

Aviation Combined Arms Tactical Trainer (AVCATT)

Enables Army aviation units to rehearse and participate in a unit-collective and combined-arms simulated battlefield environment through networked simulation training.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

Description & Specifications

The Aviation Combined Arms Tactical Trainer (AVCATT) is a reconfigurable, transportable, combined arms virtual training simulator that provides current and Future Force aviation commanders and units a dynamic, synthetic instructional environment. It meets institutional, organizational, and sustainment aviation training requirements for Active and Reserve Army aviation units worldwide and enables geographic-specific mission rehearsals before real-world mission execution.

AVCATT is a critical element of the Combined Arms Training Strategy. It is distributive interactive simulation- and high level architecture-compliant, and is compatible and interoperable with other synthetic environment systems. AVCATT supports role-player and semi-automated blue and opposing forces.

The AVCATT single suite of equipment consists of two mobile trailers housing six reconfigurable networked

simulators that support the Apache, Apache Longbow, Kiowa Warrior, Chinook, Black Hawk, and the Armed Reconnaissance Helicopter (ARH) (FY09). An after-action review theater and battle master control station is also provided as part of each suite.

AVCATT enables realistic, high-intensity collective and combined arms training to aviation leadership, staff members and units, improving overall aviation task force readiness. AVCATT builds and sustains training proficiency on mission-essential tasks through crew and individual training by supporting aviation collective tasks, including the following:

- Armed reconnaissance (area, zone, route)
- Deliberate attack
- Covering force operations
- Downed aircrew recovery operations
- Joint air attack team
- Hasty attack
- Air assault operations

AVCATT is fully mobile, capable of using commercial and generator power, and is transportable worldwide.

Program Status

- **3QFY06:** Fielding of 10 suites completed; includes support to Army National Guard as well as U.S. forces in Germany, Korea, and Hawaii
- **1QFY07:** Production contract for suites 16–20

Projected Activities

- **2QFY07:** Initiate development of ARH baseline
- **3QFY07:** Initiate development of Common Avionics Architectural Systems (CAAS) for future concurrency airframes
- **4QFY07:** Field the first Longbow Block II concurrency upgrade
- **1QFY08:** Production contract for suites 21–23; field the first classified operational suite
- **1QFY09:** Planned hardware and software integration of new image generator upgrade and helmet mounted display

ACQUISITION PHASE

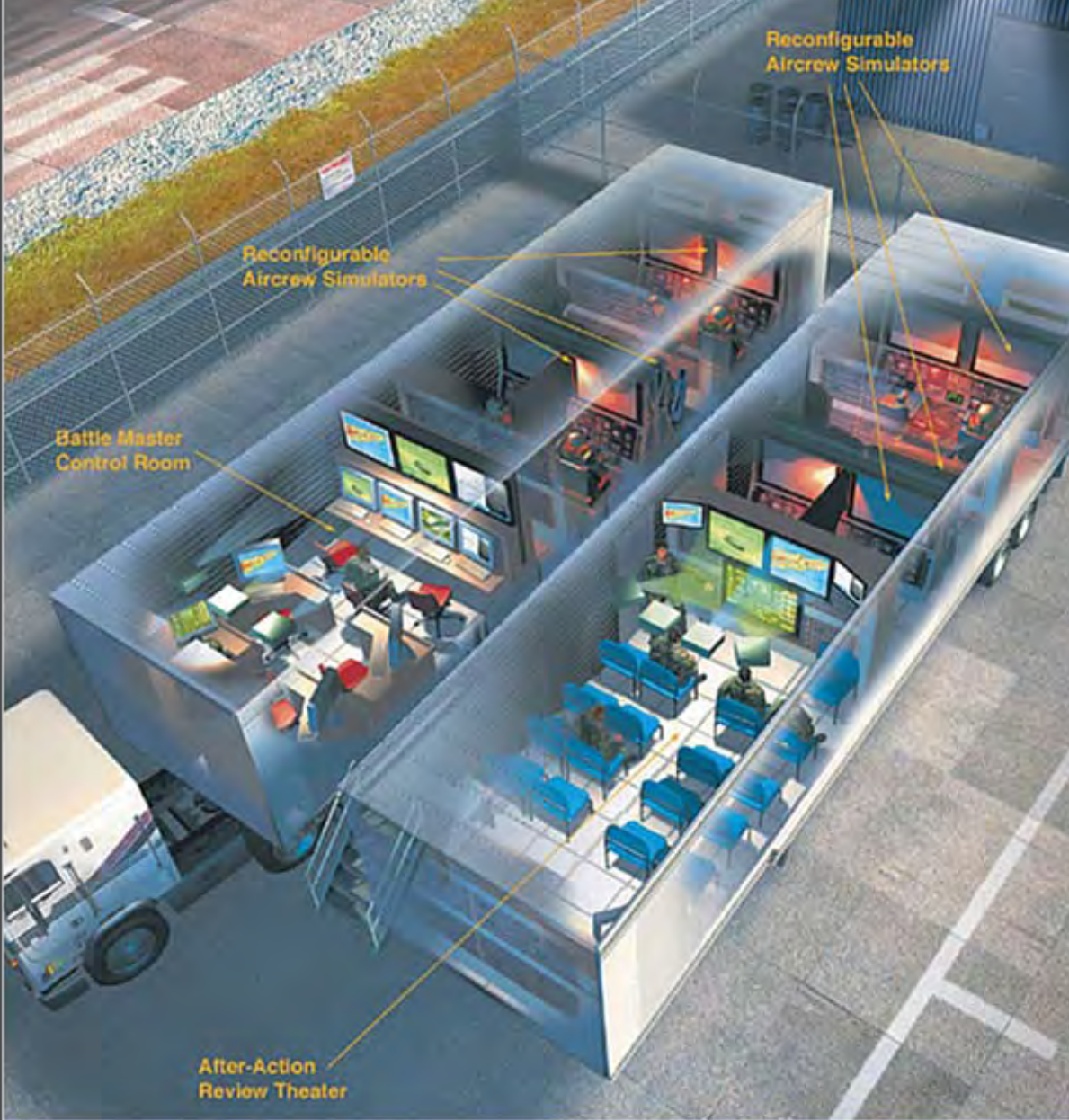
Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

AVCATT-A
2 Trailer Suite



Aviation Combined Arms Tactical Trainer (AVCATT)

FOREIGN MILITARY SALES

None

CONTRACTORS

L-3 Communications (Arlington, TX)

AVCATT-AAR
AVCATT-BMC
(left to right)

