

## Global Command and Control System – Joint (GCCS-J)

### Executive Summary

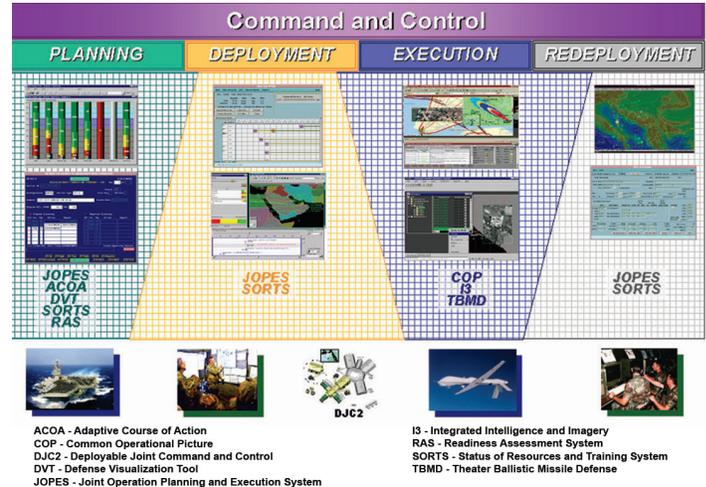
- The Joint Interoperability Test Command (JITC) tested the Global Command and Control System - Joint (GCCS-J) Global Release v4.1.1, in accordance with the DOT&E-approved test plan, at three Combatant Command Headquarters in June 2008. Testing identified deficiencies in the areas of the Integrated Imagery and Intelligence capability, installation, configuration, and documentation.
- JITC conducted a GCCS-J Global Release v4.1.1 regression test at U.S. Central Command (CENTCOM) in August 2008 to validate that corrective actions were adequate. DOT&E determined that the GCCS-J Global Release v4.1.1 was operationally effective, suitable, and survivable.
- JITC initiated a combined developmental/operational test of the GCCS-J Joint Operation Planning and Execution System (JOPES) v4.1.1 at six Combatant Command Headquarters in June 2008, but it was not completed. Problems with the integration of the Turbo Planner and the JOPES Data Network (JDNET) caused the program manager to forgo further development of JOPES v4.1.1 and to focus resources on JOPES v4.2.
- JITC planned a GCCS-J Status of Resources and Training System (SORTS) v4.1.1 operational test in June 2008; however, problems with the integration of web services for the Army and Navy caused the test to be cancelled. The program manager will forgo development and fielding of GCCS-J SORTS v4.1.1 and focus resources on GCCS-J SORTS v4.2.

### System

- GCCS-J is a command, control, communications, computers, and intelligence system consisting of hardware, software (commercial off-the-shelf and government off-the-shelf), procedures, standards, and interfaces that provides an integrated near real-time picture of the battlespace necessary to conduct joint and multi-national operations.
- GCCS-J consists of three main components:
  - GCCS-J v4.1.1 Global Release (Force Protection, Situational Awareness, Intelligence applications)
  - JOPES v4.1.1 (Force Employment, Projection, Planning and Deployment/ Redeployment applications)
  - SORTS v4.1.1 (Force Readiness and Sustainment applications)

### Activity

- JITC conducted operational testing of the GCCS-J Global Release v4.1.1 in June 2008 at CENTCOM, U.S. Pacific Command, U.S. Special Operations Command, and the Joint Staff Support Center in the Pentagon. Testing focused



- GCCS-J consists of a client/server architecture using open systems standards, government-developed military planning software, and an increasing use of World Wide Web technology.

### Mission

- Joint Commanders utilize the GCCS-J to accomplish command and control.
- Commanders use GCCS-J:
  - As an integrated, scalable command and control, communications, computers, and intelligence system
  - To link the National Command Authority to the Joint Task Force, component commanders, and Service-unique systems at lower levels of command
  - To process, correlate, and display geographic track information on friendly, hostile, and neutral land, sea, and air forces, integrated with available intelligence and environmental information to provide the warfighter a fused battlespace picture

### Prime Contractor

- Government Integrator (DISA)

primarily on the situational awareness and intelligence mission areas.

- JITC conducted the GCCS-J Global Release v4.1.1 regression test at CENTCOM Headquarters in August 2008.

# DOD PROGRAMS

- JITC conducted the combined developmental/operational testing of the GCCS-J JOPES v4.1.1 in June 2008, at multiple sites, including U.S. Transportation Command, U.S. Joint Forces Command, U.S. Southern Command, U.S. Northern Command, U.S. Pacific Command, U.S. Special Operations Command, and at the Joint Staff Support Center, Pentagon.

## Assessment

- During FY08, JITC tested GCCS-J Global Release v4.1.1. Testing identified deficiencies in the areas of the Integrated Imagery and Intelligence capability, installation, configuration, and documentation. DOT&E assessed the testing to be adequate.
- A GCCS-J Global Release v4.1.1 regression test was conducted by JITC at CENTCOM Headquarters to validate corrective actions were adequate. DOT&E determined that the GCCS-J Global Release v4.1.1 was operationally effective, suitable, and survivable.
- The combined developmental/operational test of the GCCS-J JOPES v4.1.1 never completed due to problems with the integration of the Turbo Planner and the JOPES JDNET. The program manager terminated development of JOPES v4.1.1 and shifted efforts to the development of JOPES v4.2 in late July 2008 in order to conserve resources and reduce user downtime.

- JITC planned a GCCS-J Status of Resources and Training System (SORTS) v4.1.1 operational test in June 2008; however, problems with the integration of web services for the Army and Navy caused the test to be cancelled. The program manager is continuing to work the integration issues in conjunction with other Block 5 requirements to support a delivery of GCCS-J SORTS v4.2.
- All three GCCS-J v4.1.1 builds (Global, JOPES, and SORTS) have had significant integration problems, which the program manager is working to mitigate. However, the GCCS-J program manager does not appear to have adequate test scripts or representative operational traffic to realistically stimulate the system in an operational environment.

## Recommendations

- Status of Previous Recommendations. The GCCS-J Program Management Office is making progress on DOT&E's three FY07 recommendations.
- FY08 Recommendation.
  1. The Defense Information Systems Agency should assess the GCCS-J developmental test program and develop options for improving the effectiveness of developmental testing across their Command and Control portfolio.