

THE FUTURE OF ARMY TRAINING





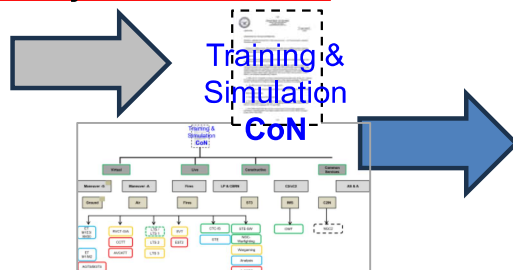
CAC-T Future Training Directorate (FTD) Transformation in Training

- Armor Gunnery Skills Trainer (AGST)
- Bradley Conduct of Fire Trainer (BCOFT)
- Close Combat Tactical Trainer (CCTT)
- Aviation Combined Arms Tactical Trainer (AVCATT)
- CTC-IS, Home Station and IMILES
- Combat Vehicles (Legacy)
- Joint Land Component Constructive Training Capability (JLCCTC)

Legacy Training Systems

- Capabilities garrison based-fixed training virtual trainers
- 1990s technology
- Virtually stove-piped; not connected to other systems
- Limited ability to conduct combined arms maneuver
- Training records retained only locally

- Combined Arms Maneuver across combat platforms on same digital battlefield (One World Terrain)
- Live-Virtual-Constructive integration at echelon
- Significant reduction in virtual trainers using combat platforms
- Training records retained and exportable from authoritative data (ATIS)



Future Simulation & Training Environment

Current FTD Efforts:

Constructive:

- STE SW (BN & below, NGC) shifts to **JLVC Integration**

Live:

- Live Training Systems shifts to **LTS and CTC IS Modernization & Global Training Environment**

Virtual:

- RVCT to **Embedded Training on Legacy and Future Vehicles**



① * CAC-T CG Effort Prioritization



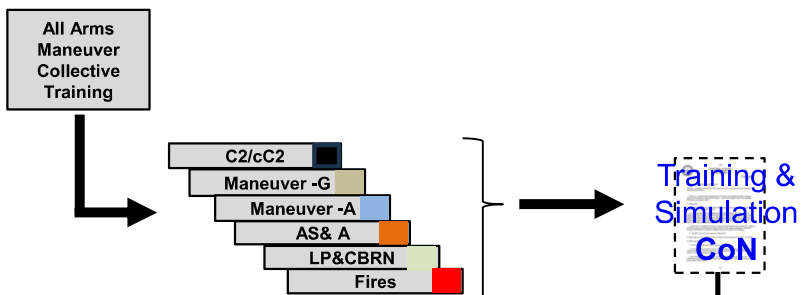
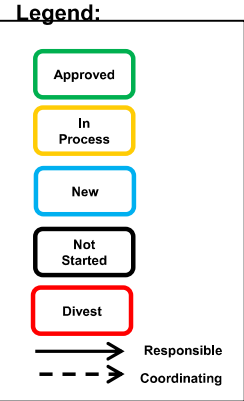
Training and Simulation CoN Document Framework

Characteristics:

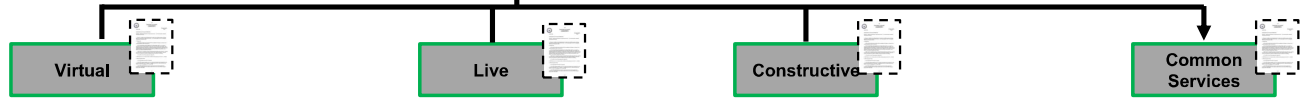
- Training and Simulation CoN will bridge all PAEs and Warfighting Systems – will need a mechanism to synchronize efforts with other PAEs.
- T&S CoN must be broad enough, yet concise enough, to describe the training gaps to industry for their input towards solutions.

Opportunities:

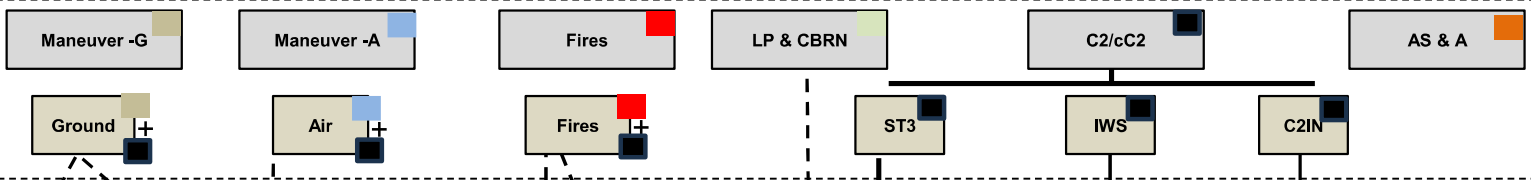
- The T&S CoN will leverage successes and solutions (ie transport layer) in other CoNs to generate efficiencies and commonality across the Force.
- The components of L-V-C that comprise the CTC-IS through modernization will enable a global training environment.



Annex: [Critical Gaps](#)
APPROVAL AUTHORITY: TBD

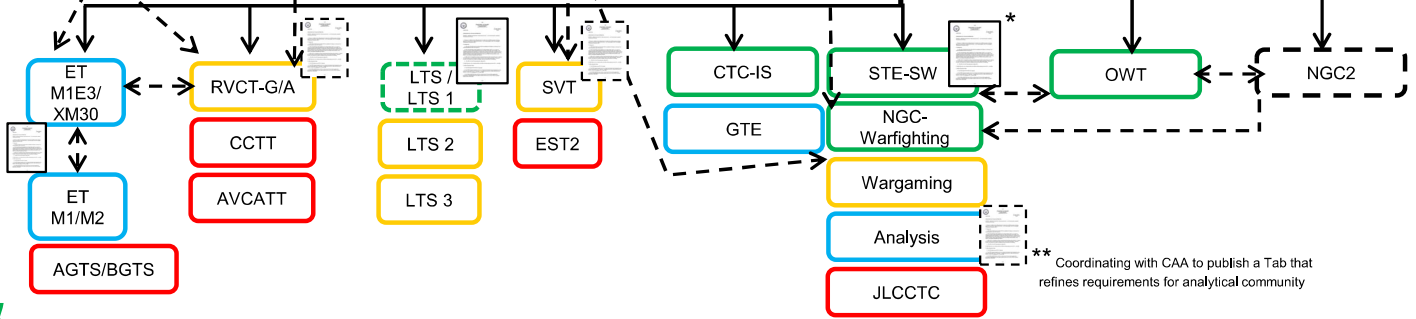


Appendix: [Defines Desired Characteristic](#)
APPROVAL AUTHORITY: TBD



Tab- [Codifies Material Solution](#)
APPROVAL AUTHORITY: TBD

* Embedded Training capability is an operational attribute of STE SW ICD.



FTD: Future Training Dir, CAC-T
CTC-IS: Combat Training Center Info Sys
GTE: Global Training Environment
ET: Embedded Training
RVCT: Reconfigurable Virtual Collective Trainer
SVT: Soldier Virtual Trainer
NGC: Next Generation Constructive
LTS: Live Training Systems
STE-SW: Synthetic Training Env Software
OWT: One World Terrain
CCTT: Close Combat Tactical Trainer
AVCATT: Aviation Combined Arms Tactical Trainer
EST2: Engagement Skills Trainer
JLCCTC: Joint Land Component Constructive Training Capability

— PREPARE TODAY + DOMINATE TOMORROW —

FUTURE TRAINING

BATTLE LAB

Battle Lab Efforts:

- ❖ New Technology Capture (i.e., CAC-T “Deep Recon”)
- ❖ Experimentation with Vendors, Academia and Joint Partners
- ❖ Global Training Environment /CTC-IS
- ❖ ATIS Experimentation/Integration
- ❖ Virtual Simulation Experimentation (platforms, drones)
- ❖ Wargaming
- ❖ LTS Direct Fire Solutions
- ❖ Dynamic and Adaptive Training (i.e. Intelligent Tutor)
- ❖ Data Driven Performance Analytics
- ❖ Network Latency & Bandwidth

QR Code for Vendor Portal

Future Training Directorate
Vendor Outreach Portal



<https://go.army.mil/ftd-outreach>



CUTTING-EDGE TECHNOLOGY

Powering the warfighter with tomorrow's tools.



REAL-WORLD SCENARIOS

Immersive simulations built for any threat.



ELITE TRAINING

Developing leaders and cohesive teams.



MISSION READY

Adapt. Overcome. Achieve victory.

STRONGER TOGETHER



US Army Combined Arms Command

DRIVE CHANGE...FORGE VICTORY!

•Back Up



BLUF: Endorsed by SLs for TiC 2.0 Integration. 7x M2A4 set planned for JUN26 1CD TiC
Current Status: Unfunded (\$2.7M)

What you Saw

- 2 M2A4's in the same VBS4 Simulation environment
- All controls (DVR, GNR, BC) mapped to simulation environment.
- Integration and capture of all interior/exterior communications.
- Interoperability with One World Terrain.
- Supports gunnery progression tables, collective training, and After Action Review (AAR).
- Installation to training: 15 Minutes
- Fits in one tough box. Size of carry-on luggage.

MWfC Embedded Training Proof of Concept

VB4 Collective Training Gunnery Progression

TICT Engagement	Description	Distance	Exposure Time
TICT Engagement 1	Description: APC (Vehicle)	Distance: 300 M	Exposure Time: 30 seconds
TICT Engagement 2	Description: Tank	Distance: 100 Meters	Exposure Time: 30 seconds
TICT Engagement 3	Description: BMP (Vehicle)	Distance: 285 Meters	Exposure Time: 30 seconds

Bradley Gunnery Training Lane Scenario

Cont. Development

- ☑ **Conduct of Fire Training (COFT)**
 - ☑ Crew Evaluator interface
 - ☑ Degraded Engagement
 - ☑ Data capture/output
 - ☑ **Appended Kit**
 - ☑ Additional platform integration
 - ☑ Abrams
 - ☑ BFIST
 - ☑ Stryker
 - ☑ **Virtual Trainer Integration**
 - ☑ Drone Collective Training
 - ☑ Joint Call for Fire
 - ☑ RVCT / VBS4 (GFT PoR)
 - ☑ **Assisted Target Recognition (ATiR)**
 - ☑ Virtual
 - ☑ Live
 - ☑ **NGC & NGC2 integration**
- = effort initiated



-All COTS
-Plug and play.
-Works on A3 & A4



PI: MWfC Demo
Funding: IRAD

PII: TiC 2.0
Funding: ?

PIV: Future Platform Int.
NGC2 ET Annex

PIII: CoN Annex Funding: RTDE /OMA

Integrated Embedded Training Capability

- Enduring Platforms
- NGVC Platforms
- Virtual Trainers



The Global Training & Simulation Concept (GTSC) is the Army's enterprise architecture for persistent, data-centric training that integrates Live, Virtual, and Constructive capabilities across Combat Training Centers, Home Stations, and expeditionary locations worldwide. GTSC embodies real-time connectivity, interoperability, and data exchange, providing Soldiers with on-demand access to scalable, multi-domain training environments. This architecture enables mission rehearsal at echelon, real-time adjudication, advanced analytics, and seamless integration with Joint and Coalition partners. GTSC transforms training from episodic, platform-centric events into a continuous, globally networked readiness pipeline that scales from individual Soldier to Joint Task Force.

Key Attributes

- Persistent Global Connectivity
- LVC Integration & Interoperability
- Data Centricity
- Joint and Coalition Interoperability
- All-Domain Simulation
- OPFOR Modernization

Global Training Simulation Concept (GTSC)

