Enterprise Services to the Edge

US ARMY PEO EIS
PEO ENTERPRISE INFORMATION SYSTEMS

ES
Project Director
Enterprise Services

Mr. Jeremy Hiers
Project Director, PD ES
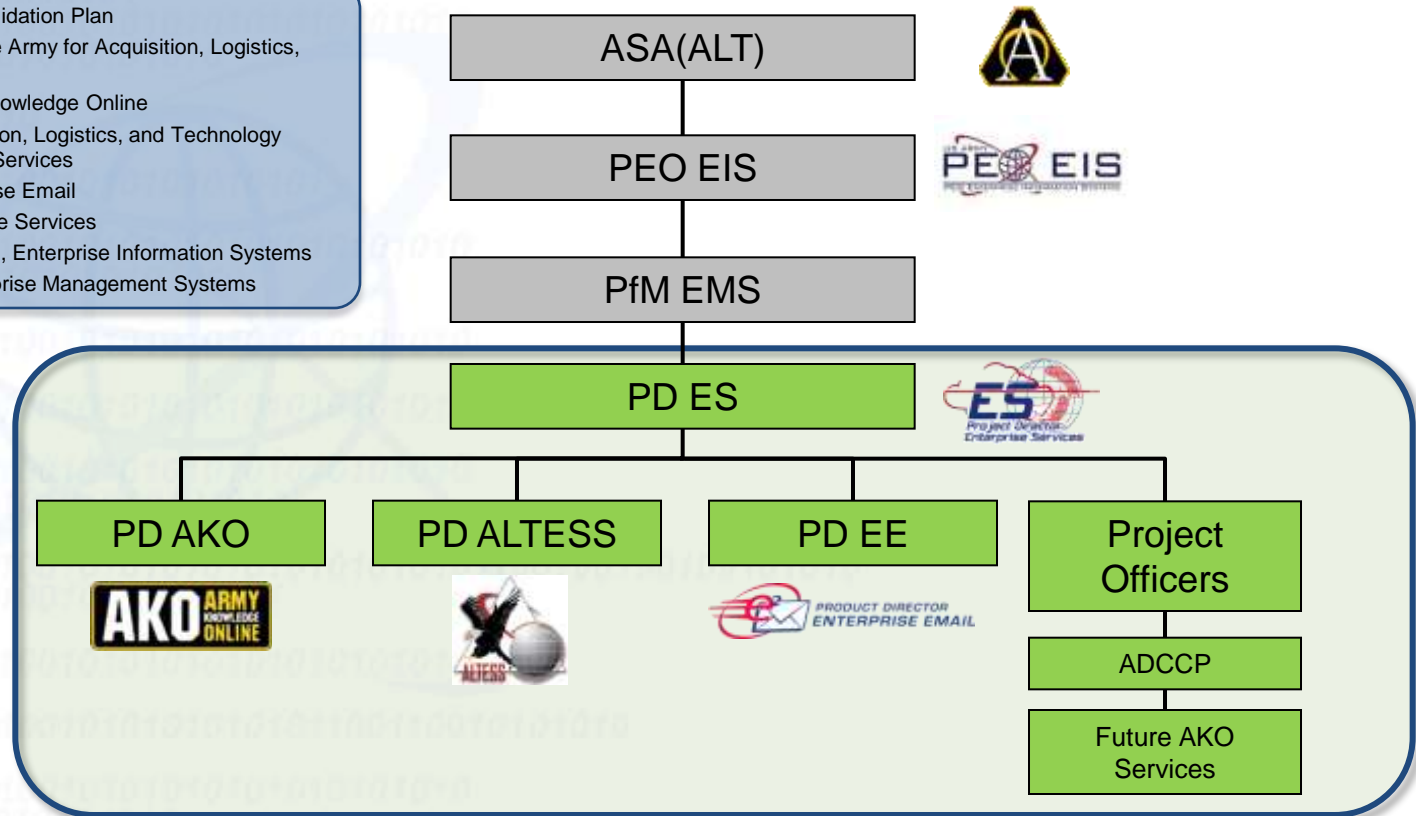
22 May 2013

Agenda

- **Who is PD Enterprise Services?**

- **Concept for Enterprise Services to the Edge**

- **Enterprise Services Transition**

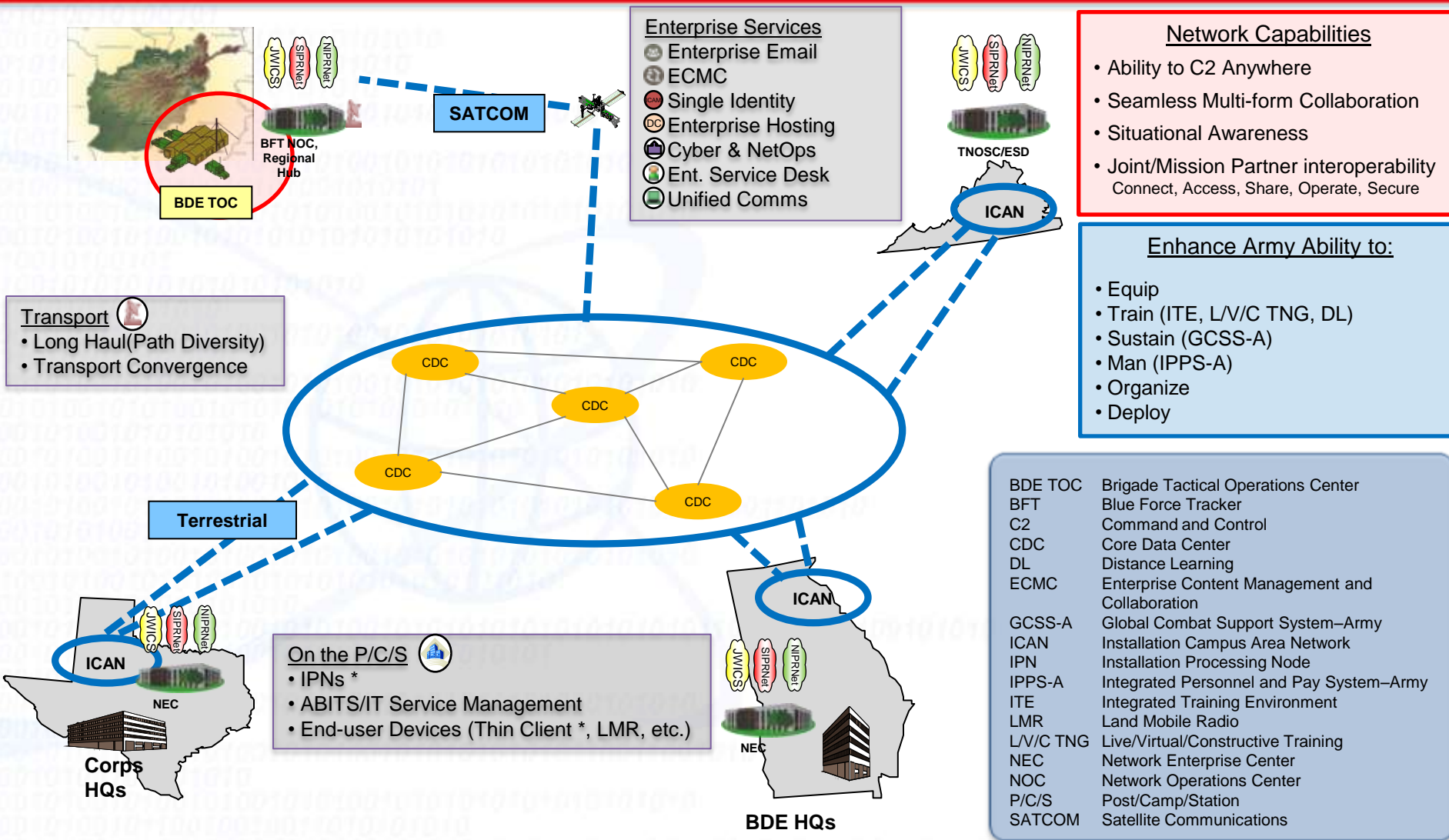- **Top Enterprise Service Initiatives for FY13 & FY14**

Who is PD Enterprise Services

PD ES Mission: Develop, deliver, and sustain enterprise level IT services that enable end-to-end communication, collaboration, messaging, content management, and application hosting across the Army.

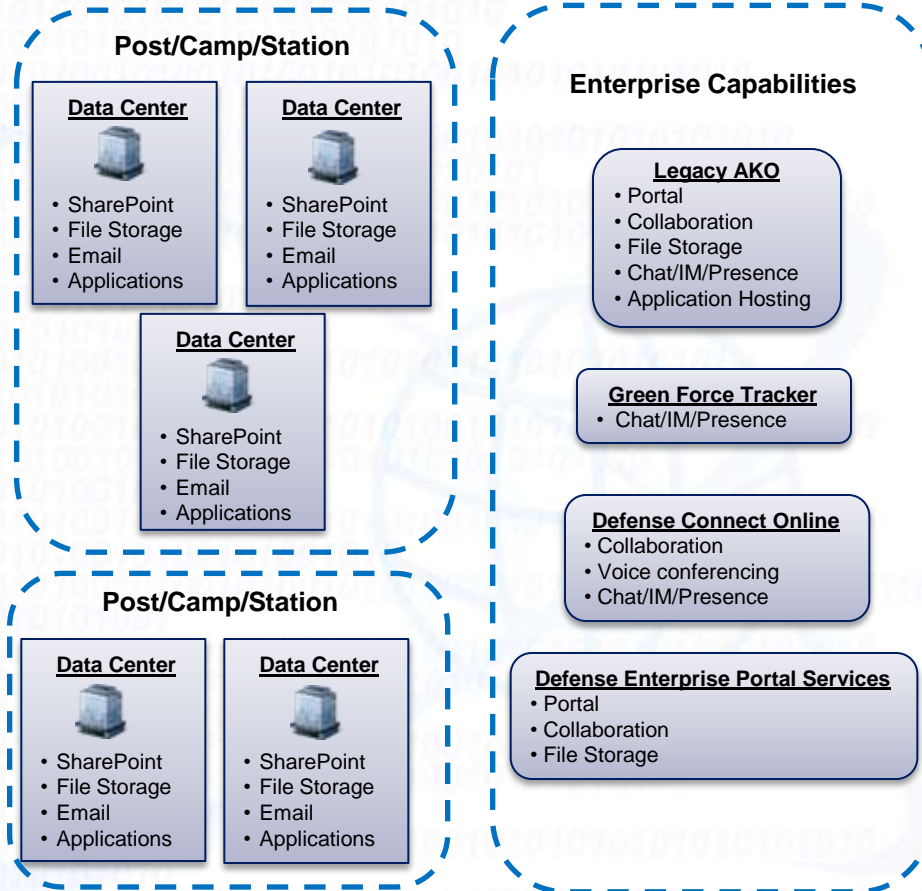|	
ADCCP	Army Data Center Consolidation Plan
ASA(ALT)	Assistant Secretary of the Army for Acquisition, Logistics, and Technology
PD AKO	Product Director Army Knowledge Online
PD ALTESS	Product Director Acquisition, Logistics, and Technology Enterprise Systems and Services
PD EE	Product Director Enterprise Email
PD ES	Project Director Enterprise Services
PEO EIS	Program Executive Office, Enterprise Information Systems
PfM EMS	Portfolio Manager, Enterprise Management Systems

Organizational chart: ASA(ALT) → PEO EIS → PfM EMS → PD ES → PD AKO, PD ALTESS, PD EE, Project Officers → ADCCP → Future AKO Services

Concept for Enterprise Services to the Edge

SATCOM

BFT NOC, Regional Hub

BDE TOC

Enterprise Services
- Enterprise Email
- ECMC
- Single Identity
- Enterprise Hosting
- Cyber & NetOps
- Ent. Service Desk
- Unified Comms

TNOSC/ESD

ICAN

Network Capabilities
- Ability to C2 Anywhere
- Seamless Multi-form Collaboration
- Situational Awareness
- Joint/Mission Partner interoperability
  Connect, Access, Share, Operate, Secure

Enhance Army Ability to:
- Equip
- Train (ITE, L/V/C TNG, DL)
- Sustain (GCSS-A)
- Man (IPPS-A)
- Organize
- Deploy

Transport
- Long Haul(Path Diversity)
- Transport Convergence

CDC
CDC
CDC
CDC
CDC

Terrestrial

ICAN

ICAN

NEC

On the P/C/S
- IPNs *
- ABITS/IT Service Management
- End-user Devices (Thin Client *, LMR, etc.)

Corps HQs

NEC

BDE HQs

BDE TOC	Brigade Tactical Operations Center
BFT	Blue Force Tracker
C2	Command and Control
CDC	Core Data Center
DL	Distance Learning
ECMC	Enterprise Content Management and Collaboration
GCSS-A	Global Combat Support System–Army
ICAN	Installation Campus Area Network
IPN	Installation Processing Node
IPPS-A	Integrated Personnel and Pay System–Army
ITE	Integrated Training Environment
LMR	Land Mobile Radio
L/V/C TNG	Live/Virtual/Constructive Training
NEC	Network Enterprise Center
NOC	Network Operations Center
P/C/S	Post/Camp/Station
SATCOM	Satellite Communications

Enterprise Service Transition

Current State – Decentralized

Post/Camp/Station

Data Center
- SharePoint
- File Storage
- Email
- Applications

Data Center
- SharePoint
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Data Center
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Post/Camp/Station

Data Center
- SharePoint
- File Storage
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Data Center
- SharePoint
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- Email
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Enterprise Capabilities

Legacy AKO
- Portal
- Collaboration
- File Storage
- Chat/IM/Presence
- Application Hosting

Green Force Tracker
- Chat/IM/Presence

Defense Connect Online
- Collaboration
- Voice conferencing
- Chat/IM/Presence

Defense Enterprise Portal Services
- Portal
- Collaboration
- File Storage

P/C/S	Post/Camps/Station
VEUE	Virtual End User Environment
IPN	Installation Processing Node
IM	Instant Messaging

Future – Federated Enterprise Services

Local p/c/s

IPN
- VEUE
- Local Apps

Local p/c/s

IPN
- VEUE
- Local Apps

Army Enterprise Data Centers

◊ **Enterprise Identity Management**
◊ **Enterprise Email**
◊ **Enterprise Collaboration**
◊ **Enterprise Content Management**
◊ **Unified Communications**
◊ **Application Hosting**
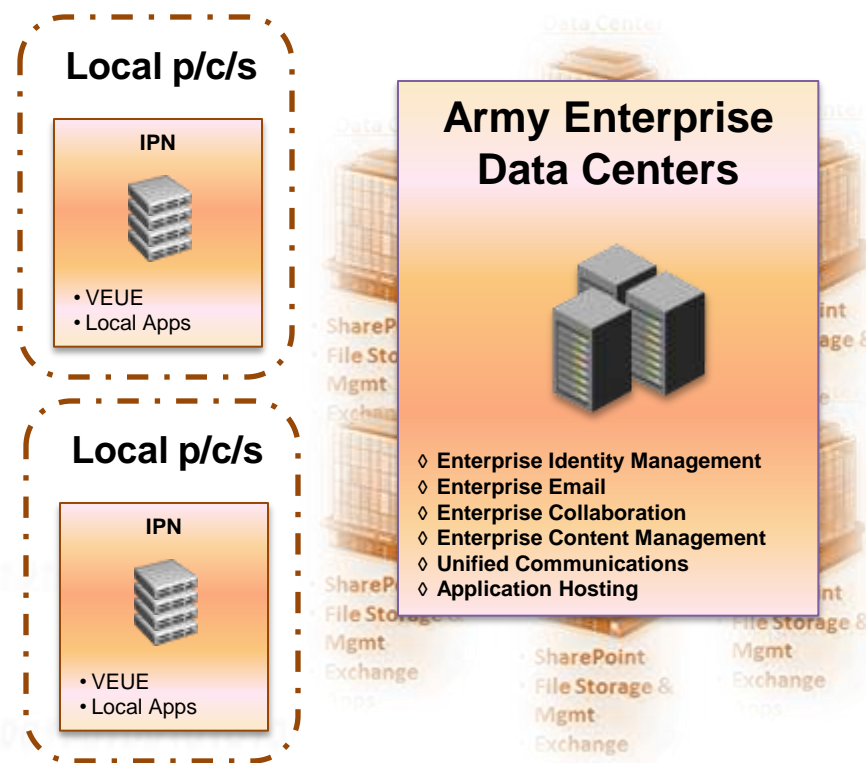
✓ *Delivery of mission essential enterprise services to the edge with consistent network access.*

✓ *Creates a much more effective network and operational security posture.*

✓ *Enables content, collaboration, messaging, and telephony to transverse network, geographical, and operational boundaries.*

✓ *Reduces IT modernization and lifecycle management costs through a standardized Enterprise Services architecture.*

✓ *Significantly reduces spending for stove-piped IT systems and services.*

Enterprise Service Transition

Legacy	Current **FY13**	Migration **FY13 – 16**	Sustain **FY16 +**

- Army Knowledge Online (AKO) Single Sign On → Enterprise Identity Management
- AKO Email
- Enterprise Email
- Local Exchange Servers
- AKO Portal Services
- Enterprise Collaboration
- Local SharePoint (1,500+ servers)
- Enterprise Content Management
- Local File Storage Drives
- Unified Communications (Chat/IM/Presence)
- AKO Chat / Instant Message (IM)
- Green Force Tracker
- Installation Processing Nodes
- Post/Camp/Station Data Centers (700+)
- Army Core Data Centers
- Enterprise Data Centers

Future AKO Services

Common Operating Environment

Legend:
- Legacy
- Future
- End State

Top Enterprise Service Initiatives for FY13 and FY14

- **FY13**
  - **Complete migration to Enterprise Email**
  - **Conduct pilot of an Enterprise Collaboration capability**
  - **Conduct market research on next generation Enterprise Services**
    - **Collaboration**
    - **Content Management**
    - **Unified Communications**

- **FY14**
  - **Initiate migration to next generation Enterprise Services**

Top Enterprise Service Initiatives for FY13 and FY14

■ **The RFI for Enterprise Content Management explored industry solution(s) for the following:**

Scope

Up to 4 Million Users

NIPR and SIPR

Global Access

Market Research Focus Areas

• Content Repository

• Document Management

• Business Process Management

• Records Management

• Content Collectors

  • File Systems

  • Email Systems

  • COTS Collaboration

• Content Auto-Categorization

• Search

**RFI posted 25 March – 22 April 2013
The Government is currently reviewing responses**

Top Enterprise Service Initiatives for FY13 and FY14

■ **An upcoming RFI for Unified Communications is intended to explore industry solution(s) for the following:**

Scope

Up to 4.5 Million Users

NIPR and SIPR

Global Access

Operate in Austere Environments

Market Research Focus Areas

• Integration with existing email solutions

• Telephony/VoIP integration

• Presence/awareness of users

• Text and voice chat

• Ad hoc persistent collaborative work spaces

• VTC interoperability

• Desktop/thin client/mobile device accessibility

• Identity Management (PKI/CAC)

• Recording/playback

RFI expected to be released in the near future

Top Enterprise Services Challenges

- **Concept of Operations development**

- **Providing seamless access and a single identity across generating force and tactical environments**

- **Data migration (costs, how to standardize, etc)**

- **Data management strategy (taxonomy, records retention/journaling, etc)**

- **How to handle non-CAC users**

- **Quality of Service**

- **Support for mobile platforms and other emerging technologies**