

## Deployable Joint Command and Control (DJC2)

### Executive Summary

- Concerns with maturity and compressed schedule caused the program office to move the Multi-Service Operational Test and Evaluation (MOT&E) from May 2005 to September 2005 and schedule a second developmental test event.
- The Navy was to execute the MOT&E for Increment I from September 7-16, 2005. Challenges and conditions encountered prior to and during the MOT&E caused the Program Executive Office to de-certify the Deployable Joint Command and Control (DJC2) as ready for operational testing on September 14, 2005.
- DOT&E is working with the Joint Program Office through the Test and Evaluation Integrated Product Team to identify a new test strategy.
- The Increment II schedule is changing to permit more time for operational experience and feedback with Increment I to refine the Increment II requirements.

### System

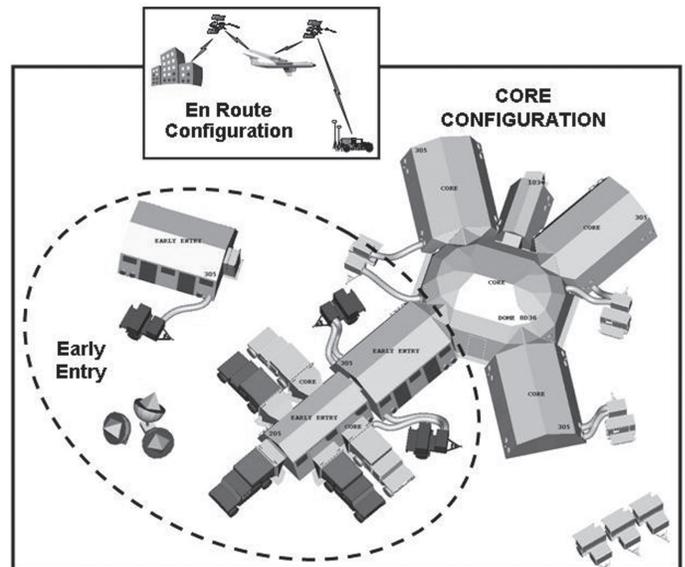
- DJC2 is a deployable integrated family of systems consisting of shelters, generators, environmental control, information technology, software applications, databases, networks, and communication support systems.
- DJC2 consists of three basic configurations:
  - A 10- to 20-position En Route configuration located on an aircraft
  - A 20- to 40-position Early Entry configuration
  - A 60-position Core configuration
- The Early Entry configuration is integrated with and becomes part of the larger Core configuration.
- For Increment I, selected Combatant Commands will receive one core and one En Route system.
- Increment II is currently being defined.

### Mission

- The Joint Task Force commander uses DJC2 to plan, control, coordinate, execute, and assess operations across the spectrum of conflict.

### Activity

- Developmental tests of the early entry and core configurations ended (December 2004 and May 2005).
- Milestone C occurred in March 2005 with the requirement for DOT&E to report to the Overarching Integrity Product Team (OIPT) chair following developmental testing in May 2005.
- MOT&E started on September 7, 2005, using the U.S. Southern Command Exercise Fuertes Defenses 2005 exercise. The test was conducted in accordance with the



- It provides tools and environments for collaborative planning, predictive battlespace situational awareness, dynamic asset synchronization and oversight, and executive battle management and control.
- The En Route configuration allows commanders to maintain situational awareness and perform limited command and control as they transit into the theater of operations.
- The Early Entry configuration allows the command to establish communications and command and control capabilities for a small 20-man forward element immediately upon getting into the theater of operations.
- The Core configuration provides limited communications and command and control capabilities to support planning and execution tasks performed by the Standing Joint Force Headquarters staff or Joint Task Force commander.

- DOT&E-approved Test and Evaluation Master Plan (TEMP) and test plan. During the event, the Program Executive Office de-certified the DJC2 as ready for operational testing. Limited resource availability and logistic supportability anomalies prevented completion of the test.
- The DJC2 En Route configuration is dependent on delivery of the Army's Secure En Route Communications Package – Improved (SECOMP-I) program. Due to delays in the

SECOMP-I program, the DJC2 Program Office moved test and delivery of the En Route configuration to a later spiral in Increment I.

- The Joint Program Office with support from the Joint Forces Command is planning a revised schedule for Increment II to permit time for feedback from operational experience with Increment I systems into the capabilities definition process. Consequently, DOT&E expects the Increment II Milestone B decision to move into FY07.

## Assessment

- Based on findings from the December 2004 developmental testing, DOT&E and the Joint Program Office assessed the system design and documentation as not mature enough to enter the MOT&E in May 2005. As a result, the MOT&E moved from May 2005 to September 2005 to mature the system design, complete documentation, and demonstrate essential functionality before operational testing. A second developmental test in May 2005 occurred to confirm progress.
- DOT&E reported to the OIPT chair in June 2005 that the concerns identified in December 2004 were demonstrated to our satisfaction and posed a low risk to the MOT&E. The report concluded that the DJC2 had made considerable

progress in systems integration, maturity of the design, and testing of essential functionality.

- The MOT&E for the early entry and core configurations began on September 7, 2005. Issues encountered during the MOT&E contributed to the decision to de-certify the system as ready for test. The test identified challenges with the training program and logistics supportability, resulting in an inability to effectively set up the DJC2 system. Due to Hurricane Katrina priorities, insufficient bandwidth was available to support operations during the test, thus the exercise scenario did not contain the robust use of DJC2 capabilities as originally expected.
- DOT&E is working with the Test and Evaluation Integrated Product Team to define an appropriate test strategy to support upcoming acquisition decisions.

## Recommendation

1. The Joint Program Office, with support from the Joint Forces Command and the Combatant Commands, should identify appropriate test venues for the MOT&E, and operational testing of the En Route configuration and remaining spirals of Increment I.