Security Test and Evaluation

Our team of Information Assurance (IA) engineering professionals perform requirements gathering, performance analysis and baselining and full spectrum testing (functional, integration, interoperability, acceptance and compliance) in support of diverse IA requirements within large, complex federal networking environments. We utilize expert analytics and proven and established testing tools and methodologies to provide robust and compliant security test and evaluation (ST&E) solutions.

OUR SECURITY TEST AND EVALUATION SERVICES:

- Requirements Gathering
- Functionality Testing
- Performance Analysis
- Integration Testing
- Compliance Testing
- Information Assurance
- Certification and Accreditation

Certified and experienced Technica security professionals provide ST&E services that are essential to the certification and accreditation (C&A) process for enterprise-class systems to maintain cross-domain security. Our engineers develop ST&E plans and execute security testing to ensure that the systems and components in use by our customers provide and maintain security in six basic categories: confidentiality, integrity, authentication, availability, authorization and non-repudiation.

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Our engineers use established federal guidelines such as NIST Special Publication 800-26, Security Self-Assessment Guide for IT Systems, NIST 800-42, Guideline on Network Security Testing, NIST 800-53, Recommended Security Controls for Federal Information Systems, and NIST 800-115, Technical Guide for Security Testing and Assessment. We augment NIST guidance based on extensive understanding of our customers and their needs to develop formal ST&E test plans that are driven by agency policy, implemented or planned technology, and mission sensitivity to evaluate exposure and risk unique to our customers. By performing system ST&E, we help or customers meet both FISMA and DoD DIACAP compliance requirements.

Based on the systems and components in use and the unique requirements of our customers, Technica security subject matter experts (SMEs) engage target systems in inspection of operating characteristics and demonstration of operational capabilities. Inspection and demonstration is used by our engineers to verify that systems meet design specifications and security requirements, do not operate in ways that compromise their security or the security of adjacent systems, cannot be accessed or altered by unauthorized users, and will continue to operate effectively after disasters.

Technica engineers hold numerous IT security certifications including CISSP, SANS GIAC and Certified Ethical Hacker (CEH) and have experience in a wide variety of vulnerability detection and penetration testing tools including DoD Gold Disk, Nessus, Snort, nmap, and Tripwire. We combine extensive tool experience and industry credentials with decades of practical experience to support mission-critical systems requiring bulletproof security and compliance.

What Sets Technica Apart

Our engineers and scientists have decades of experience covering virtually every aspect of systems engineering, and our knowledge provides:

- **Experience** with the Federal Government's most secure networks and systems (GIG, DISN, NIPR/SIPRNet)
- **Security SMEs** working at the trusted advisor level for our customers
- **Engineers** with extensive experience using ST&E tools and ethical hacking methods to discover vulnerabilities
- **In-depth knowledge** and application of relevant standards and regulations (DoD 8500 and DISA STIGs)
- **Training and certification** that supports and reinforces our practical knowledge (CISSP, GIAC, CEH and other industry credentials)

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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