

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

Executive Summary

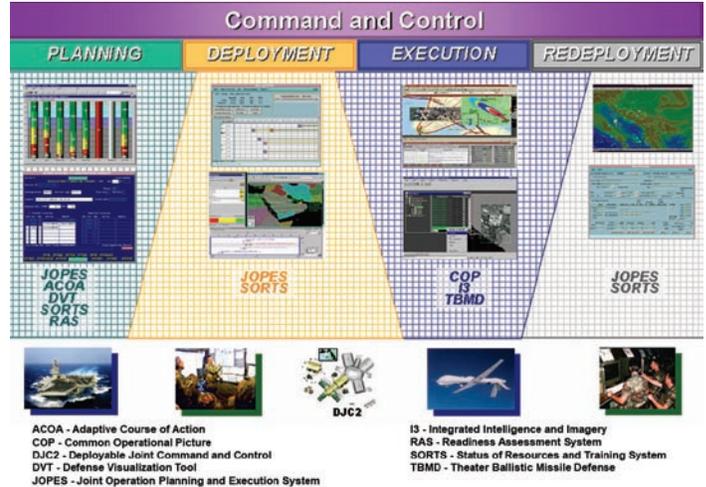
- The Joint Interoperability Test Command (JITC) conducted OT&E on the Global Command and Control System – Joint (GCCS-J) Global Release v4.2, the GCCS-J Joint Operational Planning and Execution System (JOPES) v4.2, and the GCCS-J Status of Resources and Training System (SORTS) v4.2 in FY09.
- Testing was adequate and in accordance with DOT&E-approved test plans.
- Testing identified deficiencies with each system. However, subsequent regression testing confirmed that corrective actions enabled adequate system operation.
- DOT&E determined that all three systems were operationally effective, suitable, and survivable.
- The Assistant Secretary of Defense (Networks and Information Integration) approved a Full Deployment Decision for the GCCS-J program in August 2009.

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 v4.2 Global Release (Force Protection, Situational Awareness, Intelligence applications)
 - JOPES v4.2 (Force Employment, Projection, Planning and Deployment/Redeployment applications)
 - SORTS v4.2 (Force Readiness and Sustainment applications)
- 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.

Activity

- Operational testing of GCCS-J Global Release 4.2, JOPES 4.2, and SORTS 4.2 conformed to the DOT&E-approved test plan and was adequate.
- The JITC conducted operational testing of GCCS-J Global Release v4.2 in February 2009 at U.S. Africa Command, U.S. Pacific Command, and U.S. Special Operations Command. Testing focused primarily on the situational awareness, intelligence mission, force protection, mission performance, and mission support areas.



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 (Defense Information Systems Agency (DISA))

Command, U.S. Fleet Forces Command, the Joint Staff, J39, and the Joint Staff Support Center in the Pentagon.

- The JITC conducted the GCCS-J JOPES v4.2 regression test at multiple locations in July 2009.
- The JITC conducted the GCCS-J SORTS v4.2 regression test at multiple locations in July and August 2009.
- The Assistant Secretary of Defense (Networks and Information Integration) approved a Full Deployment Fielding Decision for the GCCS-J program in August 2009.

Assessment

- Operational testing of GCCS-J Global Release 4.2 identified deficiencies pertaining to system scalability, administration, documentation, and training. A regression test validated that the corrective actions were adequate. DOT&E determined GCCS-J Global Release v4.2 was operationally effective, suitable, and survivable.
- Operational testing of GCCS-J JOPES 4.2 identified deficiencies impacting JOPES ability to effectively interface with select systems. Regression testing confirmed that the corrective actions enabled JOPES to interface with required systems. DOT&E determined GCCS-J JOPES 4.2 was operationally effective, suitable, and survivable.
- Operational testing of GCCS-J SORTS v4.2 identified problems pertaining to SORTS users' ability to perform

sourcing functions, launch applications, and perform queries in a timely manner; to properly exchange data with Army and Navy systems; and to synchronize data with JOPES. There were problems with data accuracy and completeness with Army and Navy feeder systems. The test identified problems with readiness reporting policies that impact Service reporting accuracy and timely feedback. A regression test in July and a second test in August 2009 validated corrective actions of all major deficiencies. Based upon the OT&E and two subsequent regression tests, DOT&E determined GCCS-J SORTS v4.2 is operationally effective, suitable, and survivable.

Recommendations

- Status of Previous Recommendations. The GCCS-J Program Management Office has made only modest progress on DOT&E's FY08 recommendation pertaining to improving the effectiveness of developmental testing. Effective developmental testing remains a challenge.
- FY09 Recommendation.
 1. The Director for Operations, The Joint Staff, J3, should review readiness reporting policies in coordination with the Commander, U.S. Joint Forces Command, to improve Service readiness reporting accuracy and timely feedback.