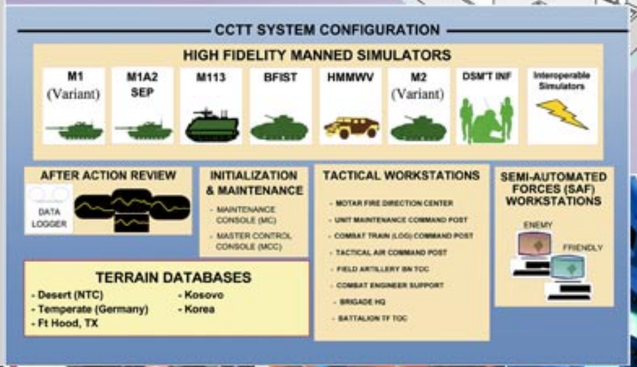
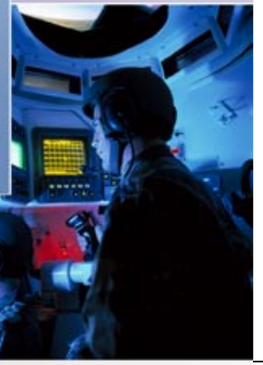
Close Combat Tactical Trainer (CCTT)

Provides armor, mechanized infantry, and cavalry units with a virtual, collective, training simulator.





DESCRIPTION AND SPECIFICATIONS
Close Combat Tactical Trainer (CCTT) is the first member of the Combined Arms Tactical Trainer (CATT) family of virtual, distributed interactive simulations for collective training. It supports training of armor, mechanized infantry, and cavalry units from platoon through battalion/squadron echelon, including the staff, and is fully interoperable with the Aviation Combined Arms Tactical Trainer (AVCATT).

The primary training audience operates from both full-crew simulators and mock-up command posts. Crewed simulators—the Abrams M1A1, M1A1D, M1A2, M1A2 SEP, M2/3A2, M2/3A2ODS/D, M2/3A3, Bradley FIST-V, BFIST, M113A3 armored personnel carrier, M93 Fox, Dismounted Infantry Manned Module (DIMM), and High Mobility Multipurpose Wheeled Vehicle (HMMWV)—are of sufficient fidelity for individuals and crews to accomplish their collective missions.

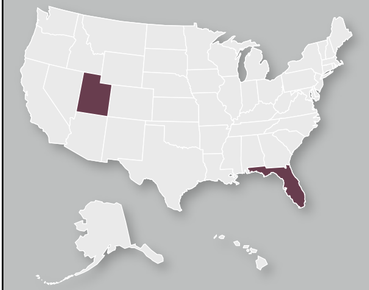
Infantry platoon and squad leaders can also exit the Bradley Fighting Vehicle and move to dismounted infantry manned modules with control of virtual dismounted elements. Ft. Hood CCTTs are equipped with Force XXI Battle Command Brigade-and-Below (FBCB2) in support of III Corps Digitized Division. The training audience uses computer workstations located 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, while maneuver units (combat crews and battalion-level staff members) constitute the CCTT primary training audience, all battlefield operating systems are represented to ensure effective simulation within a combined arms training environment that encompasses daylight, night, and fog conditions. CCTT's visual and terrain databases currently support desert (National Training Center); temperate (Germany); Ft. Hood, TX; Kosovo; Korea; Grafenfels, Germany; Ft. Riley, KS; Ft. Carson, CO; Ft. Stewart, GA; Pinon Canyon, CO; and Bagdhad, Iraq. Mobile versions of CCTT are fielding to Army National Guard units and units in U.S. Army, Europe.

CCTT is operational at nine fixed sites: Ft. Hood (two); Ft. Knox, KY; Ft. Benning, GA; Ft. Stewart, GA; Ft. Riley, KS; Ft. Carson, CO; Grafenwoehr, Germany; and Camp Casey, South Korea. Mobile Platoon sets have been fielded to the Army National Guard at Knoxville, TN (two), Leesburg, SC (two), Beauregard, LA (two), and Los Alamitos, CA (one). A mobile platoon set has been fielded to Friedberg and Baumholder, Germany.

PROGRAM STATUS
- **4QFY04** Improvement of close air support and joint interoperability capabilities in CCTT to support joint close air support training. Contract awarded July 1, 2004.
- **1QFY05** Field three new terrain databases for homestation training to Ft. Stewart, Ft. Carson, and Pinon Canyon, CO.
- **1QFY05** Continue the seventh year of full-rate production of CCTT modules (continental U.S. and outside continental U.S.) and additional mobile sets. Begin the full-rate production of digitizing the CCTT sites.

PROJECTED ACTIVITIES
- **2QFY05** Support live, virtual, and constructive training at Grafenwoehr.
- **2QFY05** Field improvement of close air support and joint interoperability capabilities in CCTT to support joint close air support training at Ft. Hood, TX.
- **3QFY05** Field the Mobile Theater After Action Review Station to Freidberg, Germany.
- **FY05** and Beyond Continue CCTT weapons systems currency and interoperability efforts and continue CCTT trainer unique performance improvement (technology refreshment) upgrades.



CONTRACTORS
Lockheed Martin (Orlando, FL)
Evans and Sutherland (Salt Lake City, UT)
Advanced Systems Technology, Inc. (Orlando, FL)

INVESTMENT COMPONENT
Modernization

ACQUISITION PHASE
- Concept and Technology Development
- System Development and Demonstration
- Production and Deployment
- Operations and Support