

COMMUNICATIONS AND NETWORK SERVICES

Delivering a Fast, Secure, Scalable, and Predictable Service



CSC
NORTH AMERICAN
PUBLIC SECTOR



Communications and Network Services Benefits:

- Improved efficiency
- Improved quality of service
- Improved operational effectiveness
- Seamless connectivity
- High availability
- Reduced costs
- FISMA compliant
- Improved management, control, cost and productivity

Why CSC:

- Trusted industry partner
- Serving U.S. Government for nearly 50 years
- Only Tier 1 infrastructure solutions provider with carrier legacy (>100 years)
- Over 90,000 employees
- Global reach
- Certified: ISO, CMMI, ITIL and Six Sigma
- Industry recognized leader in Green IT

Today, the network requirements of government agencies may range from large, optical-based connections to wireless, IP-based virtual private networks (VPNs). A combination of the Internet, inexpensive computing, Web-based software, open-source products such as Linux and "infrastructure as a service" are converging to dramatically change the way we do business. Robust underlying networks are at the core of making the new business model a reality. In the future, applications will become seemingly omnipresent and agile, placing more power into end-users with Web 2.0 and service oriented architecture. Meanwhile, security concerns will grow with the proliferation of pervasive technologies and a "constantly on, always wired" workforce. This constantly wired workforce can be anywhere around the globe. As a result, interoperability and cybersecurity are critical in any business solution that promotes agility, openness and collaboration. CSC has the answers to your communications and network worries.

CSC has worldwide experience providing network communications design, planning and implementation support to government and commercial customers. Our experience spans the best services possible providing network, data, and voice services around the globe and with core service elements that underpin all service offering components within an integrated service model.

CSC Holistic Approach

CSC's holistic approach to communication and network services – a proven methodology based on proven practices – can help you control and reduce the cost of the network component of IT.

Our IT architecture, design and engineering services are driven by world-wide engineering collaboration dedicated to tracking and advancing communications technology and security. We leverage design, optimization and network management tools in supporting the global network operations. We deploy new tailored network solutions and maximize the potential of existing networks.

This holistic approach also includes a built-in adherence to security processes. For our government customers that includes adherence to security processes, the Federal Information Security Management Act (FISMA) and all relevant plans, policies and guidelines. This approach reduces risk and enhances security for those customers.

Communications and Network Services

Network Services	Global Remote Access Services, Internet Access, B2B Connectivity, Remote Services, Security/Firewall
Voice	Managed VoIP, Managed Voice, Infrastructures, Conferencing and Messaging Services
Video	Video Conferencing (desktop to desktop, conference room)
Data	DNS/IP Management, Directory Services
LAN	Managed LAN Infrastructures, Wireless Networks, Premise Local Area Network Cabling
MAN	Managed MAN Services, Carrier LAN Extension Services, SAN Connectivity, Mainframe Connectivity
WAN	Managed WAN Services, IP VPNs, FR/ATM/Leased Lines, Network Application Management Services, Carrier Management

Communications and Network Services

Providing seamless connectivity and high availability, CSC provides communication networks that serve as the core of our distributed and parallel model of simultaneous services. We build or retrofit LANs, MANs and WANs for full redundancy, optimization, and load balancing, and with our core network services and our multiple communications partners. Key services include:

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- Managed Networks Enterprise Network Management Enterprise Operations Center (EOC) Services
- Data Security
- Converged data, voice and video communications

Telecommunications and Wireless Technologies

Interoperability is key. In addition to providing interoperable solutions, we know how to improve overall operational effectiveness, gain efficiencies, and prepare for emergencies through our telecommunications and wireless services. We do this via a core set of supporting services, which include:

- Landline support services
- Telephone and PBX operations
- Cellular, wireless and mobile radio support
- Emergency communications deployment options
- Video conferencing provisions, including desktop-to-desktop and conference room configurations over network and Integrated Services Digital Network (ISDN) carriers options
- Voice appliances, handsets and software added to digital networks to allow voice communications

Enterprise Network Management

Enable policy-based network management scenarios that enhance management and improve reliability. Our tools and processes map traffic flow, report congestion points, project usage trends and provide truly proactive results by establishing threshold alerts.

Enterprise Operation Centers (EOCs)

Minimize downtime, ensure continuity of operations and lower costs by leveraging our network and systems management services. CSC can handle complex environments on a 24x7 basis, or provide "lights out" management services. Our technology tools, standards, customized processes, and specifically trained staff enable government organizations to efficiently manage their IT enterprise. We can monitor service levels and profiles while controlling communications costs. CSC's EOCs provide 24/7 operational support for environments of all sizes – from complex, enterprise-wide networks to simpler standalone networks.

Network Services

Now more than ever cybersecurity is critical to the protection of data and systems in networks that are connected to the internet. Optimize performance and response, and maintain security in both wired and wireless environments by leveraging our expert resources in networking technologies, including:

- Redundant wired, fiber, and wireless LANs, MANs and WANs
- IPv6 deployment, data encoding, digital telephony and quality-of-service performance
- Secure infrastructure operations incorporated with routers, firewalls, intrusion detection and other devices
- Land mobile radio operations and emergency digital/portable communications lease, purchase and operate devices to transport data electronically allowing secure remote access to services
- Traditional voice services including PBX operations and cell phone administration

IP Convergence and Migration

CSC helps customers migrate and transition legacy data and voice networks to a converged IP-centric framework which realizes significant improvements in management, control, cost and productivity.

Mission Specialty Communication Networks

We can help you respond to disasters by planning for and leveraging our expertise in providing a variety of emergency technology communications systems. These systems can include satellite earth stations to emergency broadcast systems, deployable cell towers and secure wireless communications.