Joint Experimentation & Modernization
From Today’s Concepts to Tomorrow’s Capabilities

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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

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

Service experiments determine how well future service capabilities work

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

**A Balanced Joint Experimentation Program**

**Joint Concept Development and Experimentation**
Capstone Elements of Future Joint Operations
Joint Concept Development and Experimentation

Knowledge : Mass

- Knowledge-centric
- Effects-based
- Coherently joint
- Networked force
- Collaborative, not hierarchal
  Inter-dependent, not stove-piped

Focused on impact, not means

But, “…although everybody wants transformation, nobody wants to change.”

Joint precedes Service
Transforming Jointness

Joint Concept Development and Experimentation

Today
JTF HQ
Mission
Jointness = deconfliction

Transitional
Joint HQ
Mission
Jointness = HQ integration

Transformed
Mission
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
- Evaluate combinations of capabilities across the spectrum of operations using powerful constructive models
- Validate findings using live forces with prototypical capabilities in real time and space before fielding decisions
Experimentation Strategy
Joint Concept Development and Experimentation

Rapid Decisive Operations
this decade
Enhance today’s capabilities

Investigate doctrinal change

Explore organizational change

Stimulate leader development

Develop training

Unified Vision 2001

Millennium Challenge 2002

Olympic Vision 2002
Unified Vision 2003

Olympic Challenge 2004

Rapid Decisive Operations
next decade
Guide development of tomorrows capability

Materiel

Personnel

Facilities
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
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