

Medical Simulation Training Center (MSTC)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Conducts standardized combat medical training for medical and nonmedical personnel in support of full-spectrum operations (FSO).

DESCRIPTION

The Medical Simulation Training Center (MSTC) systems are an Army training asset, with a regional training requirement, located at installations, delivering effective medical training with a standardized training platform for both classroom and simulated battlefield conditions. The goal is to better prepare Soldiers for the application of medical interventions under combat conditions.

The MSTC offers a standardized platform for training Medical Education and Demonstration of Individual Competence (MEDIC), Tactical Combat Casualty Care (TC3), and Combat Life Saver (CLS) Programs of Instructions (POIs).

The MSTC is a medical skills training platform where Soldiers can obtain and sustain their medical skills in accordance with TC 8-800. The MSTC affords Commanders the flexibility to

validate their Soldiers’ medical skills prior to deployment and allows the greatest latitude in creating training relevant to the contemporary operating environment (COE) and the unit’s mission essential task list (METL). The MSTCs are ideal locations where lessons learned from current military operations can be implemented and where Soldier medics can be educated on new battlefield procedures and equipment. The MSTC has the ability to provide comprehensive training in several formats: the classroom setting, practical hands-on training simulation, trauma lanes, and distance learning.

MSTC provides a standardized suite of supporting component systems including the Virtual Patient System (VPS), Instruction Support System (ISS), Medical Training Command and Control (MT-C2), and the Medical Training Evaluation System (MTES). MSTC maximizes the use of enabling technology and supporting training devices for both classroom and full tactical training capabilities. Computerized bleed-breathe mannequins that are weighted and airway equipped, part task trainers, audiovisual enhancements, camera surveillance,

computer labs and instrumented control rooms with a remotely managed training platform are all components of a standardized MSTC suite. The MSTC training methodology maximizes a reconfigurable, modifiable, and sustainable training capability to fully meet COE and FSO training requirements.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- 1QFY11: Fielded Camp Atterbury, IN, the last of the initial 18 MSTC sites

PROJECTED ACTIVITIES

- Further development and procurement of tetherless mannequin training capability, the MTES System, and the MT-C2 System
- Production and fielding of additional MSTC suites toward meeting the full requirement of 34 sites

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Medical Simulation Training Center (MSTC)

FOREIGN MILITARY SALES

None

CONTRACTORS

Medical Education Technologies
(Sarasota, FL)

Computer Sciences Corp. (CSC)
(Orlando, FL)

Kforce Government Solutions (KGS)
(Fairfax, VA)

