



United States Joint Forces Command

Interoperability

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USJFCOM Mission

*As the Chief Advocate for Jointness, USJFCOM maximizes the Nation's future and present military capabilities through joint concept development and experimentation, recommending joint requirements, **advancing interoperability**, conducting joint training, and providing ready CONUS-based forces and capabilities to support other CINCs, the Atlantic Theater, and domestic requirements.*



Interoperability Focus -- Continuing to Grow

Joint Interoperability & Integration

- UCP-99 assigned USJFCOM the mission of **Joint Force Integrator** and **Chief Advocate for Jointness and Interoperability** Oct 00, CINC USJFCOM established the Joint Integration & Interoperability Division
- CJCSI 3170.01B and CJCSI 6212.01B assigned USJFCOM as the **Chief Advocate** for assessing all Department of Defense **Interoperability requirements**.
- DoD Directive 4630.5 and DoD Instruction 4630.8 (**NEW in FY02**) assigned USJFCOM the responsibility **to provide** operationally prioritized and programmatically synchronized **material and non-material recommendations** for **resolving** Department of Defense **interoperability issues**.
- CJCSI 3180.01 (**NEW in FY02**) aligns the Joint Staff DOTMLPF Recommendation format with USJFCOM's JI&I Process.
- DEPSECDEF Memo (12 Oct 01) (**NEW in FY02**) tasked USJFCOM to identify and make recommendations to **resolve C2 Legacy System Interoperability issues**.



Joint Requirements – Ensuring Interoperability

Joint Interoperability & Integration

- **Chief advocate for jointness and interoperability**
 - **Identify & validate joint requirements**
 - **Represent joint warfighter throughout the requirements and acquisition process**
- **Review all Operational Requirement Documents for:**
 - **Interoperability Key Performance Parameters**
 - **Information Exchange Requirements**
- **Provide “up front” training to MNS/CRD/ORD authors**

Bottom Line: Ensure what we build and buy is “Born Joint”



Solutions to Existing Legacy Problems

Joint Interoperability & Integration

- **Develop annual project/issue work list for JROC endorsement from**
 - **Annual CINC surveys**
 - **Annual CINC Integrated Priority Lists (IPL)**
 - **Continuously Updated CINC Interoperability Issue web site hosted on the USJFCOM homepage**
- **Build DOTMLPF synchronization plans for select legacy systems in partnership with C/S/A's & the Joint Staff, and endorsed by the JROC**

Synchronization across the DOTMLPF facilitates fielding solutions for the Joint Warfighter



CINC Survey FY 03-08 Interoperability Issues

Joint Interoperability & Integration

DRAFT

- **Coalition**
 - COP
 - Info Exchange (Multi-level)
 - Language Translation
- **Interagency/HLS**
 - COP
 - Info Exchange/Assurance
- **Distributed Operations**
 - Data Mining
 - CONOPS
 - System Baseline
 - COP(s) Sharing
- **ISR**
 - CONOPS
 - Transmission
 - Storage
- **Logistics**
 - Tracking Validity
 - Display Ops
- **Standing JTF**
 - Architecture
 - CONOPS
 - Rapidly Deployable C4ISR

Emerging Trend: New technologies/capabilities lack doctrine/TTPs/SOPs to fully exploit



DepSecDef Oct 12 2001 Memo

Joint Interoperability & Integration

OSD Goal:

“[DOD] to have legacy systems interoperable, with respect to *critical command and control functions* by the end of FY2008”

JFCOM Task:

“Address issues and develop material and non-material options to resolve JTF C2 legacy interoperability shortfalls. Forward recommendations to the JROC for prioritization and referral to OSD by Mar 29, 2002”



Current JTF C2 Shortfalls

Joint Interoperability & Integration

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Doctrine

- JTF HQ activation delays & augmentation shortfalls jeopardize effectiveness
- Available doctrine, SOPs, and TTPs are not utilized or shared with all participants.
- Lack of procedures, TTPs to establish COP
- IO not adequately addressed in joint doctrine

Organization

- No Standing/Core/Cadre" JTF staff -- full-time, joint personnel
- Information Management disjointed
- Do not adequately integrate all participants in a multinational operation.

Training

- Lack of a fully funded joint/interagency/coalition training program that addresses complex interoperability issues
- Joint operational training is secondary to tactical training

Materiel

- Lack of horizontal interoperability and integration, speed of action of Service C4ISR equipment.
- Lack of Multi-level Security for Coalition C4 interoperability.
- No common collaborative tools
- Lack fully integrated and interoperable communications capabilities
- No Common Operating Picture
- Inadequate Joint logistics planning
- No dynamic sensor re-tasking capability

Leadership

- Formulating and expressing a command concept at joint operational level is not embedded in leadership development and warfighting doctrine

Facilities

- No dedicated JTF C2 facilities
- Facilities not integrated

Personnel

- No Standing/Core/Cadre" JTF staff -- full-time, joint personnel
- Lack a trained force of JTF C2 professionals
- No assigned personnel (AD-Hoc) or way of tracking personnel

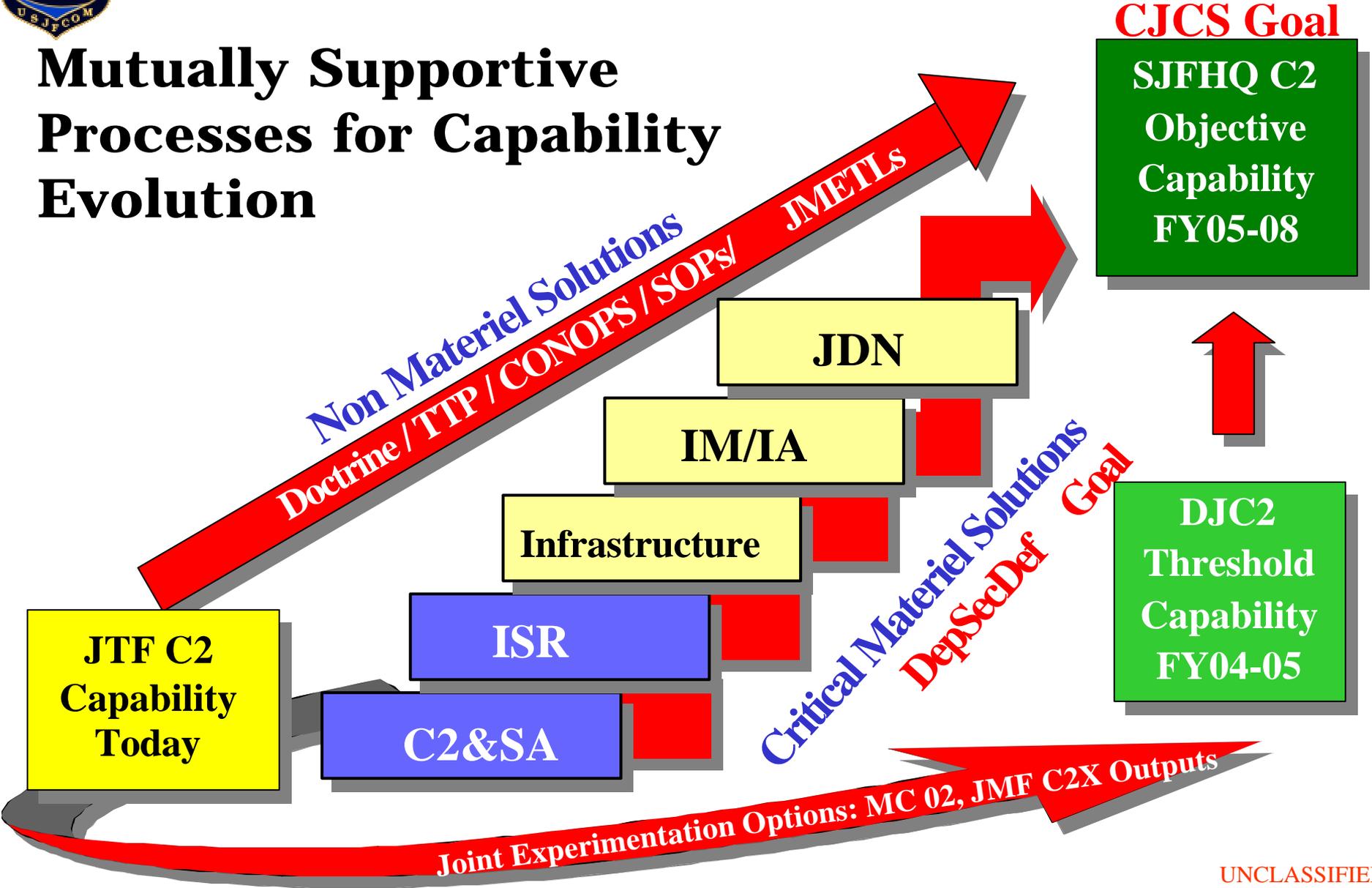
JTF Shortfall Sources: CINC IPLs / IS JWCA Studies / DSC Studies / CINC Surveys / Lessons Learned

Bringing it all Together - Materiel and Non-Materiel



Joint Interoperability & Integration

Mutually Supportive Processes for Capability Evolution





United States Joint Forces Command





Example Joint Requirements Focus Areas

Joint Interoperability & Integration

- **Battlefield Awareness**
- **Command and Control**
- **Combat Identification**
- **Intelligence Surveillance and Reconnaissance**
- **Theater Air and Missile Defense**
- **Attack Ops Against Critical Mobile Targets**
- **Joint Fires and Deep Strike**
- **Joint Deployment Process**
- **Joint Simulation System**



FY 02-07 Issue Category List

Joint Interoperability & Integration

- **GCCS Interoperability**
- **Deployable JTF HQ**
- **Joint En-route Planning**
- **Intelligence Systems Interoperability**
- **Multi-Level Security/Guards**
- **Joint Data Networks**
- **Network Management**
- **Precision Engagement**
- **Coalition Interoperability**
- **Missile Defense**