

## B-2 Radar Modernization Program (B-2 RMP)

### Executive Summary

- B-2 Radar Modernization Program (RMP) developmental efforts were ongoing in FY06 in support of RMP System Development and Demonstration. Delays in hardware deliveries and discovery of deficiencies during developmental testing resulted in a Milestone C slip from February 1, 2007, to April 17, 2007.
- Based on delays experienced in FY06, there is very little margin for the program to meet its classified operational fielding date.

### System

- The B-2 is a multi-role, low-observable bomber capable of delivering conventional and nuclear munitions. It has four turbofan engines and twin side-by-side weapons bays.
- The B-2 RMP features an Active Electronically Scanned Array radar operating on a new frequency.
- System avionics include a multi-mode radar, Global Positioning System-aided navigation, and a Defensive Management System for radar warning functions.
- The bomber's current principal weapons are the 2,000-pound and 500-pound Joint Direct Attack Munition.

### Mission

- Combatant commanders use the B-2 aircraft to attack global targets during the day or at night, in all weather, in highly



defended threat areas at the strategic, operational, and tactical levels of warfare.

- The B-2 engages high-value, heavily defended target sets including: command and control facilities, airfields, industrial complexes, logistical and air defense systems, lines of communication, and battlefield forces and equipment.

### Activity

- B-2 RMP testing was conducted in accordance with the January 2004 DOT&E approved B-2 Capstone Test and Evaluation Master Plan.
- Developmental test and evaluation, as part of the System Development and Demonstration, was ongoing throughout FY06.
- The Air Force Operational Test and Evaluation Center began an operational assessment of RMP capabilities in October 2006. The operational assessment is evaluating RMP progress towards meeting operational effectiveness and suitability in advance of Initial Operational Testing scheduled to begin in late FY07.

### Assessment

The program is progressing toward Milestone C. Delays in hardware deliverables and discovery during developmental testing in 2006 leaves little schedule margin for the program to meet the required classified fielding date.

### Recommendations

- Status of Previous Recommendations. There are no outstanding recommendations from FY05.
- FY06 Recommendations. None.

## AIR FORCE PROGRAMS