

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 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). 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

instructor/operators and training units is the Mobile Theater After Action Review (MTAAR). In FY11, CCTT will add a Dismounted Soldier (DS) capability, which will consist of immersive, individual Soldier simulators to train both individual and collective tasks.

Soldiers use command and control equipment to simulate the battle direction of artillery, mortar, combat engineers, and logistics units to support the 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 M1A2 System Enhancement Program tank and 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, Korea, and Southwest Asia.

SYSTEM INTERDEPENDENCIES

In this Publication

One Semi-Automated Force (OneSAF) will provide a common SAF through SE Core in the future.

Other Major Interdependencies

CCTT requires Synthetic Environment Core (SE Core) to provide terrain databases and virtual models.

PROGRAM STATUS

- **1QFY10:** Successfully fielded both fixed and mobile CCTT RVS/RVTT to both CONUS and OCONUS locations
- **3QFY10:** Successfully fielded an Afghanistan virtual terrain database to the USAREUR CCTT facility

PROJECTED ACTIVITIES

- **1QFY11:** Production and fielding of the RVTT to Ft. Sill, OK; Ft. Dix, NJ; Ft. Lee, VA; Ft. Hood, TX; and Ft. Campbell, KY
- **2-3QFY11:** Production and fielding of the RVS/RVTT to Ft. Leonard Wood, MO; Camp Shelby, MS; Ft. Jackson, SC; and Camp Casey, Korea

ACQUISITION PHASE

Technology Development

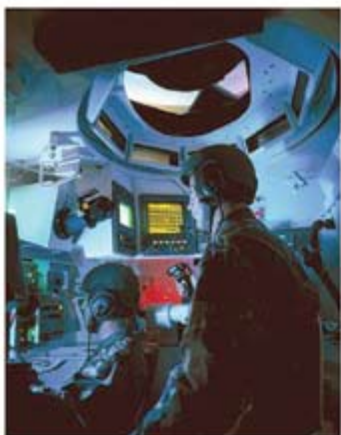
Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Close Combat Tactical Trainer (CCTT)

Fixed Site CCTT Company/Battalion/Task Force



**Commander's Station
Abrams Tank**



Operator Control



**Dismounted
Soldier**



M2/M3



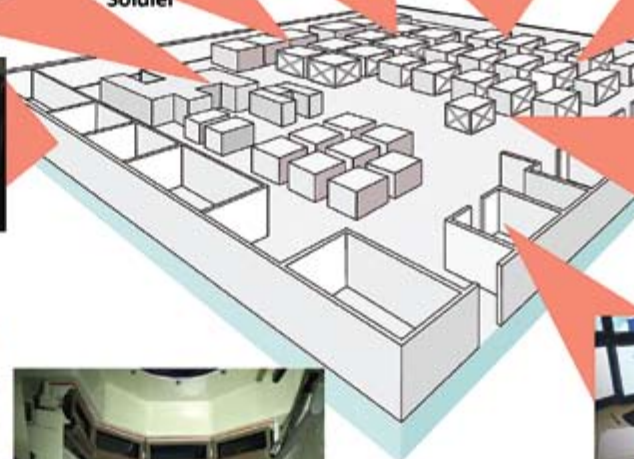
MIA2



MIA1



RVS/RVTT



M113



After Action Review

Mobile CCTT Platoon Set



**Driver's Station
Bradley Fighting Vehicle**

FOREIGN MILITARY SALES

None

CONTRACTORS

RVS/RVTT:

Lockheed Martin (Orlando, FL)
Post Deployment Software Support (PDSS):

Kaegan Corp. (Orlando, FL)

Visual System:

Rockwell Collins (Salt Lake City, UT)
Dedicated Computing (Waukesha, WI)

Manyear Equivalents:

Electronic Consulting Services, Inc.
(Fairfax, VA)

RVTT:

DRS Mobile Environmental (Cincinnati, OH)
Meggitt Training (Suwanee, GA)

