Joint Land Component Constructive Training Capability (JLCCTC)

INVESTMENT COMPONENT

- **Modernization**
- Recapitalization
- Maintenance

MISSION

To provide tools to train unit commanders and their staffs from battalion through theater levels.

DESCRIPTION

The Joint Land Component Constructive Training Capability (JLCCTC) is a software modeling and simulation capability. It contributes to the joint training functional concept and the Army training mission area by providing the appropriate levels of model and simulation resolution. It also provided the fidelity needed to support both Army and joint training requirements. The JLCCTC is composed of two separate federations: JLCCTC–Multi-Resolution Federation (MRF), and JLCCTC–Entity-Resolution Federation (ERF). The MRF is a federated set of constructive simulation software supported by commercial software and commercial off-the-shelf (COTS) hardware that will support training of commanders and their staffs in maneuver, logistics, intelligence, air defense, and artillery. The federate models are connected by a combination of standard High-Level Architecture (HLA), Run-Time Infrastructure (RTI), Distributed Interactive Simulation (DIS), custom interfaces, Master Interface (MI), and Point-to-Point (PTP). The JLCCTC–MRF is a Command Post Exercise (CPX) driver designed to train Army commanders and their staffs at division through echelons-above-corps. It provides a simulated operational environment in which computer-generated forces simulate and respond to the C2 processes of the commanders and staffs. The JLCCTC models will provide full training functionality for leader and battle staff for the Army and the Joint, Intergovernmental, and Multinational (JIIM) spectrum. The JLCCTC provides an interface to Army Battle Command System (ABCS) equipment, allowing commanders and their staffs to train with their "go-to-war" systems. JLCCTC–ERF is a federation of simulations, simulation command, control, communications, computers and information (C4I) interfaces, data collection, and after action review (AAR) tools. It simulates the ABCS to facilitate battle staff collective training by requiring staff reaction to incoming digital information while executing the commander's tactical plan. The targeted training audience is composed of brigade and battalion battle staffs, functional command post (CP) training and full CP training. Battle staffs of higher echelons may also employ JLCCTC–ERF to achieve specific training objectives.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **3QFY08:** JLCCTC MRF–W V5 verification event (VE) and operational readiness event (ORE)
- **4QFY08:** JLCCTC ERF V5 VE/ORE
- **4QFY08–1QFY09:** JLCCTC MRF–W Fielding to the National Simulation Center and Battle Command Training Program
- **1QFY09:** JLCCTC ERF V5 Fielding to Fort Bragg and Fort Indiantown Gap
- **1QFY09:** JLCCTC V5.5 integration and test events

PROJECTED ACTIVITIES

- **2QFY09–1QFY11:** JLCCTC fieldings
- **3QFY09:** JLCCTC V5.5 MRF–W VE/ORE
- **3QFY09:** JLCCTC ERF V5.2 software version release
- **4QFY09:** JLCCTC MRF–C software version release
- **4QFY09–4QFY10:** JLCCTC MRF–W V6 development, integration and test events

ACQUISITION PHASE

Technology Development | **Engineering & Manufacturing Development** | **Production & Deployment** | Operations & Support

Joint Land Component Constructive Training Capability (JLCCTC)

FOREIGN MILITARY SALES
None

CONTRACTORS
Lockheed Martin Information Systems (Orlando, FL)
Tapestry Solutions (San Diego, CA)