Joint Integration and Interoperability of Special Operations (JIISO)

Joint Test and Evaluation (JT&E)

NDIA – Net Centric Operations, Interoperability & Systems Integration Conference

22 March 2005

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Agenda

- Purpose
- Charter
- General Officer Steering Committee & Mentors
- Mission
- Scope
- JIISO’s Role In a Net Centric Operational Environment Joint Integrating Concept
- “As-Is” Command & Control Interoperability
- Test Concept
- JIISO Products/Focus Areas
Purpose

To provide information concerning the JIISO JT&E and JIISO’s contributions to Net Centric Interoperability.
JIISO JT&E Chartered by OSD

• Authority: Signed effective 11 Feb 04 by Dep Dir, Air Warfare, DOT&E

• Mission: Three year charter (Feb 04 – Mar 07) to …
  – **Improve the operational effectiveness of joint integration and interoperability** (I&I) of Special Operations Forces (SOF) and Conventional Forces (CF)
  – Test and evaluate the I&I of SOF and CF during **planning and execution of maneuver and fire support coordination** during tactical operations
  – Focus is to **evaluate JTTP and supporting system of systems (SoS)**
  – **Develop test products** to support joint operational, training, and acquisition communities and **make recommendations to improve** doctrine, organization, training and education, materiel, leadership, personnel and facilities (**DOTMLPF**)  

• Participants
  – USSOCOM is the lead Service/executive agent for JIISO
  – USJFCOM and USMC are co-sponsors
  – Services and Unified Commands are participants

• Reporting channel
  – Joint Test Director reports to Dep Dir, Air Warfare, DOT&E via JT&E PM
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<th>Name</th>
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<td>LTG Wagner (Co-Chair)</td>
<td>DCDR United States Joint Forces Command (USJFCOM)</td>
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<td>VADM Olson (Co-Chair)</td>
<td>DCDR United States Special Operations Command (USSOCOM)</td>
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<td>To Be Determined</td>
<td>ASD Special Operations and Low Intensity Conflict</td>
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<td>MG Parker</td>
<td>CG JFK Special Warfare Center and School</td>
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<td>RADM Zelibor</td>
<td>Director of Global Operations, United States Strategic Command</td>
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<td>Maj Gen Peterson</td>
<td>Director Operations &amp; Training, DCS Air &amp; Space Operations, Air Staff</td>
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<td>Mr. Crisp</td>
<td>Deputy Director Air Warfare, DOT&amp;E, OSD</td>
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<td>BG Risher</td>
<td>Director Center for Knowledge &amp; Futures, USSOCOM and President, Joint Special Operations University</td>
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<td>BGen Neller</td>
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<td>BG Freakley</td>
<td>Commander, Army Infantry Center</td>
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<td>RDML Mahon</td>
<td>Director <em>Deep Blue</em>, CNO Staff</td>
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<td>William Tangney (LTG [Ret])</td>
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<td>Dr. Bob Bell (GS-15)</td>
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Mission Statement

To improve and streamline the Joint Force Commander’s integration and interoperability of Special Operations Forces (SOF) and Conventional Forces (CF) during planning and execution of maneuver and fire support coordination to generate more timely actions and increased opportunities with less potential for fratricide.
Scope

• **Operational Scenario**
  – Combat operations primarily associated with a “less than fully mature battlespace, less than major conflict.”
  – Contiguous and non-contiguous battlespace
  – Distributed forces

• **Organizations: JTF and below (SOF and CF)**
  – Fire support coordination and liaison elements
  – Current and future operations groups
  – Joint fires assets

**Emphasis on TTP**

• **Maneuver Issues**
  – Integration of planning and execution
  – Assignment/assumption of battlespace
  – C2, maneuver and airspace control measures

• **Fire Support Coordination Issues**
  – C2 of lethal fires and fire support coordination measures
  – Fratricide avoidance
Purpose: Develop a NCOE Joint Integrating Concept (JIC) with illustrative CONOPS to be the basis for a Capabilities Based Assessment (CBA).
“As-Is” SOF/CF C2 Interoperability

Limited use of Net-Centric Enterprise Services

Lack of Client Server Interoperability

Manual Interface Through “LNOs”

Inconsistent Stovepipe Situational Awareness

C4ISR Stovepipes

Manual Interface Through “LNOs”
Test Concept

• Three field tests (FT) prior to JIISO closeout in March 07
• Leverage scheduled exercises as test venues
  – Most affordable and least disruptive to training and deployment cycles
  – Venues:
    • Primary - FTX
    • Secondary - CPX
  – First FT is planned for Joint Readiness Training Center (in May 05)
  – Joint National Training Capability (JNTC) exercises are also good opportunities for testing based on force participation, and inclusion of JT&E exercise objectives
  – OCONUS Chairman’s exercises outside USCENTCOM theater least impacted by current deployment tempo
Products Development Process

Gather Information

Analyze Information

Decide

- AD HOC TTP & SOP *proven during operations* that do not require further testing
- SOF/CF rubs that can be fixed, but enhancements *require field testing*
- Outside JIISO Scope/Capability

Quick-Turn Products

Field Tests

Hand Off to Others

Resultant Products
Guidelines, TTP Handbooks; Other Doctrine, Organization Training and Materiel Recommendations, and Graphic Training Aids

- **CF - SOF Integration & Interoperability Handbook**
- **SOF - CF Tactical Situational Awareness Handbook**

JRTC 05-07 May 05
• Vetted with SOF and CF communities
• To be introduced in April 05 to units participating in FT1

Handbook Chapters

- Integration and Interoperability
- Command and Control
- Liaison and Control Elements

- Characteristics and Capabilities/Limitations
- Planning Integrated Operations
- Joint Fire Support
- Intelligence
**SOF - CF Tactical Situational Awareness Handbook**

- **As-Is Deficiencies**
  - Inconsistent data classification
  - Inconsistent system classification
  - Manually discrete track management
  - Limited SOF tactical COP
  - Manual LNO track deconfliction
  - Stovepipe COP interoperability

- **JIISO Enhancements**
  - Data classification awareness
  - System classification awareness
  - System interoperability considerations
  - System interoperability work-arounds
  - SOF track management guidance
Warfighters and Services validate conclusions and recommendations

- General Officer Steering Committee (GOSC)
- Joint Warfighter Advisory Group (JWAG) - Action Officer Level

Subject matter experts add validity early in the planning and evaluation process through symposiums and workshops

- Select JWAG members – “operators”
- Technical Advisory Group – systems expertise
JIISO Early Focus Areas

- TTP Focus areas:
  - * Planning/Execution for Integrated Maneuver and Fire Support Missions to achieve mutually supporting objectives
  - Synchronization of SOF/CF fires (surface/air) by maintaining Situational Awareness between SOF/CF
  - Dissemination and Management of Control and Coordination Measures between SOF/CF
  - TTP for improving the employment of CF Air Support of SOF
  - SOF/CF Standardized Collaboration
  - * Enhanced Situational Awareness through Fires Connectivity
  - * SOF/CF Tactical Blue Force Situational Awareness
  - * Embedding the AOB inside the CF TOC
  - * TLAM Deconfliction with SOF

* Expect to implement TTP improvements prior to FT1
Summary

As a result of the JIISO JT&E, the Joint Force Commander’s integration and interoperability of SOF and CF during planning and execution of maneuver and fire support coordination will be improved and streamlined with more timely actions and increased opportunities with less potential for fratricide.

Bottom line: JIISO will enable net centric operations through improvements to DOTMLPF.