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.

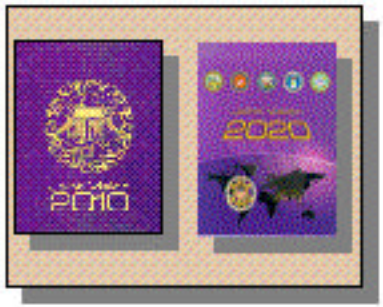
So What Does That Mean?

Joint Concept Development and Experimentation

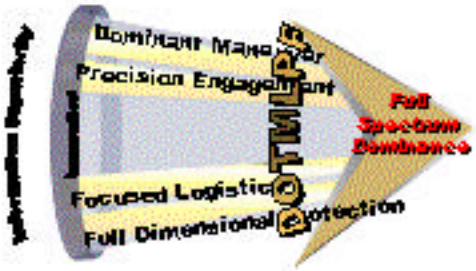
- **Acting as the Executive Agent for the SECDEF on Joint Concept Development and Experimentation**
  - **Serves as *advocate* for the joint war-fighters**
  - **Develop a *common joint context* for future operations**
  - **Develop new *joint operational concepts* for future operations**
  - ***Synchronize 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

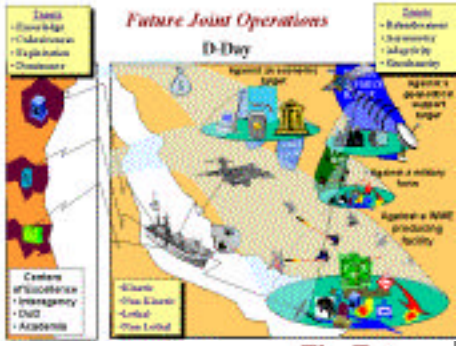
Joint Concept Development and Experimentation



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

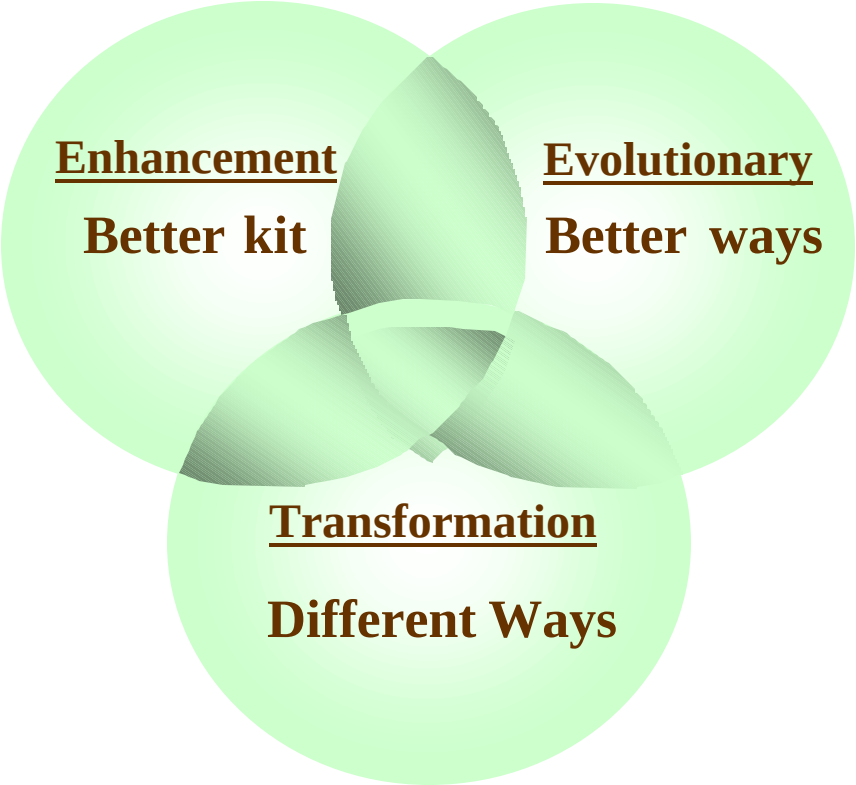
Joint experiments determine how well service capabilities work together

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.*



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

Knowledge-centric

Focused on impact, not means

Effects-based

Coherently joint

Joint precedes Service

Networked force

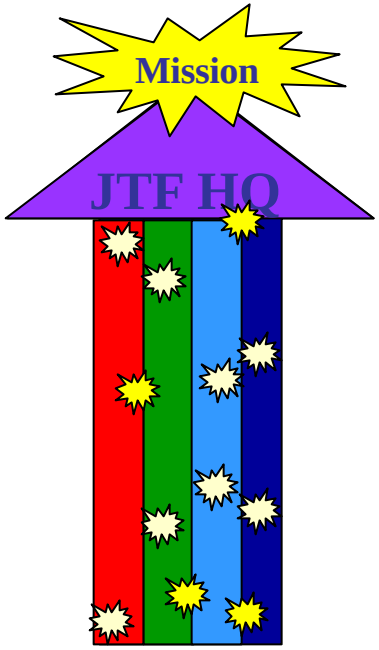
Collaborative, not hierarchal
Inter-dependent, not stove-piped

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

Transforming Jointness

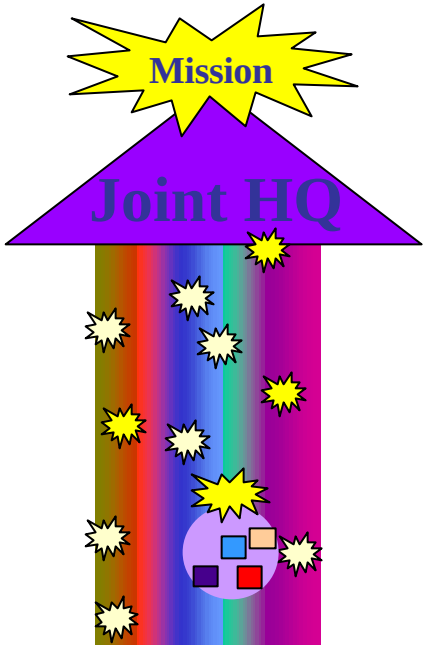
Joint Concept Development and Experimentation

Today



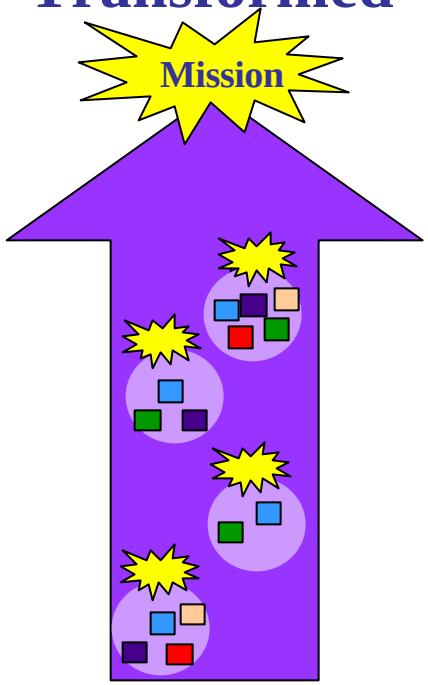
Jointness = deconfliction

Transitional



Jointness = HQ integration

Transformed

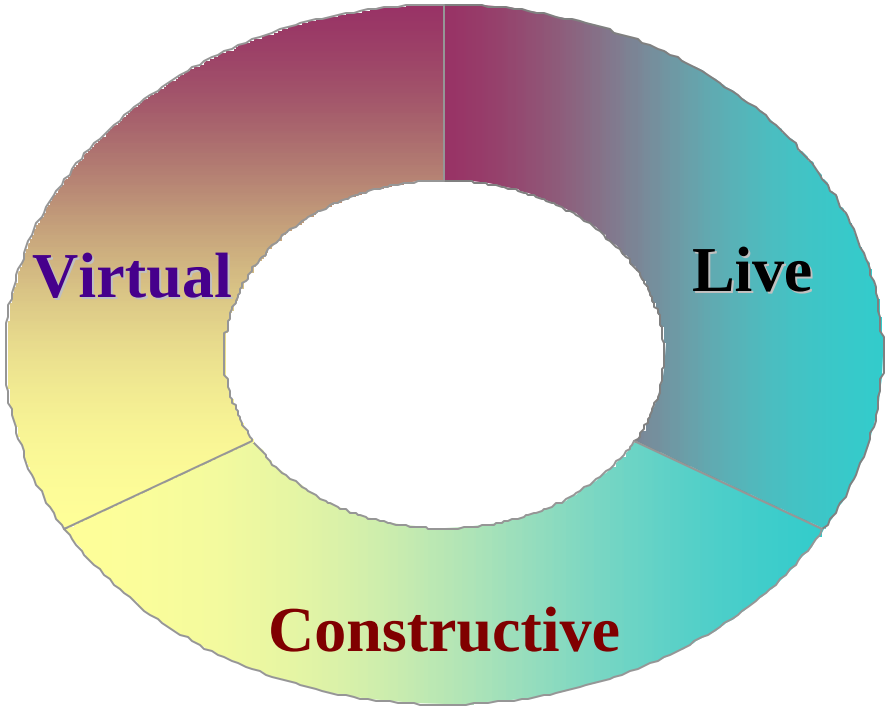


Jointness = force integration

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 tomorrows capability

Investigate doctrinal change

Materiel

Explore organizational change

Personnel

Stimulate leader development

Facilities

Develop training

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 <u>common</u> joint context**
- **<u>CINCs</u> have a role in shaping future force**
- **"Try before buy" construct**
- **Major decisions based on empirically derived <u>results</u>, not consensus**
- **<u>Collaborative</u> 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