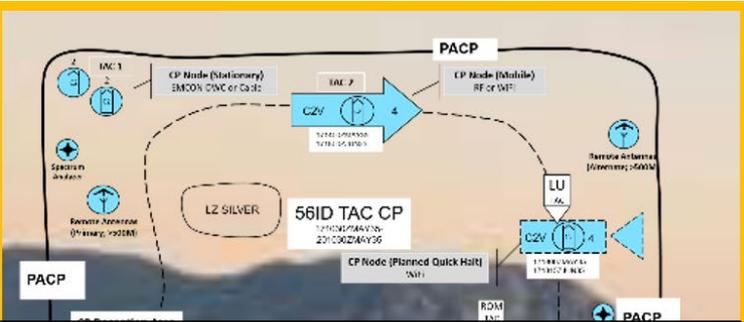
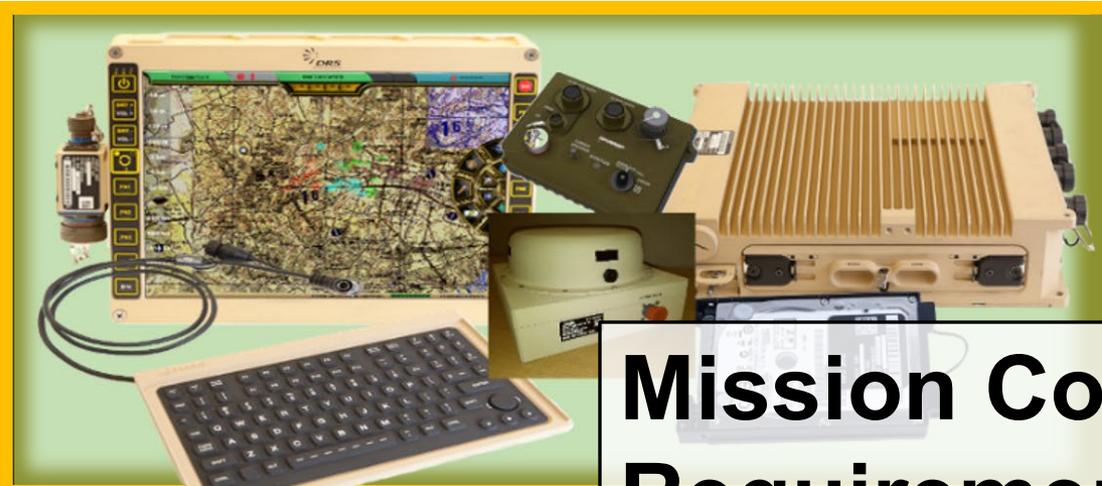


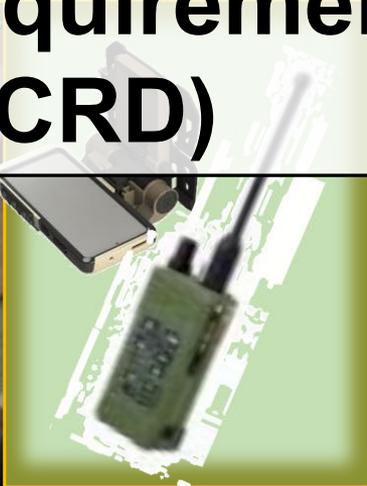


# Industry Day 2024

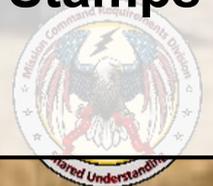
Capabilities Development & Integration Directorate



## Mission Command Requirements Division (MCRD)



COL Angela Stamps  
Dir, MCRD  
28 Feb 24



Mission Command is the Army's approach to C2 that empowers subordinate decision making and decentralized execution appropriate to the situation.



# Mission Command Requirements Division



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## Mission

Mission Command Requirements Division identifies, develops, integrates, and synchronizes requirements and solutions to provide leaders the ability to command and control multidomain operations during competition, crisis, and conflict. Collaborates with wide range of stakeholders and partners to ensure a holistic approach to capability development while seeking to leverage rapid acquisition opportunities to accelerate transformation of the force.

## Duties and Functions

- Execute requirements development, Engineering Change Proposal (ECP) management, and Test and Evaluation for the common operating environment and selected unified network, interoperability, and command post survivability lines of effort
- Recommend priorities and document changes in coordination with MCoE as the maneuver modernization proponent
- Identify solutions to gaps in required capabilities and support capability gap assessments using DOTMLPF-P and approved operational concepts informed by the threat
- Manage M-CDID Mission Command priorities in FDC and FDD portfolios with proactive participation in SPAR-POM activities



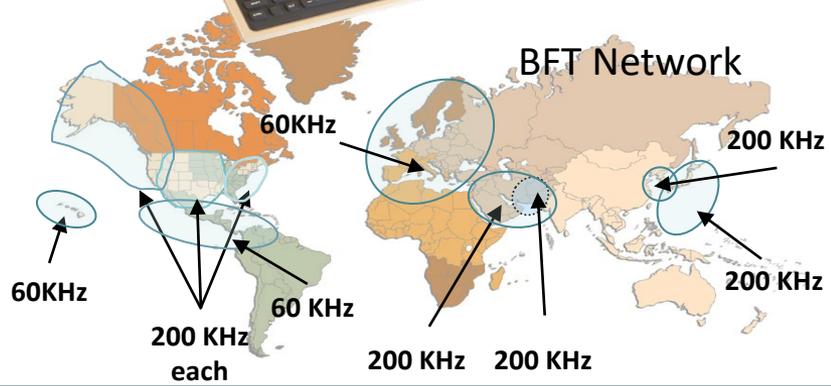
# MCRD Efforts



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## 1. Mounted Mission Command:

- Mounted Mission Command Software – Near/Mid/Far
- Common Operating Environment – Near/Mid
- Joint Battle Command-Platform – Near
- Mounted Mission Command Transport – Near/Mid
- Mounted Mission Command Compute & Store – Mid/Far
- Third Party Apps- Near/Mid/Far
- CMFF MMC Software card – Mid/Far
- Mounted Mission Command NOC/MCSC Upgrades – Near/Mid



## 2. Dismounted Mission Command:

- Mobile Handheld Computing Environment - Near/Mid/Far
- Third Party Apps- Near/Mid/Far





# Cross-Domain Maneuver Required Capabilities



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## Execute Command & Control

- Enable subordinates to seize, retain, and exploit initiative
- Employ unified, secure, resilient comms
- Monitor, regulate, manipulate, obscure signatures
- Deceive enemy sensors across all domains and environments
- Dynamically task/organize to create effective combined arms formations
- Interoperate with joint, interorganizational, and multinational partners

## Integrate Cross-Domain R&S Ops

- Sync and employ R&S formations and capabilities across multiple domains
- Conduct persistent all-weather cross-domain R&S
- Gain and maintain situational understanding

## Operate Semi-Independently

- Dispersed at max supporting range and sustain ops at extended distance
- Air and ground Human Machine Integration
- Conduct targeting, deliver fires, integrate effects in all domains

## Integrate Enabling Corps & Division Support

- Develop and disseminate multi-domain situational understanding
- Continuously converge and synchronize effects to enable maneuver
- Enable BCT freedom of maneuver and action





# Future Capability Considerations



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## • OPERATE SEMI-INDEPENDENTLY, DISPERSED

- How do we enable collaboration between commanders and staff while operating dispersed? (Mr. Daugherty)
- How do we improve Air-Ground operations integration? (Mrs. Lyles)

## • EMPLOY SECURE, RESILIENT COMMS

- How do we mitigate our signature to frustrate the threat's ability to detect, locate, compromise and/or target us? (Mr. Conklin)
- How do we maintain an information advantage while operating in a denied, disrupted, intermittent, and limited bandwidth environment? (Mr. Conklin)



# Future Capability Considerations



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## • “COMMON” COMMON OPERATIONAL PICTURE

- How do we position Application Gateways to synchronize the COP between SBU-E, SIPR, air-ground, cross echelon, mission partners? (CPT White)
- How do we integrate multiple sensor and situational awareness capabilities into a single AI enabled solution? (SSG Zamarripa)

### CORE CAPABILITIES

- ✓ ASSURED VOICE
- ✓ COMMON OPERATIONAL PICTURE
- ✓ ACCESS TO DIGITAL FIRES
- ✓ MOBILE, C2 ON-THE-MOVE

Must be able to TRAIN it, SUSTAIN it, PROTECT it, AFFORD it



# PEO C3T Contracting Opportunities



*Capabilities Development & Integration Directorate*

## **Radios-as-a-Service: An Alternate Model to Acquire Radio Capabilities**

**Notice ID: W15P7T-24-R-RaaS**

**Office: W6QK ACC-APG**

**Response Date: Mar 22, 2024 11:00 am EDT**

The Project Manager Tactical Radios (PM TR) seeks industry feedback and interest regarding an alternate approach to acquire tactical radio capabilities directly from vendors and for vendors to provide fielding, training, maintenance, and upgrades. The intent of exploring alternate models is to provide a more economical and agile approach to rapidly field and provide world class capabilities to the warfighter at the speed of relevance.

Consideration factors include industry's abilities to provide radios that seamlessly integrate into the Army's Integrated Tactical Network, completely maintain radio hardware and software, improve, and deploy radio hardware and software through an upgrade cycle.

## **Technical Exchange Meeting 12 - (TEM 12) Accelerating Network Transformation**

**Notice ID: US Army Network Cross Functional Team TEM 12**

**Office: W6QK ACC-APG**

**Response Date: May 24, 2024 05:00 pm EDT**

The Army's Program Executive Office C3T and Network Cross-Functional Team will host a network-related technical exchange meeting (TEM) on May 29-30, 2024, at the Marriott City Center, Philadelphia, PA. The network is the Army's number one transformation priority. TEM 12 will build upon previous TEMs with increased technical discussion, operational feedback, targeted prototyping contract opportunities, and strategic government/industry sessions. To support these goals, TEM 12 will provide sessions centered around topic areas including, but not limited to:

- “As a service” approaches
- Range extension and aerial tier networking
- Mission command applications
- Electromagnetic spectrum warfare
- Powering the future network



# PEO C3T Contracting Opportunities



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## **Next Generation BFT Aviation Transceiver System**

**Notice ID: MMC BFT2 01**

**Office: W6DR PEO C3T**

**Response Date: Mar 11, 2024 12:00 pm EDT**

Request for Information (RFI) from US Army industry partners for development of a form-fit replacement of the current BFT-2 Aviation transceiver system. The replacement system would host the next-generation Blue Force Tracking-3 (BFT-3) waveforms for the enduring and future aviation fleet.

PM MC is specifically interested in capability options that are designed with reduced size, weight, and power (SWaP). Modularity, serviceability, and cost.



# Questions & Discussion



Capabilities Development & Integration Directorate

## What Are Your Questions?





# MCRD Organization



Capabilities Development & Integration Directorate

MIL

GS

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**Mounted Branch**  
 Mounted Computing Environment: MMC/ JBC-P/ CMFF

**Dismounted Branch**  
 Mobile Handheld Computing Environment: Nett Warrior  
 Software/ Mobile Devices & Comms)

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