



2010 Joint Warfighting Conference Joint Concept Development & Experimentation

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Transformation**

JCD&E Highlights for FY09

Defining the Future Joint Force



Projects: CCJO, CCJO Wargame, Coop Sec Experiment



Impact: Conceptual basis for creating joint force balance, adaptability & versatility. Force development implications of dealing with a complex & uncertain world.

Comprehensive Approach



Projects: Unified Action, Deployable Sec Sector Assess, Interagency Shared SA, Armed Private Sec Contractors

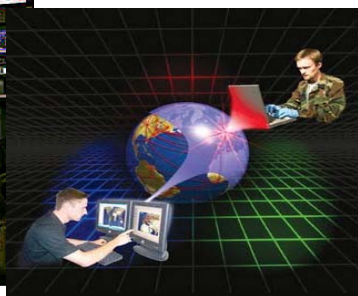
Impact: Integration with Civilian led operations. Enhanced IA/MN planning, execution & assessment. Information sharing architectures.



Cyberspace Operations



Project: Cyber Ops



Impact: Improved crisis action planning. Manning model for offensive operations.

Joint Fires & Targeting



Projects: Joint Targeting Proof of Concept, Joint Urban Fires Prototype



Impact: Concept & initiatives for better targeting support to COCOMs. Improved capabilities to support distributed fires

Tangible Impact to Current & Future Ops



Joint Distributed Operations—Solutions

ENGAGEMENT

Driving Enduring Change:

- JP 2-0, 3-0, 4-0, 5-0, 6-0 revisions
- Training curriculum modifications
- C2 architecture
- CDR's Handbook for JDO – CONOPs for enabling solutions
- Validation of requirements for SOF and GPF communications capabilities

ISR

- Asset allocation CONOP & procedures
- Warfighter info collection & sharing

Force Application

- Joint enabler allocation
- Op maneuver & engagement capabilities
- JTF staff structure recommendations

Logistics

- Mobility & Sustainment CONOP
- Risks & planning considerations
- LOCs force protection reqmnts

Command and Control

- Comms architecture, CONOP & capability requirements
- Practices & procedures for JTF agility & understanding
- Risk assessment

JDO Concept

COMBAT

SECURITY

RELIEF/RECONSTRUCTION





Joint Integrated Persistent Surveillance – Solutions

Shorter reaction times, Standardized methods, Increased collection capacity

Collection Management/Visualization

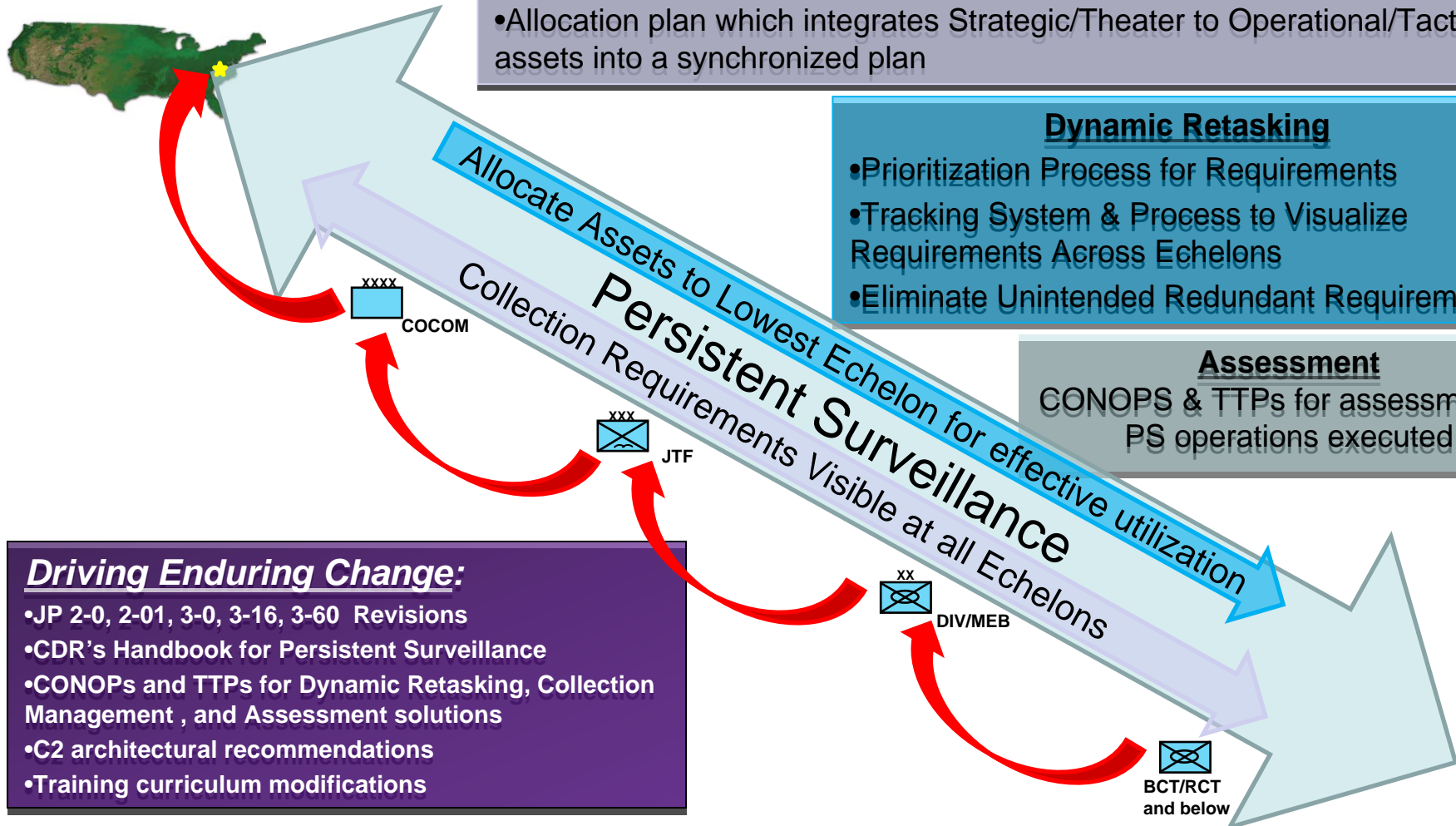
- Distribute/Streamline CM to Div & Below
- Asset Allocation to maximize limited collection resources
- Allocate Resources to Lowest Level where they can be used effectively
- Allocation plan which integrates Strategic/Theater to Operational/Tactical assets into a synchronized plan

Dynamic Retasking

- Prioritization Process for Requirements
- Tracking System & Process to Visualize Requirements Across Echelons
- Eliminate Unintended Redundant Requirements

Assessment

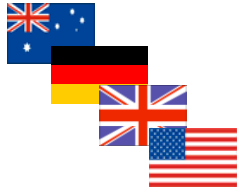
CONOPS & TTPs for assessment of PS operations executed



Driving Enduring Change:

- JP 2-0, 2-01, 3-0, 3-16, 3-60 Revisions
- CDR's Handbook for Persistent Surveillance
- CONOPs and TTPs for Dynamic Retasking, Collection Management, and Assessment solutions
- C2 architectural recommendations
- Training curriculum modifications

MNE Series History



MN LOE 1: November 2001
 Technical Distributed Collaboration
 (South Pacific Vignettes)



MN LOE 2: February 2003
 Multinational Information Sharing
 (Pacific Rim Vignettes)



MNE 3: February 2004
 Effects-Based
 Planning (Afghanistan Scenario)



MNE 4: February - March 2006
 Operations Effects-Based
 (Afghanistan Scenario)



MNE 5: May 2006 - December 2008
 Comprehensive Approach
 (African Scenario)



MNE 6: June 2008 - December 2010
 Countering Irregular Threats with the
 Comprehensive Approach

MNE 6 Participants:

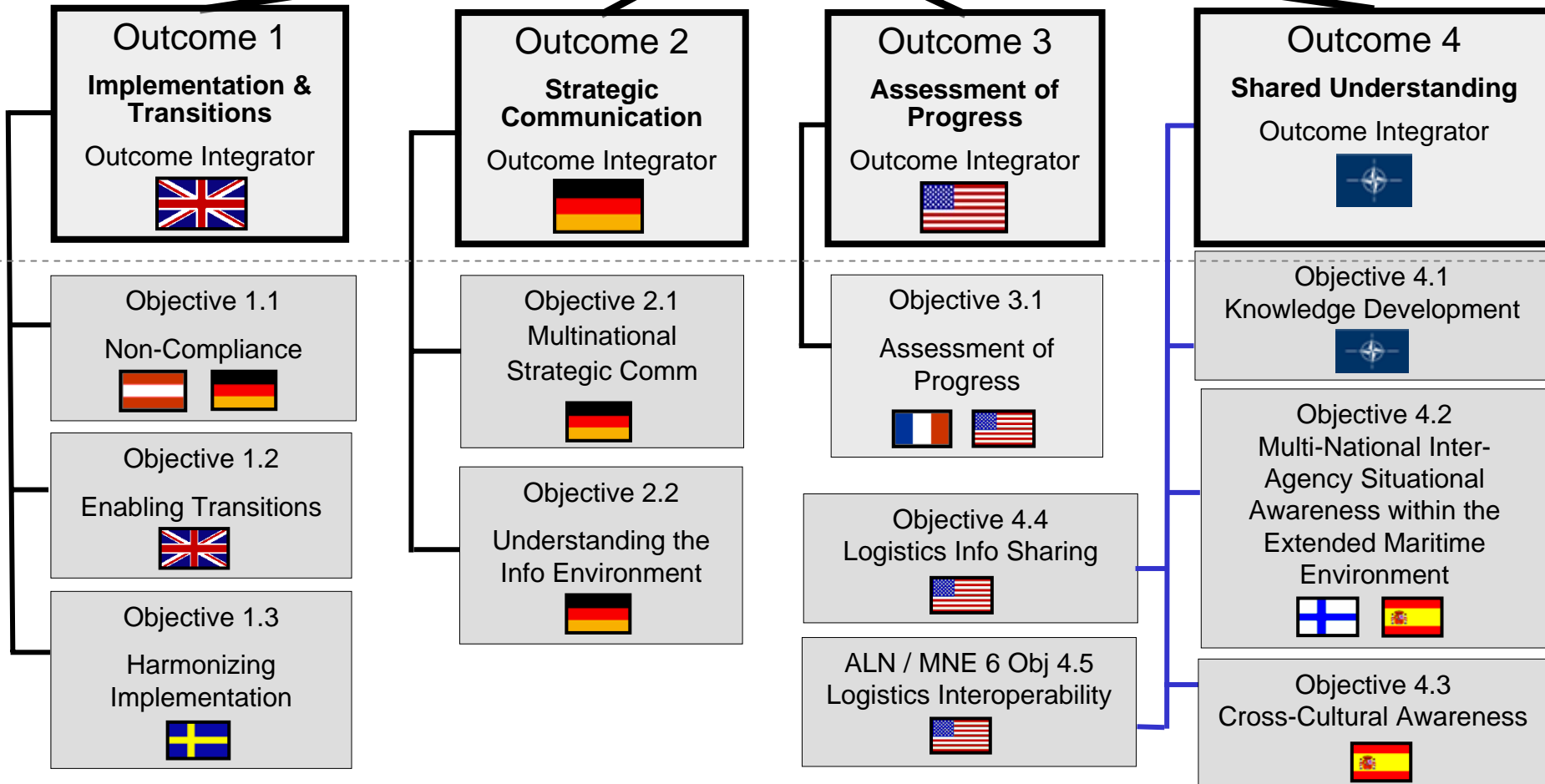
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MNE 6 – Outcomes and Objectives

MNE 6 Problem Statement

To establish and ensure a safe and secure environment, coalition forces require the ability to share information, gain situational understanding, synchronize efforts and assess progress in concert with interagency partners, international organizations, and other stakeholders when countering activities of irregular adversaries and other non-compliant actors.

Campaign Integrator (USJFCOM-J9)





CD&E Overview



- SACT's role in CD&E
- Examples of ACT - Industry Collaboration
 - Distributed Networked Battle Laboratory (DNBL)
 - Civil Military Fusion Centre (CFC/CMO)
- Examples of ACT - USJFCOM Collaboration
 - Multinational Experiment Serie (MNE)
 - Joint CD&E Conference



Role of SACT on CD&E



- **Lead** transformation of NATO military structures, forces, capabilities, and doctrines,
- **Lead** concepts and doctrine development, conduct experiments and support research and acquisition processes of new technologies,
- **Conduct** strategic level operational analysis in close co-operation with SACEUR,
- **Develop and Deliver** Education and Individual Training in support of SACEUR's operational requirements
- **Establish** effective network connecting capability development national and non-national actors (Industry)



ACT Network





Defence Planning Process NDPP





Distributed Networked Battle Lab (DNBL)



- ❖ Initiative between ACT, NATO C3 Agency, and Industry (NIAG)
- ❖ Mechanism/Model for linking Existing Battle Labs for NATO, Nations, and Industry benefit
 - De-risk a capability before deployment
 - Testing in a multinational (NATO) environment
 - Improve interoperability
 - Not a new facility
- ❖ Legal, procedural, security, and technical aspects



DNBL Progress



- **Framework Model and Management**
 - Key Documents drafted (require validation)
 - Industry Advisory Panel (membership)
- **JISR Testing:**
 - Full Motion Video DSAR Reference facility
 - Completed with success with FRA
 - Will proceed with DEU (possibly GBR, ITA)
 - Potential Industry use
- **Example future topics / opportunities**
 - Afghan Mission Network (AMN)
 - Balkans Regional Civil Emergency Planning Network
 - Network Centric Operations Industry Consortium



Cooperation with Industry in support of Civil Military “CFC/CMO Experiment”





Collaboration ACT – USJFCOM MNE series and



“**Joint CD&E Conference**”

- Co-sponsored ACT / USJFCOM event since 2001
- Aim:
 - Advance CD&E and specific CD&E projects using a multinational, collaborative environment.
 - Intensify and improve the collaboration between nations, CD&E practitioners, ACT and USJFCOM.
- 6-9 December 2011 in Norfolk, VA

Supreme Allied Commander Transformation



Joint Warfighting Conference 2010

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