



# ACM ABCT Breakout Session 2021 AUSA Chattahoochee Valley/Fort Benning & MCoE Industry Day 7-8 April 2021



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# ACM-ABCT/ Recon Mission

ACM ABCT/ RECON is the Institutional Army's centralized **integrator** for all capabilities across the DOTMLPF-P enterprise enabling ABCT and Cavalry formations to fight and win on any battlefield. Serving as the **Soldier's interface, collaborates** with stakeholders (HQDA, Army Futures Command, FORSCOM, III U.S. Corps, all ABCTs and Cavalry formations, program/product managers, other ACMs, and TRADOC Centers of Excellence) to identify, develop, field, and assess holistic solutions – current and future – enabling **armored formations and career management field (CMF) 19 warfighters** to maintain capability overmatch, conduct cross-domain maneuver, and defeat any adversary during large-scale combat operations.

**Endstate:** Fielded ABCT and Cavalry formations that sustain capability overmatch and will win during large-scale combat.

**We are the voice of the Soldier!**

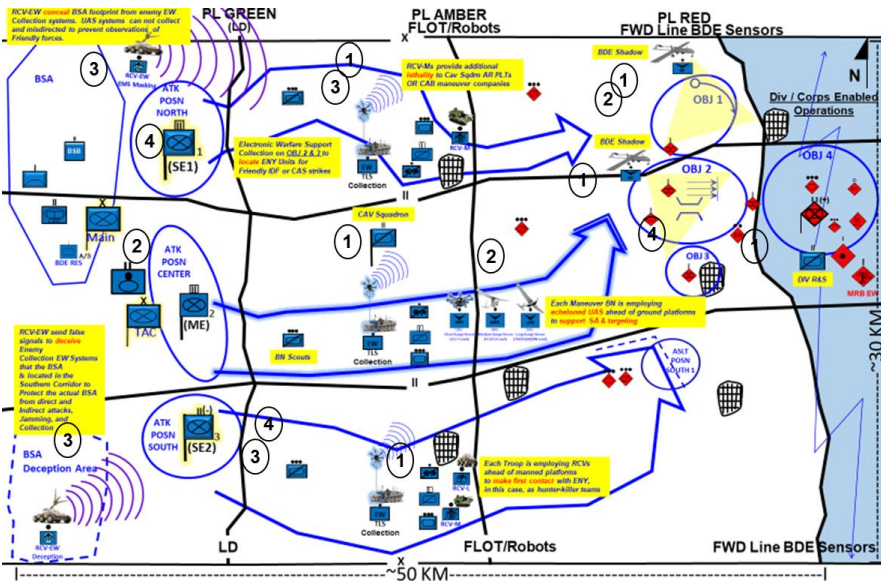
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# ACM-ABCT Future Investments

## 2028 MDO CAPABLE ABCT



### In 2028-2040 the ABCT must:

- Fight across and through contested domains and environments.
- Move and maneuver dispersed.
- Operate decentralized and degraded.
- Integrate reconnaissance and security (R&S) across all domains.

### Key Future Investments

- Advanced manufacturing methods and materials to support modernization and readiness (artificial intelligence, additive manufacturing, reconfigurable, quantum, bio, and metamaterials)
- Robotic and autonomous systems (RAS) with integrated AI
- Advanced Hybrid Networks (radio frequency-optical-THz, quantum, resilient, self healing, and secure)
- AI-controlled sensing; including space-based and high-altitude sensors
- Directed energy (DE)
- Hypervelocity projectiles
- Propulsion and energetics
- Quantum sensing and information technologies
- Bio and bio-inspired technologies
- Human performance optimization
- Fuel cell technology, alternative fuels, and alternative water sources

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# ACM-ABCT Desired Capabilities

- Auto / AI Boresighting
- Tethered UAS (Re-trans, Optics, CBRN Detection - payload)
- Counter UAS (VPS)
- Decoys/Deception in all spectrums
- Improve Silent Watch capability (Bradley power management, energy cells)

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# *Questions?*

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