



Advanced Concept Technology Demonstrations and Joint Capability Technology Demonstrations

U.S. Joint Forces Command's (USJFCOM) Advanced Concept Technology Demonstrations (ACTD) and Joint Capability Technology Demonstrations (JCTD) accelerate and facilitate the application of mature advanced technologies to provide near-term solutions to meet joint requirements. USJFCOM's role includes user-sponsor and operational manager for select Office of the Secretary of Defense (OSD) ACTD/JCTD programs which provide new and transformational operational capabilities designed to benefit the joint warfighter. The Joint Concept Development and Experimentation Directorate (J9) manages and oversees the command's ACTD/JCTD program.

USJFCOM's tasks in the program include:

- Requirements analysis and validation
- Concept of operations development
- ACTD/JCTD manager training, demonstration and exercise planning and execution
- Conducting joint military utility assessments
- Transition to acquisition and fielding planning and support
- Tactics, techniques and procedures coordination and preparation
- Transformation change package development

USJFCOM is the user-sponsor and/or operational manager of the following ACTD programs:

- Adaptive Joint C4ISR Node (AJCN) – completes FY 2007
- Joint Force Projection (JFP) – completes FY 2007
- Weapon Data Link Network (WDLN) – completes FY 2007
- Personnel Recovery and Extraction aided by Smart Sensors (PRESS)
- Joint Precision Airdrop System (JPADS)
- Multi-sensor Aerospace/ground Joint ISR Interoperability Coalition (MAJIIC)
- Coalition Combat ID (CCID)
- Joint Unmanned Systems Common Control (JUSC2)
- Epidemic Outbreak Surveillance (EOS)
- Theater Effects Based Operations (TEBO)

Beginning in FY 2006, the ACTD program was restructured and all new starts are designated as JCTDs. The Joint Requirements Oversight Committee must first approve a capability or concept for it to be classified as a JCTD. OSD provides up to 50 percent of the funding for each JCTD, with combatant commands, the services and other agencies providing the remainder.

The deputy undersecretary of Defense for advanced systems and concepts and all combatant commands, including USJFCOM, sponsor ACTD/JCTDs. USJFCOM refines requirements, develops joint employment concepts of operation, and assesses transformational capabilities in a variety of relevant operational venues.

USJFCOM has participated in 33 ACTDs since 1994. Some of the completed ACTDs became initial operating capabilities, such as Predator and Global Hawk, while some were incorporated into other programs.