Combatant Commanders Integrated Command and Control System (CCIC2S)

Executive Summary

- The Air Force Operational Test and Evaluation Center (AFOTEC) conducted an IOT&E in 1QFY07, and determined that the Combatant Commanders Integrated Command and Control System (CCIC2S) Spiral 2 is operationally effective and suitable. DOT&E concurs with this assessment.
- The 17th Test Squadron is preparing to conduct operational testing on Communications Processing System release 3 (CPS3) in 3QFY08.
- The Air Force modified the CCIC2S Block 2 scope into three separate efforts: sustainment of current capability, initiation of the Space Command and Control (C2) program, and future upgrade efforts.

System

- The Air Force initiated CCIC2S to integrate existing and legacy systems and update functionality supporting Integrated Tactical Warning and Attack Assessment, Information Operations, Shared Early Warning, and Theater Battle Management Core System functions. It provides terrestrial and space-based sensor data, processing and control nodes, Battle Management Command and Control nodes, and communications and dissemination links, including U.S. and Canadian defense information networks.
- The CCIC2S effort is structured in two blocks: Block 1 to address CCIC2S Operational Requirement Document requirements from January 2004 and Block 2 to address the Space C2; Space Situational Awareness; Air/Missile Warning; and Core Command and Control Capability Development Documents (CDDs).
- CCIC2S Block 1 consists of:
  - Air Warning - Completed as part of Spiral 1, January 2004
  - Missile Warning - Completed as part of Spiral 2, December 2006
  - Space Battle Management Core System (SBMCS) - Completed as a precursor to Space Mission, June 2004
  - Communications Processor System 3 (CPS3) - Planned for operational testing in 3QFY08

  - Space Data Server - Replacement (SDS-R) - will be addressed by future Space Defense Operations Center capabilities
- CCIC2S Block 2 has been restructured to address each individual CDD with separate acquisition programs including Space C2, Integrated Space Situation Awareness, and the Rapid Attack Identification and Reporting System.

Mission

The North American Aerospace Defense Command (NORAD) and U.S. Strategic Command (USSTRATCOM) use CCIC2S as a comprehensive command and control tool to execute existing and future space operations and missile defense missions including support to other combatant commanders. Commanders will use CCIC2S capabilities to:

- Monitor worldwide sensor networks for potential threats
- Identify, assess, and characterize threats
- Warn the U.S. and Canadian National Command Authorities
- Recommend appropriate engagements based on the threats

Activity

- AFOTEC conducted an IOT&E on CCIC2S Spiral 2 during 1QFY07 in accordance with the DOT&E-approved Test and Evaluation Master Plan and Test Plan.
- AFOTEC completed its test report on the IOT&E of CCIC2S Spiral 2 with a final briefing to DOT&E on March 26, 2007.
- The 17th Test Squadron is developing the Test and Evaluation Master Plan for testing CPS3, the scaled-down part of the third spiral of CCIC2S Block 1.

Assessment

- AFOTEC successfully completed the IOT&E of CCIC2S Spiral 2 and evaluated the system to be operationally effective and suitable. DOT&E concurs with that evaluation.
- AFOTEC deferred testing of CPS3 to the 17th Test Squadron based upon an AFOTEC assessment that CPS3 represents a technology update rather than the addition of new capability. DOT&E determined that operational testing of CPS3 is necessary.

Recommendations

- Status of Previous Recommendations. There are no previous recommendations.
- FY07 Recommendation.
  1. The 17th Test Squadron should conduct planned CPS3 operational testing to complete the re-structured CCIC2S Block 1 program.