GEMSS

Cisco Partner | World Wide Technology

Global Enterprise Modernization Software and Services

Army Enterprise Network Modernization, Cyber Vigilance, and Category Management

Network Modernization is one of the Six Pillars of the Army's overarching Modernization Strategy. As the critical enabler for Joint All-Domain Command and Control (JADC2) and modern cloud technologies, the Network is classified as an essential enabling element of the Army's future force along with, long-range precision fires; next-generation combat vehicles; future vertical lift platforms; air and missile defense; and soldier lethality.

Data is the lifeblood of modern Army operations and a critical force multiplier for the joint force. A secure, interoperable, resilient transport layer network provides the means for the joint force to share data and communicate across disparate platforms, organizations, and technologies. The modernized Army network is also required to unlock the exponential potential of cloud computing and related automated technologies to enable U.S. digital overmatch against potential adversaries.

Legacy network innovation relied on hardware that had to be manually and locally installed, programmed, controlled and maintained in the face of continuously and rapidly evolving cyber threats. In contrast, modern network innovation is delivered via real time centralized software enablement. This innovation brings the capacity to control the network security by leveraging continuous automatic updates, dynamic network configuration, automated continuous monitoring, and uncompromising security.

GEMSS

The Global Enterprise Modernization Software and Services agreement—is the Army's enterprise-wide solution for network modernization and secure continuity of transport layer network operations. GEMSS provides ongoing support for both legacy routing and switching hardware and as well as a bridge forward to enable Army-wide unified network operations in a modern, software-defined network architecture.

Industry Lead Support and Services

Through GEMSS, Cisco and its integration partner, World Wide Technology, provide industry-leading software, services, and security to meet the Army's specific modernization strategy requirements.

Business Critical Services

Available services include tailored, business critical services such as advanced incident response and enterprise analysis engagements to mitigate the impact of aging infrastructure.

Modernize Army Networks

GEMSS is centrally funded by the Army's Office of the Chief Information Officer (OCIO) and provides a next-generation replacement for the Cisco Joint Enterprise Level Agreement (JELA), at a lower cost with increased innovation value. While JELA focused exclusively on hardware support and services, GEMSS encompasses both hardware and enterprise networking software support and services.

GEMSS supports the Army's rapid network innovation initiatives, which seeks to modernize Army networks through:

A centrally deployed, software-defined network (SDN) architecture

Secure, interoperable, and policy-based networking software

Longer lifecycles for switch, router, and wireless hardware

Lifelong learning enablement

GEMSS supports Army requirements for category management, asset management, and Program Planning Budgeting and Execution (PPBE) Reform. GEMSS Digital Network Architecture (DNA) software contract is fully aligned with:

- Army ICAN-DI/NETMOD 2.0
- Army Unified Network Operations (UNO)
- Army Hybrid Cloud Initiative
- Army CSfC NSA-Approved Architecture
- DoD Joint All-Domain Command and Control (JADC2)

- DoD Digital Modernization Strategy
- Army Regulation (AR-25-1)- Army Information Technology
- Memorandum, OMB 20 March 2019, Category Management
- AR 25-2, Army Cybersecurity, 04 Apr 2019