

TRANSCOM REGULATING AND COMMAND & CONTROL EVACUATION SYSTEM (TRAC²ES)



Air Force ACAT IAM Program

Total Number of Systems:	1
Total Program Cost (TY\$):	\$163M
Average Unit Cost (TY\$):	\$163M
Initial Operating Capability:	3QFY01

Prime Contractor

Booz, Allen & Hamilton

SYSTEM DESCRIPTION & CONTRIBUTION TO JOINT VISION 2020

The TRANSCOM Regulating and Command & Control Evaluation System (TRAC²ES) is an Automated Information System (AIS) that combines transportation, logistics, and clinical decision elements into a seamless patient movement automated information system. It will be capable of visualizing, assessing, and prioritizing patient movement requirements, assigning proper resources, and distributing relevant data to deliver patients efficiently. The system automates the processes of medical regulation (assignment of patients to suitable medical treatment facilities) and aeromedical evacuation during peace, war, and contingency operations. TRAC²ES will automate Global/Theater Patient Movement Requirements Center (GPMRC/TPMRC) operations at Headquarters, United States Transportation Command (USTRANSCOM); Headquarters, United States European Command; and Headquarters, United States Pacific Command. TRAC²ES will also provide deployable Patient Movement Requirements Center capabilities to support CINC or JTF requirements. It will replace two existing legacy systems: the Defense Medical Regulating Information System and the Automated Patient Evacuation System. Neither of these systems can be economically modified to integrate with the Global Transportation Network (GTN) (DoD's transportation AIS) and the Theater Medical Information Program (DoD's deployable medical AIS). TRAC²ES supports the *Joint Vision 2020* concept of *focused logistics* by fusing information, logistics, and transportation technologies to provide rapid medical regulation and patient evacuation during crisis situations. It enables a deployed force to be more efficient in protecting lives.

BACKGROUND INFORMATION

TRAC²ES was originally planned to be a module of GTN. However, in late 1996 DoD decided to develop TRAC²ES as a separate system. Functional and technical responsibilities were assigned to the USTRANSCOM Surgeon General, with input from the Assistant Secretary of Defense (Health Affairs). In August 1997, technical program responsibility was transferred to the Air Force and AFOTEC was assigned as the independent OTA. In July 1998, TRAC²ES was granted Milestone I/II, which included the authority to award a development contract to Booz, Allen & Hamilton of McLean, VA. Subsequent cuts in funding have significantly delayed the program and virtually curtailed development after the IOC version is fielded in 2001.

TEST & EVALUATION ACTIVITY

The TEMP, which had been in final draft, is being re-worked to incorporate the latest acquisition strategy, and is expected to be submitted to OSD for approval soon. Working closely with USTRANSCOM and other user representatives, AFOTEC developed mission-level requirements that can be tested comprehensively during independent IOT&E. With DOT&E endorsement, AFOTEC developed a Combined Test Force (CTF) concept to integrate OT&E into the early stages of the acquisition process. As part of this process, IOT&E will be preceded by an Operational Field Test (a type of OA) in October 2000. The CTF process allows early deficiency identification and resolution, and facilitates incremental refinement prior to IOC.

AFOTEC has developed a draft IOT&E plan, and is prepared to begin independent IOT&E as soon as the system is ready. Dedicated IOT&E will focus on two major evaluation areas. The first area is Rapid Evacuation of Patients from Theater. AFOTEC will address this focus area during a 1-week command post exercise held in the Continental United States (CONUS). The second major evaluation area is Efficiency of Global Patient Movement Operations. AFOTEC will address this area by direct observation of TRAC²ES support of daily patient movement at the GPMRC at Scott AFB, IL; at the TPMRC at Ramstein AFB, Germany; and at several military medical treatment facilities throughout CONUS and Europe. Test activity is currently scheduled at these locations over a 6-week period beginning in January 2001.

TEST & EVALUATION ASSESSMENT

Since TRAC²ES is both a medical and a transportation system, the operational testers will need to be qualified in both fields. The system must meet the needs of the transporters, the medical providers at both ends, and most importantly the patients. The testers will have to deal with the technical challenges inherent in a new system with numerous interfaces, as well as the operational challenges of a system that crosses different disciplines. It has been a challenge to refine mission-level requirements that consider the needs of all users, including the USTRANSCOM proponent and the warfighting Commanders-in-Chief. DOT&E has worked closely with the medical and transportation functional communities, AFOTEC, and the TRAC²ES Program Management Office to address these issues in order to develop a comprehensive and effective test and evaluation plan.