

# The Army Mission Command Strategy



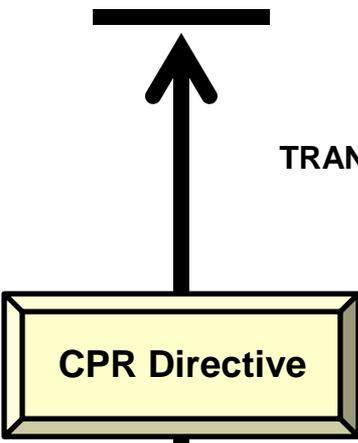
*A Fundamental change to the way the Army acquires, tests, and fields Network Capability*

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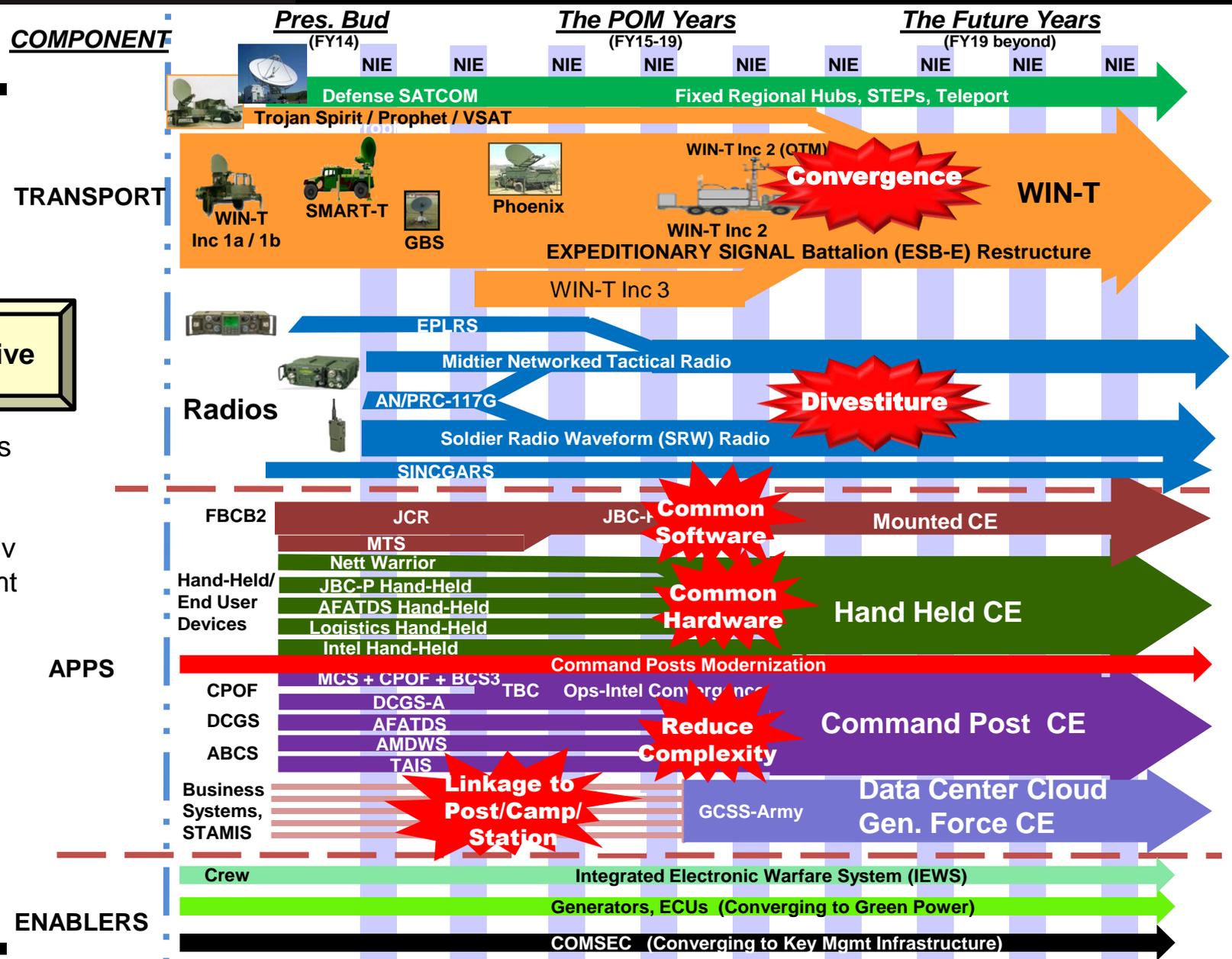
**G-3/5/7**

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# Tactical Network Modernization Strategy



Capability Sets  
 NIE  
 COE  
 Transport Conv  
 NETOPS Mgmt  
 CP Strategy



**Linkage to Post/Camp/Station**

**Convergence**

**Divestiture**

**Common Software**

**Common Hardware**

**Reduce Complexity**

# Future NIE Focus

Common Operating Environment (COE)



Transport Convergence

- Intel
- Telemedicine
- Logistics

NIE 14.2	NIE 15.1	NIE 15.2	NIE 16.1	Future Evaluations
<p><b>COE v1</b></p> <p>Operational Agility/CP enhancement</p> <p>Network Mission Area (MNVR)</p> <p>Mission Partner Environment</p> <p>Cyber Operations (Security, CEM Staff, EMSO)</p> <p>Aerial Layer Operations</p> <p>Home Station Capacity</p> <p>ISR to the Edge (DCGS-A)</p> <p>CS 15</p>	<p>Transport Convergence PH I</p> <p><b>COE v2</b></p> <p>Fires Messaging</p> <p>Network Mission Area (Network complexities, UTR, Net Ops)</p> <p>Mission Partner Environment (Joint aerial integration, COP)</p> <p>Cyber Operations</p> <p>Aerial Layer Operations</p> <p>Home Station Capacity (LVC-ITE, IAADS)</p> <p>ISR to the Edge (RITE)</p> <p>CS 16</p>	<p>Transport Convergence PH II</p> <p><b>COE v3</b></p> <p>Armored BCT Integration</p> <p>WIN-T (I) – Network Collapse RITE/TS</p> <p>Network Mission Area (Waveform efficiencies, space loss mitigation)</p> <p>Mission Partner Environment (Coalition integration)</p> <p>Cyber Operations</p> <p>CS 17</p>		



Integration of Tactical and Enterprise Networks



Handheld Devices

- BYOD
- Biometrics
- ISR
- Tactical Cellular Network

Where do we Defend the Network? (Network Simplification)



# NIE 14.2 Overview

## DA Objectives Prioritized List

1. Evaluate capabilities to deliver, collect and process integrated, multi-source intelligence and relevant data to the edge.
2. Continue to simplify and protect the Network: (Cyber securities, Enterprise Services, NETOPS, UTR, Quality of Service and Initial Wideband Expeditionary C2)
3. Assess the network's ability to meet Fires' messaging requirements under an operationally realistic network load.
4. Assess the network's ability to provide timely situational awareness (location & status), intelligence sensor data & products for targeting (direct action or fires), airspace control, request & conduct of fires, and to enable sustainment while conducting Joint Force entry operations.
5. Assess CP CE V1.0 and set conditions for COE V2.0 to support the acceleration of the development of the CP CE Common Core Foundation and migration of the latest Software Baseline.
6. Accelerate the integration of Mission Command on the Move into aviation and armored platforms.
7. Evaluate solutions to enhance the command post while decreasing the physical complexity of the CPs and cognitive burden on commanders and staff; to include solutions that improve logistics operations, reduce energy requirements and promote sustainable practices.
8. Improve Home Station capabilities, including the integration and interoperability of capability sets, installation networks, while developing/improving training and supporting resources
9. Conduct BCT Operational Demonstration of Transport Convergence (PH I – Prophet Transport Migration), set conditions for Brigade validation.
10. Develop the integration of Capability Set configuration items into the aviation and ABCT formations (ie: to include organizational changes - 3<sup>rd</sup> Mnv BN)

## ARCIC Recommended Gaps

- Collection
- Inability to Interoperate and Communicate with Unified Action and Coalition Partners
- Personnel Recovery Data Integration with CPOF and JBC-P
- Develop Home Station Capabilities
- Forcible Entry Mission Command
- Fires Net-centric Messaging Requirements
- Intelligence Enterprise (IE)
- ASOC Integration at Division: Organization, TTPs, Equipment & Networking: focused at the division CP
- Condition Based Maintenance +
- Air-Ground Network Architecture
- OE: Onboard Exportable Power
- ABCT leader Mission Command
- Aerial Layer Network Extension
- Adaptive Exchange of Data Among NetOps Management Systems
- Integrated Trouble Ticketing
- Electronic Spectrum Operation
- Extending the WIN-T Infrastructure to Support Disadvantaged Users
- BDE/BN Command Post Mobility and Scalability
- Integrated Network Access Control

## NIE Endstates

- 1) Evaluated networked capability at the edge (ISR, fires messaging)  
\*DCGS-A –Tested
- 2) Refined and validated capability set baseline (UTR and Digital SOPs)
- 3) Continued refinement of the mid-tier radio requirement for the Army.
- 4) Developed Initial concept of the Mission Partner Environment (Joint operations)
- 5) Evaluated CP CE v.1 in support of the Common Operating Environment
- 6) Identified potential solutions for operational energy improvements (Command Post enhancement, energy reduction)
- 7) Improved Home station training capacity (IAADS, LVCG)
- 8) Transport Convergence operationally demonstrated (capacity /performance)