



Brian Fogg, NCI's Vice President and Chief Architect

Case Study: USTRANSCOM's Information Assurance Fusion Center "Providing vital C4S situational awareness to USTRANSCOM's key decision-makers"

For nearly two decades, NCI has been supporting the U.S. Transportation Command's (USTRANSCOM's) mission to provide the air, land, and sea transportation for the DoD in times of peace and war. USTRANSCOM is an information-intensive organization, and NCI delivers the operational status of the entire command, control, communications, and computer systems (C4S). NCI staff members were instrumental in establishing USTRANSCOM's Global C4 Coordination Center (GCCC)—an information fusion center that collects, analyzes, and presents a comprehensive, near real-time view of USTRANSCOM's C4S availability and performance. The GCCC provides this vital C4S situational awareness to USTRANSCOM's key decision makers in a Web-based capability, called the IA common operational picture (COP).

Today, USTRANSCOM represents one of our largest customers with Scott Air Force Base being the largest single presence of NCI employees. For more than 10 years, our IA technical experts have been delivering leading-edge service assurance, network management, and information protection services. As pioneers in the service assurance delivery model, we deliver innovative capabilities, including real-time status, proactive event management, and customer performance monitoring. Our network management experts provide performance management, fault management, and configuration management services. Our industry-leading IA efforts include intrusion detection, access control, data encryption, boundary protection, service authentication, and integrated threat identification and analysis. NCI's IA efforts for USTRANSCOM led to the Command being the three-time winner of the Rowlett Trophy—the National Security Agency's highest award in information systems security.

Information Assurance

We offer information assurance (IA) solutions to secure enterprise systems and networks with particular expertise in protecting IT infrastructures for our customers who operate in classified environments. We design, configure, and deploy security architectures based on assessments of our customers' current and future IT needs, mission objectives, and regulatory requirements, in addition to specific threats from unauthorized users. In connection with implementing tailored architectures, we help define and implement IA policies, procedures, and guidelines to ensure effective future IT planning. Our highly skilled and accredited employees research and implement security policies, provide technical support, and develop comprehensive security assessment plans. We also identify potential threats and vulnerabilities

and design and implement corrective action plans that employ advanced technologies, such as encryption, digital signatures, and firewalls, using both commercial-off-the-shelf (COTS) and custom security and software solutions. Our information assurance services include the following:

*Intrusion Detection System/Intrusion Prevention Development
Certification and Accreditation
Policy and Procedures Development
Products Evaluation and Integration
Public Key Infrastructure (PKI) Implementation
Risk and Threat Assessment
Security Awareness and Training
Security Test and Evaluation*