

Theater Medical Information Program – Joint (TMIP-J)

Executive Summary

- The Army Test and Evaluation Command (ATEC) conducted a Multi-Service Operational Test and Evaluation (MOT&E) of Theater Medical Information Program – Joint (TMIP-J) Increment 2 Release 3, from August 13 – 21, 2015. The Air Force Operational Test and Evaluation Center, Marine Corps Operational Test and Evaluation Activity, United States Army Medical Department Board, the Air Force Medical Evaluation Support Activity (AFMESA), Marine Corps Tactical Systems Support Activity (MCTSSA), and the Joint Interoperability Test Command (JITC) all participated in the MOT&E.
- The Navy initiated its portion of the MOT&E aboard the USS *Carter Hall* (LSD-50) on November 2, 2015. The Navy Information Operations Command (NIOC) – Norfolk Red Team will conduct cybersecurity assessments aboard the USS *Carter Hall* (LSD-50) from January 7 – 11, 2016.
- The Army, Air Force, and Marine Corps completed MOT&E data collection at the end of FY15, and DOT&E began evaluation of the test data in early FY16.

System

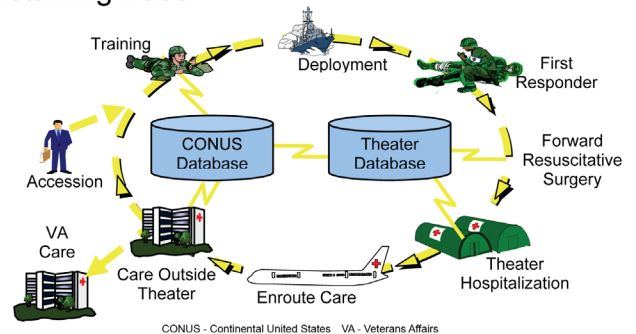
- TMIP-J is a Major Automated Information System that integrates software from sustaining base medical applications into a multi-Service system for use by deployed forces. Examples of integrated applications include the theater versions of the Armed Forces Health Longitudinal Technology Application, Composite Health Care System, and Defense Medical Logistics Standard Support.
- TMIP-J provides the following medical capabilities:
 - Electronic Health Records
 - Medical command and control
 - Medical logistics
 - Patient movement and tracking
 - Patient data to populate the Theater Medical Data Store (theater database) and the Clinical Data Repository (Continental U.S. database)
- The Services provide their own infrastructure (networks and communications) and computer hardware to host the TMIP-J software.
- TMIP-J consists of two increments. The Program Executive Office fielded Increment 1 in 2003 and is developing

Activity

- ATEC conducted an MOT&E of TMIP-J Increment 2 Release 3, in accordance with the DOT&E-approved test plan, from August 13 – 21, 2015. The Air Force Operational Test and Evaluation Center, Marine Corps Operational Test and Evaluation Activity, United States Army Medical Department Board, AFMESA, MCTSSA, and JITC also participated in the

Sustaining Base

Theater



Increment 2 in multiple releases with the following fielding dates:

- Increment 2 Release 1 – fielded in 2009.
- Increment 2 Release 2 – fielded in 2014.
- Increment 2 Release 3 was the system under test during 2015 and is the final TMIP-J release.
- The Program Executive Office initiated the Joint Operational Medicine Information Systems program in FY15. This program will replace portions of TMIP-J.

Mission

- Combatant Commanders, Joint Task Force commanders, and their medical staff equipped with TMIP-J can make informed and timely decisions about planning and delivering health care services in the theater.
- Military health care providers equipped with TMIP-J can electronically document medical care provided to deployed forces to support continuity of medical care from the theater to the sustaining base.

Major Contractors

- SAIC – Falls Church, Virginia
- Northrop Grumman – Chantilly, Virginia
- Akimeka LLC, Kihei – Maui, Hawaii

MOT&E. ATEC tested the Army and Air Force components of TMIP-J at AFMESA, Fort Detrick, Maryland, and Marine Corps portions of TMIP-J at MCTSSA, Camp Pendleton, California.

- In January 2015, the Army Research Laboratory Survivability/Lethal Analysis Directorate conducted a Cooperative

FY15 DOD PROGRAMS

- Vulnerability and Penetration cybersecurity assessment of the Army, Marine Corps, and Air Force portions of TMIP-J.
- In August 2015, the Threat System Management Office conducted a cybersecurity Adversarial Assessment for the Army, Air Force, and Marine Corps portions of TMIP-J in conjunction with the MOT&E.
- JITC reviewed all system interfaces and identified three joint interfaces that require interface testing to complete the TMIP-J Interoperability Certification process. JITC conducted interface testing in conjunction with the MOT&E in August 2015 and is collecting additional data in conjunction with the Navy portion of the MOT&E.
- The Navy initiated its portion of the MOT&E aboard the USS *Carter Hall* (LSD-50) on November 2, 2015. The NIOC – Norfolk Red Team will conduct cybersecurity assessments aboard the USS *Carter Hall* (LSD-50) from January 7 – 11, 2016.
- DOT&E will submit a TMIP-J MOT&E report for the Army, Air Force, and Marine Corps portions of TMIP-J and an addendum report to the Navy in 2QFY16.

Assessment

- The Army, Air Force, and Marine Corps completed data collection at the end of FY15, and DOT&E began evaluation of the test data in early FY16.
- DOT&E's MOT&E report will detail the results of testing on the Army, Air Force, and Marine Corps portions of TMIP-J.

Recommendations

- Status of Previous Recommendations. The program satisfactorily addressed all previous FY13 recommendations except for interface testing. JITC plans to complete interface testing in 1QFY16.
- FY15 Recommendations. None.