

## Transportation Coordinators' Automated Information for Movements System II (TC-AIMS II)

### Executive Summary

- The Army Test and Evaluation Command (ATEC) conducted operational testing of the Transportation Coordinators' Automated Information for Movements System II (TC-AIMS II) Block 3 capability during April and May 2007 at U.S. Army Europe.
- Operational testing was adequate and was conducted in accordance with a DOT&E-approved Test and Evaluation Master Plan and operational test plan.
- TC-AIMS II Block 3 is operationally effective, suitable, and survivable.
- TC-AIMS II requires additional operational testing to verify Block 2 software fixes. The operational testing should validate the Army's mobility concept of operations and evaluate the end-to-end integration of Blocks 2 and 3 for operational effectiveness and suitability prior to a full-fielding decision for the system.



### System

- The TC-AIMS II is a joint Major Automated Information System that interfaces with joint and Service movement and command and control systems, providing commanders in-transit information during movement operations.
- The Army is fielding TC-AIMS II in three blocks:
  - Block 1: Basic Unit Movement provides the Army and Navy with an initial, limited unit level mobilization capability.
  - Block 2: Enhanced Unit Movement provides the Army and Navy with enhanced capability to support all phases of mobilization from the home station to the port of embarkation.
  - Block 3: Joint Reception, Staging, Onward Movement and Integration (JRSOI) provides capability needed to complete the movement from port of debarkation and staging areas onward to forward tactical assembly areas.

### Mission

Commanders utilize TC-AIMS II to execute movement operations. These operations include:

- Providing movement requirements to U.S. Transportation Command to order strategic movement assets in support of operations for combatant commanders.
- Providing in-transit data to the Global Transportation Network in support of U.S. Transportation Command
- Supporting day-to-day traffic management operations in support of the Installation/Traffic Management Office
- Supporting in-theater distribution and movement control of deploying personnel and equipment in support of battlefield commanders

### Activity

- ATEC conducted operational testing on TC-AIMS II Block 3 with U.S. Army Europe units at Kaiserslautern, Germany, in March and April 2007.
- The OT&E was conducted in accordance with DOT&E-approved test plans.
- ATEC used existing Block 2 data to stimulate Block 3 functionality to assess its operational effectiveness and suitability. The operational test did not assess TC-AIMS II Block 2 general purpose users, capabilities, or end-to-end integrated capabilities of Blocks 2 and 3.
- The Army users participating in the Block 3 operational test consisted of lower, middle, and senior grade enlisted soldiers; civilian mobility coordination specialists; and middle grade transportation and mobility warrant officers and civilian managers. The Navy users included senior grade enlisted sailors and civilian mobility coordination specialist supervisors.

# ARMY PROGRAMS

## Assessment

- Operational testing of TC-AIMS II Block 3 was adequate. The Army and Navy mobility coordination specialist and movement managers were able to successfully execute assigned missions in a JRSOI scenario.
- The ATEC evaluation determined that the TC-AIMS II Block 3 software is operational effective, suitable, and survivable. DOT&E agrees with the ATEC evaluation.
- The TCAIMS II Block 3 operational test event did not assess integrated capabilities of Block 2 and Block 3 as an end-to-end system.
- There was no verification of Block 2 software fixes or an assessment of general purpose users during the operational test event.

## Recommendations

- Status of Previous Recommendations. The Army needs to continue the effort to improve Block 2 utility for the general-purpose user (FY05). The TC-AIMS II Program Management Officer has not provided an adequate plan to address DOT&E's recommendation for additional testing of Block 2 to verify correction of deficiencies (FY05).
- FY07 Recommendation.
  1. The TC-AIMS II Program Management Officer and ATEC should coordinate a follow-on test and evaluation that will verify Block 2 fixes and the integrated capabilities of Blocks 2 and 3.