



WareOnEarth
COMMUNICATIONS, Inc.

WareOnEarth Communications, Inc. (WCI) Support to the U.S. Army

WCI supports four Major Shared Resource Centers (MSRCs) that currently operate large High Performance Computing (HPC) systems available to the entire DoD HPC community. Each MSRC has been designated to provide a complete HPC environment, data storage, including a full range of resources including hardware, software, data storage, archiving, visualization, training, and expertise in specific computational technology areas.

Distributed Centers (DCs) have been established to provide HPC capability to a specified local and remote portion of the HPC community. These are typically modest-sized systems where there is a significant advantage to having a local HPC system where there is a potential for advancing DoD applications using investments in HPC capabilities and resources.

US Army Aviation & Missile Research, Development, & Engineering Center (AMRDEC)

AMRDEC manages and conducts research, exploratory and advanced development, and provides one-stop life cycle engineering, technical, and scientific support for aviation and missile weapon systems and their support systems, UAV platforms, robotic ground vehicles, and all other assigned systems, programs and projects.

WCI provides in-depth certification and authentication (C&A) support for architecture and Engineering packages in the areas of Non-Classified Internet Protocol Router Network (NIPRNet), and Defense Research and Engineering Network (DREN) top level architectures in accordance with NETCOM DREN TECHCON guidance, as well as Secret Internet Protocol Router Network (SIPRNet) procedures and processes. In addition WCI is supporting AMRDEC with their accreditation process, DITSCAP, AR 25-2, Army AVTR and AITR requirements.

Additionally, WCI has provided in-depth DREN and Secret Defense Research and Engineering Network (SDREN) engineering support to the following:

- Army Research Laboratory (ARL)
- Engineering Research & Development Center (ERDC)
- Army High Performance Computing Research Center (AHPARC)
- Space & Missile Defense Command (SMDC)
- Aberdeen Test Center (ATC)
- Redstone Technical Test Center (RTTC)
- White Sands Missile Range (WSMR)

US Army Test & Evaluation Command

The United States Army Test and Evaluation Command (ATEC), headquartered in Alexandria, Virginia was formed in 1999. ATEC plans, conducts and integrates developmental testing, independent operational testing, independent evaluations, assessments, and experiments in order to provide essential information to decision makers.

ATEC is located throughout the continental United States, Alaska, and Hawaii. ATEC rigorously tests items of every description ranging from individual weapons to Network Missile Defense ground-based systems. On any given day, approximately 1,100 tests are ongoing in the U.S. and worldwide. Significant numbers of programmatic and technical challenges are encountered when developing and conducting distributed simulations coupled with live test capabilities. These challenges range from the obvious issues to the not so obvious communications infrastructure, latency, time synchronization, test control and personnel issues. The ATEC Test Integration Network (ATIN) provides a common architecture across ATEC for distributed testing. The objective of ATIN is to provide connectivity to all testing assets and to deliver the data to evaluators and ultimately to the decision makers. ATIN uses the DREN as a backbone for inter-range and intra-range communications.



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WCI has provided in-depth engineering support to ATEC in the following areas:

- Assess the network posture of the facility.
- Interview management and system administrators.
- Review documentation.
- Validate system inventories, network connections and network diagrams.
- Validate and evaluate installed hardware and software at the site.
- Detail the configuration settings for each system, network device and software application.
- Highlight opportunities for network performance improvement.
- Assess the security posture of the facility. This includes network security, application security, physical security, procedural security and personnel security.
- Conduct vulnerability scans.
- Identify the security deficiencies and propose steps for mitigation.
- Prepare an Advance Implementation Plan for each site that identifies all applicable security requirements; documents required configuration settings for compliance; details hardware and software baseline configuration.
- Perform a Cost of Ownership study that identifies personnel and infrastructure requirements necessary to maintain the level of performance.
- Assess job roles and responsibilities and recommend additional manpower or 'skill sets' required.
- Develop a technology roadmap for scalable and affordable upgrades to maintain minimum Quality of Service levels and minimize obsolescence.

The WCI Support Team

The WCI Team specializes in high performance Internet engineering, network measurement and analysis, information systems security, and software research and development. The WCI Support Team

consists of a staff of highly skilled and educated Computer Scientists, Information Security Analysts, Programmers, and Network and System Administrators that respond quickly to deliver stable and innovative solutions to a complex array of challenges in support of the HPCMP DREN and the SDREN.

Our staff provides detailed support in:

- Network Design
- Network Installations
- Firewall Specialists
- Help Desk Support
- Program/Project Management Support

About WCI

WCI's Headquarters in Charleston, SC supports corporate functions including administrative and technical work, research and development, as well as advanced computing and development.

WCI's 17,000 sq ft Charleston facility predominantly supports the Space and Naval Warfare Systems Center (SPAWARSYSCEN) and the DREN. Additionally, WCI has offices in Honolulu, HI, San Diego, CA; Colorado Springs, CO; Orlando and Tampa Bay, FL, Aberdeen, MD, and McLean, VA. Our Information Operation teams provide professional technical support globally in support of DoD requirements.

WCI can provide the necessary skills to tasks inside or outside of the Charleston, SC area. Additionally, WCI has the management ability and administrative stamina to support technical personnel worldwide as they provide technical solutions to client challenges.

Contact Us

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