PM SE
COL Nicole Reinhardt | Project Manager Synthetic Environment
**Existing**

**Joint Land Component Constructive Training Capability (JLCCTC)**
JLCCTC trains Commanders and their staffs in tactical operations across all War Fighting Functions. JLCCTC stimulates Mission Command Systems.

**Live, Virtual, Constructive – Integrating Architecture (LVC-IA)**
LVC-IA is a net-centric linkage that collects, retrieves and exchanges data among Live, Virtual, Constructive training enablers and Joint and Army Mission Command Systems providing an LVC Integrated Training Environment.

**One Semi-Automated Forces (OneSAF)**
OneSAF is an Open Source (Software only) simulation designed to represent brigade and below, combat and non-combat operations.

**Synthetic Environment Core (SE Core)**
SE Core enables the Army’s Integrated Training Environment (ITE) by providing common terrain, common visual models, common computer generated forces and architecture.

**Medical Simulation Training Center (MSTC)**
The MSTC was established to address gaps in the Army’s Medical Training Requirements, standardize Medical M&S Capabilities, Centralize Lifecycle Management and provide a single transition office for Army Medical M&S Science and Technology.

**Emerging**

**Training Simulation Software (TSS)**
TSS will provide a single training environment accessible over the cloud distributed network. Provides a centralized capability to represent / adjudicate all simulation entities and user inputs.

**Training Management Tools (TMT)**
TMT will provide Soldiers and Commanders access anywhere, anytime the ability to create training scenarios. Captures and builds upon each repetition.

**One World Terrain (OWT)**
A terrain capability that provides a fully accessible representation of the globe, accessible through the Army network, useable by all simulation trainers, accessible at the Point of Need.

**Integrated Visual Augmentation System Squad Immersive Virtual Trainer (IVAS SiVT)**
IVAS SiVT capability will allow for the rapid conduct and repetition of squad-level training in a Mixed Reality (MR) based synthetic environment.

**Next Generation Constructive (NGC)**
NGC will replace JLCCTC as the training vehicle for Commanders and their staffs from tactical through operational level.
Training Simulation Management Tools (TSMT)

TSMT provides two of the three core functions that instantiates a common synthetic environment.

TSMT provides a single, unified training & management environment where units from Soldier/Squad to Army Service Component Command (ASCC) train in the most appropriate live, virtual, constructive, or gaming environment or in all four at once.

TSMT includes: the Training Simulation Software (TSS) which is the foundational software framework, and the Training Management Tools (TMT) which is a set of intuitive and easy to use tools that offer the ability to plan, prepare, execute, monitor and assess multi-echelon collective training in operational, self-development and institutional training domains.
LVC-IA is the Army’s integrating architecture for the Live, Virtual, and Constructive (LVC) Integrated Training Environment (ITE) and Mission Command Information Systems (MCIS). The LVC-IA includes common LVC components such as Enterprise AAR, C2 Adapters, Extension Kits, Terrain Databases, Cyber Security, and Hardware/Software.

LVC-IA is a net-centric linkage that collects, retrieves and exchanges data among LVC training enablers and Joint and Army Mission Command Systems providing an LVC-ITE. Contract will include:

- Concurrency with core systems and MCIS
- Analysis, design, development, integration, test and fielding
- Post Deployment Software Support (PDSS)
- Help desk/field support and on-site exercise support
- Key Requirements: Concurrency, Secret cleared personnel, EVMS, Cyber Security/RMF

**ACQUISITION STRATEGY**

**[Pre-Decisional]**
- Competitive: TBD
- Contract Type: Single Award ID/IQ (Cost Plus Fixed Fee, Firm Fixed Price and Cost provisions)

**PERIOD OF PERFORMANCE**

**[Pre-Decisional]**
- 10 Year IDIQ

**MILESTONES**

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**FUNDING**

- Mission – RDTE, OPA, OMA
- Estimated Value: $87M

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

- Cole Engineering Services, Inc.

**POINT OF CONTACT**

PM Synthetic Environment

407-384-3601

usarmy.orlando.peo-stri.list.pm-se@mail.mil

Approved for public release; distribution is unlimited
The CBCSE contract is responsible for the procurement and fielding of COTS hardware and software in support of the Joint Land Component Constructive Training Capability (JLCCTC).

- Conduct onsite fielding/site survey activities
- Procure, field and refresh COTS Common Hardware Platforms (CHPs) and hardware servers
- Procure, field and refresh COTS software licenses
- Manage COTS software license maintenance
- Provide Property Accountability of COTS Products

ACQUISITION STRATEGY

[Pre-Decisional]
- Competitive Contract is planned to be a Small Business Set Aside
- Contract Type – Single Award ID/IQ

PERIOD OF PERFORMANCE

[Pre-Decisional]
Seven (7) Years (Tentative)
- 3 year base
- 2 – two year options

FUNDING

- Mission and Customer
- Estimated Value: TBD

MILESTONES

1/2QFY21  TBD  NLT Aug 2022
Market Research  DRAFT RFP  Contract Award

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Phoenix Defense (former Phoenix Logistics Inc.) orders through Aug 2022

POINT OF CONTACT

PM Synthetic Environment
407-384-3601
usarmy.orlando.peo-stri.list.pm-se@mail.mil

Approved for public release; distribution is unlimited
BCTC-ES provides the furniture, fixtures, equipment (FF&E), network, Reconfigurable Tactical Operation Center (RTOC), technical control, classroom and work cell capabilities and technical tools required for Army Mission Training Complexes (MTC) and for the associated Military Construction Army (MCA) infrastructure.

BCTC-ES will enable the linkage of constructive simulations to Mission Command (MC) systems and extending unit communications. It provides equipment that integrates Army MC systems into Tactical Operation Center (TOC) sets, providing visualization of the Common Operating Picture (COP).

BCTC-ES supports the requirements for the Risk Management Framework (RMF), which helps enable the linkage within a MTC that supports secure and distributed MC/Simulation training.

**ACQUISITION STRATEGY**

[Pre-Decisional]
- Competitive Contract is planned to be a Small Business Set Aside
- Contract Type – Single Award ID/IQ

**PERIOD OF PERFORMANCE**

[Pre-Decisional]
- Seven (7) Years (Tentative)
  - 3 year base
  - 2 – two year options

**MILESTONES**

- TBD Market Research
- TBD RFP
- NLT DEC 23 Contract Award

**CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)**

- Phoenix Logistics, Inc./Contract with Options through Dec 23.

**FUNDING**

- Mission and Customer
- Estimated Value: TBD

**POINT OF CONTACT**

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usarmy.orlando.peo-stri.list.pm-se@mail.mil