Digital Transformation at PD Enterprise Services

AFCEA Belvoir Luncheon

Dec. 13, 2022

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
Acquisition, Logistics and
Technology Enterprise
Systems and Services

Mr. GW Burnside II
Product Lead
Army Enterprise Staff
Management System

Mr. Brent Thompson
Product Lead
HR Solutions

Ms. Sarah Mullins
Product Lead
Computer Hardware, Enterprise
Software, and Solutions

Mr. Palmer Mitchell
Product Lead
Enterprise Computing

Ms. Deidra McCaskill
Product Lead
Enterprise Content
Collaboration and Messaging

Project Director Enterprise Services (PD ES)

Who We Are

Acquisition, Logistics and Technology Enterprise Systems and Services
- Capability Delivery and Application Modernization
- Computing Infrastructure
- Cybersecurity
- Operations and Processes
- Facility Infrastructure

Computer Hardware, Enterprise Software, and Solutions
- **Hardware**
  - ADMC 2/3
  - ITES 3H
  - AIT RFID
  - Mobility Services
- **Software**
  - Agreements
  - ITES SW2
  - ESI
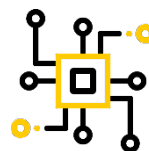- **Services**
  - ITES 3S
- Consolidated Buys

Enterprise Content Collaboration and Messaging
- Identity Credential and Access Management
- SharePoint Online Transition
- MilSuite
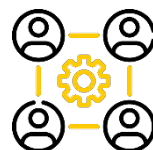- Acquisition Services

Army Enterprise Staff Management System
- Document Management
- Records Management
- Acquisition & On-Boarding Support to Staff Management Systems (DOD & Army)

Enterprise Computing
- Manage Service Provider
- Acquisition Services

Human Resource Solutions
- Soldiers & Family
- Professional Program Support
- Professional Curriculum & Development & Instruction
- Record Keeping
- Special Programs
- Project Management Support

Shaping Acquisition, Driving Innovation

PD ES BY THE NUMBERS

- **AESMS:** On boarded 31,090 users across 13 organizations during FY22

- **ALTESS:** Army Materiel Command (AMC) Migration of 54 applications from MilCloud to cArmy

- **CHESS**: Provided modifications to 120 vendors on Information Technology Enterprise Solutions – 3 Services (ITES-3S)

- **EC2M:** milSuite surpassed 2.1 million registered users

- **ES:** The PD ES portfolio consists of over 400+ Civilians and Contractors at Fort Belvoir, Radford, VA and Fort Knox, KY

- **HRS**: Completed over 130 contract actions obligating over $230M for enterprise human resource services
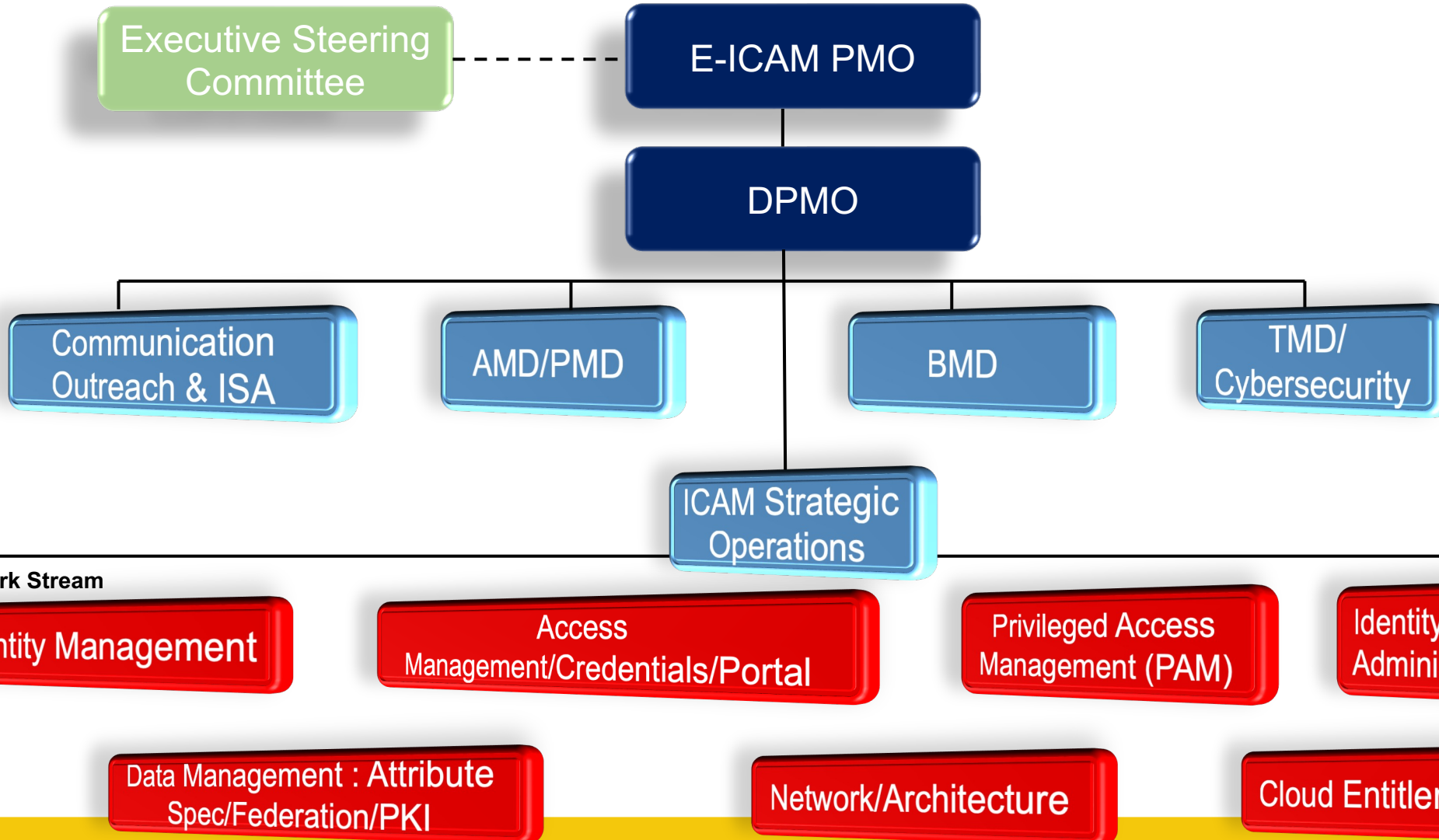
WHAT WE DO

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.

3

PD Enterprise Services – PdD Enterprise ICAM

Executive Steering Committee

E-ICAM PMO

DPMO

- Communication Outreach & ISA
- AMD/PMD
- BMD
- TMD/ Cybersecurity

ICAM Strategic Operations

Project Work Stream

- Identity Management
- Access Management/Credentials/Portal
- Privileged Access Management (PAM)
- Identity Governance Administration (IGA)
- Data Management : Attribute Spec/Federation/PKI
- Network/Architecture
- Cloud Entitlement

PD ES Stakeholder Slide

IMPORTANCE TO STAKEHOLDER

Host Nations – Europe
Host Nations – Pacific
Host Nations – SWA

Secondary | **Primary**

- Operation Spartan Shield
- CJTF-OIR
- Task Force Mercury (Korea YRP)
- V Corps
- HQDA G1
- DOD CIO
- HQDA G6
- TRADOC
- NETCOM
- DISA E/P/C
- ATEC
- AMC
- HQDA OCIO
- ASA (ALT)
- Network CFT
- ARCYBER

Other | **Secondary**

- EUCOM
- USFK
- SETAF-AF
- INDOPACOM
- AFRICOM
- 2ND SIG BDE
- FORSCOM
- USARPAC
- 335st SIG
- CHRA
- 311th SIG
- ACE
- MEDCOM
- USMA
- 160 SIG BDE
- NETCOM EUROPE
- ARCENT
- CECOM
- CENTCOM
- USAREUR-AF

INFLUENCE ON PROGRAM

Commitment to communicate…early and often

- Continual engagement with all Stakeholders (annual, semi-annual, and quarterly)
- Monthly or weekly in-depth working groups, IPTs, and status reviews with 125 customers and 1500 applications within the E-ICAM services.
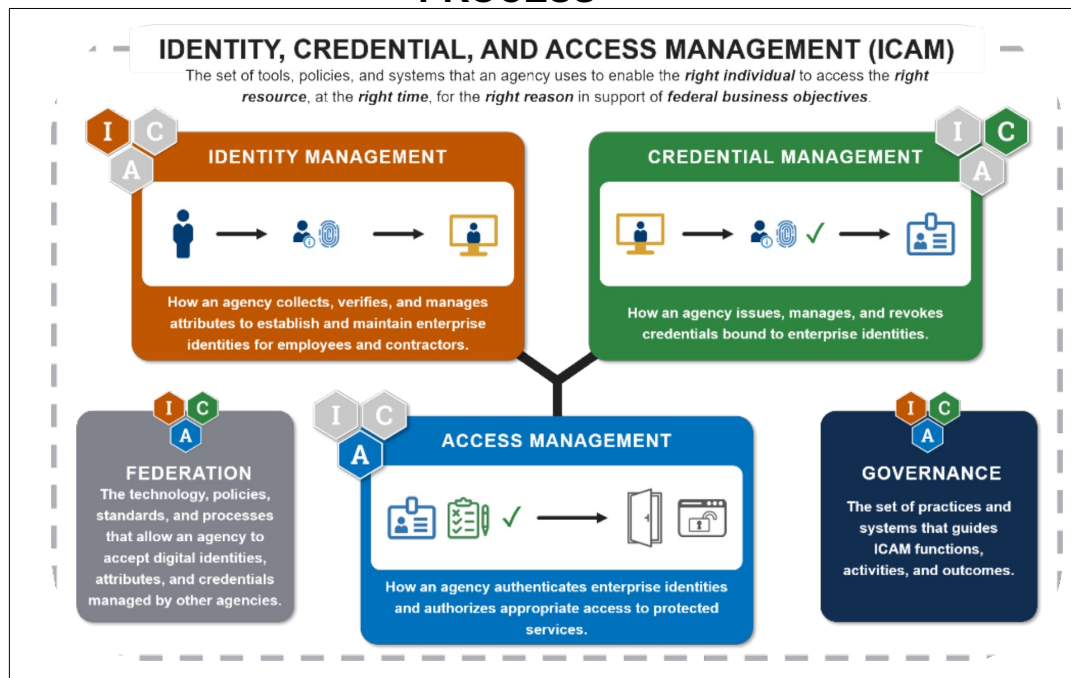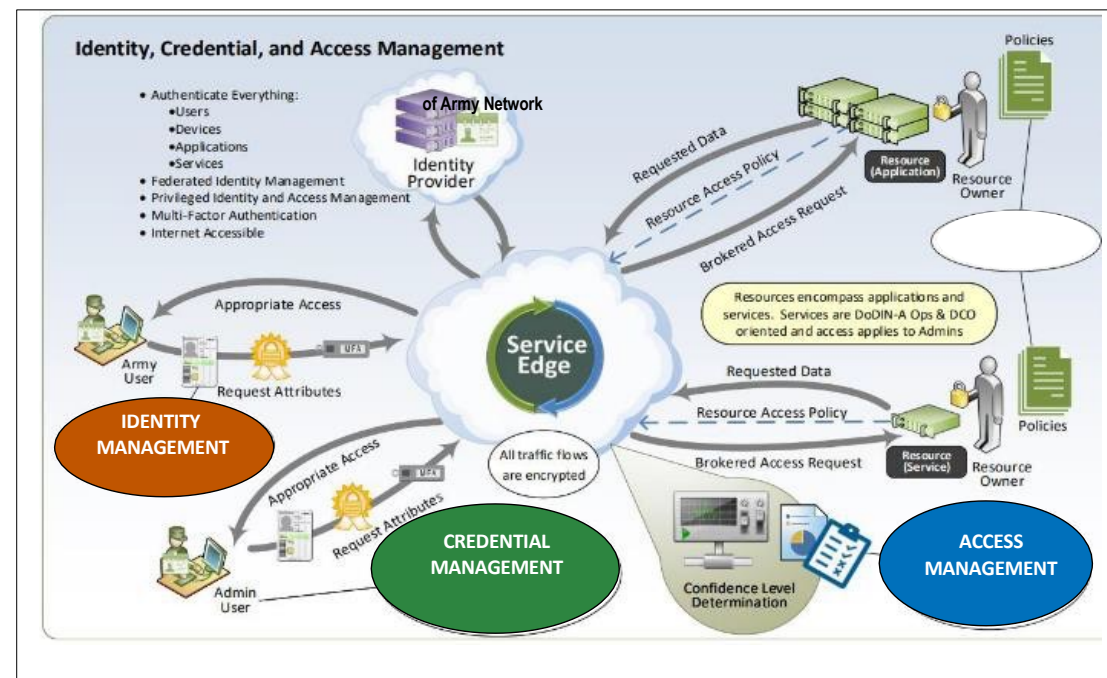
ARMY ICAM APPROACH
SECURING OUR DATA: ZERO TRUST
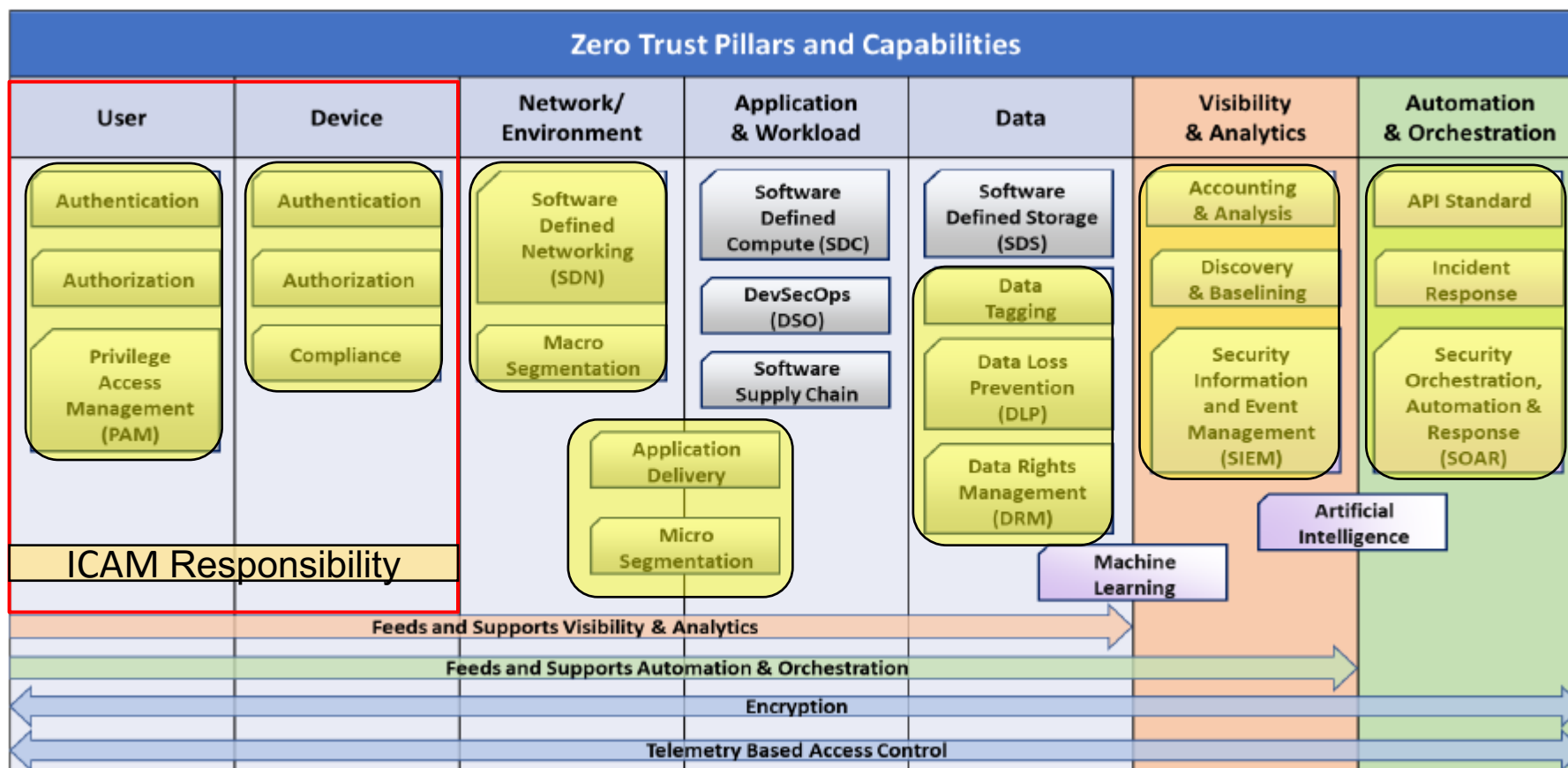
PROCESS

ARMY NETWORK ICAM

END STATE

- Ability to control user and system access to information and information systems
- Ability to authenticate users and devices; assign permissions; and stage, access, share, and tag information data across multiple classifications
- Bundle Key ICAM Services and make them deployable to the point of need.
- Universal identity recognition and authentication standards

Army ICAM and Zero Trust

Zero Trust Pillars and Capabilities

User	Device	Network/Environment	Application & Workload	Data	Visibility & Analytics	Automation & Orchestration
Authentication	Authentication	Software Defined Networking (SDN)	Software Defined Compute (SDC)	Software Defined Storage (SDS)	Accounting & Analysis	API Standard
Authorization	Authorization	Macro Segmentation	DevSecOps (DSO)	Data Tagging	Discovery & Baselining	Incident Response
Privilege Access Management (PAM)	Compliance		Software Supply Chain	Data Loss Prevention (DLP)	Security Information and Event Management (SIEM)	Security Orchestration, Automation & Response (SOAR)
			Application Delivery	Data Rights Management (DRM)		
			Micro Segmentation			

ICAM Responsibility

Artificial Intelligence

Machine Learning

Feeds and Supports Visibility & Analytics

Feeds and Supports Automation & Orchestration

Encryption

Telemetry Based Access Control

The areas highlighted to the left are the pillars that would be directly affected by increasing the existing capability sets available through the EAMS-A partnership with significant commercial delivery and security expansion available

Reference: DoD Zero Trust Reference Architecture Version 1.0, February 2021

Army PEO EIS – Zero Trust Strategic

Core Capabilities for Army ICAM and Way Forward to Zero Trust

Current Capabilities:

- ICAM Support Services / SSO
- Mobile Connect MFA
- Global Policy Enforcement Point
- Identity Governance Administration (IGA)
- NPE Management
- North/South Micro-segmentation (Agentless)
- Network Performance & Reliability Services
- Ubiquitous CSP CAP connectivity
- WAF
- NIPR/SIPR SASE
- Global Content Offload Capability
- Advanced Delivery Configurations

Potential Available Capability:

- Disconnected Region Support
- Agent based, non-HTTPS North/South Micro-segmentation support
- Comply to Connect
- Advanced mobile policy enforcement to include items like gait etc.
- East/West Micro-segmentation
- Active Port and Protocol Continuous monitoring and enforcement
- Advanced API Security and Delivery
- Wider Commercial SASE Availability
- Real User Monitoring (no application changes required)

Upcoming Procurements

Program	Title	Description	Contracting Office	NAICS	Contract vehicle or stand-alone	Small Business Set -Aside	Est. Solicitation Release	Est. Award	Est. Value Range
E-ICAM	Enterprise ICAM solution	Holistic enterprise ICAM solution	AFSTS	TBD	AFSTS	N	Dec-22	Jan-23	$17M – $20M
EC2M	MobileConnet Multifactor Authentication	Mobile-based Multifactor Authentication app	ACC-RI	541519	Stand-Alone	N	Apr-23	Jun-23	$5M-$10M
ALTESS	Network Switches	Cisco ACI Ethernet Switches	ACC-RI	514519	CHESS 3H	TBD	Jan-23	Mar-23	$500K-$1M
EC	AESMP SETA Support	AESMP SETA Support	ACC RI	541519	TBD	Y	TBD	TBD	$20M-$50M

Path Forward

Award flexible contracts that enable Agile Acquisition Development

Enable Enterprise Secured Services

Meet Digital Transformation Strategy and DoD /Army Zero Trust

Where Industry Can Help

- 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

FEEDBACK FROM INDUSTRY

- How can we be more innovative?

- How can we leverage Industry best practices to deliver cloud services?

- How do we ensure our solutions can seamlessly integrate in our Unified Network Multi-Domain Environment

CAPABILITIES NEEDED

- Holistic ICAM

- Managed Services

- Multi-Factor Authentication

US ARMY
PEO EIS
PEO Enterprise Information Systems

The Army relies on PEO EIS

Connecting the Army.
Working for Soldiers.

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