

Aviation Combined Arms Tactical Trainer (AVCATT)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a collective training system to meet aviation training requirements and to support institutional, organizational, and sustainment training for Active and Reserve Army aviation units worldwide in combined arms training and mission rehearsal in support of Unified Land Operations.

DESCRIPTION

The Aviation Combined Arms Tactical Trainer (AVCATT) is a mobile, transportable, multi-station, virtual simulation device designed to support unit collective and combined arms training. AVCATT provides six manned modules reconfigurable to any combination of attack, reconnaissance, lift, and/or cargo helicopters. There are four role player stations for battalion/squadron staff, combined arms elements, integrated threat, or friendly semi-automated Forces (SAF). Exercise

record/playback with simultaneous AAR capability is provided. The Non-Rated Crew Member Manned Module (NCM3), a sub-system of AVCATT, is a mobile, transportable, multi-station virtual simulation device designed to support training of non-rated crew members in crew coordination, flight, aerial gunnery, hoist, and sling-load related tasks.

The AVCATT single suite of equipment consists of two mobile trailers that house six reconfigurable networked simulators to support the Apache Longbow, Kiowa Warrior, Chinook, and Black Hawk. An after-action review theater and a battle master control station are also provided as part of each suite.

AVCATT builds and sustains training proficiency on mission-essential tasks through crew and individual training by supporting aviation collective tasks, including armed reconnaissance (area, zone, route), deliberate attack, covering force operations, downed aircrew recovery operations, Joint air attack team, hasty attack, and air assault operations. The system also

has multiple Synthetic Environment Core (SE Core) correlated visual databases.

AVCATT is fully mobile, capable of using commercial and generator power, and is transportable worldwide. The system is interoperable via local area network/wide area network with other AVCATT suites and the Close Combat Tactical Trainer (CCTT).

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

SE Core, One Semi-Automated Forces (OneSAF)

PROGRAM STATUS

- 1QFY12: SE Core and OneSAF integration completed
- 2QFY12: Production and fielding of the 2nd NCM3 to Fort Campbell, KY
- 2QFY12: UH60M and CH47F Concurrency Upgrade contract awarded

PROJECTED ACTIVITIES

- 2QFY13: Longbow Lot 13.1 Concurrency Upgrade contract awarded
- 4QFY13: Fielding of NCM3s #3-5
- 1Q-4QFY14: Production and fielding of NCM3s #6-16

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
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Aviation Combined Arms Tactical Trainer (AVCATT)

FOREIGN MILITARY SALES

None

CONTRACTORS

Prime

AVCATT:

L-3 Communications (Arlington, TX)

Prime

NCM3:

SAIC (Orlando, FL)

Prime

Technology Refresh:

Daedalus Technologies (Oviedo, FL)



NCM3 Trailer Diagram

