Installation Information Infrastructure Modernization Program (I3MP)

Power Projection Enablers (P2E)

AFCEA BELVOIR INDUSTRY DAY
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Agenda

- IT Infrastructure Modernization Capabilities

- Global Presence

- PdMs P2E & I3MP Leadership

- Network Infrastructure Modernization Steps

- P2E Capabilities

- I3MP Project Offices

- Where We Need Your Assistance

IT Infrastructure Modernization Capabilities

MISSION: *Enable the Warfighter* through information technology, infrastructure modernization, and life cycle management of the Army's Installation Campus Area (Voice, Video & Data) Networks, and strategic Command Centers across the Army.

Command Centers (CC)

Home Station Mission Command Center (HSMCC) suites provide Theater, Corps, and Division Headquarters with real-time audio-visual capabilities to execute combat and peace-time operations.

Strategic Command Centers (SCC) provide national-level command authorities and Combatant Commands (COCOMs) with the core C4I infrastructure for Joint, Coalition & Interagency capabilities.

Time Division Multiplexing (TDM)/Circuits

Optimizes network circuits, removes antiquated telephone systems, and establishes conditions for Voice over Internet Protocol (VoIP) capabilities.

Networks

Improves network reliability, accessibility, and security by replacing slower, outdated network routers and switches with newer, faster, and more capable equipment.

Infrastructure

Replaces outdated copper wire with high-capacity fiber that enables increased network capacity and reliability. Also includes improvements to power and environmental systems (e.g., HVAC).
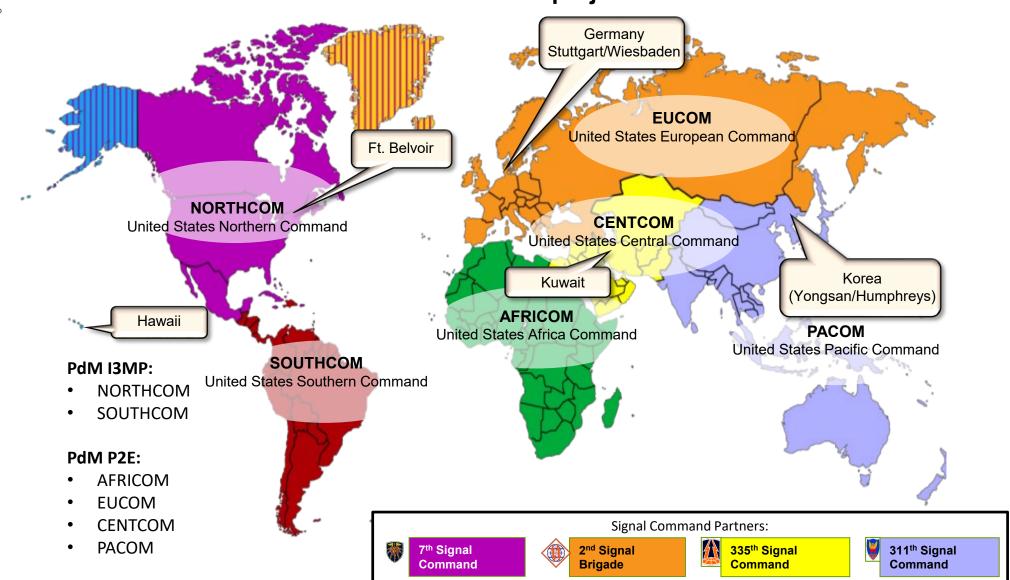
Global Presence

I3MP funded 44 IT infrastructure modernization projects in FY18

Germany
Stuttgart/Wiesbaden

EUCOM
United States European Command

Ft. Belvoir

NORTHCOM
United States Northern Command

CENTCOM
United States Central Command

Kuwait

Korea
(Yongsan/Humphreys)

Hawaii

AFRICOM
United States Africa Command

PACOM
United States Pacific Command

SOUTHCOM
United States Southern Command

PdM I3MP:
- NORTHCOM
- SOUTHCOM

PdM P2E:
- AFRICOM
- EUCOM
- CENTCOM
- PACOM

Signal Command Partners:

	7th Signal Command		2nd Signal Brigade		335th Signal Command		311th Signal Command

PdM P2E Leadership

LEGEND
- Military
- Govt Civ.

Product Manager

LTC Howard Donaldson

Program Management Director

Tony Moles

Deputy Product Manager

Hector Acosta

Technical Management Director

Vacant

Acting PAC Director

Tony Moles

EUR Director

Thomas Dunaway

SWA Director

Scott Ervin

APM PAC

MAJ Walter Zurkowsky

APM EUR

MAJ Juan Carleton

APM SWA

MAJ Lonnie Jordan

APM Transport
George Bencivengo
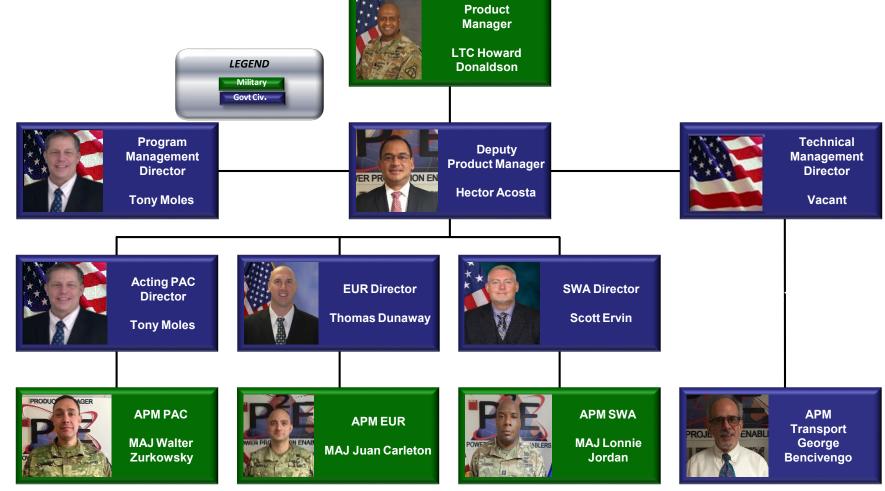
PdM I3MP Leadership

Product Manager
Mr. Victor Hernandez

Deputy Product Manager
Mr. Tom Olson

Product Office Infrastructure

- Outside Plant
- Inside Plant
- Facilities

Product Office Networks

- Installation Campus Area Network - Design & Implementation
- High Capacity Routers & Switches

Product Office Time Division Multiplexing (TDM) /Circuits

- Decommission Legacy Voice Systems
- Global Transport Engineering Support

Product Office Command Centers

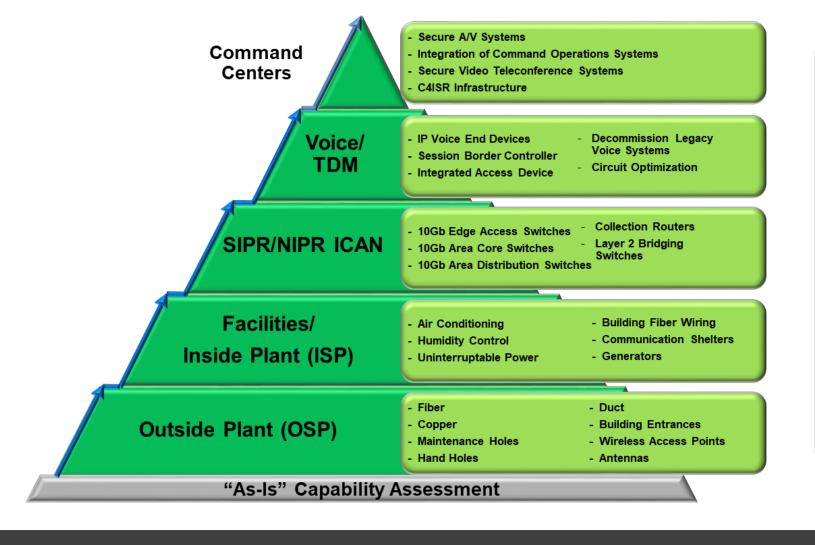- Home-Station Mission Command Centers
- Strategic Command Centers

Network Infrastructure Modernization Steps

Army's Integrated Enterprise Network: Assured, Available, Reliable and Resilient

Command Centers
- Secure A/V Systems
- Integration of Command Operations Systems
- Secure Video Teleconference Systems
- C4ISR Infrastructure

Voice/ TDM
- IP Voice End Devices
- Session Border Controller
- Integrated Access Device
- Decommission Legacy Voice Systems
- Circuit Optimization

SIPR/NIPR ICAN
- 10Gb Edge Access Switches
- 10Gb Area Core Switches
- 10Gb Area Distribution Switches
- Collection Routers
- Layer 2 Bridging Switches

Facilities/ Inside Plant (ISP)
- Air Conditioning
- Humidity Control
- Uninterruptable Power
- Building Fiber Wiring
- Communication Shelters
- Generators

Outside Plant (OSP)
- Fiber
- Copper
- Maintenance Holes
- Hand Holes
- Duct
- Building Entrances
- Wireless Access Points
- Antennas

"As-Is" Capability Assessment

Anticipated Refresh Lifecycle
- 7-year lifecycle
- CONUS: 13 sites/ year

- 7-year lifecycle
- CONUS: 13 sites/ year

- 20-year lifecycle
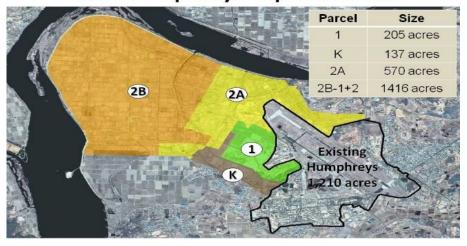- CONUS: 4-5 sites/ year

- 20-year lifecycle
- CONUS: 4-5 sites/ year

P2E Pacific Capabilities

USAG-Humphreys Expansion Plan

Parcel	Size
1	205 acres
K	137 acres
2A	570 acres
2B-1+2	1416 acres

Existing Humphreys 1,210 acres

Capabilities:

- Standardize installation campus area networks in the Pacific

- Voice, transport, core and distribution networks

- ISP-Active infrastructure supporting NIPRNet, SIPRNet,

- C4I interoperability between USAG-H and elements in Seoul

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	Pacific OSP/ISP/Facilities Infrastructure Capability Set	ACC-RI	TBD	3Q 2019	4Q 2019	$ <100M	
423430	NETMOD-PAC Edge Access Switch Facilities Remediation	FFP	TBD	TBD	TBD	$ <25m	

P2E Southwest-Asia Capabilities

Capabilities:

- Engineer, furnish, install, secure, and test common, standardized, and interoperable operation center enabling: reach-back and forward support; tactical Mission Command; and Coalition/Joint operations

- ISP/OSP

- Strategic Command Centers

- Mobile TCFs

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
	Tech Control Facility Refresh	ACC-RI	FFP	Q3 2019	Q3 2019	$ >4M	
541330	Al Asad Airbase Outside Plant / Inside Plant (OSP/ISP)	ACC-RI	FFP	Q3 2019	Q3 2019	$ >2.1M	

P2E Europe Capabilities

Capabilities:

• Enable Europe a gateway to modernization and expansion, including but not limited to Telecommunication Room (TR) modernization, Inside Plant (ISP), Outside Plant (OSP), and NIPR/SIPR ICAN modernization

• Information Systems Network Installation Campus Area Network Design and Implementation (DISN ICAN-DI)

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
423430	NETMOD Worldwide Equipment Procurement	ACC-RI	ITES 3H	Q3 2019	Q3 2019	$ <50M	

Product Office Infrastructure

Capabilities:

- Increase network reliability

- Increase network bandwidth

- Provide reliable power and environment conditions for network equipment

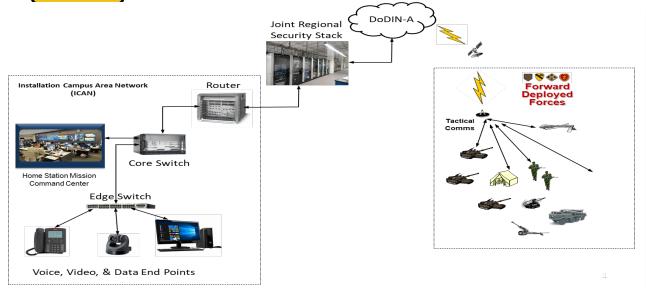- Combines and distributes circuits on Army installations

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	Technical Control Facility (TCF) Relocation & Upgrade (Camp Roberts)	ACC-RI	NETCENTS-2 Fair Opportunity	TBD	FY20	TBD	No
TBD	Outside Plant (OSP) Capability Set	ACC-RI	NETCENTS-2 Fair Opportunity	Q4 2019	Q2 2020	$357,000,000	No

Product Office Networks

Capabilities:

- Upgrade Core Routers to 10Gb/s

- Reduce data Entry/Exit points network, from 435 points in CONUS to less than 20 Globally

- Move to a Single Network

- Standardize Army Installation Networks

- Improve satisfying organization

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330 541611	Program Management Support/Systems Engineering and Technical Assistance	ACC-RI	GWAC Fair Opportunity	Q1 2020	Q1 2020	$48,000,000	No
TBD	Network Modernization (NETMOD 2.0) Survey, Engineer, Implementation (SEI)	ACC-RI	ITES-3S	Q1 2020	Q2 2020	TBD	No

Product Office TDM/Circuits

Time Division Multiplexing (TDM) Decommissioning:
Optimizes network circuits, removes antiquated telephone systems, and establishes conditions for Voice of Internet Protocol (VoIP) capabilities.

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541330	Voice over Internet Protocol (VoIP) systems and decommissioning legacy Time Division Multiplexing (TDM) voice systems for multiple CONUS sites	ACC-RI	NETCENTS-2 Fair Opportunity	Q2 2019	Q1 2020	$276,000,000	No

Product Office Command Centers

Capabilities:

Home Station Mission Command Center (HSMCC) suites provide Theater, Corps, and Division Headquarters with real-time audio-visual capabilities to execute combat and peace-time operations.

Strategic Command Centers (SCC) provide national-level command authorities and Combatant Commands (COCOMs) with the core C4I infrastructure for Joint, Coalition & Interagency capabilities.

NAICS	Description	Contract Office	Vehicle Contract/ Method	FY of Solicitation	Est. Award	Est. Contract Value	Small Business Set aside?
541512 541519	Strategic Command Centers - SOUTHCOM	ACC-RI	GSA Alliant 2 and GSA Small Business	Q3 2019	Q4 2019	$4,500,000	No

Where We Need Your Assistance

- 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

- Early feedback on RFIs

- Are we giving you enough time for RFPs?

Questions?