



# *Modernizing Army Enterprise Networks, Cyber and Services*

## Panel

- Mr. Patrick McKinney, Acting APEO, Networks Cyber & Services
- Mr. Sergio Alvarez, Acting PD ES
- COL Jay Shell, PM IEN
- COL Mark Taylor, PM DCO

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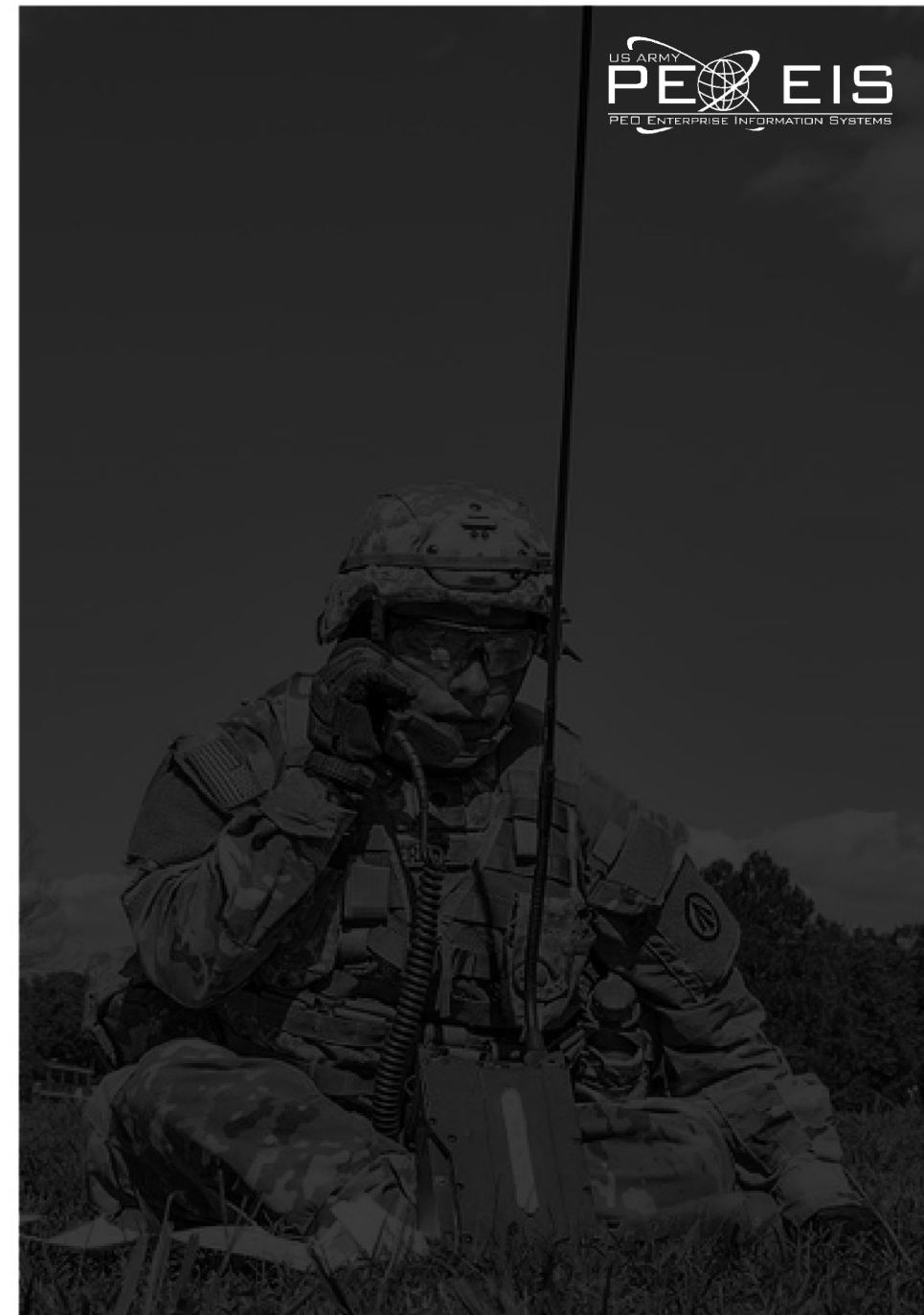
**Connecting the Army.  
Working for Soldiers.**





# Strategic Direction: How We Fit

- Digital Transformation
- New Guidance
  - Army Cloud Plan
  - Army Data Plan
- Supporting the Army Unified Network Plan





# Enterprise Services Portfolio



## WHO WE ARE

The recognized leader in shaping enterprise services acquisitions and driving innovation across the Army.

### Acquisition Logistics Technology Enterprise Systems and Services



- Capability Delivery and Application Modernization
- Army's Managed Service Provider
- Army Enterprise Private Cloud

### Army Enterprise Staff Management System



- Records Management
- Enterprise Task Management Software Solution (ETMS2)

### Computer Hardware Enterprise Software and Solutions



- Hardware
  - ADMC 2/3
  - ITES 3H
  - AIT RFID
  - Mobility Services
- Software
  - Agreements
  - ITES SW2
  - ESI
- Services
  - ITES 3S
- Consolidated Buys

### Enterprise Computing



- Manage Service Provider (MSP) 2.0
- Enterprise Computing Environment (ECE) – Future Requirement OPR Analysis Lead

### Enterprise Content Collaboration and Messaging



- Identity Credential & Access Management (ICAM)
- Army Network & Communication Services (ANCS)
- DoD Enterprise SIPR Email
- Military Technical Solutions (MilTech)
- Sunsetting: Enterprise Content Management & Collaboration Service (ECMCS)

### Human Resource Solutions



- Personnel Lifecycle Support & Recruiting- Management and Administration Support (RMAS)
  - Soldiers & Family
  - Acquisition Professional Program Support
  - Professional Curriculum & Development & Instruction
  - Record Keeping
  - Special Programs
  - Project Management Support

## SUPPORT TO THE SOLDIER

- By leading the transformation of the Army's legacy IT services to a shared enterprise services model, enabling a seamless, integrated front-end for the Soldier on any trusted device, anywhere and anytime,
- By increasing efficiencies and aligning resources to deliver enterprise-level IT capabilities that enable end-to-end collaboration, messaging and content management across the Army workforce.





# Enterprise Services

Mr. Sergio Alvarez



## Priorities

- Enterprise Identity Management
- Identity Governance and Administration (IGA)
  - Privileged Access Management (PAM)
- Army's collaboration environments (i.e. A365)
- Army's Manage Service Provider
- Army Enterprise Hybrid Cloud
- Application Modernization
- Unified Network Enterprise Computing Solutions
  - Emerging Tech/Legacy Divestment



## Upcoming Business Opportunities

- CHES:
  - ServiceNow released 14 OCT 22
- ALTESS Network Switches (ITES 3H) expected to be released JAN23
- Mobile Connect Multi-Factor Authentication (MFA) expect a solicitation APR23
- Army 365/Army Futures Command – TBD
- Identity as a Service (IaaS) TBD
- Military Technical (MilTech) Solutions follow-on Contract in SEP24



## Industry Best Practices

- We have two customers:
  - The Soldier
  - The Taxpayer
- Always Do What's Right
- Have the Right People at the Table
- Identify and Engage Key Participants
- Communicate with Precision
- Remain Flexible and Fluid
- Identify Challenges - Propose Solutions

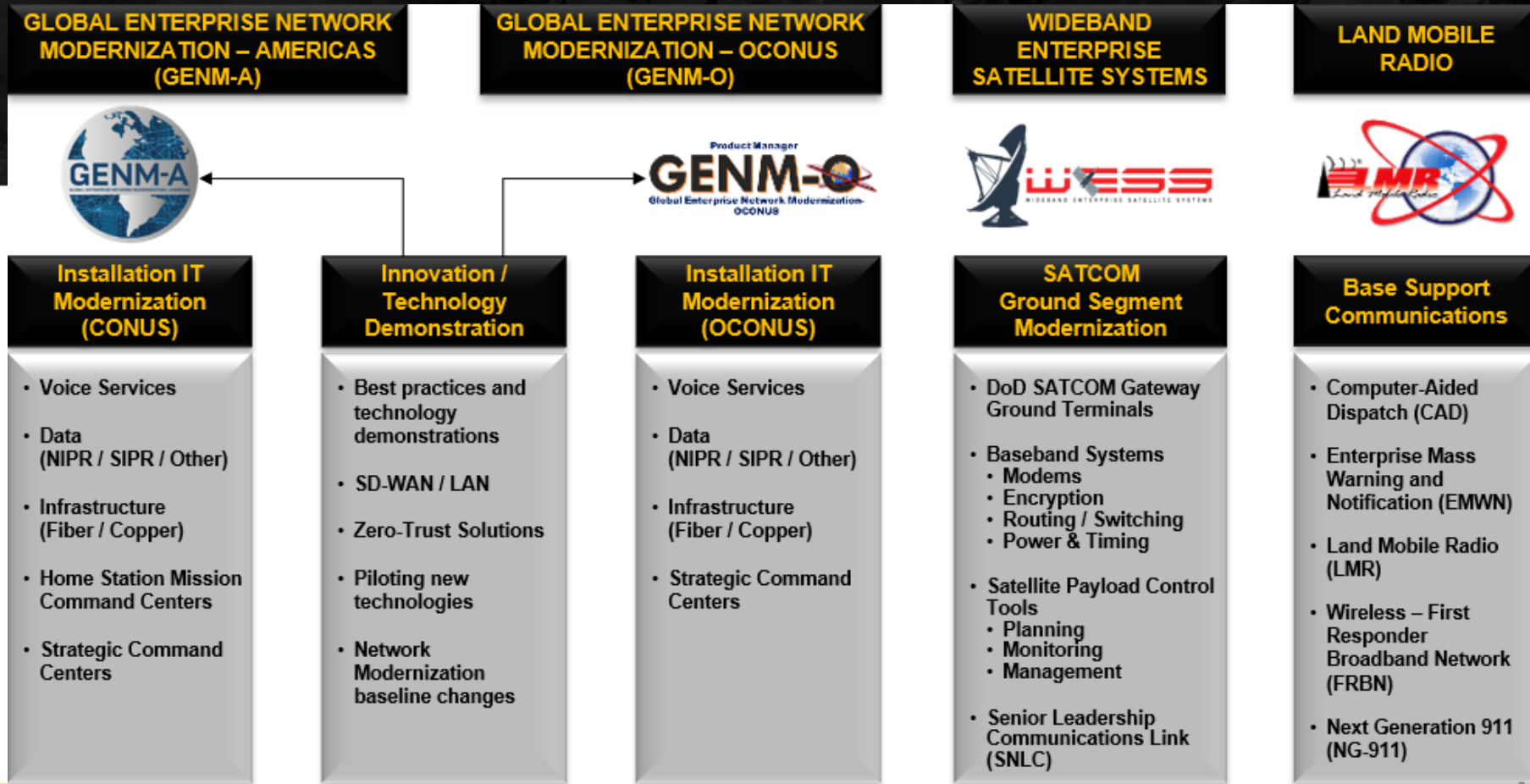


## Strategic Initiatives

- Monitor Industry Technological Changes and Trends
- Forge Strategic Partnerships
- Migration to the Cloud-based Solutions and Applications
- Best Solutions to Modernize Army IT



# Integrated Enterprise Network Portfolio





# Integrated Enterprise Network

## COL Jay Shell



### Priorities

- Field Global SIPRNet modernization
- Divest of legacy telephone infrastructure for VOIP
- Pilot new technology for Army-wide adoption
- SATCOM Ground Segment Modernization
- Inform LMR & CAD capital investment — manage obsolescence and complete ongoing modernization work commensurate with allocated funding
- Optimize network modernization architectures to reduce infrastructure

### Strategic Initiatives

- Field a globally-interoperable SIPR Network to enable connectivity for all customers
- Reduce ~75% of Army's hard phones for Soft Clients
- Leverage enterprise investment and commercial technologies to decrease lifecycle costs
- Base Emergency Communications System convergence
- Strategic SATCOM Army-facing in the Unified Network
- Architect zero trust transport paths for the global network ecosystem
- Optimize and standardize Army Enterprise Private Cloud (AEPC)

### How Industry Can Help

- Help us think “big picture” across the Army and DoD based on how you see us
- Bring solutions to our hardest problems — know the customer
- Cost-effective sustainability using industry standards (no vendor lock-in)
- Provide mature technologies that can be integrated into current network
- Execute short-term wins to build momentum

### Business Opportunities

- Army Enterprise SIPR Modernization
- PACIFIC / EUROPE CAPSET
- LMR / CAD
- EDIM Modem





# Defensive Cyber Operations

## COL Mark Taylor

### Cyber Analytics and Detection (CAD) Analyze | Identify | Mitigate

LTC Dakota Steedsman  
Product Manager



**Cyber Analytics (CA):** Facilitates counter-reconnaissance activities, discover the presence of complex threats and vulnerabilities

**DCO Mission Planning (DCOMP):** Supports mission planning and situational awareness for Cyber Wargaming, Analyses, Training, Network Visualization

**User Activity Monitoring (UAM):** Identifies and malicious activity, Monitors Insider Threat for SIPRNet, JWICS, SAP

**Threat Emulation (TE):** Model enemy activity for training and wargaming

### Cyber Platforms and Systems (CPS) Powerful | Adaptive | Responsive

LTC Brad Son  
Product Manager



**Deployable DCO System (DDS):** Configurable hardware kit, can be easily fit in an aircraft overhead compartment

**Garrison DCO Platform (GDP):** remote operational capabilities and a common platform.

**DCO Tools Suite:** Software used to detect intrusion and conduct analysis

**Forensics and Malware Analysis (F&MA):** Rapidly triages cyber-incidents and performs analysis and collection of malicious data

**Counter Infiltration (CI):** Deceive the Enemy and Detect Intrusions.

### Applied Cyber Technologies (ACT) Advance | Incorporate | Maintain

Mr. Art Edgeson  
Product Lead



**Forge (Develop):** Enables industry, academia, and military to work together to solve the Army's cyber challenges. Delivers fielded capabilities to Armories for distribution to Operational Forces.

**Armories (Deploy):** Provide storage, maintenance, operational patching, and configuration for hardware and software critical to cyberspace warfare.

**Development and Security Operations Environment (DevSecOps):** An environment for the creation and development of secure software solutions (Training, Testing and Integration)

### Allied Information Technologies (AIT) Assist | Build | Train

Mr. David Waisanen  
Product Lead (Acting)



- U.S. and Partner Nation Security and Interoperability, Non-Standard IT Solutions
- Foreign Military Sales Lifecycle and Acquisition
- Foreign Policy Review and Oversight

### Technology Application Office (TAO) Communicate | Control | Defend

Mr. John Swart  
Product Lead



- Functionally integrated, task force organization designed to provide centralized, life-cycle management
- Engineering, fielding, and operation of IT and infrastructure projects, supporting programs



# Defensive Cyber Operations

## COL Mark Taylor

### Priorities

- Fully operationalize The Army's Big Data Platform, Gabriel Nimbus (GN) across NIPR, SIPR, JWICS
- Field the next generation of deployable capabilities to cyber defenders
- Deploy Forensics and Malware Analysis (F&MA) and Threat Emulation (TE) capabilities
- Deploy DCO Tools Suite Version V (FY23)
- Modernize our DevSecOps and Armory processes to meet operational needs
- Continue Fielding of User Activity Monitoring (UAM) to classified networks and begin transition to the next generation UAM solution
- Seamlessly transition Defensive Cyberspace Operations Mission Planning (DCOMP) to Joint Cyber Command and Control (JCC2)

### Strategic Initiatives

- FY23-27 DCO Information Systems Initial Capabilities Document (IS-ICD) IT BOX Renewal
- Integrate Army DCO acquisition efforts within the United States Cyber Command (USCC) Enhanced Budget Control (EBC) environment
- Support the Unified Network Operations (UNO) with:
  - Unified Security Information and Event Management (SIEM) Solution
  - Extend network fabric through LEAP Lower Echelon Analytic Platform (LEAP) and LEAP Tactical (LTAC)
- Continue to showcase the benefits of Research, Development, Test and Evaluation (RDT&E), Budget Activity (BA-08) Single Appropriation



### How Industry Can Help

- Be innovative with the delivery of integrated solutions
- Remain flexible with rapid delivery of products
- Provide metrics demonstrating your value

### Upcoming Business Opportunities


- Future Garrison Defensive Cyberspace Operations Platform (GDP) enhancements
- DCO Tools Suite Version V
- Gabriel Nimbus (GN) Evolution






# The Army relies on PEO EIS

**Connecting the Army.**  
**Working for Soldiers.**

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