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ACM-ABCT & Recon Mission



ACM ABCT & Reconnaissance is the Army's centralized manager and coordinator for capabilities and DOTMLPF-P integration for the ABCT, Cavalry Squadrons, Troops, and Battalion Scout Platoons bringing recommendations through the Armor Force Modernization Proponent to the Maneuver Force Modernization Proponent creating and enabling ABCT and Reconnaissance formations that defeat any adversary on any battlefield. ACM-ABCT & Reconnaissance closely coordinates with the Army's Futures Enterprise, TRADOC's CAC, and COEs ensuring material and organizational deliverables are developed, coordinated, and integrated along timelines meeting the Army's milestones.

End state:

Fielded ABCT and Recon formations that sustain capabilities overmatch defeating any adversary on any battlefield.



ACM-ABCT & Recon Future Investments

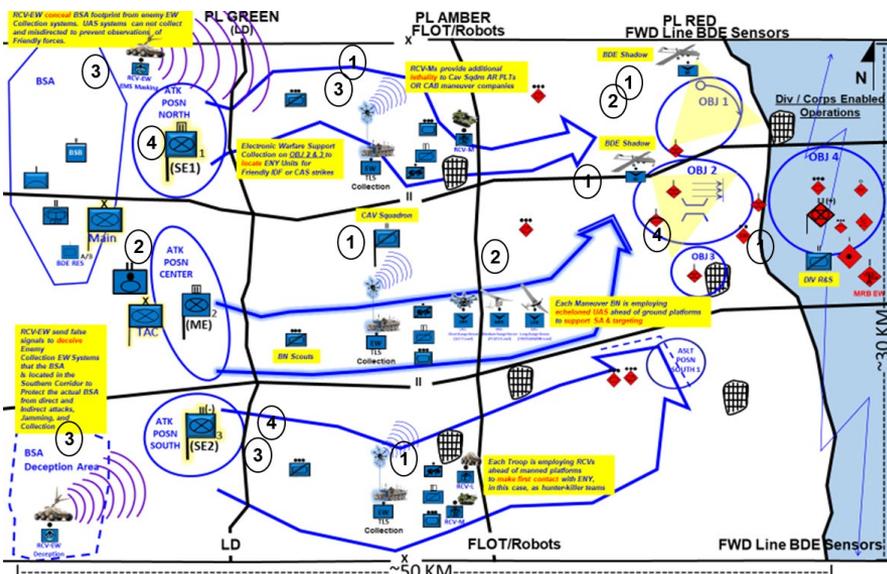
2030 MDO CAPABLE ABCT

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 and Human - Machine Interface
- Decision (making) advantage capabilities (sensors, platforms) enabling quicker response to information
- Signature reduction
- Universal Data Literacy
- Alternative water and power sources

In 2030 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.





ACM-ABCT & Recon Desired Capabilities



- Improved energy efficiency - powertrains and electrical power
- Auto / AI bore sighting
- Conduct Beyond Line-of-Sight and Extended Line-of-Sight engagements
- Conduct cooperative engagement – HMI / Human Machine Teaming
- Counter UAS, Counter Loitering Munitions
- Camouflage, Decoys, and Deception to spoof, mask, mitigate signature in all spectrums
- Expeditionary, dispersed, protected, rapidly mobile command posts (CPs)
- Improved reliability and sustainability to support semi-independent operations
- Improved silent watch capability (all vehicles, reduce power demands, alternate energy sources)
- Reduce weight while maintaining or increasing survivability and transportability
- Increased Situational Awareness (SA)
- Optionally tethered UAS (Re-trans, Optics, CBRN Detection, Swarm/Counter Swarm, and payloads)
- Vehicle Protection Suite (VPS) technologies w/ Aided Target Recognition (AiTR)
- Wireless communications between crew / maintainers / infantry

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