

Joint Integration and Interoperability of Special Operations (JIISO)

Joint Test and Evaluation (JT&E)



***NDIA – Net Centric Operations,
Interoperability & Systems
Integration Conference***

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JIIISO JT&E



Agenda



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- **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



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To provide information concerning the JIISO JT&E and JIISO's contributions to Net Centric Interoperability.



JIIISO JT&E Chartered by OSD



JIIISO JT&E

- 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 JIIISO
 - 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



General Officer Steering Committee (GOSC)



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Name	Position
LTG Wagner (Co-Chair)	DCDR United States Joint Forces Command (USJFCOM)
VADM Olson (Co-Chair)	DCDR United States Special Operations Command (USSOCOM)
To Be Determined	ASD Special Operations and Low Intensity Conflict
MG Parker	CG JFK Special Warfare Center and School
RADM Zelibor	Director of Global Operations, United States Strategic Command
Maj Gen Peterson	Director Operations & Training, DCS Air & Space Operations, Air Staff
Mr. Crisp	Deputy Director Air Warfare, DOT&E, OSD
BG Risher	Director Center for Knowledge & Futures, USSOCOM and President, Joint Special Operations University
BGen Neller	Director Operations; Plans, Policies & Operations; HQ USMC
Brig Gen Burda	Director of Operations, Air Force Special Operations Command
BG Freakley	Commander, Army Infantry Center
RDML Mahon	Director <i>Deep Blue</i> , CNO Staff



JIISO Mentors



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Name	Position
William Tangney (LTG [Ret])	Senior Mentor
Stephen Moore (SES-4)	Dir Joint Training, Analysis and Simulation Center, USJFCOM
Steven Derganc (SES-2)	Dir Joint Interoperability and Integration (JI&I), USJFCOM J8
Jack Zavin (GS-15)	Chief Information Interoperability, Architecture and Interoperability, OASD for Networks and Information Integration
Dr. Bob Bell (GS-15)	Scientific Advisor, Marine Corps Operational Test and Evaluation Activity



Mission Statement



JIISO JT&E

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



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- **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

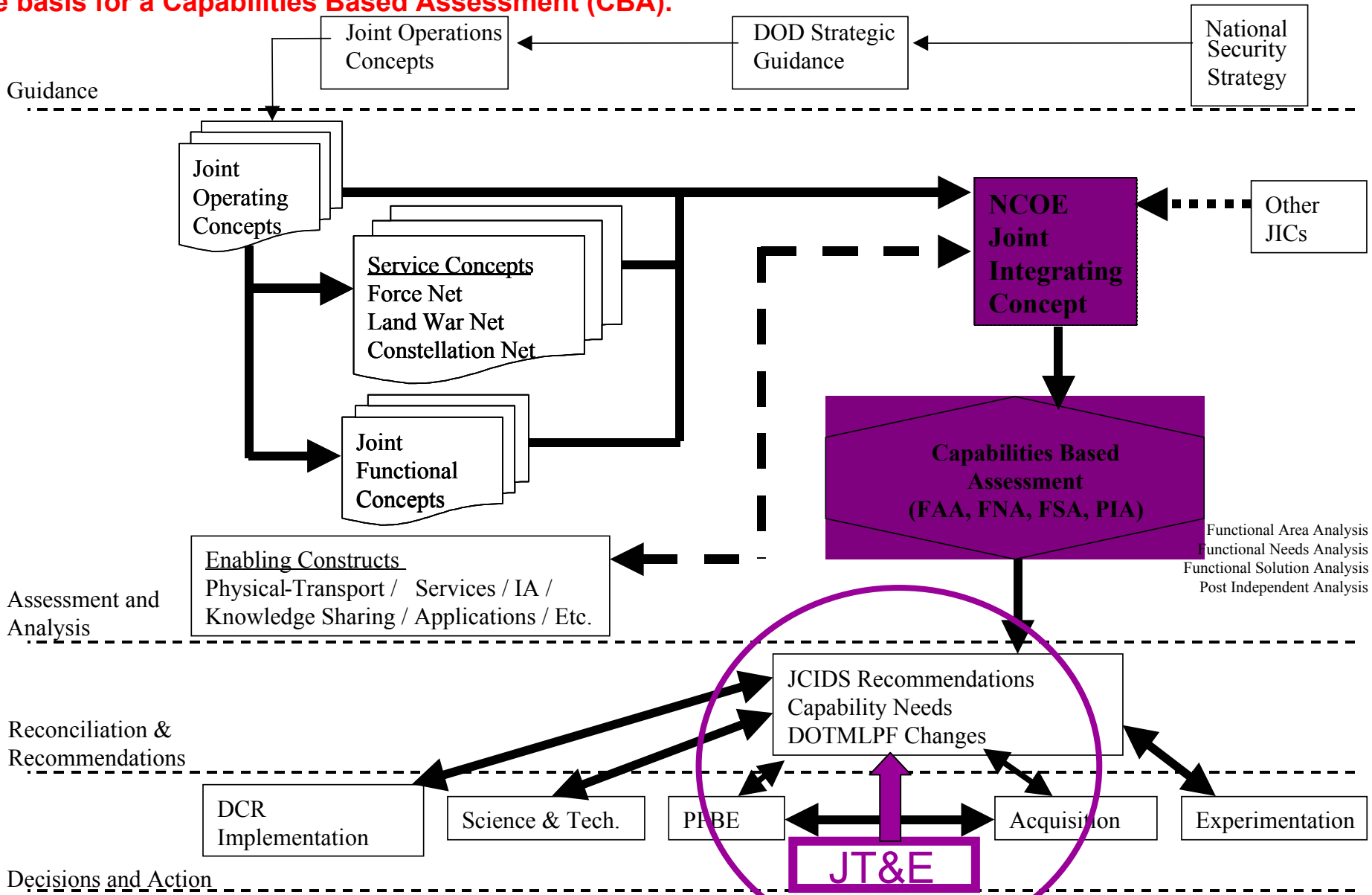


Adapted from the Net-Centric Operational Environment (NCOE) Project Brief 1-12-05



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Purpose: Develop a NCOE Joint Integrating Concept (JIC) with illustrative CONOPS to be the basis for a Capabilities Based Assessment (CBA).



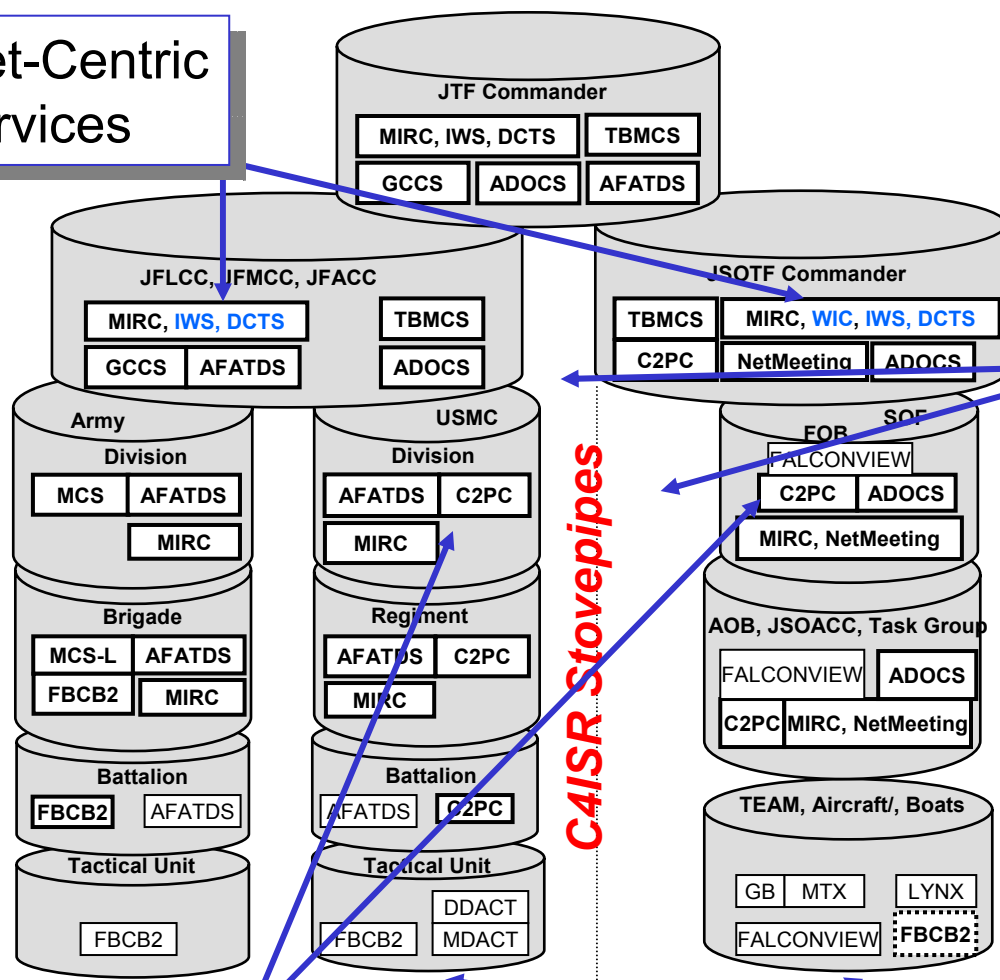


"As-Is" SOF/CF C2 Interoperability



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Limited use of Net-Centric Enterprise Services



Manual Interface Through "LNOs"

Lack of Client Server Interoperability

Inconsistent Stovepipe Situational Awareness



Test Concept



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- Three field tests (FT) prior to JIIISO 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



JISSO JT&E

Gather Information

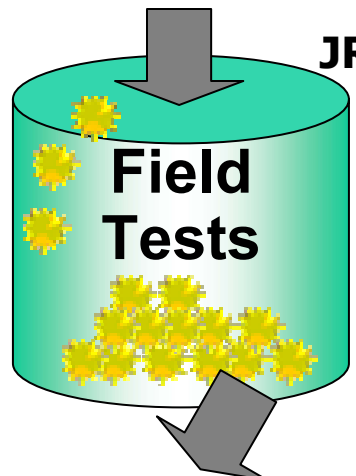
Analyze Information

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*

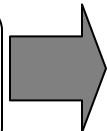
Outside JISSO Scope/Capability



JRTC 05-07
May 05



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



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



CF - SOF Integration and Interoperability Handbook



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- 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



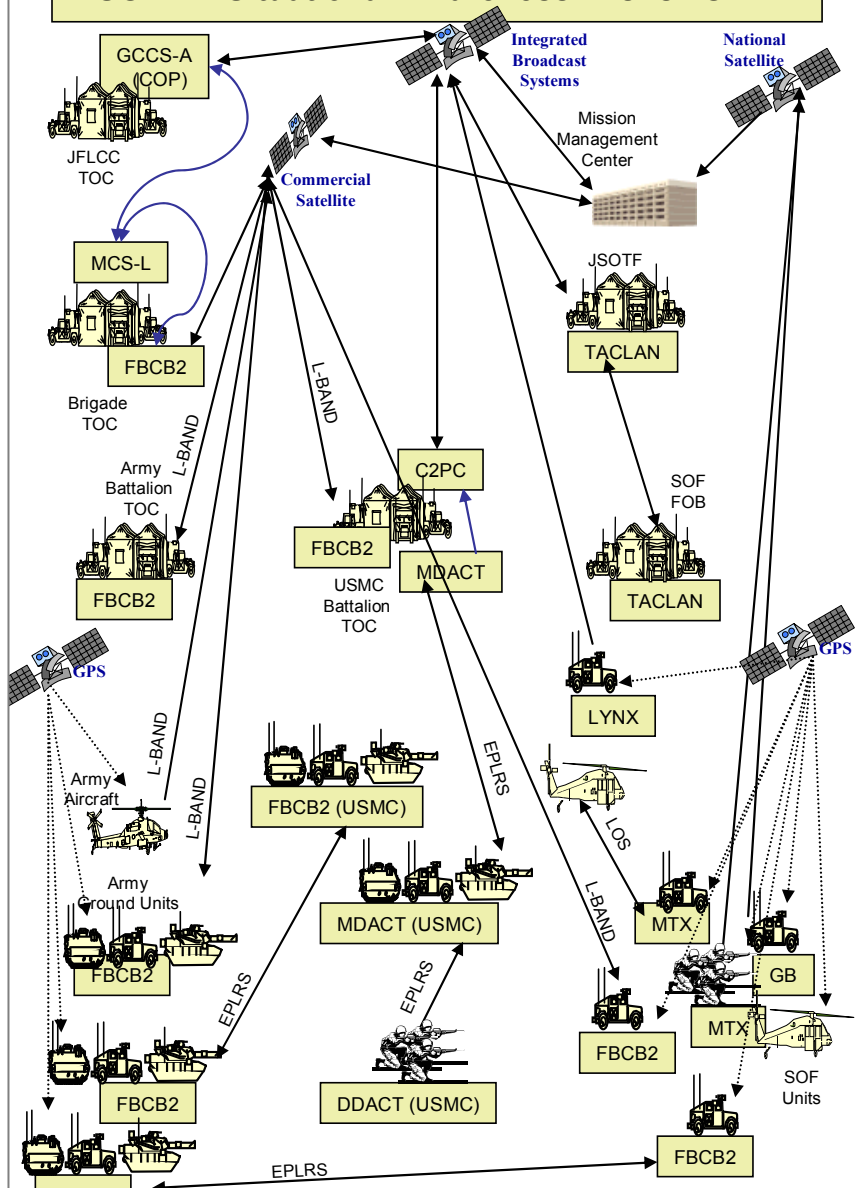
SOF - Operational

Situational Awareness Handbook



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SOF-CF Situational Awareness "As-Is" OV-1



• 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

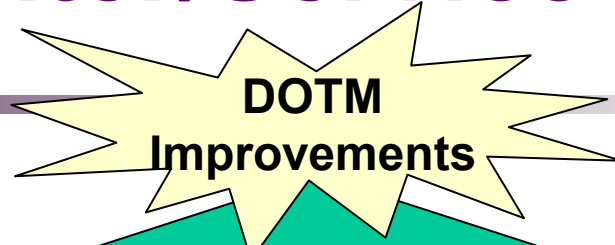
- Data classification awareness
- System classification awareness
- System interoperability consideration
- System interoperability work-around
- SOF track management guidance



Warfighter/Service Involvement



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Conclusions & Recommendations

GOSC
JWAG

Conclusions & Recommendations

JWAG
JIISO Service Deputies

Observations

Subject Matter Experts
JIISO Analysts

Summary of Sub Issues

Measures of Effectiveness

Summary of Sub-Sub Issues

Measures of Performance

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



JIIISO Early Focus Areas



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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

Capston
TTP

Foundat
TTP

Enabling
TTP

* Expect to implement TTP improvements prior to FT1



Summary



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As a result of the JIIISO 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: **JIIISO will enable net centric operations** through improvements to DOTMLPF.



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