PEO EIS

Connecting the Army. Working for Soldiers.

AFCEA Belvoir Industry Day
I3MP/P2E
Nov. 17, 2020

Agenda

- I3MP & P2E Leadership
- I3MP/ P2E: Capabilities to Enable the Warfighter Functions
- Future Opportunities
- Future Directions
- Where you can help

PdM P2E Leadership

Product Manager

LTC Howard Donaldson

Program Management Director

Peter Nesby

Deputy Product Manager

Hector Acosta

Technical Management Director

Demetra Hayes

PAC Director

Timothy Green

EUR Director

Thomas Dunaway

SWA Director

Scott Ervin

APM PAC

Vacant

APM EUR

Vacant

APM SWA

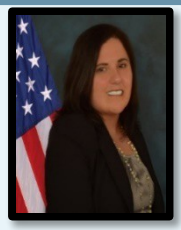
Vacant

PdM I3MP Leadership

Product Manager
Mr. Victor Hernandez

Deputy Product Manager
Charles Cole

Program Office Infrastructure/ Networks



Toni Freeland

- Outside Plant / Inside Plant
- Facilities
- Installation Campus Area Network - Design & Implementation
- High Capacity Routers & Switches

Program Office VMOD

Kevin Chinn

- Decommission Legacy Voice Systems
- Implement Voice Systems

Program Office Command Centers

Alberto Dominguez

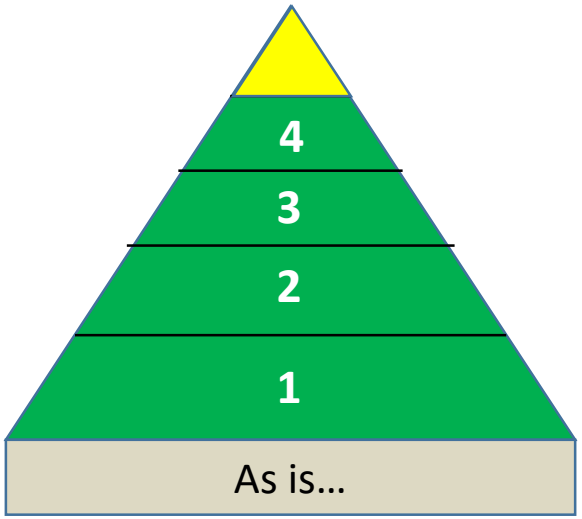
- Home-Station Mission Command Centers
- Strategic Command Centers
- Technical Control Facility

Technical Management Division

Thuan Phan

- Technical support for technology projects, products and systems to PdM I3MP

I3MP/P2E: Capabilities to Enable the Warfighter Functions



Item	Capability	Result	LCR Cycle
1	Outside Plant	**Connecting buildings to main nodes:** Fiber, Copper, Duct, Maintenance Holes, Wireless Access Points, Antennas	20 years
2	Inside Plant	**Required upgrades inside buildings:** AC, Humidity Control, UPS, Building Fiber Wiring, Comms Shelters, Generators	20 years
3	SIPR/NIPR ICAN	**Communications backbone for installation:** Edge Access Switches, Area Core Switches, Area Distribution Switches, Collection Routers, Layer 2 Bridging Switches	7 years
4	Voice over IP	**Enabling Voice over Internet Protocol (IP):** IP Voice End Devices, Session Border Controller, Integrated Access Device, Decommission Legacy Voice Systems, Circuit Optimization	7 years

***Capabilities Enable** Secure A/V Systems, Integration of Command Operations Systems, Secure Video Teleconference Systems, C4ISR Infrastructure, ERPs, STE, MPE, and other key warfighting functions

P2E Pacific Capabilities

Capabilities:

- Outside Plant (OSP): Modernized and standardized in-ground wired IT transmission hardware (i.e., high-capacity fiber-optic cabling)
- Facilities/Inside Plant (ISP): Upgraded facility infrastructure (i.e., power; HVAC) to support dedicated user connections
- Non-classified Internet Protocol Router (NIPR) ICAN: Upgrade network capacity from 1 to 10/40/100 GB (e.g., switches, routers, racks).
- Secret Internet Protocol Router (SIPR) network: enable secure communications.
- Voice: Modernize telephone systems (replacing end-of-life Time Division Multiplexing systems) and enable Internet Protocol (IP)-based phone systems

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	SCHOFIELD HOLISTIC VOIP PH1	ACC-RI	NETMOD	FY21	NOV 2020	$3.5M	
541330	SHAFTER HOLISTIC OSP	ACC-RI	NETMOD	FY21	NOV 2020	$3.6M	
541330	PAC SCC Infrastructure Capability Set	ACC-RI	NASA SEWP SB CAT C	FY21	FEB 2021	$33M	

P2E Southwest-Asia Capabilities

Capabilities:

- Outside Plant (OSP): Modernized and standardized in-ground wired IT transmission hardware (i.e., high-capacity fiber-optic cabling)
- Facilities/Inside Plant (ISP): Upgraded facility infrastructure (i.e., power, HVAC) to support dedicated user connections
- Non-classified Internet Protocol Router (NIPR) ICAN: Upgrade network capacity from 1 to 10/40/100 GB (e.g., switches, routers, racks)
- Secret Internet Protocol Router (SIPR) network: enable secure communications
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NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	SW-ASIA Network Modernization CAPSET	ACC-RI	TBD	FY 21	MAR 2022	$TBD	

P2E Europe Capabilities

Capabilities:

- Outside Plant (OSP): Modernized and standardized in-ground wired IT transmission hardware (i.e., high-capacity fiber-optic cabling)
- Facilities/Inside Plant (ISP): Upgraded facility infrastructure (i.e., power, HVAC) to support dedicated user connections.
- Non-classified Internet Protocol Router (NIPR) ICAN: Upgrade network capacity from 1 to 10/40/100 GB (e.g., switches, routers, racks)
- Secret Internet Protocol Router (SIPR) network: enable secure communications
- Voice: Modernize telephone systems (replacing end-of-life Time Division Multiplexing systems) and enable Internet Protocol (IP)-based phone systems

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	Tech Control Facilities	ACC-RI	GSA OASIS Contract	FY21	TBD	$6.8M	Tech Control Facilities
541330	Ansbach Community	ACC-RI	NETMOD Order	FY21	TBD	$11M	SIPR/NIPR ICAN
541330	Europe infrastructure Modernization CAPSET	ACC-RI	TBD	FY21	TBD	$TBD	Europe infrastructure Modernization CAPSET

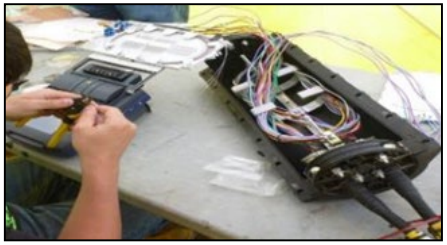
Project Office Networks

Capabilities:

- Upgrade Core Routers to 10Gb/s (capable of supporting 100 Gb/s) 10 Gb/s across B/P/C/S: DISA router to End User Building (where possible)
- Reduce number of Entry/Exit points to NIPRNET, from 435 points in CONUS to less than 20 globally
- Move to Single Network - Consolidate 30+ Army networks
- Standardize configuration of Army Installation Campus Area Networks

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
334111	World Wide Buy #5: PdM I3MP seeks to procure hardware to continue efforts that will deliver new network capabilities and modernize the Army Installation Campus Area Network (ICAN) as part of the next evolution of the Network Modernization CONUS and OCONUS Program.	ACC-RI	ITES-3H	Q1 2021	Q1 2021	$60M-$90M	No
541519	NETMOD GSA MAS: Network engineering and program management support services to the USA I3MP that are necessary for the successful engineering, installation, configuration, testing and support of the network modernization initiative.	ACC-RI	GSA MAS	Q1 2021	Q2 2021	$10M-$20M	Yes
541519	NETMOD 2.0: Network engineering and program management support services to the USA I3MP that are necessary for the successful engineering, installation, configuration, testing and support of the network modernization initiative.	ACC-RI	TBD	Q4 2021	Q1 2022	$50M - $70M	No

Project Office Networks



Capabilities:

- **Transport/OSP portfolio** includes the facilities and fiber to allow all services and information to connect to and transverse throughout the network.
- **Facilities portfolio** includes the infrastructure required to provide the reliability, resiliency, and network service requirements.

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541519	OSP CAPSET: Engineer, Furnish, Install, Secure, and Test (EFIS&T), and document a turn-key solution to modernize the United States Government (USG) Outside Plant (OSP) distribution systems.	ACC-RI	TBD	4Q 2021	Q1 2022	$250M - $500M	No

Project Office Voice Modernization (VMOD)

Capabilities:

- **Time Division Multiplexing (TDM)** includes the decommissioning of old legacy systems to newer technologies
- Connection to DISA's Enterprise VoIP architecture
- **VoIP capabilities** includes Integrated Access Device (IAD) capability to connect non-IP based devices

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
334111	VoIP EI: PdM I3MP seeks to procure Voice over Internet Protocol (VoIP) End Instruments (EIs) to support upgrading and modernizing the Army installations within the Department of Defense (DOD)	ACC-RI	ITES-3H	Q1 2021	Q2 2021	$30M- $45M	No

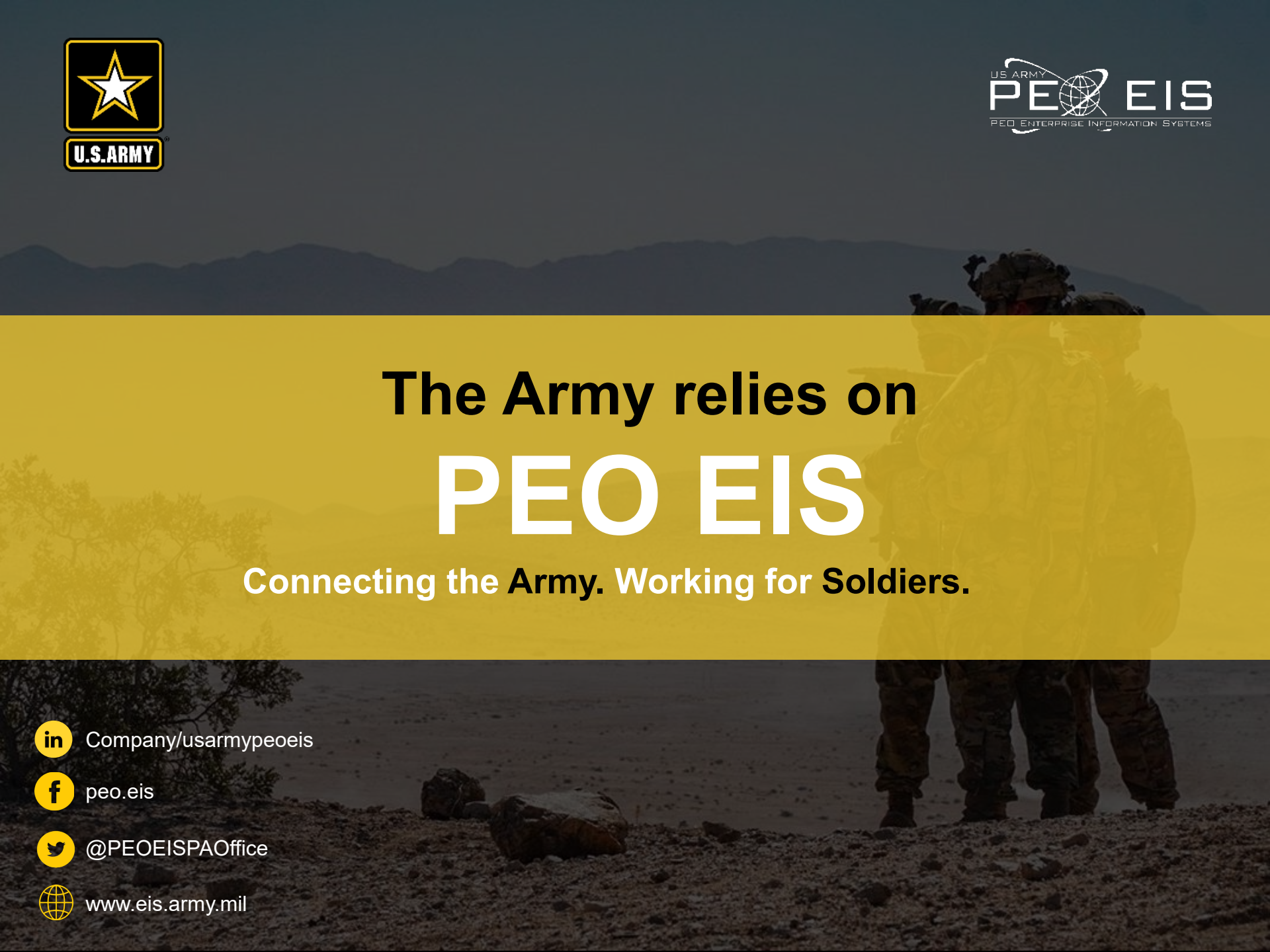
Future Directions

- Pause & Pivot on Voice Modernization
- Synthetic Training Environment (STE) readiness & impacts to the network
- Enterprise Information Technology as a Service (EITaaS)
- Commercial Solutions for Classified (CSfC)

Where we need your assistance

- Role of OEM and Prime Contractor are defined properly
- How can we leverage emerging technologies?
- How can we optimize our current IT infrastructure?
- Deliver reliable, sustainable and cost-effective capabilities to our Soldiers to win the next fight
  - “What got [us] here won’t get us [there]”
  - We owe it to them to deliver the best capability possible
- Feedback on RFIs is critical to improve our processes and final solicitation
- Accurate timeline assessments for RFPs
- Understanding how COVID-19 has impacted your business
- How would you like to see the Army do holistic modernization?
- How would you do voice modernization in the Army?

Questions?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