

Network Transport Technologies

Our team of seasoned, professional engineers and Subject Matter Experts (SMEs) can design and deploy network transport solutions that are scalable and support next-generation optical networks and advanced packet-cell technologies. With decades of experience in network design, our engineering staff has the vision, expertise, training, and hands-on experience necessary to help agencies understand and keep pace with rapidly changing network architecture requirements.



OUR NETWORK TRANSPORT TECHNOLOGIES SERVICES:

- Network Design and Implementation
- Global Information Grid Computing Services
- Independent Verification and Validation (IV&V)
- System Engineering
- Network Operations (NetOps)
- Virtualization Systems

Networking design and implementation is at the heart of what we do. Technica engineers support major transport and management networks within the Department of Defense (DoD) including the Global Information Grid (GIG) and the Defense Information Systems Network (DISN). In addition, we have developed and supported networks for the Department of Homeland Security (DHS), the FBI and the White House Communications Agency (WHCA).

Technica[®]

We upgrade and optimize networks to enhance customer efficiency and effectiveness. Technica installed Multi-Service Provisioning Platform (MSPP) optical equipment at the Defense Information Systems Agency (DISA) to collapse piecemeal network architectures onto powerful, easier-to-manage devices that provide a variety of services on a single platform, helping to stretch telecommunications resources. We provided engineering and installation support to over 100 DISN sites across the country for upgrade and modification to MSPPs for DISA.

We perform testing and Independent Verification and Validation (IV&V) for network equipment from a variety of vendors. Our technical evaluation work is critical to providing high performance, value, and support for emerging

standards such as IPv6 as well as future innovation. To support network enhancement projects, we perform site surveys and detailed evaluation of current network configurations that provide customers with greater visibility into their current environments and provide business case rationale for telecommunications upgrades that can enhance productivity and reduce cost.

Our networking professionals also provide basic support resources to keep existing networks running. Technica provides Tier III support for the DISN and throughout the GIG. Our engineers possess the vendor-specific qualifications and certifications necessary to effectively troubleshoot and support a broad range of legacy to next-generation network platforms from Cisco, Ciena, Juniper, Sycamore, and others.

What Sets Technica Apart

Our senior scientists and engineers bring decades of experience to the development, deployment, and management of telecommunications transport solutions including:

- **Network design and development** experience on the DISA GIG, the foundation framework for DoD communications worldwide
- **Long-term engineering expertise** coupled with the application of advanced technology
- **Security professionals** capable of deploying IT security equipment and configuring and managing native telecommunications security
- **Post-deployment network lifecycle support** services including full Operation and Maintenance (O&M) support, engineering of major changes and upgrades, and training for government and civilian personnel
- **Developing and deploying network solutions** that enhance communications and efficiency while lowering operational cost

Technica provides the network transport support that builds and sustains mission-critical transmission solutions for the U.S. Government around the globe. Our customers count on us to provide the infrastructure to transport and effectively and securely share information among authorized users.



Technica®

Technica Dulles, VA (HQ)
22970 Indian Creek Drive, Suite 500
Dulles, VA 20166

703.662.2000

technicacorp.com

About Us

Technica provides professional services, products, and innovative technology solutions to the Federal Government. We specialize in network operations and infrastructure; cyber defense and security; government application integration; systems engineering and training; and product research, deployment planning, and support.

Company Information

- IT Solutions Since 1991
- CMMI Level 2, DEV and SVC v1.3
- Certified PMP Resources
- Certified ITIL v3 Expertise