SECURE TELECOMMUNICATIONS *CENTER OF EXCELLENCE*

Hanover, Maryland
USA

Contact:

Bob Murray
rvmurray@csc.com

CSC's Secure Telecommunications Center of Excellence designs, develops, integrates, tests and evaluates both secure and non-secure state-of-the-art telecommunications networks, applications and devices. The more than 200 TS/SCI-cleared engineers and telecommunications specialists at the Center have extensive experience in the design, development, integration and evaluation of technology for the U.S. intelligence and defense communities.

CAPABILITIES

- Comprehensive engineering of communications systems, including local area networks (LANs) and wide area networks (WANs)
- Communications control center automation, with emphasis on the integration and enhancement of commercial off-the-shelf (COTS) network management and configuration management systems in standards-based multimedia environments
- Communications software engineering, including development of customized and standards-based communications modules and sub-systems, and their integration, to support enterprise-wide communications upgrades, corporate reengineering efforts and major system conversions to the distributed client-server model
- COTS hardware and software integration and evaluations
- Independent verification and validation of communications hardware and software • Systems engineering, systems integration management, security engineering and technical support
- System deployment, training, long-term logistics support and depot maintenance (e.g., bar code scanners)
- Integration of new technologies into existing infrastructure

CSC's Centers of Excellence help clients explore state-of-the-art solutions with minimum up-front investment, leveraging CSC's top talent to maximize innovation and results. Each Center has a designated facility and staff who demonstrate and deliver solutions and evaluate products, methodologies and concepts.

BENEFITS

- End user and customer satisfaction and confidence
- Completeness of network design prior to installation
- Use of standardized and verified equipment configurations
- Availability of baseline performance metrics
- Vendor responsiveness
- Focus on testing tailored-to-customer requirements
- Efficiency and effectiveness in utilization of test resources

RESOURCES

The Center's engineers have expertise in a wide range of areas including: ATM, SONET, DWDM, ISDN, 10/100/1000 Mb Ethernet and encryption. Center engineers possess a thorough understanding of TCP, UDP, SMTP, SNMP and related IP protocols. Center engineers also have expertise in continuity of operations, mission assurance and distributive architectures to enhance survivability in support of U.S. Homeland Security initiatives.

The Center maintains lab facilities for testing and evaluating voice and data telecommunications equipment, vendor hardware and software, and solutions. The Interface and Integration Test Lab evaluates and demonstrates both LAN and WAN technologies. Combined with the Innovation Lab, solutions are crafted that demonstrate greater utility in increasingly complex configurations. The labs are flexible, adaptable and configurable to demonstrate a variety of solutions to government and commercial requirements.

A separate, unclassified portion of the lab is set up to examine new vendor products and integrate them into existing infrastructures. The lab is also ideal for demonstrating and evaluating new infrastructures and testing them prior to fielding. Vendors frequently offer to provide their newest products for integration into the lab, enabling customers to see early on how those products can support new and evolving architectures.