Related TCS Public Safety Offerings

Enhanced Text to 9-1-1
TCS' EMedia™ solution gives a 9-1-1 authority the ability to enhance the SMS to 9-1-1 service being offered by Tier 1 carriers today. The carrier-provided service lacks capabilities that are commonplace to a public safety entity, such as language translations, advanced reporting, logging, and CAD integration. TCS' EMedia service aggregates all SMS to 9-1-1 traffic from multiple wireless carriers and Text Control Centers (TCC) vendors into a single interface to the PSAP. The EMedia architecture offers a common interface to the PSAP regardless of the number of wireless carriers or TCC vendors.

ESInet
Intrepid9-1-1™ from TCS brings the core components for delivery and location of landline, wireless and IP-based calls in a Next Generation 9-1-1 system. We provide public safety agencies with an i3 aligned network that enables fluid distribution of data and routing of all call types (landline, IP, wireless IP, IM and VoIP) to the appropriate agency.

Call Handling
The X-Solution™ ensures your agency meets today's needs. Two powerful technologies–IP and GIS–combine to transform the PSAP into a feature-rich, map-centric™ operation. Combine this with ALI and GIS databases validating against each other, sharing information over an i3 aligned ESInet, and your agency is now ready to handle all 9-1-1 calls from today's technology-based sources–IM, wireless and video.

www.911fromTCS.com

Your Established Partner

TeleCommunication Systems, Inc. (TCS) (NASDAQ: TSYS) is a world leader in highly reliable and secure mobile communication technology. TCS infrastructure forms the foundation for market-leading solutions in text messaging, commercial location, and deployable wireless communications. TCS is at the forefront of new mobile cloud computing services, providing wireless applications for navigation, hyper-local search, asset tracking, social applications, and telematics. Millions of consumers around the world use TCS wireless apps as a fundamental part of their daily lives. Government agencies utilize TCS' cybersecurity expertise, professional services, and highly secure deployable satellite solutions for mission-critical communications. Headquartered in Annapolis, Maryland, TCS maintains technical, service, and sales offices around the world. To learn more about emerging and innovative wireless technologies, visit www.telecomsys.com.

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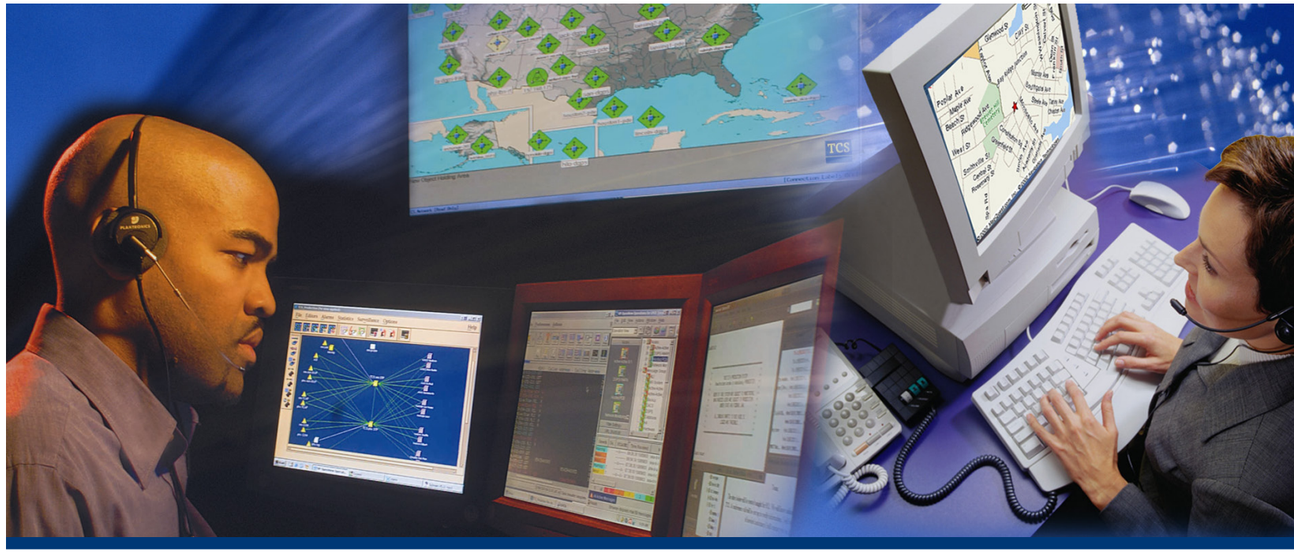
TCS TeleCommunication Systems
Enabling Convergent Technologies®

Cyber9-1-1™



Military Grade, Comprehensive Cybersecurity Solutions to Protect Critical Public Safety Infrastructure

TCS TeleCommunication Systems
Enabling Convergent Technologies®

Cyber9-1-1™

Comprehensive cyber solutions to address the needs of public safety organizations.

"Any effective NG9-1-1 effort must include a cyber security component for it to be valuable in the long run."

"NG9-1-1 call center networking, while providing significant and notable benefits in our ability to respond to emergencies, can leave all the agencies within the network much more exposed to viruses, denial-of-service attacks, hardware and software failures, intrusions by malicious hackers, data loss and system downtime than previously."

- L.R. Kimball

For more than 25 years,

TCS has been meeting the most demanding requirements of our government, military, and telecommunications customers, including the provision of in-depth and cutting-edge cybersecurity services and solutions.

Since deploying the first U.S. wireless E9-1-1 solution in 1998, TCS has been leading the public safety solutions for wireless E9-1-1, NG9-1-1, and E1-1-2. We are also pioneering and improving the methods by which U.S. public safety answering points (PSAPs) can receive a wireless or VoIP subscriber's location during calls for emergency assistance.

TCS' Cybersecurity framework consists of capabilities to assess, protect, validate, monitor, and train the systems and teams supporting public safety infrastructure, providing for a comprehensive and end- to-end solution from a single vendor.

As public safety organizations move to Next Generation 9-1-1 systems, we help safeguard those systems against attack, and help the organizations meet the best practices of the NENA's NG-SEC security guidelines.

TCS offers a plan for detection, prevention, mitigation, and response to cyber events, in order to guard systems operations from interruption and intrusion.

TCS is at the forefront of developing and deploying leading mobile technologies, and on the frontlines of protecting against Advanced Persistent Threats (APTs). We operate in mission-critical environments, where success is measured in lives saved, and operational excellence is achieved by reducing downtime to minutes per year. The TCS Team leverages these capabilities to provide comprehensive cyber protection for public safety's most critical assets.

Our Services Include:

Vulnerability Assessments

Proactively knowing where the vulnerabilities lie in the network is a fundamental requirement of any organization in today's threat environment. We identify and quantify security weaknesses in your environment through an in-depth evaluation of your posture, providing the appropriate mitigation procedures required to either eliminate those weaknesses or reduce them to an acceptable level of risk.

Penetration Testing

A penetration test will advise if a system is vulnerable to attack, if the defenses were sufficient, and which defenses (if any) were defeated in the test. Let our expert ethical hackers find holes in your infrastructure before your adversary does.

Red Team Assessments

A Red Team Assessment challenges an organization to improve its effectiveness in emulating a threat and showing the impact of a cyber breach. We create actual attack scenarios as we discretely attempt to bypass security measures that are in place, revealing how an external or internal enemy can exploit weaknesses in employee behavior, policies, and technical defenses.

The Assessment includes:

- Analysis of physical and information security policies and policy implementation
- Self-analysis by the organization's network administrators
- Adversarial analysis and vulnerability assessment

Network Monitoring

By properly monitoring the systems and applications used for security, an organization can identify potential problems or attacks. The earlier it can be detected, the more likely the attack can be thwarted. At the very least, detecting quickly can limit the impact of the attack. Our subscription-based network monitoring service leverages TCS' ISO and TL certified Network Operations Center (NOC) designed to deliver continued protection to the enterprise. This allows our team to detect quickly, respond appropriately, and restore critical services in the event of a threat or attack.

Digital and Mobile Forensics

Our team of digital and mobile forensic analysts can help to address Advanced Persistent Threats (APT), including Root Kits, BotNets and other sophisticated malware that may have compromised your system, provide remediation advice to improve security, and provide expert testimony if required.

Elite Security Training

Information Security Personnel are on the front lines of protecting Public Safety's most critical assets. TCS offers elite security training, once reserved for our government customers to the enterprise, ensuring that your information security personnel have the skills to adequately defend those assets.

Skills Measurement

PerformanScore™ is our learning and development tool used to measure and validate cyber skills and abilities against job role competencies. Critical skills are tested in a simulated real-time environment and provide immediate feedback to the manager, ensuring that the individual's skills can adequately defend Public Safety's most critical assets.

"Malicious attacks account for nearly 47% of US breaches."
- Verizon 2013 DBIR

Cybersecurity impacts legacy 9-1-1 networks in addition to NG9-1-1 networks.

TCS