Networks, Cyber and Services Mission Area Panel

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Defense Communications and Army Transmission Systems (DCATS)

DCATS: Enabling Army **information dominance** through **Modernization and Lifecycle Management** of the Enterprise Network

DCATS Team

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P2E

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I3MP

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EITaaS

PM DCATS Portfolio

US ARMY PEO EIS — PEO ENTERPRISE INFORMATION SYSTEMS

PM DCATS — Freedom Through Communications

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

Wideband Enterprise Satellite Systems (WESS)	Land Mobile Radio (LMR)	Enterprise IT as a Service (EITaaS)	Installation Information Infrastructure Modernization Program (I3MP)	Power Projection Enablers (P2E)
DOD Satellite Communications	**Installation Public Safety Communications**	**Terrestrial Network Infrastructure**		
WORLDWIDE		**AMERICAS**		**PAC – EUR - AFR**

WESS — WIDEBAND ENTERPRISE SATELLITE SYSTEMS

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

LMR — Land Mobile Radio

- **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)**

EITaaS — ARMY Enterprise IT as a Service

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

I3MP

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

P2E — PRODUCT MANAGER POWER PROJECTION ENABLERS

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

DCATS Needs from Industry

- **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
- Commercial Solutions for Classified
- VOIP
- WiFi
- Software Defined Networking
- LMR/FirstNet Integration
- Enterprise Mass Warning Systems
- Computer Aided Dispatch Systems
- Next Generation 911 Integration

DEFENSIVE CYBER OPERATIONS (DCO)

We rapidly deliver innovative and dominate cyberspace capabilities, as well as tailored information technology solutions for our national, joint and allied partners. These capabilities provide a decisive warfighting information advantage, through rapid prototyping, deployable and cloud based defensive cyber solutions, cyber analytics and detection for cyber threats, foreign military sales support, and Command, Control, Communications, Computers & Intelligence (C5I) acquisition services.

Defensive Cyber Operations Team
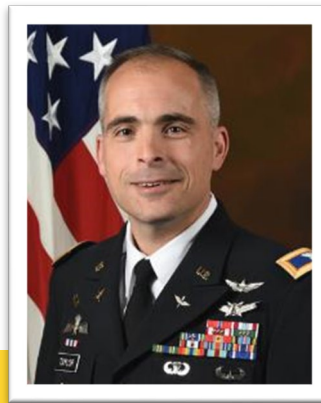
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CPS

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CAD

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Product Lead
ACT

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Product Lead
TAO

About Us

HOW WE SUPPORT OUR SOLDIERS
- 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 & Intelligence (C5I) acquisition services

MISSION:
Rapidly deliver innovative and dominant cyberspace capability and tailored information technology solutions to national, joint and allied partners to provide a decisive, warfighting information advantage.

VISION:
Be recognized as the leader within the cyberspace domain delivering innovative, integrated and cost-effective solutions.

Cyber Platform and Systems (CPS)	Applied Cyber Technologies (ACT)	Cyber Analytics and Detection (CAD)	Technology Applications Office (TAO)	Allied Information Technology (AIT)
• Garrison Defensive Cyberspace Operations Platform (GDP) • Deployable Defensive Cyberspace Operations Systems – Modular (DDS-M) • Defensive Cyber Operations Tools Suite (DCO Tools Suite) • Forensics and Malware Analysis	• Forge (Innovation and Integration hub) • Armories • Distributed Development Environment (DDE)	• Cyber Analytics (CA) • User Activity Monitoring (UAM) • Defensive Cyber Operations Mission Planning (DCOMP) • Castle Keep • Threat Emulation	• Functionally integrated, task force organization designed to provide centralized, life-cycle management • Engineering, fielding, and operation of IT and infrastructure projects, supporting programs	• U.S. and Partner Nation Security and Interoperability, Non-Standard IT Solutions • Foreign Military Sales Lifecycle • Technology Transfer • Acquisition • Foreign Policy Review and Oversight

Defensive Cyber Operations Needs from Industry

- **Cloud Based Garrison Defense**

- **Improving the Army's deployable kits - increasing storage, compute and RAM while minimizing the size, weight and power consumption (SWaP) of the kit.**

- **Cyber Analytic Tools Development, LEAP and Cross Domain Solution Integration and Operational Testing**

- **User Activity Monitoring – Cloud Solution Development and Integration with the Army's Big Data Platform, Gabriel Nimbus**

- **Transition Capability to the Joint Solution, Tool Development for Army Specific Requirements for mission planning**

- **Threat Emulation – Operational Testing, Fielding, Training**

- **Counter Infiltration - Licenses, Training, Professional Services.**

BEHAVIORS NEEDED

- Be Innovative
- Be A Participant, Get In The Game
- Integrate With Each Other
- Be Flexible
- Be A Team Player
- Provide Metrics That Demonstrate Your Value

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

Enterprise Services (ES) Maximizing the Power of Enterprise

ES rapidly acquires, delivers and sustains cost-effective information technology solutions and acquisition services-based capabilities for the Army.

Enterprise Services Team

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Project Director

Boyd Williams
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ALTESS

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CHESS

Palmer Mitchell
Product Lead
EC

Deidra McCaskill
Product Lead
EC2M

Brent Thomas
Product Lead
HR Solutions

About Us

HOW WE SUPPORT OUR SOLDIERS

- 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.

WHO WE ARE

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

- Provide commercial off-the-shelf resources to the Army's work-force.

- Provide the means to communicate with each other – anytime, anywhere and on any device.

ALTESS expanded the Fort Bragg NIPRNet Army Enterprise Data Center (AEDC) environment and is targeting FY21 completion of the SIPRNet AEDC buildout

AESMS Enterprise Task Management Software Solution (ETMS2) solution exceeded 89K users and 49 organizations comprised of all DoD Services and members of the 4th Estate

The **CHESS** portfolio has more than 180 IDIQ contracts that provide customers with enterprise-wide COTS IT hardware, software, and services solutions

EC/MilTech's milSuite, the Army's premiere crowd-sourcing and information sharing tool for the DoD, surpassed 1.84M registered users, and provides the Army with an approved and preferred online survey tool in milSurvey

EC2M is expanding Identity, Credential and Access Management (ICAM) services to include virtualized Identity Directory Services, Identity Governance and Administration, and adopting Zero Trust capabilities

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

Enterprise Services Needs from Industry

- **Emerging Tech / Legacy Divestment**

- **Unified Network Operations**

- **Enterprise Identity Management**

- **IT Service Management**

- **Cloud Migration**

- **Army Enterprise Data Center Implementation**

- **Mandatory Source Contracting Vehicles**

- **Category Management**

BEHAVIORS NEEDED

- **Always Do What's Right**
- **Have the Right People at the Table**
- **Identify and Engage Key Participants**
- **Communicate with Precision**
- **Remain Flexible**
- **Identify Challenges - Propose Solutions**

ACTIONS

- **Forge Strategic Partnerships**
- **Improve Proposals to Obtain Best Solutions to Modernize Army IT**
- **Collaborate on Better Products at a Fairer Price**
- **Invest in Proven Tested Technology**
- **Migration to the Cloud-based Solutions and Applications**
- **Monitor Industry Technological Changes and Trends**

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The Army relies on
PEO EIS

Connecting the Army. Working for Soldiers.

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