

Joint Land Component Constructive Training Capability (JLCCTC)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides unit commanders and their staffs the capability to train in a simulation-based environment with accurate representations of land warfare operations.

DESCRIPTION

The Joint Land Component Constructive Training Capability (JLCCTC) is a software modeling and simulation capability that contributes to the Joint training functional concept and the Army training mission area by providing appropriate levels of model and simulation resolution and fidelity to support unit collective and combined arms training. JLCCTC provides multiple federations configurable to any combination of models and simulations. The training system meets standards for net-centric operations and key interface terrain databases to support common operating environment and will interoperate within a live, virtual, and constructive integrated architecture.

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 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, Run-Time Infrastructure, Distributed Interactive Simulation, custom interfaces, Master Interface and Point-to-Point.

The JLCCTC-MRF is a Command Post Exercise 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 command and control processes of the commanders and staffs. 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 intelligence (C4I) interfaces, data collection, and after action review 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. Battle staffs of higher echelons may also employ JLCCTC-ERF to achieve specific training objectives.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY10:** JLCCTC-MRF-W v5.5 U.S. Army 2nd Infantry Division’s (2ID) WARPAT and WFX exercises with Korea
- **2QFY10:** JLCCTC-MRF-W v5.5.1 accredited by CAC Commander
- **2QFY10:** JLCCTC-ERF v5.2.1 fielding to Camp Dodge National Guard brigade
- **3QFY10:** JLCCTC-MRF-W v5.5.2 installed at BCTP, Ft. Leavenworth, KS
- **3QFY10:** JLCCTC-ERF v5.2.1 fielding to Ft. Sill, Ft. Sam Houston, and ARCENT
- **1–4QFY10:** JLCCTC-ERF v5.3 IT&E

- **3QFY10–4QFY10:** JLCCTC-MRF-W v6.0 development, integration, and test events (IE #1 & IE #2)
- **4QFY10:** JLCCTC ERF v5.3 VE/ORE

PROJECTED ACTIVITIES

- **1QFY11:** JLCCTC-ERF v5.3 fielding to Ft. Bragg and Ft. Indiantown Gap
- **1QFY11:** JLCCTC-MRF-W v6.0 integration and test event (IE #3)
- **2QFY11:** JLCCTC-MRF-W v6.0 integration and test event (IE #4)
- **2QFY11:** JLCCTC-MRF-W v6.0 verification event and operational readiness event
- **2QFY11:** JLCCTC-ERF v5.3 fielding to Camp Sagami and Schofield Barracks
- **3QFY11:** JLCCTC-ERF v5.3 fielding to Ft. Lewis and 7th ATC Grafenwoehr; JLCCTC-MRF-W v6.0 35th ID exercise with BCTP, Ft. Leavenworth, KS; JLCCTC-MRF-W v6.0 fielding to KBSC
- **4QFY11:** JLCCTC-MRF-W v6.1 software release; JLCCTC-ERF v5.3 fielding to KBSC
- **1QFY12:** JLCCTC-MRF-W v6.1 integration event in preparations for YS61 exercise; JLCCTC-MRF-W v6.1 U.S. Army 2nd Infantry Division’s (2ID) WARPAT and WFX exercises with Korea
- **2QFY12:** JLCCTC-MRF-W v6.1 YS61

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

None

CONTRACTORS

Prime:

General Dynamics (Fairfax, VA)
 Lockheed Martin (Orlando, FL)
 Tapestry (San Diego, CA)
 Booz Allen Hamilton (McLean, VA)

CTS:

General Dynamics (Fairfax, VA)

WARSIM:

Lockheed Martin (Orlando, FL)

Logistics Federate:

Tapestry (San Diego, CA)

AARS/ISM/RTM:

Booz Allen Hamilton (McLean, VA)

