Network, Cyber and Services Panel

Connecting the Army.
Working for Soldiers.

3 NOV 2021
Defense Communications and Army Transmission Systems

Defense Communications and Army Transmission Systems (DCATS) provides the communications backbone and modernizes IT network infrastructure for the globally engaged Army.

LTC Xkoshan Arnold
Product Manager
GENM-A

Mr. Thomas Dunaway
Product Manager
P2E

LTC Scott Davis
Product Manager
WESS

Mr. EJ Wasikowski
Product Lead
LMR

COL Justin Shell
Project Manager DCATS
## PM DCATS Portfolio

### WHO WE ARE

- 300+ Acquisition Professionals Modernizing the Army’s Enterprise Network

### SUPPORT TO THE SOLDIER

- Strategic Satellite Communications
- Wideband Control Systems
- Mission Command from Afar
- IT Infrastructure
- Voice Modernization
- Public Safety Communications
- Technical Control Facilities
- Network Tech Refresh
- Commercial Best Practices

### Table: Portfolio Overview

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<tr>
<td>DOD Satellite Communications</td>
<td>Installation Public Safety Communications</td>
<td>Terrestrial Network Infrastructure</td>
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### WORLDWIDE

- **SATECOM**
- **Ground Segment Modernization**
- DoD SATCOM Gateway Ground Terminals
- **Baseband Systems**
  - Modems
  - Encryption
  - Routing/Switching
  - Power & Timing
- **Satellite Payload Control Tools**
  - Planning
  - Monitoring
  - Management

### AMERICAS

- **Base Support Communications**
- **Computer Aided Dispatch (CAD)**
- **Enterprise Mass Warning and Notification (EMWN)**
- **Land Mobile Radio (LMR)**
- **Wireless – First Responder Broadband Network (FRBN)**
- **Next Generation 911 (NG-911)**

### PAC – EUR - AFR

- **Installation IT Modernization (CONUS)**
- **Voice Services**
- **Data (NIPR/SIPR/other)**
- **Infrastructure (Fiber/Copper)**
- **Home Station Mission Command Centers**
- **Strategic Command Centers**

- **Innovation / Technology Demonstration**
- **Best practices and technology demonstrations**
- **Resilient IT solutions and cloud services**
- **Commercial technology demonstrations at three (3) Army sites**

###其他国家

- **Installation IT Modernization (OCONUS)**
- **Voice Services**
- **Data (NIPR/SIPR/other)**
- **Infrastructure (Fiber/Copper)**
- **Strategic Command Centers**
Holistic Network Modernization: The Army has challenged us to show innovation and not modernize “the way we always have”

Technology Integration (Capability Sets): Easily-integrated commercial technology that we can incorporate into every Army base

Public Safety: A System of Systems that facilitates an enterprise solution for all Base Emergency Communications

BEHAVIORS NEEDED
- Easily-integrated commercial technology
- Slam-dunk Business Case
- Show how you will win the best-value competition
- No vendor lock-in
- Show how your product can save the Army money over the long run
- Help us do more with less

CAPABILITIES NEEDED
- Global SIPR Modernization
- VOIP
- WiFi
- Software Defined Networking
- LMR/FirstNet Integration
- Enterprise Mass Warning Systems
- Computer Aided Dispatch Systems
- Next Generation 911 Integration
Defensive Cyber Operations

Defensive Cyber Operations (DCO) provides the hardware, software and tools to proactively defend the Army’s network and enable it to operate unfettered from the threat of cyber attacks. DCO also equips partner nations with cutting-edge information infrastructure capabilities.

LTC Dakota Steedsman
Product Manager
CAD

LTC Bradley Son
Product Manager
CPS

Mr. Arthur Edgeson
Product Lead
ACT

Mr. John Swart
Product Lead
TAO

Mr. Brian Bricker
Acting Product Lead
AIT

COL Mark Taylor
Project Manager DCO
Rapidly deliver innovative and dominant cyberspace capability and tailored information technology solutions to national, joint, and allied partners to provide decisive, warfighting information advantage.

MISSION

WHO WE ARE

Cyber Platforms and Systems (CPS) - Powerful | Adaptive | Responsive
Cyber Analytics and Detection (CAD) - Analyze | Identify | Mitigate
Applied Cyber Technologies (ACT) - Advance | Incorporate | Maintain
Allied Information Technologies (AIT) - Assist | Build | Train
Technology Application Office (TAO) - Communicate | Control | Defend

WHAT DOES DEFENSIVE CYBER OPERATIONS DO?

• Provide cyber analytics and detection for cyber threats
• Provide deployable and cloud based defensive cyber solutions
• Provide rapid prototyping capabilities for rapid acquisition
• Foreign military sales - building partner relationships
• Command, Control, Communications, Computers and Intelligence (C5I) acquisition services

TOP GOALS & PRIORITIES

To deter or defeat enemy offensive cyberspace operations.

Acquire critical capabilities allowing the Army to maneuver with agility to decisively engage the adversary in the cyberspace domain.

To support our Active Duty, Reserve Component and National Guard cyber warriors

To proactively engage with industry and our stakeholders to create positive communication engagement at all levels.

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# Defensive Cyber Operations (DCO)

## Operational Overview

### Threat Deception: Deceive the Enemy
- **Reconnaissance** and Detect Intrusions. Allows an operator to monitor the adversary’s behavior.

### Security Automation Orchestration and Response (SOAR):
- Automated Internal Defense Measures for Evolving Threats

## PLATFORMS AND DEVELOPMENT

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<th>Description</th>
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<tr>
<td>Deployable DCO System (DDS)</td>
<td>Configurable hardware kit, can be easily fit in an aircraft overhead compartment. It is armed with the ability to tap into a network and host tools for defensive measures.</td>
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<tr>
<td>Garrison DCO Platform (GDP)</td>
<td>Provides remote operational capabilities and a common platform. It has the ability to integrate with the Big Data Platform, Global Enterprise Fabric and cloud environments.</td>
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<tr>
<td>DCO Development Environment (DCODE)</td>
<td>Forge (Develop), Armories (Deploy), Development Environment (Training, Testing and Integration)</td>
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## Emerging Capabilities

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## CAPABILITIES NEEDED

- Network Mapping
- Counter Infiltration Tools
- Cyber Intelligence Integration
- Data Analytics – Artificial Intelligence and Machine Learning
- Security Orchestration, Automation and Response (SOAR)
- Threat Analysis
- Forensics and Malware Analysis (F&MA) – Licences, Training, Professional Services and Maintenance
- Deployable Defensive Cyberspace Operations – Modular, New Equipment Training Virtualization
- Cloud Based Garrison Defense

The employment of defensive capabilities achieve the following objectives: deter, destroy and defeat cyberspace threats; gain time; economy of force; control key terrain; protect tasked critical assets and infrastructure; and develop intelligence.
Enterprise Services

Enterprise Services (ES) rapidly acquires, delivers and sustains cost-effective information technology solutions and acquisition services-based capabilities for the Army. ES provides the Army with the means to communicate anytime, anywhere and on any device.

Mr. Sergio Alvarez
Acting Project Director ES

Mr. Boyd Williams
Product Director
ALTESS

Mr. GW Burnside II
Product Lead
AESMS

Mr. Brent Thompson
Product Lead
HR Solutions

Mr. Wayne Sok
Product Lead
CHESS

Mr. Palmer Mitchell
Product Lead
EC

Mr. David Thompson
Product Lead
EC2M
Project Director
Enterprise Services (PD ES)

Who We Are

Acquisition, Logistics and Technology Enterprise Systems and Services
ALTRESS expanded the Fort Bragg NIPRNet Army Enterprise Data Center (AEDC) environment and is targeting FY21 completion of the SIPRNet AEDC buildout.

Computer Hardware, Enterprise Software, and Solutions
The CHESS portfolio has more than 180 IDIQ contracts that provide customers with enterprise-wide COTS IT hardware, software, and services solutions.

Army Enterprise Staff Management System
AESMS ETMS2 solution exceeded 89K users and 49 organizations comprised of all DOD Services and members of the 4th Estate

Enterprise Computing
EC Army Enterprise Service Management Platform (AESMP) program will encompass an Army wide global unclassified and classified Information Technology Service Management (ITSM).

Enterprise Content Collaboration and Messaging
EC2M is expanding ICAM services to include virtualized Identity Directory Services, Identity Governance and Administration (IGA), and adopting Zero Trust capabilities

Human Resource Solutions
HR Solutions has awarded 40 new enterprise-level task orders under its 5th generation IDIQ suites with a total value of over $1B

BY THE NUMBERS

• Decommissioned the AKO unclassified and classified environment, resulting in savings to the Army of approximately $100M for the next five years.

• Completed 1,053 of 1,218 sites from LDAP, to new Army Master Identity Directory (AMID).

• Awarded National Guard Bureau’s Reserve Component Transition Assistance (NGB RCTA)Task Order ($48.7M). Provides Transition Assistance Advisors in all 50 States and Territories.

WHAT WE DO

ES develops, implements and manages commercial IT contracts that provide enterprise-wide net-centric hardware, software and support services for the Army. It also provides centralized acquisition management services for enterprise-level, human resource, knowledge-based services and training to DOD-requiring activities.
QUESTIONS
The Army relies on PEO EIS

Connecting the Army.
Working for Soldiers.

Company/usarmypeoesis
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