Army Networks Update

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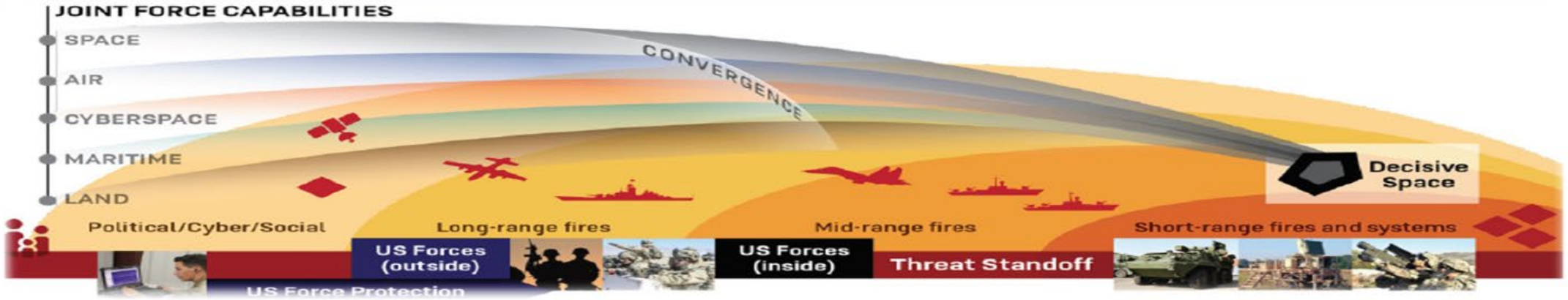
Army Unified Network

Future Requirements
Developing the Future Network for Multi-Domain Operations (MDO)

The MDO-capable Army of tomorrow must have a Unified Network that enables our Army, as part of the Joint/Coalition Force, to integrate and operate simultaneously and seamlessly in all domains, all environments, across all geographies and all warfighting functions.

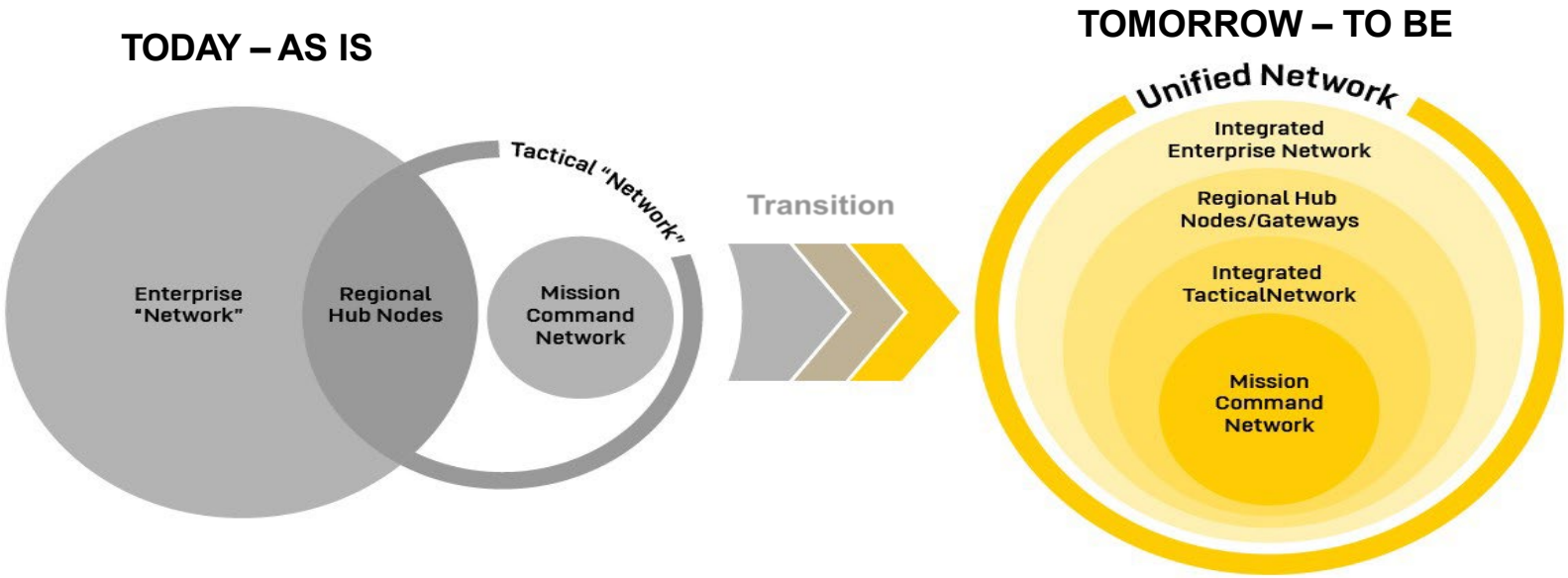
Unified Network Characteristics

- Provides a calibrated force posture and converges capabilities at the point of need
- Extends range and increases the speed of operations for decision dominance
- Includes hardware, software and infrastructure from the forward edge of the battlefield to posts, camps and stations
- Provides a resilient, secure, global network capability and capacity to support MDO
- Aligns multiple, complex network modernization efforts into a single, coherent approach to support MDO



The "**TO**" in Sensor **TO** Shooter — Delivering Strategic Effects to the Tactical Edge

Army Unified Network: What and Why …



Decentralized, Disjointed Network Modernization

Localized capability fielding based on organic development which lacks a standardized enterprise approach that aligns with the Integrated Tactical Network.

- **No** overarching **SIPR/MPE** Modernization Plan
- Emphasis placed on modernizing **NIPR only,** by installation
- Focused on **individual** posts, camps and stations
- **Lifecycle** process is limited to legacy technology and methods
- **Disjointed** Organizational Networks (ORGNET)
- Lacks defined requirements documentation
- RHNs serve as IEN/ITN nexus, limiting network resiliency
- Focused at the BCT maneuver level

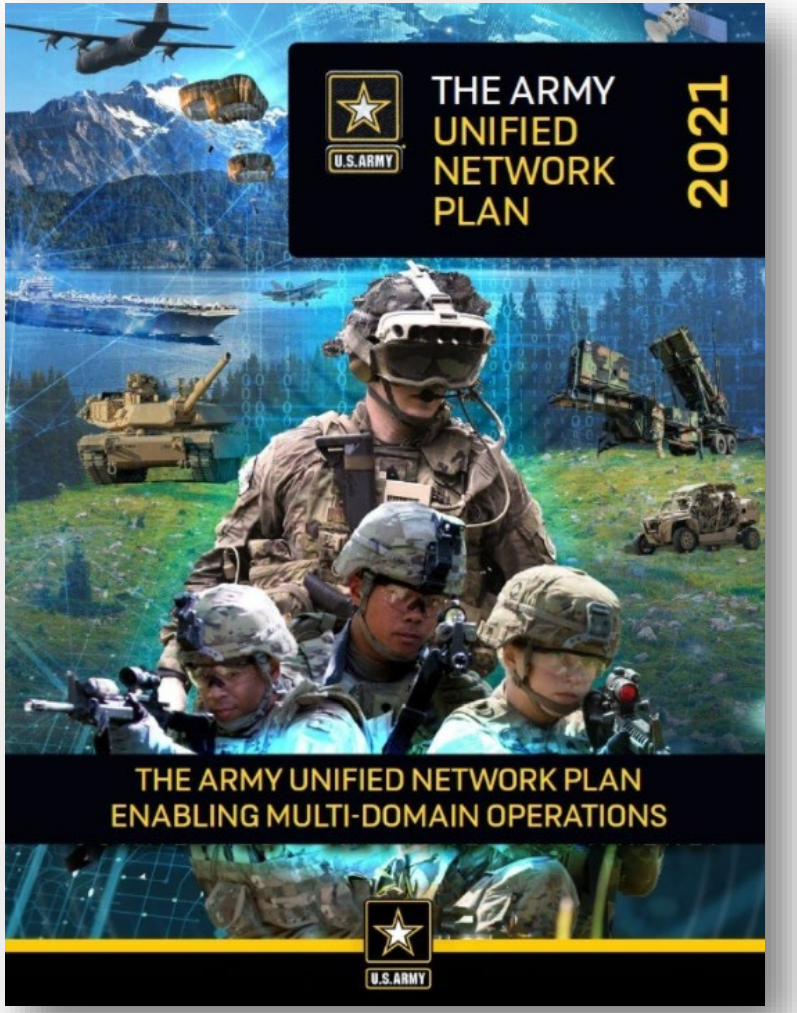
Setting the Unified Network

Standardized capability-based modernization that merges IEN/ITN into a **Unified Network to support MDO**

- **Integrated Global SIPR** environment
- **Optimized NIPR** based on Zero Trust principles
- Focused on **horizontal delivery** of new capabilities
- **Evolutionary modernization** with new cost-effective capabilities
- **Converged** DODIN-A with single service provider and defender
- A **unified requirements** process
- Diverse transport to increase resiliency in A2/AD environment
- Enables **Corps/Division Maneuver** in an MDO fight

"IT modernization and reform is a critical measure to achieve the Army digital transformation. This includes phasing out outdated legacy systems that are incompatible or too inefficient in a fully digitized environment." **Dr. Raj Iyer, Army CIO**

Army Unified Network Plan (AUNP)



AUNP Break-out

3 Phases

1. Set the Unified Network
   - Near-term (present - 2024)
2. Operationalize
   - Mid-term (2025 - 2027)
3. Modernize
   - Long-term (from 2028 on)

5 Lines of Effort (LOE)

1. Establish the Unified Network
2. Posture Force for Multi-Domain Operations
3. Security & Survivability
4. Reform Processes & Policies
5. Network Sustainment

How PEO EIS Supports the AUNP

Identity, Credential & Access Management

- Supports LOE Task – “Security & Survivability”
- Two ICAM Efforts:
    - Army Deputy Chief of Staff, G-6 ICAM Roadmap (Phases 1, 2)
        - ❖ Focus: Near-Term
    - Requirements Definition Package
        - ❖ Focus: Mid-Term (2025 - 2027)

Global SIPR Modernization

- Supports LOE Task – “Establish the Unified Network”
- Enablers: Commercial Solution(s) for Classified, Virtual Desktop Infrastructure (VDI), Multiple Independent Levels of Security (MILS)

Voice Modernization

- Supports LOE Task – “Establish the Unified Network”
- Intent: Attempt to reduce overall phone count, regionalize existing VOIP capabilities, implement a regional modernization approach, decommission Time Division Multiplexing (TDM) infrastructure

PEO EIS primarily supports:

- Establish the Unified Network – Enabling Multi-Domain Operations
- Posture Force for Multi-Domain Operations

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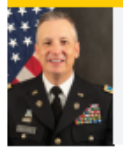

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**Works directly for the PEO*

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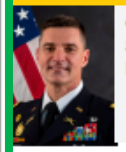
Assistant PEO - Networks, Cyber & Services
Mr. John Howell

PM IEN
Integrated Enterprise Network



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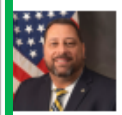

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