



LCI SeaPort-e Team Contract Experience

We cited ten contracts in our SeaPort-e proposal. Each contract is summarized in the following narratives. With each contract description, we name the SeaPort-e functional areas and zones to which they apply.

1. Navy High Frequency Modification: Program Management & Infrastructure

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Area 3.20

The High Frequency (HF) Modernization (HF MOD) is the upgrade of HF equipment and consolidation of HF sites by the Navy and Air Force. The Navy achieved manpower and facility savings by relocating and consolidating some of their HF equipment to Air Force sites and closing Navy sites. To complete HF MOD, many tasks and functions must be accomplished. The integration of additional HF equipment is just one part of this large Navy and Air Force “joint” project. LCI supports several task areas under this contract:

- Tinker AFB On Site Technical Assistance – We provide on-site technical assistance for supporting HF MOD at the HFGCS Program Office, Tinker AFB, OK. Our personnel have experience with Command, Control, Communications, and Computer (C4) systems and are highly knowledgeable of the HFGCS weapons system’s operations and maintenance requirements for transmit, receive, and control sites, antenna systems, and ancillary equipment associated with HF MOD sites. We maintain a network performance information database to track and document network performance. We assist the Information Assurance Manager (IAM) to ensure HF MOD users operate and maintain the integrated weapons system IAW with existing policy and procedures.
- SPAWAR – On Site Technical Assistance – LCI personnel provide on-site technical assistance to support HF MOD at SPAWAR. We provide technical assistance to resolve maintenance problems with HF MOD sites; coordinate with users to address requirement issues; and management assistance to the SPAWAR HF MOD Manager. We submit recommendations to the Government regarding the weapons system and its sustainment. We monitor the development of the Navy HF CONOPS, and ensure the CONOPS reflects technical accuracy.
- LCI personnel provide station surveys and analysis of existing and projected HF MODs on Navy HF Modernization Stations. We provide systems engineering to perform an analysis and document finding for the best replacement for any antenna that has become logistically unsupportable or requires a technology insertion to achieve full mission capability. We perform antenna coverage simulations with the replacement antenna(s) to compare coverage patterns and applicability to perform the required missions. We provide grounding, bonding, shielding, and lightning protection engineering support necessary to prepare and implement the required protection of HF MOD facilities. We also provide de-installation, installation, re-installation, and lightning protection of all antennas and associated support facilities.

2. SPAWARSYSCEN-Atlantic HF Concept of Operations,

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Area 3.14

LCI was contracted by SPAWARSYSCEN-Atlantic to draft a Concept of Operations (CONOPS) to migrate Navy High Frequency (HF) mission on to the Air Force HF system called the HF Global Communications System (HFGCS). The Navy HF Modernization (HF MOD) project was to purchase HF transmitter, receiver, and control equipment off the existing Air Force Scope Command contract. HF MOD was to not only replace their aging and unsupportable HF equipment, but to also remote the control to a Navy CNCS, each Tactical Support Center (TSC)/Tactical Support Communications (TISCOMM) facility, or to specific NCTAMS. LCI performed site surveys to Kaneohe Bay, HI and Jacksonville, FL Navy HF sites, two of the nine affected Navy HF MOD sites to talk with TSC and TSCOMM communicators, and P-3 aircrew members in preparation for drafting the CONOPS. LCI developed a CONOPS that explained how the missions would be supported, and how operations would be conducted and automated via the Scope Command equipment. Also, LCI incorporated a common frequency plan to increase coverage and



simplify HF use for communications for Navy HF users. LCI additionally defined how Navy and Air Force could share HF assets to lower the overall cost to both services worldwide.

3. NAWCTSD FTSS Fielded Training Systems Support (FTSS)

Contractor – Advanced Systems Technology, Inc. (AST)
Zones 1, 2, 3, 4, 5, and 7
Functional Area 3.7

AST supports the Naval Air Station (NAS) Pensacola In-Service Engineering Office (ISEO) with MICROSIM flight trainers HW/SW maintenance, program management support for work progress monitoring and reporting, including design reviews, entry and exit criteria for design and acceptance of software Product Specifications, risk assessments, and mitigation plans. AST's work includes software design engineering for the T-series training devices and the UMFO, (IT) technology maintenance and operational support of ISEO computers and MICROSIM trainers, and life cycle support for simulation and training devices for the Chief of Naval Air Training (CNATRA). This includes development, test, and integration of HW/SW corrections and enhancements for training devices. At Whidbey Island, WA, AST provides life cycle support for EA-6B training devices including enhancements on the EA-6B training devices, monitoring and reporting the program progress, milestones, current status, and anticipated future problems; identifying problems and action taken to prevent similar problems; reporting milestone progress data; analyzing Training Equipment Change Request (TECR) modifications; and providing proposed solutions with estimated resource requirements and risk assessment.

4. PEO STRI Close Combat Tactical Trainer Post Production Software Support (CCTT PPSS)

Contractor – Advanced Systems Technology, Inc. (AST)
Zones 1, 2, 3, 4, 5, and 7
Functional Area 3.16

The CCTT effort consists of system and software engineering services. Tasks include life cycle software support, testing, quality assurance, configuration management support, replication, distribution, installation, training, and publications support. AST works as part of an Integrated Product Team (IPT). AST personnel provide technical assistance, production engineering support, system and software engineering support, hardware and software configuration management and control, and support CCTT exercises. This subcontract is a continuation of work for which AST was the prime beginning in July 1999.

AST addresses any future enhancements and upgrades to the CCTT PPSS and other programs by adding industry partners suitable for the specific enhancement or upgrade. If the Government directs an enhancement or upgrade without any specified industry partner, AST assists in identifying a qualified industry partner to plan, design, develop and integrate the specific enhancement or upgrade. AST helps researches available sources and recommend the final technical solution for Government approval based upon reliability and maintainability (R&M) considerations. AST assists with reviews, testing, and milestone achievement to ensure that products are obtained either by qualified sources or sources directed by the Government as meeting all configuration standards of R&M or in the absence of Government identified sources, ensure products provided meet Government configuration standards of R&M.

Since the beginning of the CCTT program, AST has been associated with the software development and changes to initial baseline and continues this work under this subcontract. AST assists in the development and integration of new technologies to further enhance the CCTT functionality. They emphasize the reuse of legacy software wherever possible for more cost effective solutions. Items addressed under this subcontract include visual and correlated database upgrades (Korea, Kosovo, Germany, Fort Riley, Fort Stewart, Fort Carson, Pinon Canyon, and Baghdad) as well as the continued implantation, upgrades, and maintenance of systems and software as required.



5. William J. Hughes Technical Center Laboratory Engineering Support

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Areas 3.5, 3.11, 3.21

LCI was direct awarded the Laboratory Engineering Support Services contract for the William J. Hughes Technical Center (WJHTC) in Atlantic City, NJ. This contract includes the planning and engineering for systems and facilities supporting current and future operational air traffic control systems. LCI's team of professionals provides engineering support services including facilities planning, systems engineering support, infrastructure engineering, facilities maintenance planning and reporting support, engineering and architectural surveys, design and installation, engineering drawing and facility database support, inspection support, computer systems administration, and webmaster support. They are currently working closely with the FAA to build up the infrastructure and connectivity to establish a back-up FAA Regional Control Center that can backup any control center in the United States. The WJHTC laboratories are always undergoing changes and modifications; the LVI team provides system and hardware engineering support, design, installation, and construction packages as well as project management support. LCI is responsible for providing System Engineering (SE) expertise and recommendations to the users of the laboratories, the WJHTC user community, the FAA Program Office, and other national organizations for existing and future systems slated for implementation. Our personnel provide system engineering support in the areas of Enroute and Terminal Automation, Communications, Radar, Weather, and Data Distribution and other related areas required by the Team.

6. Tinker Advisory and Assistance Support Contract (TAASC)

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Area 3.2

The TAASC Indefinite Delivery Indefinite Quantity (IDIQ) vehicle is a \$350M, small business set-aside contract that encompasses a full range of advisory and assistance support, including IT Technical Support, Engineering Support, Database Development and Management, and Administrative Support for all the USAF programs supported by the Oklahoma City Air Logistics Center (OC-ALC). To efficiently manage this large effort, LCI has an established Program Management Office (PMO) that includes certified Project Management Professionals (PMPs) and Defense Acquisitions University (DAU) Level III certified Project Managers. Contract deliverables include plans and reports for assigned projects, detailed monthly and quarterly status reports, including cost/funding reports, and trip reports.

IT Technical and Engineering Support – LCI experience includes program, IT, and engineering support for three aircraft programs, one global communications program, and two logistics support systems used to support aircraft programs across the Air Force's Air Logistics Centers (ALCs). Our work includes all facets of the Systems Development Life-Cycle and includes program and modification level requirements analysis/definition/management, development of studies and cost-benefit analysis, planning, design, management of development/implementation, management of deployment/release, training, maintenance, and documentation. We provide in-depth technical analysis and reports as part of our support on these programs, including performance, cost, schedule analysis of program-related IT and engineering support requirements. We provide maintenance and user support for database tracking systems, including user administration and permissions, automated data management and distribution, system documentation maintenance, and participation in user and program briefings and planning activities.

Software Development, Application, and Maintenance Support – In support of several task orders, LCI provides software application and system integration support, including both development of custom database applications and integration and customizing of Commercial Off-the-Shelf (COTS) enterprise-wide applications like Microsoft SharePoint. We used our CMMI Level 3 processes to develop a custom database application for one aircraft program, which allows our customers to track logistics data, determining the availability of parts for the aircraft. We developed a full suite of requirements, design, test, installation, and user documentation in support of this product. For another aircraft program, we provided subject matter expertise to design, develop, and implement a strategy to integrate the mandated use of Microsoft SharePoint 2007 into the program, providing detailed plans, customizing the tool for



program use per mandated requirements as well as requirements defined by Government management at the program level. In support of a suite of logistics systems for which we provide IT and engineering expertise, LCI provides Tier 1 help desk services to users, submitting and tracking tickets via the Remedy tool, which are then resolved by Tier 2 and 3 technicians.

Administrative Support – LCI has delivered administrative support services for thirteen different organizations and programs, including participation in high-level Program Management Reviews, as well as weekly, monthly, and quarterly briefings and meetings to support program budgeting and planning activities. Our support included scheduling resources and facilities for meetings; delivering agendas, meeting minutes, briefing presentations, and action items lists; and developing technical reports and papers, memorandums, and program documentations, including trip reports.

7. Airborne Warning and Control System Computer and Information Support Services (AWACS C&ISS)

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Areas 3.6, 3.10, and 3.12

LCI provided several separate and diverse functions to the USAF AWACS program. LCI provided all personnel, supervision, equipment, tools, materials, and supplies to support the AWACS 552d Air Control Wing (552 ACW) and 552d Communications Group (552 CG) with computer software programming and analysis, simulator communications, automated data processing equipment management, network operations, and information management services. This effort was an initial transition from Government to contractor-provided services and required extensive planning, recruiting, and preparation to meet the crucial mission requirements of AWACS. Contract deliverables included the full suite of software product documentation (requirements, planning, design, implementation, testing, release, training, user documentation), technical reports and studies, monthly status reports, including cost/funding reports, and trip reports.

IT Technical and Engineering Support – LCI provided IT Operations Support for 4,300 users within the organization, including help desk Level 1, 2, and 3 support and server and Local Area Network (LAN) administration. We processed over 1,000 requests for support each month and provided problem resolution, software applications assistance, and desktop support. LCI used the standard Air Force Network Management performance toolset, including Hewlett-Packard (HP) OpenView Node Manager, to monitor network equipment status and network operations. We also maintained all servers, desktops, notebooks (laptops), and printers. Our server administration and maintenance section typically delivered 100% server availability and averaged an aggregate 99.994% availability rate. During this contract (over six years), LCI completed 66 new development and major maintenance engineering projects using waterfall, incremental, evolutionary, and spiral lifecycle models. LCI demonstrated our proficiency with the Capability Maturity Model® (CMM®), the CMMI®, Agile Project Management, and the Rational Unified Process (RUP).

Software Development, Application, and Maintenance Support – LCI provided software analysis and programming to maintain and develop software applications, including all facets of the Systems Development Life-Cycle. LCI software applications development and maintenance included Microsoft, Linux, Unix, OS/2, and mainframe platforms; C, C++, C#, .Net, ASP, Java, Pascal, Fortran, JCL, JavaScript, VBScript, Visual Basic programming languages; Microsoft and Oracle databases; and XML, web services, and portal technologies. For over six years, we delivered every product on time and as scheduled. Our services also included database administration, Level 3 Help Desk support for the applications and systems we developed and maintained.

Administrative Support – LCI supported a variety of technical and program/project level meetings as part of our IT and software services. We developed a wide range of technical studies and reports, including market surveys for new products and technologies, point papers for integration of new technologies. We supported the full range of planning documentation required for each IT project—including quality plans, configuration management plans, risk management plans, test plans, and comprehensive project plans showing resources, facilities, timelines, and methodologies.



8. Oklahoma City Air Logistics Center (OC-ALC) IT Support (OC-ALC IT)

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Areas 3.6, 3.16, and 3.21

LCI provided Tier 1 and 2 IT Help Desk support, server administration, web development, Remedy development and administration, and IT asset inventory management to over 15,000 USAF users across 34 different organizations. Our help desk consisted of an Automated Call Distribution (ACD) system to route and address calls and a Remedy® application for call/ticket tracking. LCI's focus on the fulfillment of our customer's mission, a comprehensive transition plan, and thorough training all contributed to the Government reporting our dramatic improved service, over that of the previous contract, during the first month we provided support. Contract deliverables included plans, studies, detailed monthly status reports, and trip reports.

IT Technical and Engineering Support – LCI provided server administration support in compliance with all Air Force Instructions (AFI) and directives—ensuring the highest level of availability and responsiveness possible. We maintained the Remedy® Server at 100% availability, consistently meeting our 100% availability requirement. We upgraded and repaired computers, upgraded and loaded software, applied patches, installed and configured hardware, and troubleshot and fixed a wide range of software, operating system, hardware, printer, and peripheral problems.

Software Development, Application, and Maintenance Support – LCI developed and maintained websites for the OC-ALC, using Hyper-Text Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, ASP, Structure Query Language (SQL), and Extensible Markup Language (XML). We also provided updates and changes to websites. We were the OC-ALC focal point for all Air Force (AF) portal content migration technical/consultative services and were responsible for migrating content to the AF portal for the organizations for which we provide webmaster services.

Administrative Support – LCI maintained detailed records and documentation on IT assets, as part of our role as IT Equipment Custodians. LCI followed USAF records management standards and processes to maintain documented work products, including documentation on hardware, software, systems, training, processes, procedures, and reports.

9. FORSCOM Battle Command Staff Training (BCST) Program

Contractor – Advanced Systems Technology, Inc. (AST)

Zones 1, 2, 3, 4, 5, and 7)

Functional Areas 3.3 and 3.18

AST provides dynamic, capabilities-based training support to meet the demands of the diverse and critical Battle Command Staff Training program in support of the U.S. Army Reserve Command's (USARC) mission by providing planning, preparation, training, and realistic scenario driven distributed simulations based exercises for the 75th Battle Command Training Division (BCTD). They support the United States Army Reserves, Army National Guard, Active Army, and other government agencies as directed. Training is provided in support of Pre-Mobilization, Mobilization, Post-Mobilization, and the Army Force Generation Model (ARFORGEN) phases. AST instructors, located at the BPCs, develop and deliver instruction and technical assistance to the five Battle Command Training Brigades (BCTB) and fifteen Battle Command Training Groups on simulation and ABCS operations. Instructors also provide exercise role player orientation for designated soldiers as primary simulation/stimulation coaches for BCST exercises or training events. Prior to this effort being moved to the OPTARSS contract vehicle, AST was the prime contractor providing this support for almost 6 years.

10. High Frequency Global Communications System (HFGCS) Antenna Inspections

Contractor – Leader Communications, Incorporated (LCI)

Zones 1, 2, 3, 4, 5, and 7

Functional Area 3.9

LCI performed site surveys in support of the HFGCS at 12 worldwide locations: Andrews AFB, MD; Lincoln and Dixon, CA; Offutt AFB, NE; Elmendorf AFB, AK; RAF Croughton, England; Lajes AB; Azores; Navy COMTEL Station, Diego Garcia; Yokota AFB, Japan; Finegayan Communications Site, Guam; Isabella and Salinas Communications Sites, Puerto Rico; and Sigonella NAS Communication Site I and



LCI SeaPort-e Team Contract Experience

Niscemi Communications Site II, Sicily. We inspected the tower foundation, tower structure, guy anchors and guy wires, guy tensions, vertical plumb of the tower, antennas and transmission lines, electrical system, lightning protection system, grounding, bonding and shielding, paint, and obstruction marking of antennas. We also made emergency repairs to failed items when they were a threat to safety. After the testing and site surveys were completed, LCI provided an in-depth report detailing these discrepancies.