

Close Combat Tactical Trainer (CCTT)

Provides training of armor, mechanized infantry, and cavalry units from platoon through battalion/squadron echelon, including staff, with a virtual, collective training simulator.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Close Combat Tactical Trainer (CCTT) is a virtual, collective training simulator that is fully interoperable with the Aviation Combined Arms Tactical Trainer (AVCATT). Trainees operate from full-crew simulators and mock-up command posts. Crewed simulators—such as the Abrams Main Battle Tank family, the Bradley family, and the M113A3 armored personnel carrier—offer sufficient fidelity for collective mission accomplishment.

Infantry platoon and squad leaders can exit the Bradley Fighting Vehicle and move to dismounted infantry manned modules with control of virtual dismounted elements. Trainees use computer workstations in mock-up command posts to provide artillery, mortar, combat engineers, and logistics units to the synthetic battlefield.

Semi-automated forces workstations provide additional supporting units (such as aviation and air defense artillery) and all opposing forces. Thus, all battlefield operating systems are represented, ensuring effective simulation within a training environment that encompasses daylight, night, and fog conditions. CCTT supports training installations and posts in the United States, Europe, Korea, and Southwest Asia.

Program Status

- **3QFY06:** Mobile refurbishment of National Guard CCTT Louisiana Mechanized Platoon Set
- **3QFY06:** Fielding of CCTT XXI Force Battle Command Brigade and Below (FBCB2) at Ft. Hood
- **4QFY06:** Fielding of CCTT XXI FBCB2 Upgrades at Ft. Benning, Ft. Knox, and Ft. Stewart.
- **1QFY07:** Complete fielding of the initial Reconfigurable Vehicle Simulator to Ft. Hood, TX

Projected Activities

- **2QFY07:** Replace Fire Control System at all CCTT locations
- **3QFY07:** Production and fielding of the Reconfigurable Vehicle Simulator to CCTT installations
- **4QFY07:** Integration of Future Combat Systems (FCS) Spin Out 1 into CCTT at Ft. Bliss, TX
- **1QFY08:** Continue working with the FCS on capabilities required to train the Soldiers on FCS Spin Outs
- **1QFY08:** Continue production and fielding of the Reconfigurable Vehicle Simulator to CCTT installations. Begin production of Reconfigurable Vehicle Tactical Trainer to Infantry Brigade Combat Teams and other light units
- **FY08 and beyond:** Continue CCTT weapons systems currency and interoperability efforts and continue CCTT trainer unique performance improvement (technology refreshment) upgrades

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

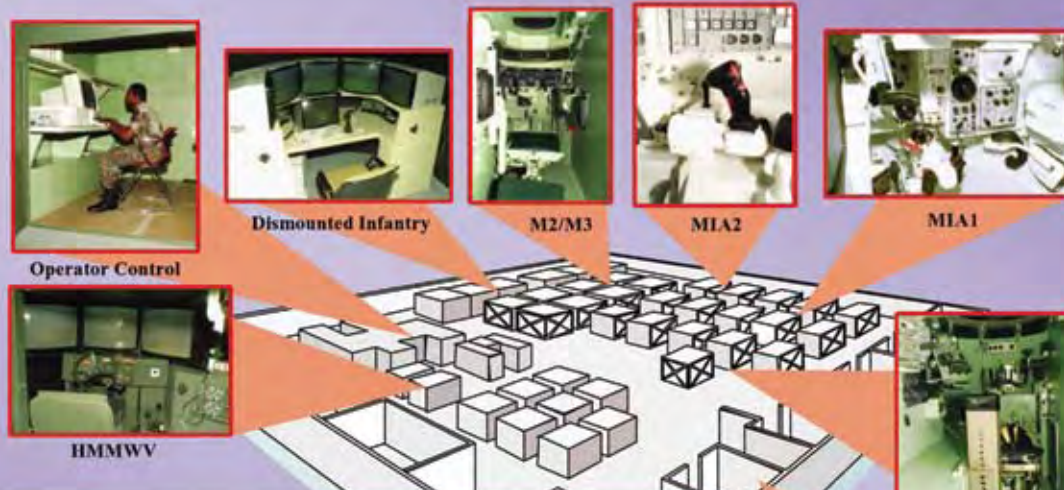
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FOREIGN MILITARY SALES

None

CONTRACTORS

Lockheed Martin (Orlando, FL)
 Rockwell Collins (Salt Lake City, UT)
 Computer Sciences Corp. (San Diego, CA)
 Kaegan Corp. (Orlando, FL)



CCTT SYSTEM CONFIGURATION

HIGH FIDELITY MANNED SIMULATORS



AFTER ACTION REVIEW

DATA LOGGER

INITIALIZATION & MAINTENANCE

- MAINTENANCE CONSOLE (MC)
- MASTER CONTROL CONSOLE (MCC)

TACTICAL WORKSTATIONS

- MOTAR FIRE DIRECTION CENTER
- UNIT MAINTENANCE COMMAND POST
- COMBAT TRAIN (LOG) COMMAND POST
- TACTICAL AIR COMMAND POST
- FIELD ARTILLERY BN TOC
- COMBAT ENGINEER SUPPORT
- BRIGADE HQ
- BATTALION TF TOC

SEMI-AUTOMATED FORCES (SAF) WORKSTATIONS

ENEMY FRIENDLY

TERRAIN DATABASES

- Desert (NTC)
- Temperate (Germany)
- Ft Hood, TX
- Kosovo
- Korea



After Action Review

