

Close Combat Tactical Trainer (CCTT)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides collective training for infantry, armor, mechanized infantry, cavalry units, and their associated staffs using manned module simulators within a virtual, synthetic environment, to improve readiness, provide more realistic collective training, and support urgent full-spectrum operations training requirements.

DESCRIPTION

The Close Combat Tactical Trainer (CCTT) is a virtual, collective training simulator that is fully interoperable with the Aviation Combined Arms Tactical Trainer (AVCATT). Soldiers operate from simulators representing Dismounted Infantry, Mechanized Infantry/Tank, Company Teams, Armored Cavalry Troops, or Combat Service Support weapon systems. Crewed simulators, such as the Abrams Main Battle Tank,

the Bradley Fighting Vehicle, the High Mobility Multipurpose Wheeled Vehicle (HMMWV), the Heavy Expanded Mobility Tactical Truck (HEMTT), and the M113A3 Armored Personnel Carrier offer sufficient fidelity for collective mission training. Modular components include the Reconfigurable Vehicle Simulator/Reconfigurable Vehicle Tactical Trainer (RVS/RVTT), which simulates the HMMWV, the Armored Security Vehicle (ASV), and the HEMTT. An additional capability for CCTT instructors/operators and training units is the Mobile Theater After-Action Review (MTAAR). The newest addition to the CCTT family of simulators is Dismounted Soldier (DS), which will provide individual Soldiers, fire teams, and squad leaders a capability to train infantry and Improvised Explosive Device-Defeat (IED-D) tasks in a fully immersive, virtual environment.

Soldiers use command and control equipment to simulate the battle direction of artillery, mortar, combat engineers, and logistics units to support their training mission. A semi-automated forces (SAF) workstation provides supporting units (such as

aviation and air defense artillery) and all opposing forces. All battlefield operating systems are represented, ensuring an effective simulation of a combat environment that encompasses daylight, night, and fog conditions. CCTT's virtual terrain databases cover 100 by 150 kilometers, 3.5 kilometers of active visual terrain, and eight kilometers of extended range for the M1A2 System Enhancement Program Abrams tank and the M2A3 Bradley Fighting Vehicle. CCTT supports training of both Active Army and Army National Guard units at installations and posts in the U.S., Europe, and South Korea.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

CCTT requires Synthetic Environment Core (SE Core) to provide terrain databases and virtual models; the One Semi-Automated Force (OneSAF) will provide a common SAF through SE Core in the future

PROGRAM STATUS

- **1QFY11:** Production and fielding of the RVTT to Ft. Sill, OK; Ft. Dix, NJ; Ft. Lee, VA; Ft. Hood, TX; and Ft. Campbell, KY

- **2QFY11:** Award of the Dismounted Soldier (DS) contract
- **2-4QFY11:** Production and fielding of the RVS/RVTT to Camp Shelby, MS; Ft. Jackson, SC; Camp Atterbury, IN; Camp Casey, South Korea; Camp Roberts, CA; and Ft. McCoy, WI

PROJECTED ACTIVITIES

- **2QFY12:** Production and fielding of the fixed and mobile RVTT to Camp Bullis, TX; Ft. Bragg, NC; and Gowen Field, ID
- **2QFY12:** User Acceptance Testing for DS, fielding of DS test suites at Ft. Benning, GA; Ft. Bragg, NC; and Ft. Leonard Wood, MO
- **3QFY12-4QFY12:** Production and fielding of Low-Rate Initial Production DS suites to Ft. Bliss, TX; Ft. Hood, TX; and Ft. Campbell, KY
- **4QFY12-2QFY14:** Production and fielding of CCTT Concurrency Upgrades for 8th U.S. Army, CCTT Mobiles, Ft. Hood, TX; Ft. Bliss, TX; Ft. Stewart, GA; Ft. Benning, GA; Ft. Riley, KS; and Ft. Carson, CO

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Close Combat Tactical Trainer (CCTT)



**Commander's Station
Abrams Tank**



Operator Control



RVS/RVTT

Fixed Site CCTT Company/Battalion/Task Force



**Dismounted
Soldier**



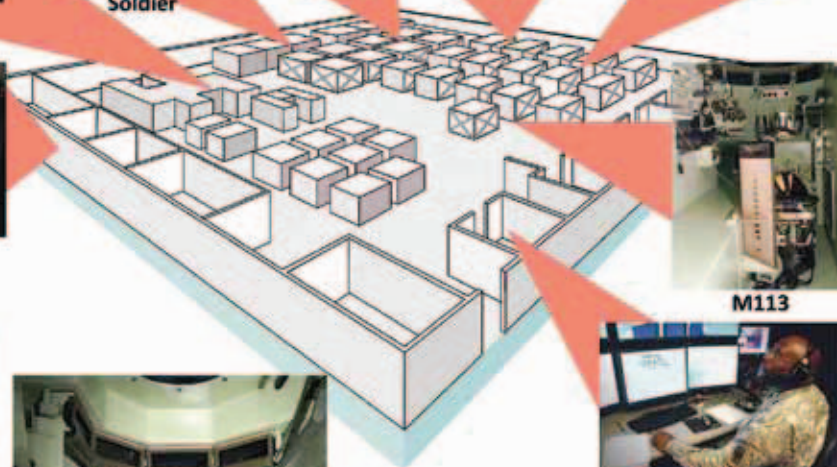
M2/M3



MIA2



MIA1



M113



After Action Review

Mobile CCTT Platoon Set



**Driver's Station
Bradley Fighting Vehicle**

FOREIGN MILITARY SALES

None

CONTRACTORS

Prime - RVS/RVTT:

Lockheed Martin (Orlando, FL)

Prime - Dismounted Soldier:

Intelligent Decisions (Ashburn, VA)

Prime - Post Deployment Software

Support (PDSS):

Kaegan Corporation (Orlando, FL)

Prime - Visual System:

Rockwell Collins (Salt Lake City, UT)

Prime - Man-Year Equivalents:

Electronic Consulting Services Inc.

(Fairfax, VA)

Sub - RVTT:

DRS Mobile Environmental (Cincinnati, OH)

Meggitt Training (Suwanee, GA)

Sub - Visual System:

Dedicated Computing (Waukesha, WI)

