



***Joint Experimentation & Modernization  
From Today's Concepts to Tomorrow's Capabilities***

***COL Dave Ozolek, USA (Ret)  
Deputy Director, Joint Experimentation  
U.S. Joint Forces Command***

## Report Documentation Page

<b>Report Date</b> 15052001	<b>Report Type</b> N/A	<b>Dates Covered (from... to)</b> -
<b>Title and Subtitle</b> Joint Experimentation & Modernization From Today's Concepts to Tomorrow's Capabilities	<b>Contract Number</b>	
	<b>Grant Number</b>	
	<b>Program Element Number</b>	
<b>Author(s)</b> Ozolek, Dave	<b>Project Number</b>	
	<b>Task Number</b>	
	<b>Work Unit Number</b>	
<b>Performing Organization Name(s) and Address(es)</b> U.S. Joint Forces Command	<b>Performing Organization Report Number</b>	
<b>Sponsoring/Monitoring Agency Name(s) and Address(es)</b> NDIA (National Defense Industrial Association 2111 Wilson Blvd., Ste. 400 Arlington, VA 22201-3061	<b>Sponsor/Monitor's Acronym(s)</b>	
	<b>Sponsor/Monitor's Report Number(s)</b>	
<b>Distribution/Availability Statement</b> Approved for public release, distribution unlimited		
<b>Supplementary Notes</b> Proceedings from 3rd Simulation Based Acquisition conference, 15-17 May 2001, sponsored by NDIA, The original document contains color images.		
<b>Abstract</b>		
<b>Subject Terms</b>		
<b>Report Classification</b> unclassified	<b>Classification of this page</b> unclassified	
<b>Classification of Abstract</b> unclassified	<b>Limitation of Abstract</b> UU	
<b>Number of Pages</b> 11		



# *USJFCOM Mission*

*Joint Concept Development and Experimentation*



*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.***



## *So What Does That Mean?*

### *Joint Concept Development and Experimentation*



- **Acting as the Executive Agent for the SECDEF on Joint Concept Development and Experimentation**
  - Serves as *advocate* for the joint war-fighters
  - Develop a *common joint context* for future operations
  - Develop new *joint operational concepts* for future operations
  - *Synchronize and synthesize* the efforts of the Department (CINCs, Services, Agencies)
  - *Conduct experiments* to assess concepts
  - Produce *recommendations* for the SECDEF on doctrine, organization, training, material, leadership, personnel and facilities





# *A Balanced Joint Experimentation Program*

*Joint Concept Development and Experimentation*



## **Maintain current dominance**

*Enhance the capabilities of the current forces by quickly identifying innovative and current operational concepts, evaluating their potential and applying off-the-shelf solutions.*

**Enhancement**  
**Better kit**

**Evolutionary**  
**Better ways**

**Transformation**  
**Different Ways**

## **Actualize joint vision**

*Achieve and maintain full spectrum dominance with the Joint Vision Force through JE with evolutionary concepts*

## **Dominate the RMA**

*Through bold thinking, Shape America's Joint Force after Next (JFAN) by developing and exploring revolutionary concepts.*

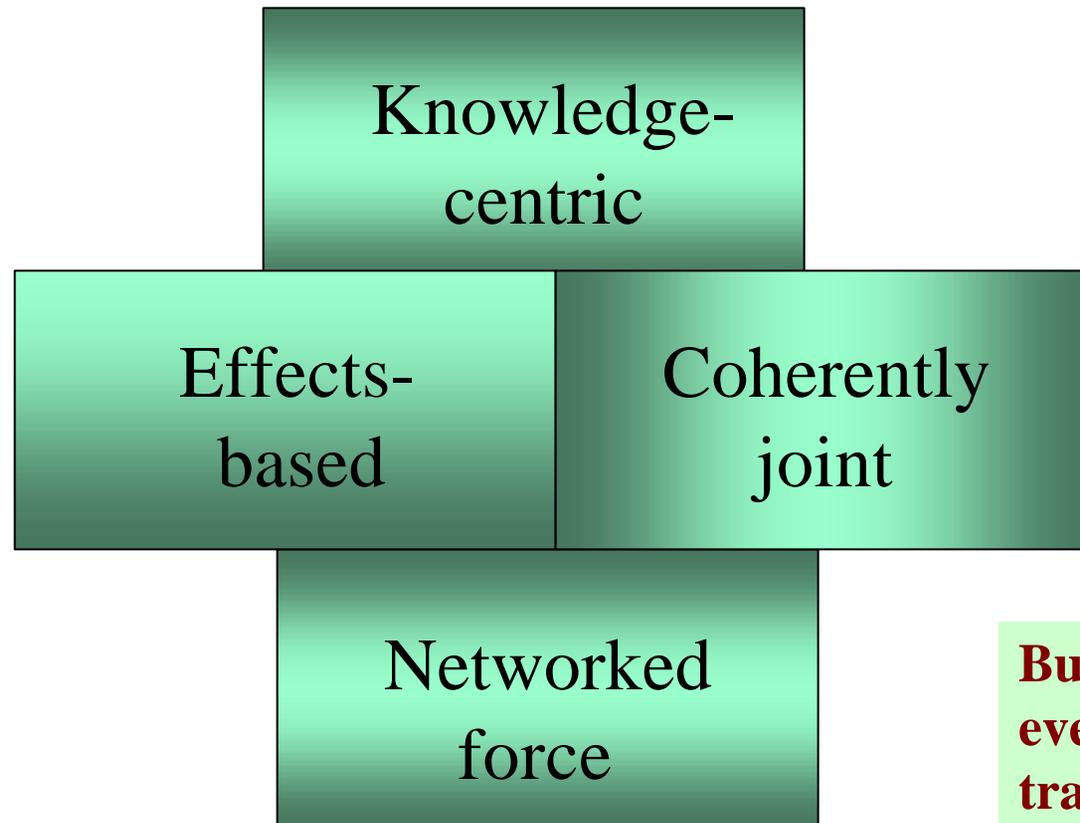


# Capstone Elements of Future Joint Operations

*Joint Concept Development and Experimentation*



**Knowledge : Mass**



**Focused on  
impact, not  
means**

**Joint  
precedes  
Service**

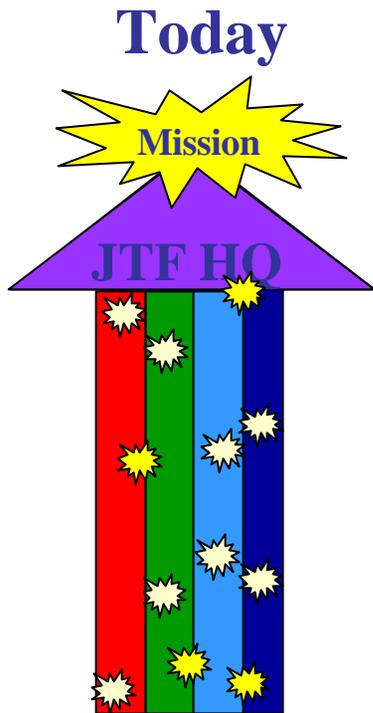
**Collaborative, not hierarchal  
Inter-dependent, not stove-piped**

**But, "...although  
everybody wants  
transformation,  
nobody wants to  
change."**

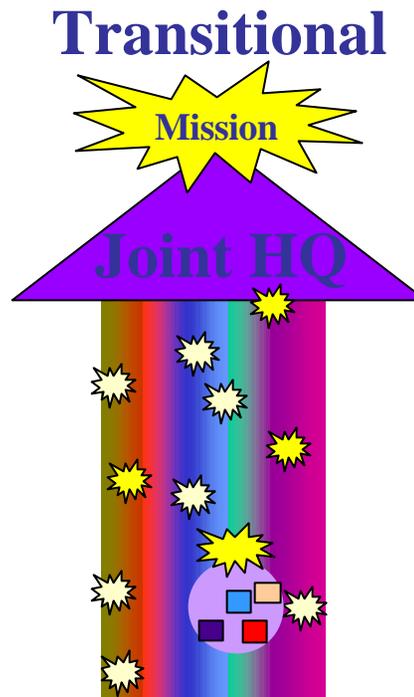


# Transforming Jointness

Joint Concept Development and Experimentation

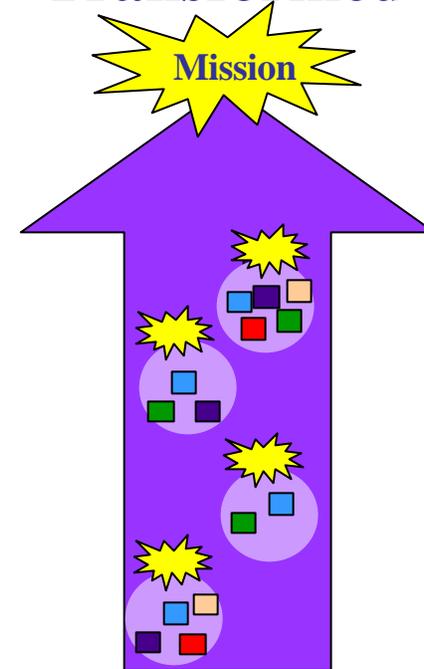


Jointness = deconfliction



Jointness = HQ integration

**Transformed**



Jointness = force integration

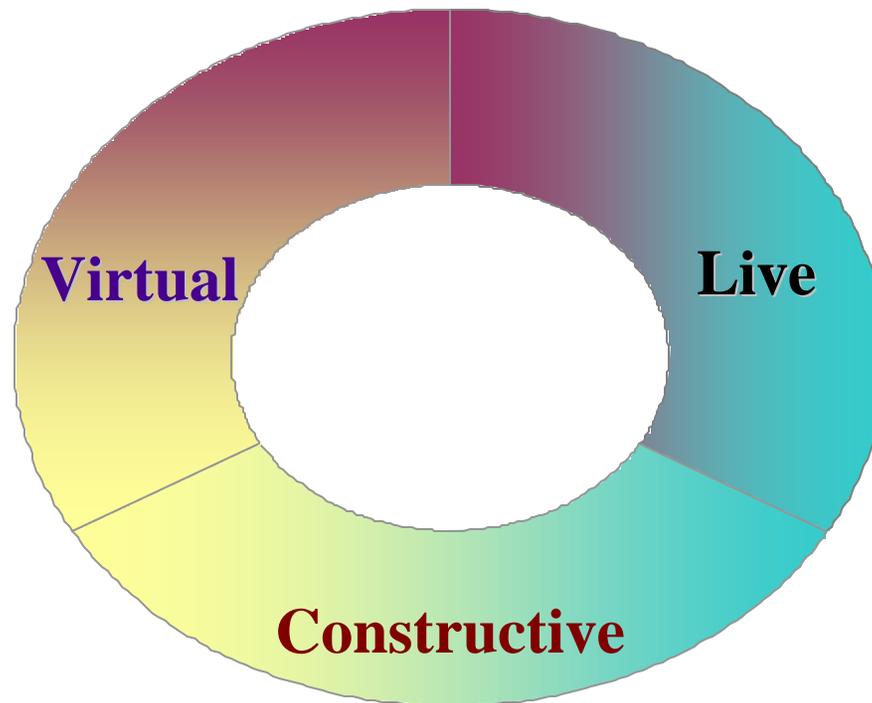


# *An Integrated Synthetic Environment*

*Joint Concept Development and Experimentation*



**Develop effective joint command and control processes and organizations using humans in the simulations loop**



**Validate findings using live forces with prototypical capabilities in real time and space before fielding decisions**

**Evaluate combinations of capabilities across the spectrum of operations using powerful constructive models**



# Experimentation Strategy



## Joint Concept Development and Experimentation

**Rapid Decisive Operations**  
*this decade*

Enhance today's capabilities

**Rapid Decisive Operations**  
*next decade*

Guide development of tomorrow's capability

**Investigate doctrinal change**

**Explore organizational change**

**Stimulate leader development**

**Develop training**

Materiel

Personnel

Facilities

Unified Vision 2001

Millennium Challenge 2002

Olympic Vision 2002  
Unified Vision 2003

Olympic Challenge 2004



# *What Paradigms Change?*

*Joint Concept Development and Experimentation*



- Services build to a common joint context
- CINCs have a role in shaping future force
- “Try before buy” construct
- Major decisions based on empirically derived results, not consensus
- Collaborative concept development



*Joint Concept Development and Experimentation*



# USJFCOM Industry Days

## 12-13 June, 2001

**For more information, go to <http://www.je.jfcom.mil>  
or contact LtCol Michelle Atchison at (757) 836-2855**