Mission Partner Environment

Overview

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MPE Range of Military Operations

What is the Commander's intent? What is the mission? Who are the partners?
What information needs to be shared? What classification level(s) do you need to operate in?

UNCLASS NETWORKS

Google

Classified Releasable FEDERATED MISSION NETWORKS

MAX OMB

apan

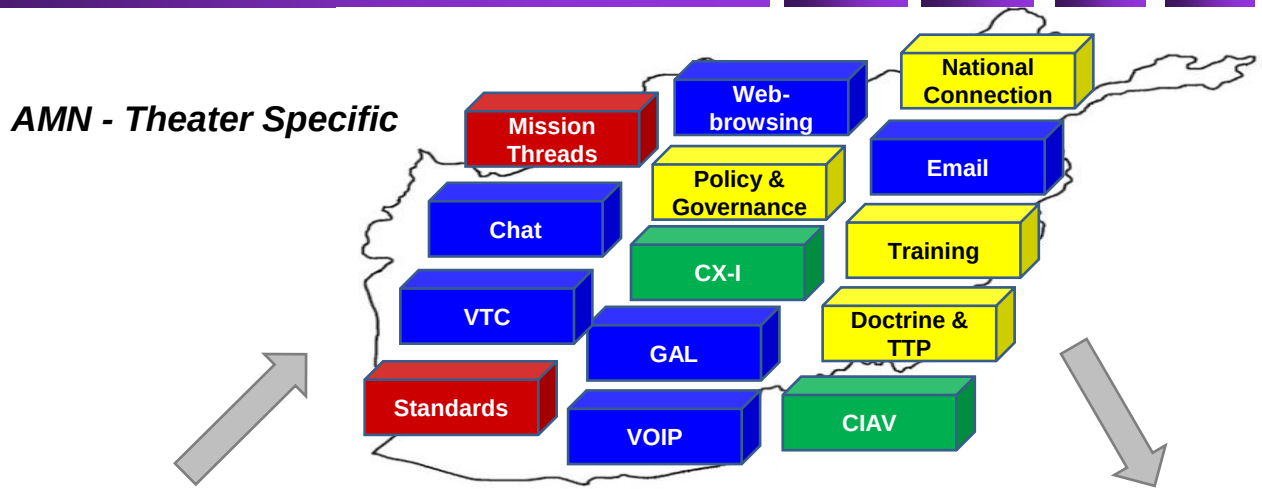
US BICES-X

CENTRIXS

MN BICES

LOW TO HIGH

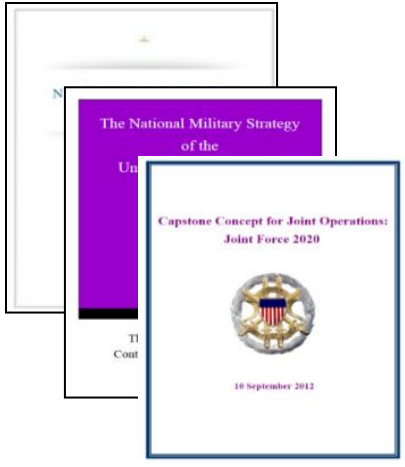
Evolving to a Mission Partner Environment



MPE: Provides an overarching capability framework for CCMDs based on CONOPS, Doctrine, TTP, Policy, Governance, Common Standards, Training, Interoperability

MPE Requirements Validation and Traceability

Strategic Guidance



Task – 26 August 2011: CJCS Tank task - "Lead the evolution of the Future Mission Network (FMN)"…name change to MPE in 2013

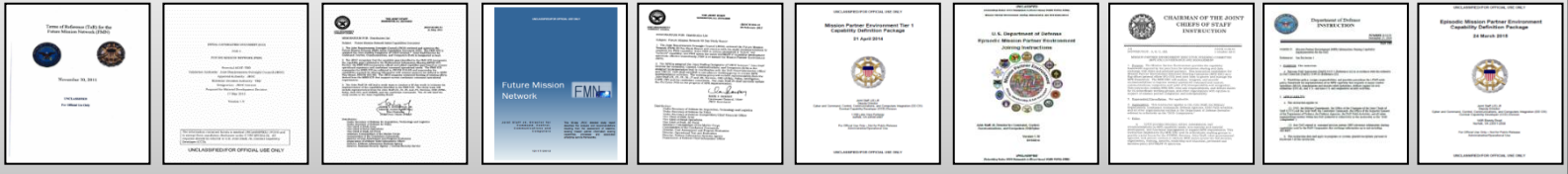
Purpose – Establish a mission partner operating environment

Military Problem – Unity of effort and "speed of command" for delivering mission partnered operational effects for strategic, operational, and tactical commanders; a standing command and control environment for mission partner operations *does not exist* for operations on a mission secret or unclassified security level

Method – Implement an MPE framework composed of policies, standards, governance, training, non-materiel and material capabilities, CONOPs and joining instructions across CCMDs and nations

End State – Provide coalition/joint force commanders decision making/unity of effort & speed of command with mission partners at any time in the same security domain

MPE Pedigree



Terms of Reference | ICD/ CONOPS | JROCM 081-12 | 90-Day Study | JROCM 026-13 | Enduring (Tier I) CDP | Joining Instructions | CJCSI 5128.01 | DoDI 8110.01 | Episodic (Tier II) CDP

Joint Solutions Require Engagement Across All Departmental Processes

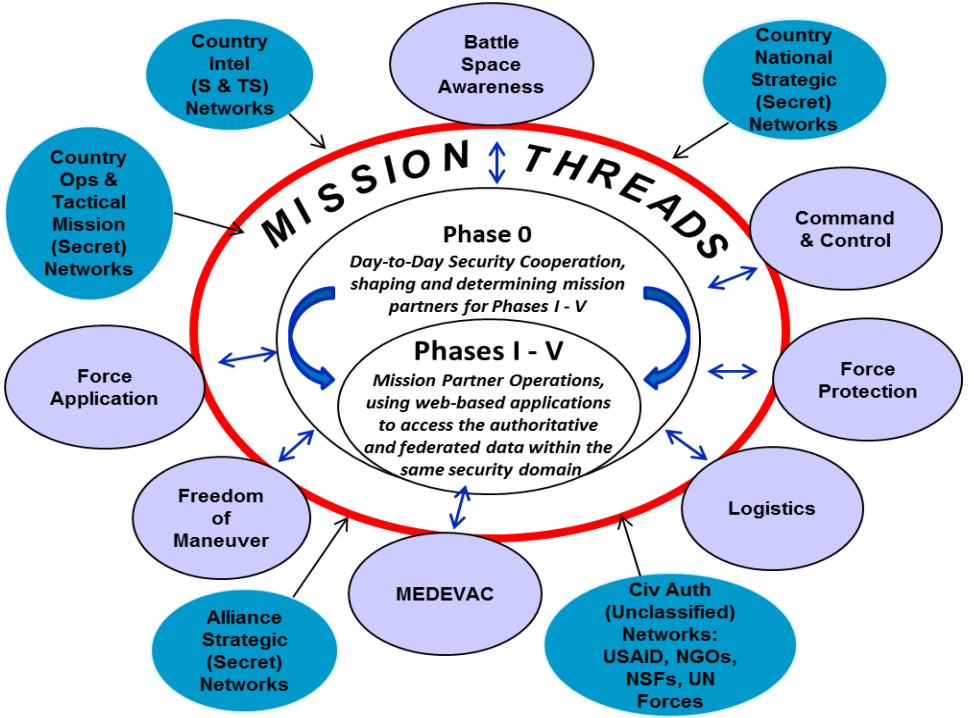
MPE Concept and Enablers

Non-Materiel Enablers

- CONOPS
- Doctrine & TTP
- Policy & Governance
- JMEI (Joining, Membership and Exit Instructions)
- Common technical standards
- Interoperability, Assurance and Validation e.g. CIAV
- "Train As We Partner"

Core Services (Materiel)

- Chat
- Email w/attachments
- Voice Over IP
- VTC
- GAL
- Web-browsing



Core services support all types of operations by enabling human-to-human information exchange across mission threads in a common language

MPE in BOLD QUEST 15.2

Bold Quest Participants

MPE provided the ability for mission partners to federate with the US in a coalition mission network thru:

- CONOPS & Joining Instructions
- Governance
- Doctrine
- Training
- TTP
- Policy
- Standards
- Applications

Personnel Summary:

- Partner Nation: 649
- USA Deployed: 469
- USA Home Station: 200

Air/Ground Summary:

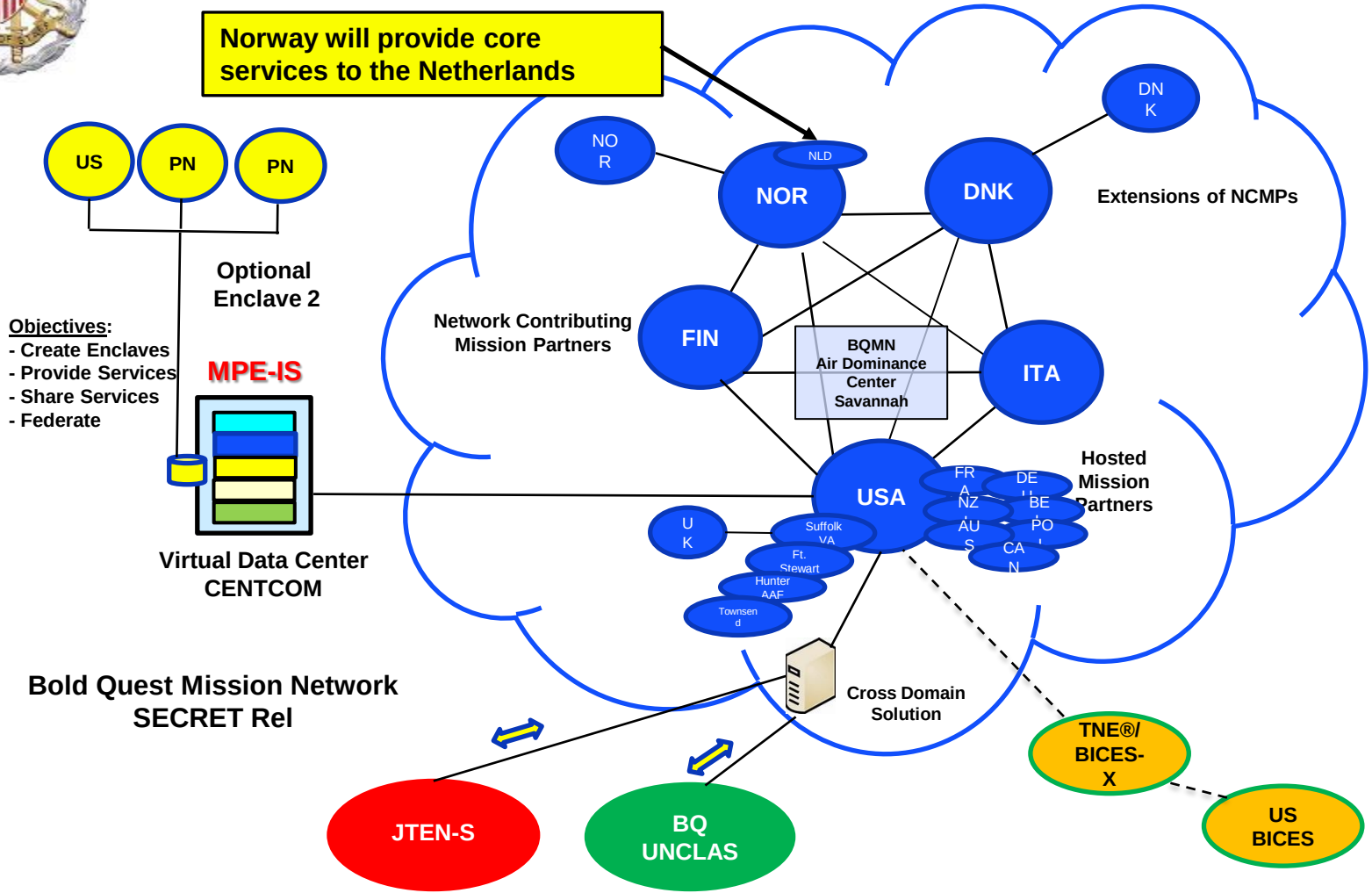
- 39 Aircraft, 170 live sorties
- 24 Coalition Ground Vehicles

Coalition Network (Mission Partner Environment)

- Federated environment encompassed national networks/systems
- Each nation followed their own national policies and operated their own mission command systems and core services for collaboration
- Guided by collaboratively developed Joining Membership and Exit Instructions

MPE successfully supported the Commander's Intent to Maximize Mission Partner Information Sharing and Interoperability

BQMN 16.2 OV-1 SAVANNAH (11 Oct-3 Nov)



MPE meets the Operator's Need to….

Communicate Commander's Intent

Build trust

Create unity of effort

Possess speed of command

Operate in the information environment

"….a bias to share information with our partners, our Allies, and those interested in taking the fight to the enemy, as opposed to a need to know."
CJCS remarks, NDU, 2016

Questions