US Army Maneuver Center of Excellence
Fort Benning, Georgia

Ted Maciuba, PE
Deputy Director, Mounted Requirements
Mounted Portfolio

- **Combat Vehicles**
  - Next Generation Combat Vehicle (NGCV)
  - Armored Multipurpose Vehicle (AMPV)
  - Abrams
  - Bradley
  - Stryker
  - Mobile Protected Firepower (MPF)
  - Light Reconnaissance Vehicle (LRV)
  - Ground Mobility Vehicle (GMV)

- **Vehicle Protection Suite (VPS)**

- **Cross Domain Dominance**
  - Artificial Intelligence and Autonomy
  - Sensor Fusion

- **Large and Medium Caliber Lethality**

- **Combat Vehicle to Crewman Interface**

- **Maneuver Robotic and Autonomous Systems (MRAS)**

- **Tactical Vehicles**
  - Mine Resistant Ambush Protected (MRAP)
  - MRAP All Terrain Vehicle (MATV)
Offsets in Tactical Ground Maneuver

• Status Quo
  Many Soldiers – many bullets – one kill

• First Offset – Nuclear Weapons for Deterrence
  Fewer Soldiers – one big nuclear bullet – many kills

• Second Offset – Precision Weapons
  One Soldier – one bullet – one kill
Offsets in Tactical Ground Maneuver

- **Status Quo**

  - Directed Energy / Energetics
  - Power Generation and Management

- **First Offset – Nuclear Weapons**

  - Fewer Soldiers – one big nuclear bullet – many kills

  - Integrated Vehicle Protection Suite

  - Advanced Armor

  - Maneuver Robotics and Autonomous Systems (MRAS)

- **Second Offset – Precision Weapons**

  - One Soldier – one bullet – one kill

- **Third Offset – Robotics, Miniaturization, Big Data,…**

  - One Soldier – many bullets – many kills

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**Movement and Maneuver Functional Concept**

BLUF: As part of the Joint Force, Army forces deploy and transition rapidly from expeditionary movement to cross-domain maneuver with combined arms formations that operate semi-independently, enabled by mission command, to conduct joint combined arms operations and seize, retain, and exploit the initiative; defeat enemy forces; and achieve operational objectives consistent with national objectives.

4 Components of the Solution:
- Conduct Cross-Domain Maneuver
- Operate Semi-independently
- Conduct Continuous Integrated Reconnaissance and Security Operations across domains and echelons
- Realize Mission Command

EAB HQs:
- Manage campaigns and transitions;
- Integrate reconnaissance and security operations;
- Create shared understanding;
- Synchronize operations and shape OI for BCTs;
- Organize sustainment operations;
- Organize theater level consolidation of gains activities to create sustainable outcomes consistent with national objectives.