



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

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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



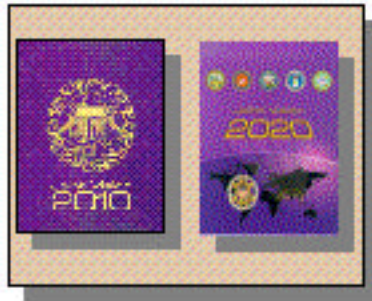
- **Acting as the Executive Agent for the SECDEF on Joint Concept Development and Experimentation**

- 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

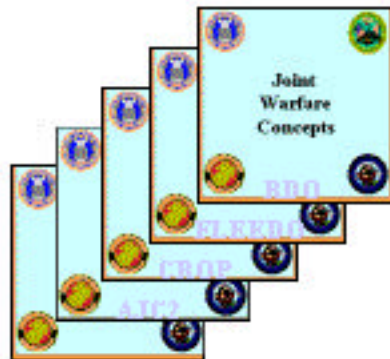
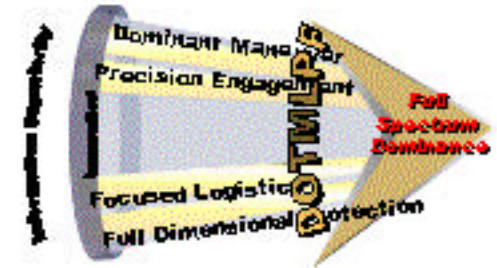


Joint Concept Development and Experimentation

Joint Concept Development and Experimentation



Provide the compelling vision of the **operational capabilities** of the future joint force



New concepts describe how the **future joint force** envisioned by *JV2020* will operate



The Future



Service experiments determine how well future service capabilities work

Joint experiments determine how well service capabilities work **together**





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

Actualize joint vision

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

Transformation

Different Ways

Dominate the RMA

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

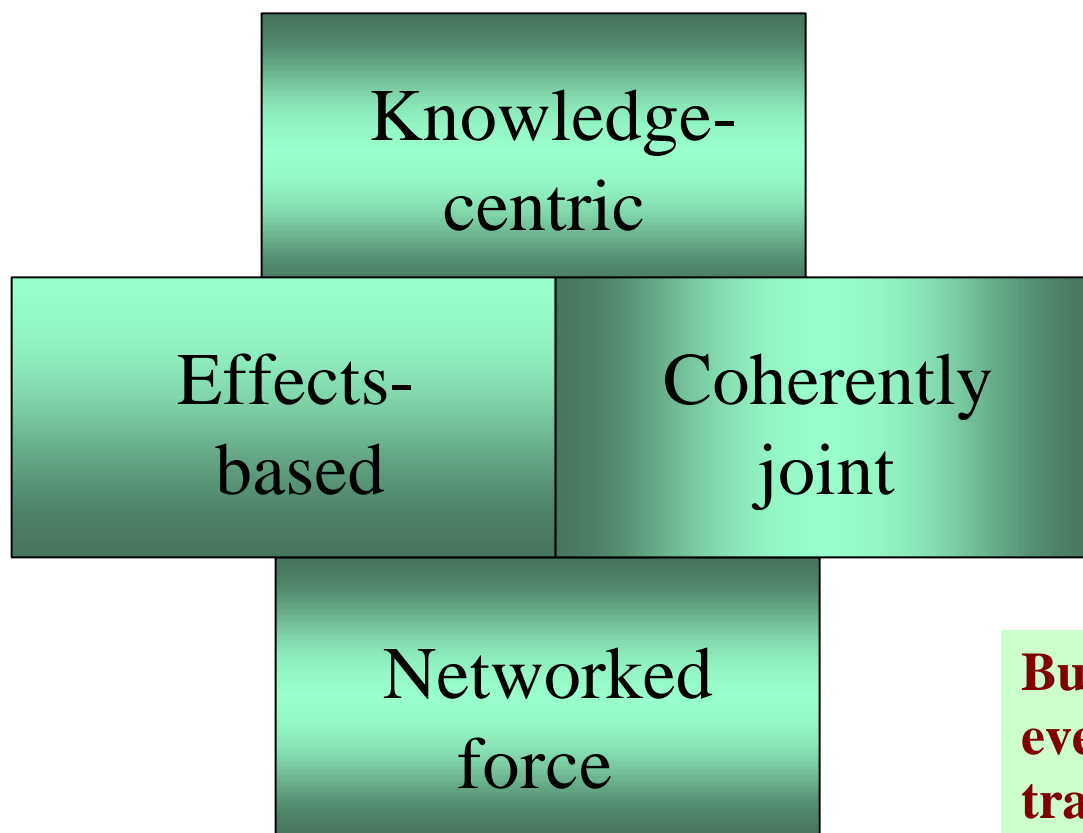


Capstone Elements of Future Joint Operations

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."**

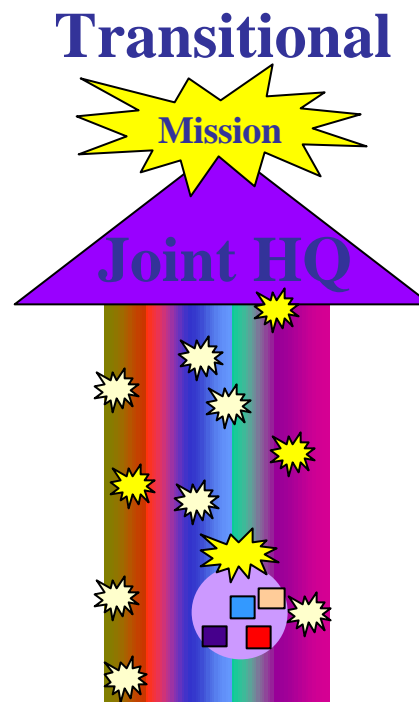


Transforming Jointness

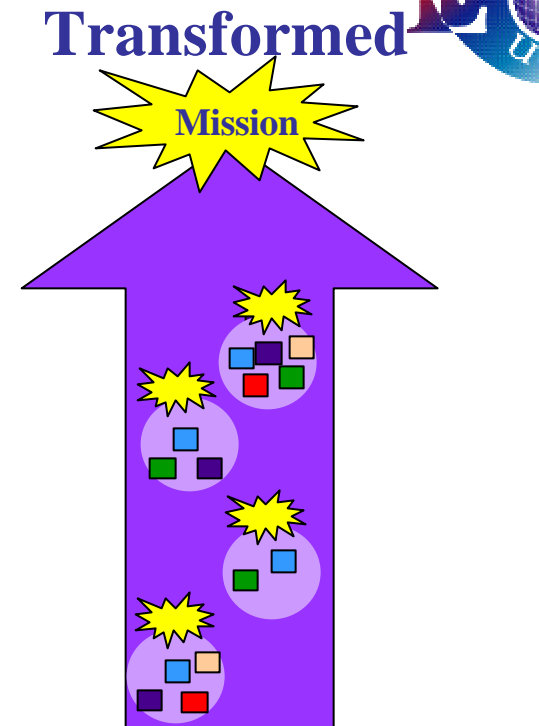
Joint Concept Development and Experimentation



Jointness = deconfliction



Jointness = HQ integration



Jointness = force integration

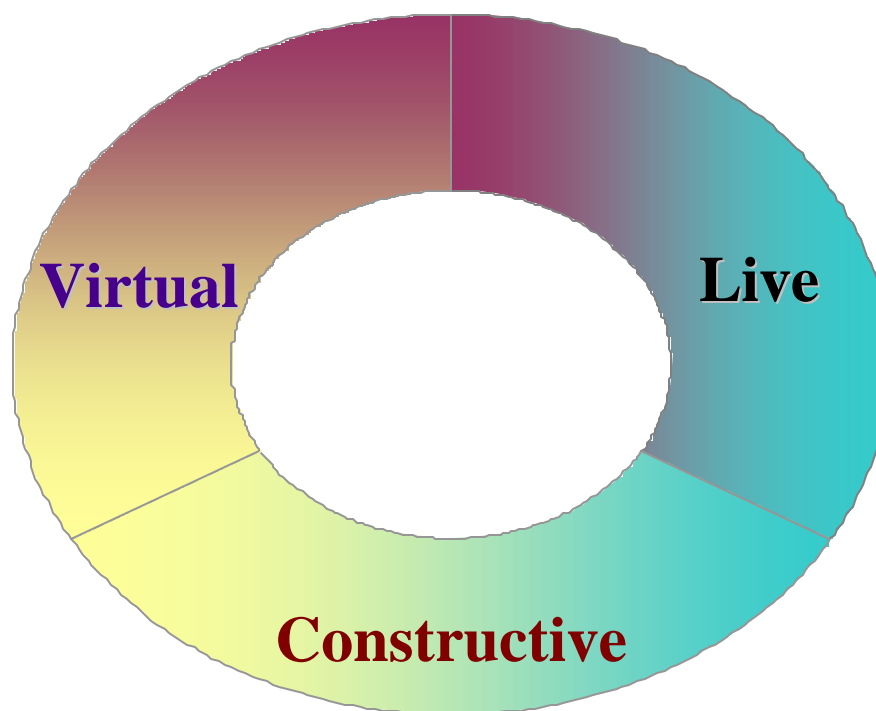


An Integrated Synthetic Environment

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
tomorrows 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**