

The **Battle Lab Collaborative Simulation Environment (BLCSE)** is a permanent, secure, scalable, complex, and distributed "toolbox" capable of supporting multiple models and constructive, virtual, and human in the loop simulations. It enables distributed experiment planning, execution and analysis essential to the Army Concepts Integration Center (ARCIC) work in Capabilities Integration, Force Design, Doctrine, Organizational Integration, Modularity, and SBCT/Current Integration.

- Minimizes travel and physical aggregation of participants and equipment
- WAN-based collaborative tool kit, secure video-teleconferencing, voice-over-IP (VOIP), and a tailorable suite of federated simulations
- Supports near-real-time analyses that underlies the basis of challenging decisions associated with the future path of Army and Joint warfighting capabilities
- Facilitates an integrated arms approach to experimentation
- Links TRADOC Schools and Centers SMEs with Joint Forces Command (JFCOM), the TRADOC Analysis Command (TRAC), the Army Materiel Command's Research, Development and Engineering (RDE) Command and the FCS Lead Systems Integrator

**BLCSE Cyber Enterprise Services Center (CESC) functions:**

- Establish all connectivity between Army battle labs and other DOD networks as required.
- Network Management; manage DREN network support, bandwidth, & connectivity between battle labs, support spokes, & industry partners
- Bridge as required DREN network, PRI network, deployable network nodes & establish VLANS, & network addressing / routing between battle labs as required
- Engineer & manage WAN backside Router / LAN connections as required at all sites
- Engineer & manage VoIP phone system across BLCSE.
- Manage crypto / security plan / IATOs / accreditation process
- Manage VTC conference servers and VTC equipment at all sites
- Provide instrumentation to measure bandwidth utilization ( within test beds and across distributed network)
- Deploy mobile assets as required for the linkage of live forces and/or Joint experimentation
- Upgrade and maintain technological currency of deployable network assets