Army IT - The Future and Beyond Industry Day 2019

Mr. Victor Hernandez, I3MP PdM
Mr. Hector Acosta, P2E Deputy PdM

11 December 2019

Distribution Statement A. UNCLASSIFIED//approved for public release

Agenda

- **Welcome** – *Introductions, Administrative & Agenda Overview*
  - DCATS Deputy Project Manager, Mr. Aric Sherwood
  - Product Manager, Mr. Victor Hernandez

- **Fiscal Year (FY) 20 Opportunities**

- **Future Opportunities**

- **Army Contracting Command – Rock Island**

- **Closing Remarks**

Mission

Installation Information Infrastructure Modernization Program (I3MP) Mission Statement

Enables the Warfighter through information technology, infrastructure modernization (inside plant, outside plant, network switch upgrades, and voice modernization) and life cycle management of the Army's Installation Campus Area Networks, and strategic Command Centers across the Army.

Vision

This Industry Day presents an opportunity for I3MP to provide a transparent open discussion of current contract support requirements and future opportunities.

Notional information is provided for long term opportunities for general planning purposes.
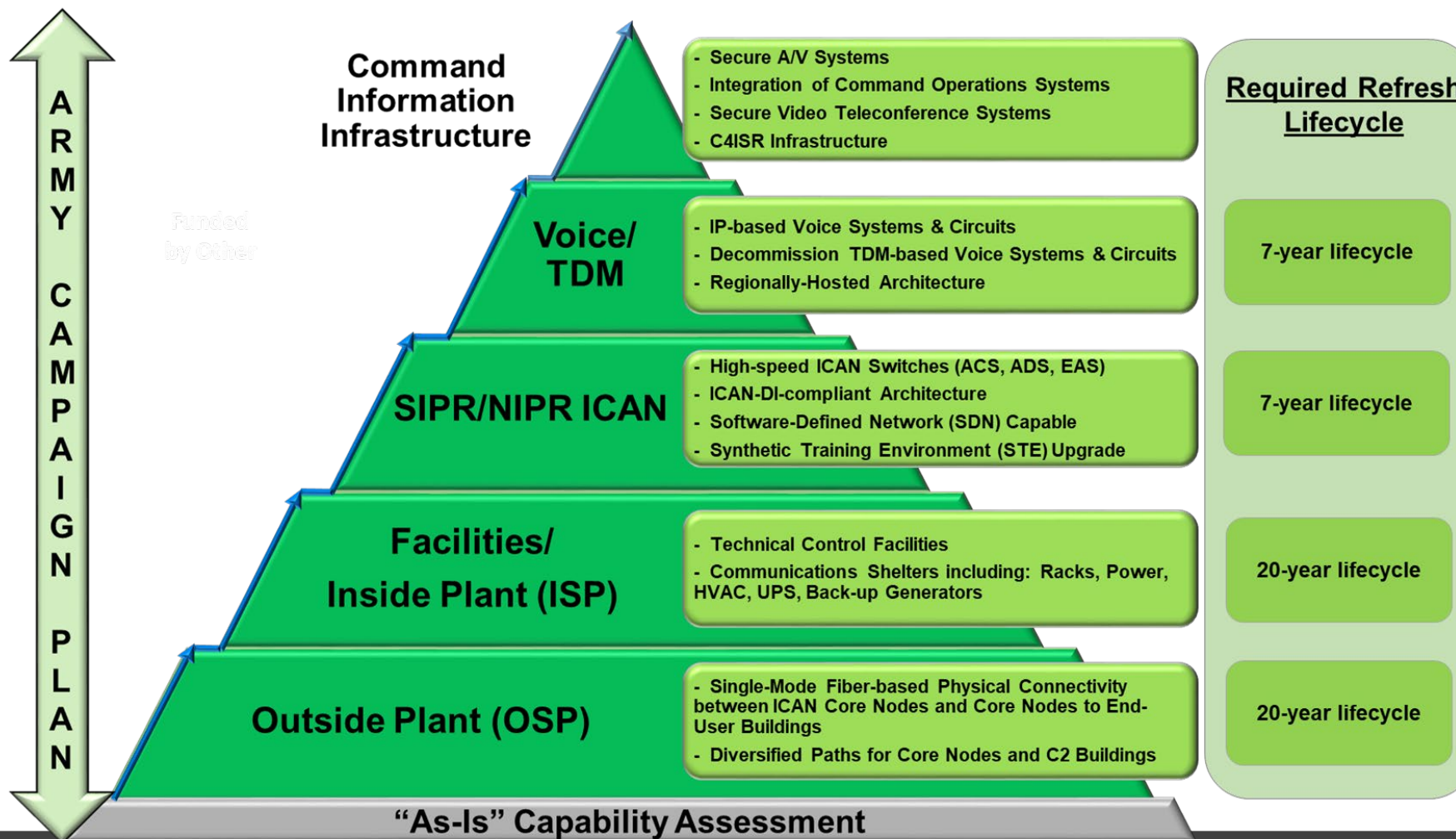
Purpose & Intent

- Encourage exchange and dialogue increasing the value of partnership

- Innovations, solutions, lessons learned and good ideas are welcome

- Designed to inform and educate about I3MP's mission & requirements

- Timely, adequate, predictable & sustainable funding enables our programs to operate more efficiently

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

Network Infrastructure Modernization Steps

ARMY CAMPAIGN PLAN

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

Voice/TDM
- IP-based Voice Systems & Circuits
- Decommission TDM-based Voice Systems & Circuits
- Regionally-Hosted Architecture

SIPR/NIPR ICAN
- High-speed ICAN Switches (ACS, ADS, EAS)
- ICAN-DI-compliant Architecture
- Software-Defined Network (SDN) Capable
- Synthetic Training Environment (STE) Upgrade

Facilities/Inside Plant (ISP)
- Technical Control Facilities
- Communications Shelters including: Racks, Power, HVAC, UPS, Back-up Generators

Outside Plant (OSP)
- Single-Mode Fiber-based Physical Connectivity between ICAN Core Nodes and Core Nodes to End-User Buildings
- Diversified Paths for Core Nodes and C2 Buildings

Required Refresh Lifecycle

Tier	Lifecycle
Voice/TDM	7-year lifecycle
SIPR/NIPR ICAN	7-year lifecycle
Facilities/Inside Plant (ISP)	20-year lifecycle
Outside Plant (OSP)	20-year lifecycle

Funded by Other

"As-Is" Capability Assessment

I3MP Leadership

Product Manager
Mr. Victor Hernandez

Deputy Product Manager
Charles Cole

Product Office Infrastructure/Networks

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

Product Office TDM/Circuits

Alberto Dominguez
- Decommission Legacy Voice Systems
- Global Transport Engineering Support

Product Office Command Centers

Toni Freeland
- Home-Station Mission Command Centers
- Strategic Command Centers

Program Management Division

James King
- Administrative Operations
- Knowledge Management/ Business Processes
- Strategic Communication

Budget Management Division

VACANT
- Program Management
- Budget Execution

Technical Management Division

Thuan Phan (Acting Director)
- Technical support for technology projects, products and systems to PdM I3MP

I3MP & P2E FY20 Opportunities

- **I3MP Program Management Support (PMO)** – Ms. Lynn Sims, Acquisition Manager

- **NETMOD 2.0** – Mr. Kevin Chinn, Product Officer Networks and Infrastructure

- **Voice Modernization** – Mr. Thuan Phan, Acting Technical Management Division (TMD)

- **Camp Roberts Tech Control Facility (TCF)** – Ms. Toni Freeland, Product Officer Command Centers

- **National Military Command Center** – Raven Rock (NMCC-R) - Ms. Toni Freeland

- **P2E PMO Support** – Mr. Hector Acosta, Deputy Product Manager P2E

- **Command Operations Intelligence Centers (COIC) Walls & Conference Rooms for SWA** – Ms. Sophia Williams, IPT Lead SWA

I3MP Program Management Support
Ms. Lynn Sims

Highlights:

- Objective: Provide Scientific, Engineering, Technical and Advisory services to I3MP

- Acquisition Strategy: Will be competed under Information Technology Enterprise Solutions-3 Services (ITES-3S), as a Total Small Business Set-aside

- Period Of Performance: Base Year is May 2020 – May 2021 and 4 one-year options

- Price Range: $85M – $110M

- Scope: Business Process Reengineering (BPR), Enterprise Design and Information Technology (IT) support, Integrated Logistics Support (ILS) and General Program support

- Key Personnel and adhoc expertise to meet critical needs of the Army

- Expected RFP Release: December/January FY20

- Expected Award Date: June FY20

NETMOD 2.0
Mr. Kevin Chinn

Highlights:

- Objectives: Survey, Engineering & Implementation modernization for CONUS Installation Campus Area Network (ICAN) post-Joint regional Security Stack (JRSS) migration.

- Acquisition Strategy: TBD

- Period of Performance: Base Year plus 6 one-year options

- Price Range: $30M - $60M

- Scope: Network architect, Network Engineer, Network Technicians, Project Manager, Project Leads, Logistics, Scheduler.

- Key Drivers: New Requirements (Synthetic Training Environment (STE), Software Defined Network (SDN), SIPR)

- Expected RFI Release: January FY20

- Expected RFP Release: March FY20

- Expected Award Date: October FY21

Assumptions NETMOD-C 2.0

- Site migrated to JRSS under NETMOD-C 1.0

- NEC/DOIM completed post-NETMOD-C 1.0 clean-up actions
  - Standardized VLANs IAW ICAN-DI
  - Old equipment removed
  - All route points moved
  - Reuse/upgrade existing JB-CE routers

- NEW: Upgrade to support 40/100GbE

- NEW: SEI dual uplinks and path diversity for C2 and 1st Responders

- NEW: ORGNETS convergence where possible

- NEW: Impact of Synthetic Training Environment (STE) requirements

- NEW: Impact of Software Defined Network (SDN)

Emerging Requirements – Synthetic Training Environment (STE)

- Synthetic Training Environment (STE) – Multiple LOEs and capabilities
- What is STE?
  - STE replicates Operational Environment (OE) to achieve training objectives
  - Live training systems interact with STE
  - Next Generation expands training of large-scale Force on Force

- STE Capabilities
  - Training Simulation Software (TSS)
  - Training Management Tool (TMT)
  - Reconfigurable Virtual Combat Trainer (RVCT)
  - Integrated Visual Augmentation System (IVAS)
  - One World Terrain (OWT) - Bathymetry, Terrain, Models and GIS data

- ***STE network provides collective training at point of need through alignment of infrastructure, architecture, services, and sustainment.***

- ***STE will require upgrades to ICAN, IPN, Virtual hosting and Cloud Services, DoDIN-A, and new wireless capabilities (5G, NextGen WiFi).***

Emerging Requirements – Software Defined Networking (SDN)

- **Software Defined Networking (SDN) - Conceptual Model or Architecture**
  - Centralized control and workflow automation forming a unified network fabric
  - Separation of Control and Data planes with network controllers to automate traffic flows

- **Control Plane models: Centralized, Hierarchical, or Distributed**
  - Data Centers and Wide Area Networks (WAN) more suited to Centralized or Distributed models
  - Software Defined – Local Area Network (SD-LAN) solution that implements Hierarchical Control Plane model
  - SD-LAN solution MUST provide centralized Orchestration, Workflow Automation, Management and Telemetry Toolset

- **SDN Orchestration and Management**
  - MUST centralize management and integrate with existing management tools
  - MUST automate provisioning of network elements and services
  - MUST provide the ability Zero-Touch Provisioning (ZTP) of Network Devices

- **Impact to Army**
  - Requires ICAN-DI architecture changes
  - Define workflow automation and orchestration rule sets and templates
  - New skill sets (network scripting/programming)
  - Concept of Operations for Army Enterprise
  - Structural changes in operations and maintenance practices/human capital

Voice Modernization CapSet
Mr. Thuan Phan

Highlights:

- Objectives: To accelerate the deployment of IP-based voice communication capabilities and systems to replace and decommission legacy TDM-based voice equipment.

- Scope: Est. (73) Army B/P/C/S in CONUS

- Acquisition Strategy: IDIQ, Multi-award

- Period of Performance: Base Year is and 6 one-year options

- Price Range: TBD

- Key Drivers: Enterprise Architecture and Integration, Standardization, Regionally-Hosted Services, Alignment with MPLS Transport Backbone, Effective and Efficient O&M, LCR

- Expected RFI Release: March FY20

- Expected RFP Release: June FY20

- Expected Award Date: April FY21

Voice Modernization CapSet (Cont.)

Strategies

- Army-owned individual VoIP system at each B/P/C/S

- Army-owned Parent-Child framework (aligned to RNEC and Power-Projection Platform installations)

- Army-owned Regional Hosting Sites (aligned with JRSS sites)

- DISA-owned EVoIP

Camp Roberts TCF
Ms. Toni Freeland

Highlights:

- Objectives: Replace existing TCF at Camp Roberts in a new building, replicating the current TCF but providing a technical refresh of all the equipment. Implementation strategy consists of Engineering, Furnish, Install, Secure and Test (EFIS&T) the new TCF to support the entities that reside within the facility.

- Scope: Engineering, Furnish, Install, Secure and Test new TCF and decommission old TCF

- Acquisition Strategy: Competitive on ITES-3S – Small Business Set-Aside

- Period of Performance: 24 Months

- Price Range: $10M – $15M

- Expected RFP Release: March 2020

- Expected Award Date: June 2020

NMCC-R
Ms. Toni Freeland

Highlights:

- Objectives: Strategy consists of Engineering, Furnish, Install, Secure and Test (EFIS&T) for command center type rooms.

- Scope: Engineering, Furnish, Install, Secure and Test

- Acquisition Strategy: TBD

- Period of Performance: Not to Exceed 36 Months

- Price Range: $5M - $8M

- Expected RFP Release: February 2020

- Expected Award Date: June 2020

*Note:
- Top Secret Location
- There will be a Site Visit scheduled a few weeks after the Request for Proposal (RFP) is released.

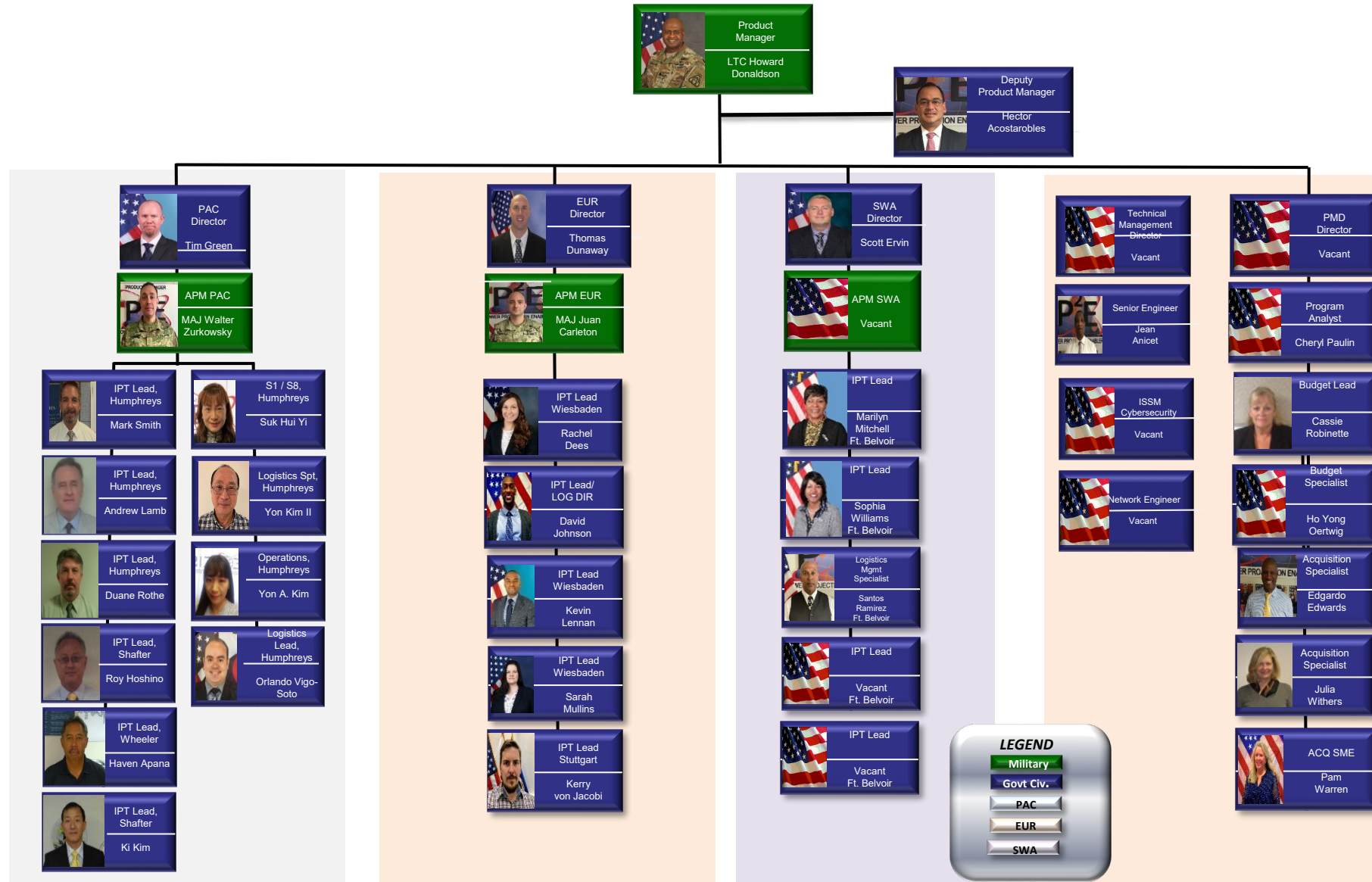*It is HIGHLY ENCOURAGED that you attend if you intend to bid on this.*
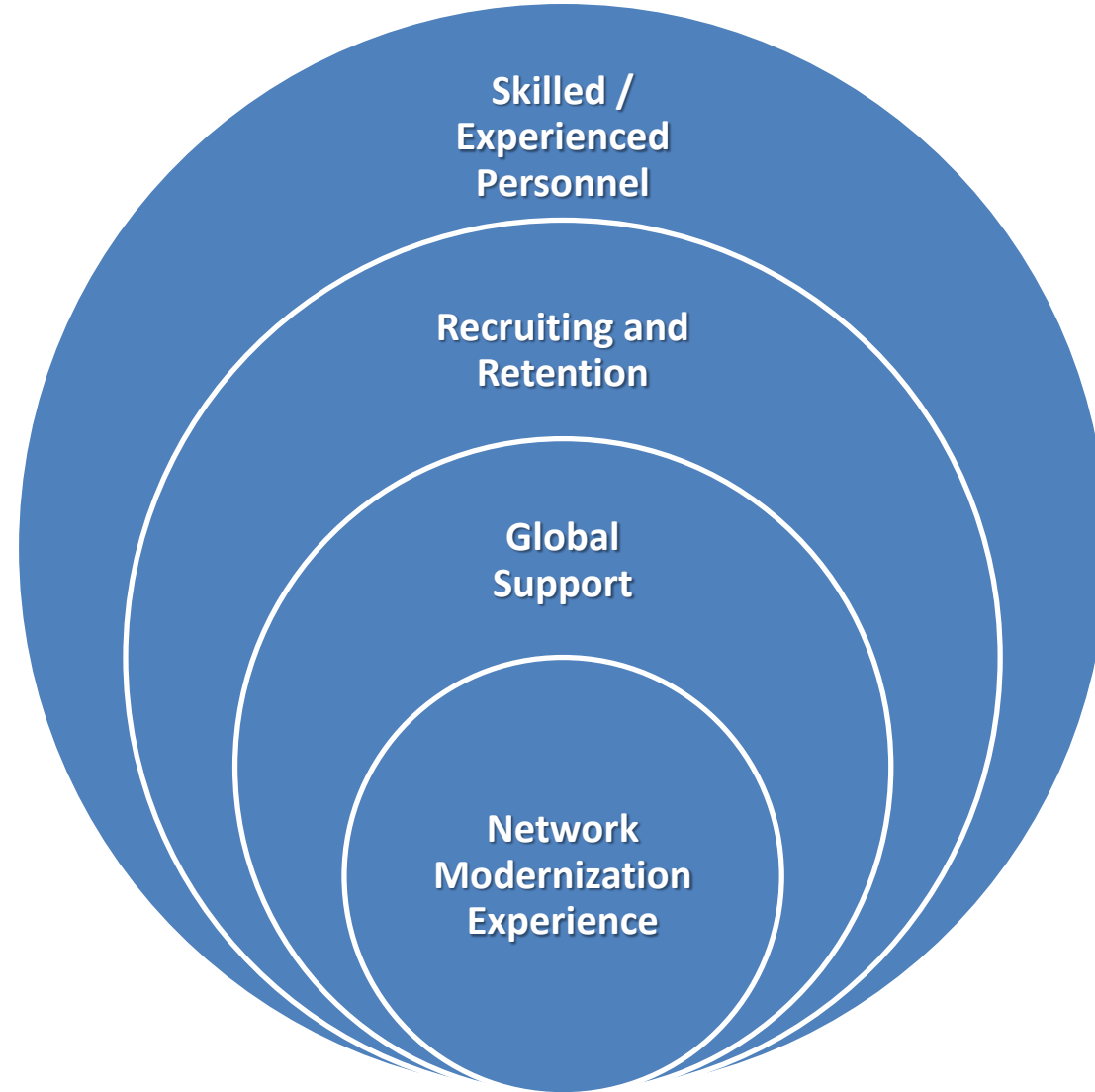
Stakeholder Management

PdM I3MP:
- NORTHCOM
- SOUTHCOM

PdM P2E:
- AFRICOM
- EUCOM
- CENTCOM
- INDOPACOM

PACOM

USARPAC

311th Signal Command

7th Signal Command

EUCOM

AFRICOM

SETAF

USAEUR

USARAF

CENTCOM

NETCOM TAC-E

2nd Signal BDE

ARCENT

USFK

U.S. Forces Korea

Task Force Mercury

335th Signal Command

HQDA CIO/G6

ARCYBER

DISA-E

| SOUTHCOM | NORTHCOM | EUCOM | PACOM | CENTCOM |

PdM P2E Organization

Product Manager
LTC Howard Donaldson

Deputy Product Manager
Hector Acostarobles

PAC Director
Tim Green

APM PAC
MAJ Walter Zurkowsky

IPT Lead, Humphreys
Mark Smith

S1 / S8, Humphreys
Suk Hui Yi

IPT Lead, Humphreys
Andrew Lamb

Logistics Spt, Humphreys
Yon Kim II

IPT Lead, Humphreys
Duane Rothe

Operations, Humphreys
Yon A. Kim

IPT Lead, Shafter
Roy Hoshino

Logistics Lead, Humphreys
Orlando Vigo-Soto

IPT Lead, Wheeler
Haven Apana

IPT Lead, Shafter
Ki Kim

EUR Director
Thomas Dunaway

APM EUR
MAJ Juan Carleton

IPT Lead Wiesbaden
Rachel Dees

IPT Lead/ LOG DIR
David Johnson

IPT Lead Wiesbaden
Kevin Lennan

IPT Lead Wiesbaden
Sarah Mullins

IPT Lead Stuttgart
Kerry von Jacobi

SWA Director
Scott Ervin

APM SWA
Vacant

IPT Lead
Marilyn Mitchell
Ft. Belvoir

IPT Lead
Sophia Williams
Ft. Belvoir

Logistics Mgmt Specialist
Santos Ramirez
Ft. Belvoir

IPT Lead
Vacant
Ft. Belvoir

IPT Lead
Vacant
Ft. Belvoir

Technical Management Director
Vacant

Senior Engineer
Jean Anicet

ISSM Cybersecurity
Vacant

Network Engineer
Vacant

PMD Director
Vacant

Program Analyst
Cheryl Paulin

Budget Lead
Cassie Robinette

Budget Specialist
Ho Yong Oertwig

Acquisition Specialist
Edgardo Edwards

Acquisition Specialist
Julia Withers

ACQ SME
Pam Warren

LEGEND
Military
Govt Civ.
PAC
EUR
SWA

Expertise Needed

Skilled / Experienced Personnel

Recruiting and Retention

Global Support

Network Modernization Experience

P2E Program Management Support
Mr. Hector Acosta, Deputy PM

Highlights:

- Objective: Ability to manage Network Modernization efforts in multiple theatres of operation simultaneously
  - CENTCOM, EUCOM, INDOPACOM, AFRICOM
- Scope: Provide Administration, Operations, Logistics, Financial Management, Contracting, Knowledge Management, Technology Management, Network Engineering and Program Management support services
  - Voice / TDM
  - SIPR / NIPR ICAN
  - ISP / OSP
- Applicable NAICS Code 541990
  - "All Other Professional, Scientific, and Technical Services"
- Acquisition Strategy:
  - Contract Type: FFP (Looking at a FPP/CPFF Hybrid)
  - Potential Contract Vehicles: ITES-3S, IT Schedule 70, RS3
- Period of Performance: Base Year is July 2020 – July 2021 and 4 one-year options
- Expected RFP Release: Mar 2020
- Expected Award Date: July 2020

Southwest Asia Requirements
Ms. Sophia Williams, IPT Lead SWA

Highlights:

- Objectives: Ability to modernize Command Operations Intelligence Centers (COIC) Walls and associated Conference Rooms for Southwest Asia

- Acquisition Strategy: To be determined

- POP Base Year is May 2020 – May 2021 and 4 one-year options

  - RCC-SWA

  - ASG-Kuwait

- Scope: Ability to Survey, Engineer, Furnish, Install, Secure, and Test (EFIS&T), a solution for the upgrade and implementation of COIC Video Walls and associated conference Home Station Mission Command Centers (HSMCC) enterprise solution

- Applicable NAICS Codes:
  - 238210 - Electrical Contractors and Other Electrical Wiring Installation Contractors
  - 334118 - Computer Terminal and Other Computer Peripheral Equip. Manufacturers
  - 334310 - Audio and Visual Equipment Manufacturing
  - 423690 - Other Electronic Parts and Equipment Merchant Wholesalers
  - 541330 - Engineering Services
  - 541519 - Other Computer Related Services
- Expected RFP Release: Mar 2020

- Expected Award Date: May 2020

I3MP Future Opportunities

- Worldwide Hardware Buy - Mr. Kevin Chinn, Product Officer NETMOD

- Outside Plant (OSP) CAPSET - Mr. Kevin Chinn, Product Officer NETMOD

- Technical Control Facility CAPSET – Ms. Toni Freeland Product Officer Command Centers

- Strategic Command Center CAPSET - Ms. Toni Freeland Product Officer Command Centers

Hardware Buys

Primary focus is Army wide vehicle

- Goal is for a vehicle that maximizes savings for all Army users
- Multi vendor IDIQ
- Incorporates new network requirements
- Incorporates future technologies
- Intent is for guaranteed work for all awardees

Reverse Auction

- Serves as Stop Gap for enterprise vehicle
- Based on NETMOD 2.0 ICAN-DI Specification (40/100GbE & SDN capable)
- FY21 sites, maybe FY22

- OSP Design/Implement
- All new fiber, i.e. trenching, plowing, boring new duct, MH, HH, service entrance, racks, FOPPs
- New fiber in empty ducts
- Inside Plant (ISP), Cable trays, premise wiring, racks, etc.
- Facility upgrades: Power, HVAC, UPS, Gensets, etc.
- Contract options
  - Multiple ID/IQ
  - Single Award ID/IQ
  - BPA(s)

CONTRACTING OFFICER – ACC-RI

MR. BRYAN LUCHSINGER

PROPOSAL TRENDS AND SUGGESTIONS

Evaluator Observations

CONTENTS:

- Includes contradictory statements and repetitive statements.
- Simply restates what solicitation said; does not provide information on how they would perform.
- Certifications/Compliance/Equipment Issues.
- Offerors either did not read the instructions or chose not to abide by them (takes exception).
- Appears that multiple people wrote the proposal and no one proofed it.
- Formatting, spelling, grammar, font, page counts, spacing etc..
- Information from price, past performance, and small business volumes is included in technical volume
- Proposal writers are not "talking" to their technical team.
- Does not address section L and does not tie in to section M of solicitations.
- Offerors' proposals "appear" to be written by same individual across companies – too many similarities.
- Ensure the pricing matrix is filled out completely and explain
- Identify if subcontracts were competed and how the price was determined fair and reasonable.
- Do not provide technical assumptions or non-price information in the pricing volume.
- Provide basis of estimates or narrative to explain pricing matrix.

- **<u>The Requirement:</u>** The contractor shall provide a notification within 24 hours of discovery, to the Contracting Officer, any changes at site which impacts schedule, performance, and/or price. In the notification of changes, the contractor shall address which areas are impacted and the date the Government needs to provide resolution to avoid impact to schedule, performance, and/or price.

- **<u>Section L:</u>** The Offeror shall describe its approach to, and how it will manage, notifying the Government of items at the sites that may require Government involvement to avoid delays or changes. The description shall include the information, timeframes for notification, and to whom the integrator will contact to avoid delays which could impact schedule, performance, and/or price.

- **<u>Section M:</u>** The Offeror's proposal will be evaluated on its approach to notifying the Government of items at the sites that require Government involvement to avoid delays and changes with minimal impact to the project, and how it lowers the risk to the Government. The information, timelines for notification, and to whom the integrator will contact to avoid implementation delays will be evaluated to ensure it adequately addressed the Government's requirements and that the Offeror has not made assumptions to contradict the Government's requirements for notifications.

Sample Response

To exceed the notification requirement of 24 hours for notification of changes, Team XXX has included as part of our team a contracting liaison. The contracting liaison will ensure that all notification of changes will be provided to the Government within two hours of discovery. The contracting liaison will provide in its notification what areas of the requirement are impacted, the projected cost to the contractor and/or Government, risk mitigations to continue work within the scope of the contract to keep on schedule, and possible resolutions and dates that issue must be resolved by the Government to prevent severe impacts to the project. The contracting liaison will have full authority to negotiate the changes on behalf of the company with the Government, in a real time environment.

Mr. Victor Hernandez
PdM I3MP

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