



Product Manager Power Projection Enablers (PdM P2E) Breakout Session AFCEA Belvoir Industry Days

PdM P2E

Mr. Tom Dunaway

Nov. 4, 2021



Agenda

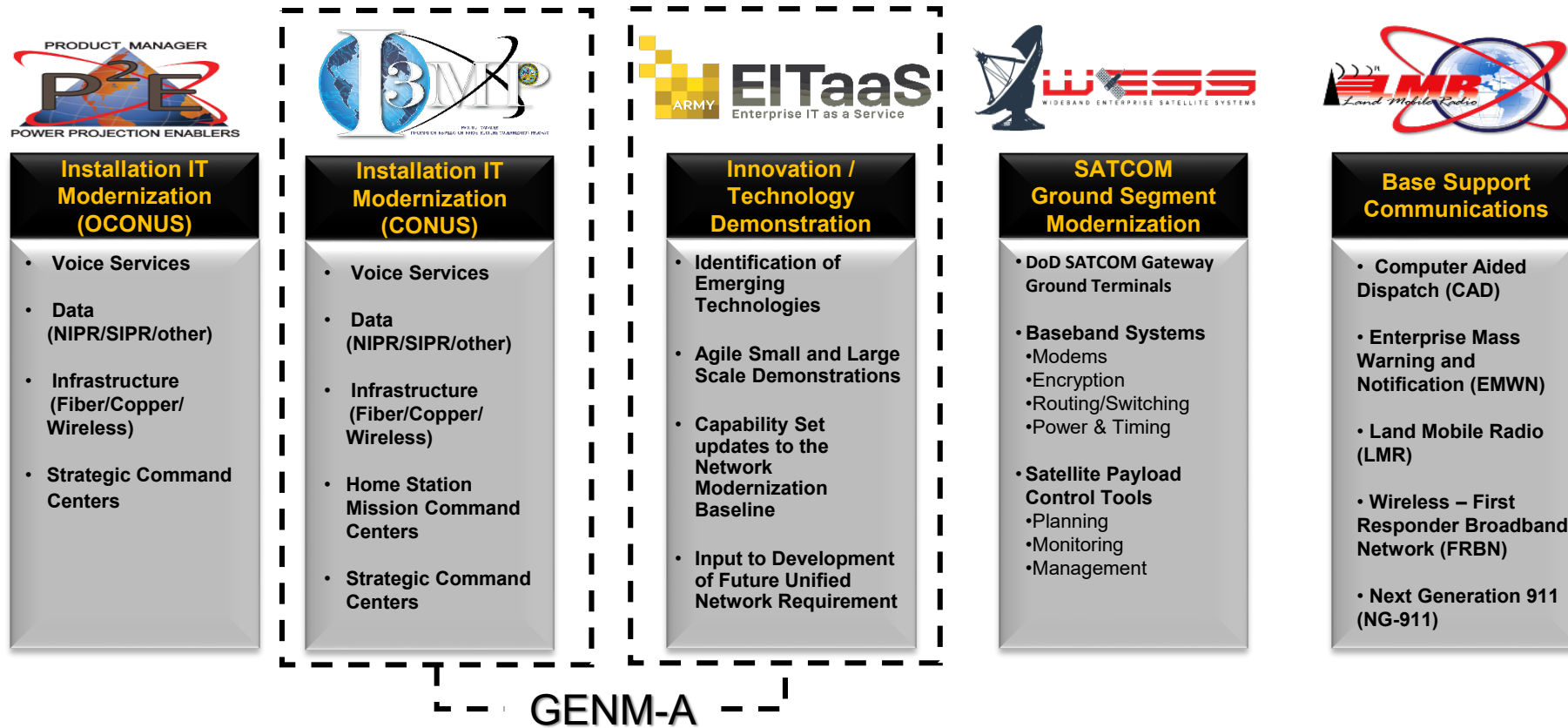
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PM DCATS Overview



Enabling information dominance from the tactical edge to the home station for the Army, Department of Defense, and international partners by acquiring, implementing and sustaining strategic satellite and terrestrial communication systems




THE ARMY'S ENTERPRISE NETWORK LIFE CYCLE MANAGER



PdM P2E Leadership Team



 Military

 Civilian

PdM P2E (CSL)

Mr. Tom Dunaway
Product Manager



Ms. Toni Freeland
Deputy Product Manager



Europe
Project Office

Mr. Cary Ferguson
Director



Pacific
Project Office

Mr. Tim Green
Director



Southwest Asia
Project Office

Mr. Scott Ervin
Director



Acquisition Management
Directorate

Mr. Mark Broughton
Director

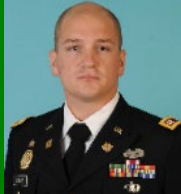


Program Management
Directorate

Mr. Mark Smith
Director (Acting)



MAJ Chris Biddie
APM Europe



MAJ Deems McKee
APM Pacific



Vacant
APM SWA



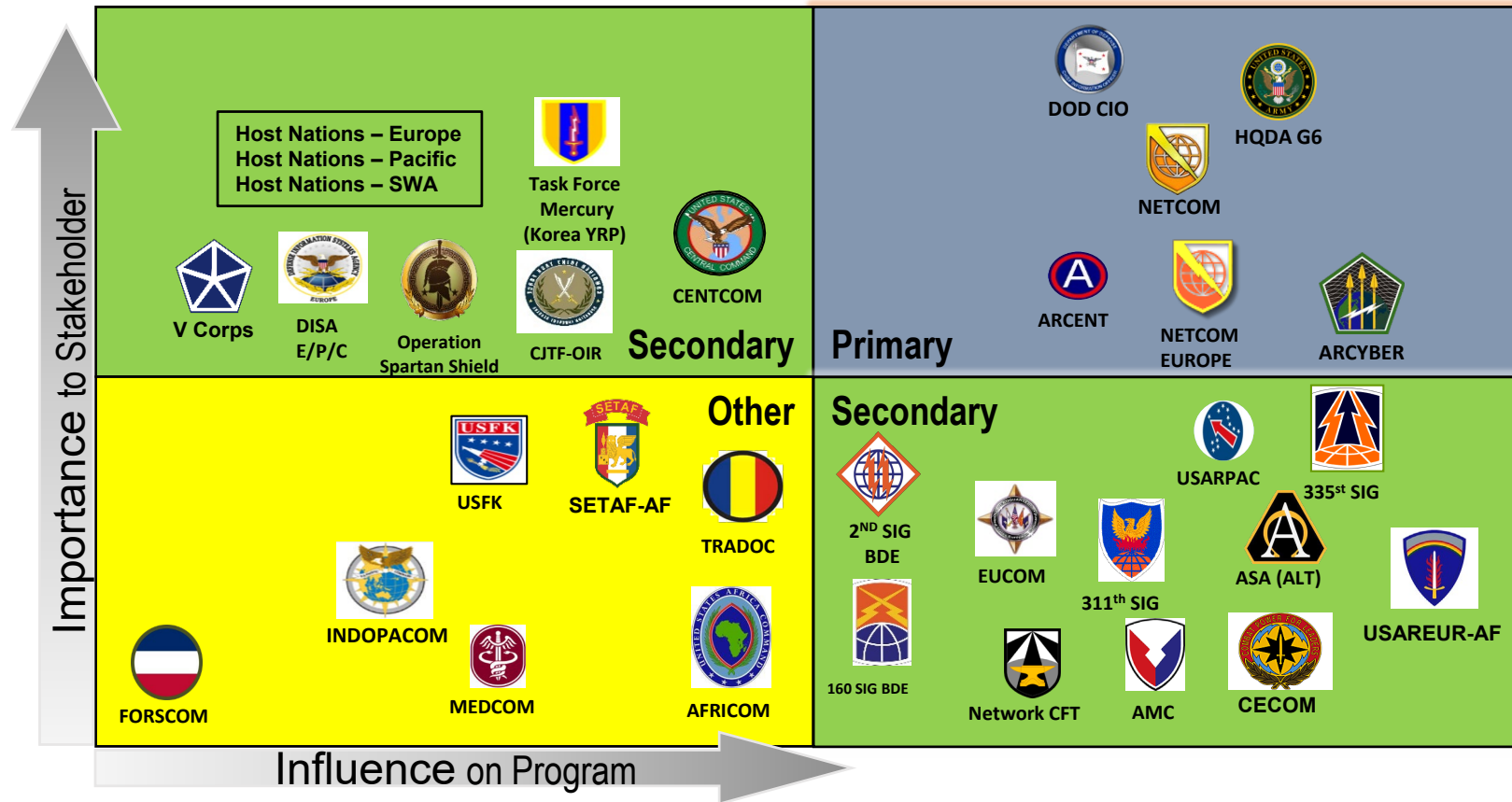
Technical Management
Directorate

Mr. Jean Anicet
Director (Acting)





P2E Stakeholder Power Grid



- Continual engagement with all Stakeholders in multiple recurring Theater Deep Dives, Theater Synchronization Reviews (TSR), Theater Requirements Validation Boards (TRVB), TSR Integration Board (TIB) (annual, semi-annual, and quarterly)
- Additionally, we have more in-depth working groups, IPTs, and status reviews at the APM / Action Officer level on a monthly or weekly basis.



P2E Capabilities



Capability	Result
Outside Plant (OSP) Modernization	<p>Connecting buildings to main nodes: Trenching, digging, laying conduit, and installing fiber and copper to connect network devices on a P/C/S (LCR 20 years)</p>
Inside Plant (ISP) Modernization	<p>Required upgrades inside buildings: Installation/Modernization of Power/Grounding, UPS, Generators, HVAC, Racks, Building Fiber Wiring, Communications Shelters (LCR 20 years)</p>
Network Modernization (NETMOD)	<p>Communications backbone for P/C/S: Installation and configuration of network switches to provide NIPR and SIPR capabilities to Army P/C/S; Upgrade capacity & increase security; Edge Access Switches, Area Core Switches, Area Distribution Switches, Collection Routers, Layer 2 Bridging Switches (LCR 7 years)</p>
Voice Modernization (VMOD)	<p>Soft Client + Hard Client / TDM Decommissioning Modernizing P/C/S voice infrastructure; divestiture of legacy technology (TDM's); implement critical infrastructure for base services (emergency; elevators; etc.) (LCR 7 years)</p>
Tech Control Facilities (TCF's)	<p>Serves as the conduit between the DISN WAN and the ICAN; hosts DISA PoPs, JRSS, NEC JB-CE Routers; legacy TLA's, and commercial PoP</p>
Strategic Command Centers (SCC)	<p>Provides core Command, Control, Communications, and Computers (C4) infrastructure for Joint, Coalition and Interagency C4 capabilities at Army and Army supported command centers</p>
Commercial Solutions for Classified (CSfC) / Virtual Desktop Infrastructure (VDI) / Multiple Independent Levels of Security (MILS)	<p>Agile access to classified networks: Reduce cybersecurity attack surface for classified networks; Divest of High Assurance Internet Protocol Encryptor (HAIPE) devices; Remove/Reduce legacy technologies that introduce constraints and points of failure for large segments of the current network</p>

***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 Contracting Strategy



Description	Directorate	Contracting Office	Vehicle Contract / Method	Estimated Award	Estimated Contract Value	Small Business Set Aside?
Europe (EUR) Network & Infrastructure Modernization Capability Set	P2E Europe	ACC-RI	CHESS ITES 3S	3QFY22	\$300M	No
Pacific (PAC) Network & Infrastructure Modernization Capability Set	P2E Pacific	ACC-RI	CHESS ITES 3S	3QFY22	\$300M	No
Southwest Asia (SWA) Network & Infrastructure Modernization Capability Set	P2E SWA	ACC-RI	TBD	3QFY23	\$150M-\$250M	No



CAPSET Contract Overview



- P2E Capability Set (CAPSET) contracts afford P2E the opportunity to be flexible and agile as we deliver critical capabilities to Combatant Commands, Army Service Component Commands, and other government agencies within the Europe, Pacific, and Southwest Asia Theaters of Operation
- CLINs may include:
 - Survey, Engineering, Furnish, Installation, Securing, & Testing (EFIS&T)
 - Telecommunications Room (TR) Modernization
 - Inside Plant (ISP) Modernization
 - Outside Plant (OSP) Modernization
 - Audio Visual/Video Telecommunications (AV/VTC)
 - Network Modernization (NIPR/SIPR NETMOD)
 - Voice Modernization (VMOD)
 - Wireless



CAPSET Contract Benefits



- P2E Capability Set (CAPSET) contract benefits:
 - Streamlined acquisition process
 - ✓ Traditional acquisition = 9-12 months
 - ✓ CAPSET contract acquisition = 2-4 weeks
 - Ability to obligate funds and initiate projects quickly
 - Multi-year contract with a broad scope that addresses critical infrastructure and network modernization requirements across the entire theater of operations (Europe; Pacific; South West Asia)
 - Supports validation and definition of customer requirements through initial site survey assessments; supports engineering and best business practice justification of unfunded requests
 - Ability to use of both OPA and OMA funding within acquisition thresholds (some cases)



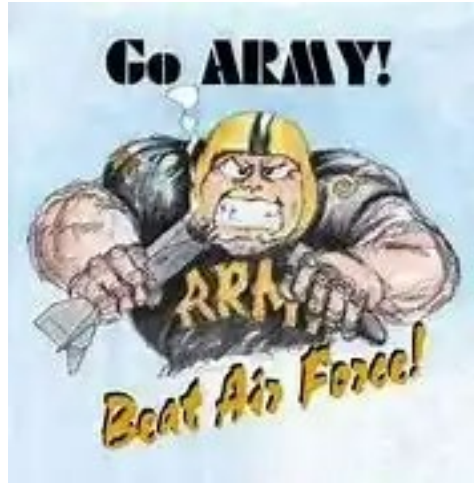
Path Forward



- Award flexible contracts that align to network lifecycle modernization strategy beginning in FY22
 - ✓ Agile scope that accounts for new Capability Set inserts
- Enterprise Information Technology as a Service (EITaaS)
- Voice Modernization IAW future Army Enterprise Solution
- Commercial Solutions for Classified (CSfC)
- **FSA: Product Manager, Power Projection Enablers re-brands to Global Enterprise Network Modernization – OCONUS (GENM-O) ~2QFY22**



Open Discussion





PdM P2E Leadership Points of Contact





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Mr. Jean Anicet	Technical Management Director (Acting)	jean.anicet.civ@army.mil	571-355-1436
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The Army relies on PEOEIS

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Where Industry Can Help



- 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
- Your feedback on our RFIs is critical to improve our processes and the final solicitation
- Accurate timeline assessments for RFPs
- Understand how to operate in OCONUS locations (P2E)
- How can we be more innovative in terms of how we implement Network Modernization?



Network Modernization



Multi Domain Operations by 2028
 Joint All Domain Command and Control
 Mission Command from Afar
 Synthetic Training Environment

Modern / MDO-capable Communication Architecture

- WiFi
 - Wireless Access Points
 - 5G
- Network Switches
 - 10 Gb → 40/100 Gb
 - SDN capable
- SIPR Regionalization
 - Commercial Solutions for Classified

Infrastructure Upgrades

- Trenching
- Copper → Fiber
- HVAC
- Wiring
- Racks
- Back-up Generators
- Plant Maintenance
- Assured Power

Infrastructure Upgrades are foundational to Multi-Domain Operations in a Unified Network



Voice Modernization



Direction: Halt Voice Modernization (VMOD) pending the development of a holistic plan (FY 21 G6 Priorities Memo)

Intent: Do not continue status quo of 100% of hard phones on desks

Decisions:

- ✓ **Decommission TDMs**
- ✓ **VoIP on all Army Bases**
 - **Planning estimate:**
 - 80% Soft Clients on computers
 - 20% Hard Clients for base services / VIPs

Running Estimates:

- **Select soft client options**
 - A365 Teams with Business Voice
 - Jabber (Cisco)
 - Avaya
- **% and locations of hard clients**

Requires:

- **Architecture design with NETCOM / G6**
- **Soft client sustainment cost assumption (NETCOM)**
- **E911 Risk acceptance (NETCOM)**
- **Policy / regulation updates based on VMOD decision (G6 / NETCOM)**

Assumptions:

- **VOIP Regionalization**
- **Cloud services where feasible**
- **O&M costs higher for soft client**
- **Critical infrastructure receives phones for emergency and base services**

PEO EIS READY TO RESTRUCTURE VMOD USING LESSONS LEARNED FROM SOFT-CLIENT EARLY ADOPTER SITES (LEE & JACKSON).