Multi-Role Armament Systems

Key Note Address

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Dense Urban Environments

Increased Speed Of Human Interactions

Potential For Overmatch

Spread Of Advanced Cyberspace And Counter-space Abilities

Proliferation Of Weapons Of Mass Destruction

Ref: US Army Operating Concept: Winning in a Complex World 2020-2040
Congested and Restricted Environ; Potential for Overmatch; Spread of Advanced Cyberspace and Counterspace Abilities; Increased Speed of Human Interactions; Proliferation of Weapons of Mass Destruction

Identification, coordination, organization of individual “Source Documents” needs/gaps/priorities into one list

Enduring, first order problems, the solution to which will improve current and future force combat effectiveness

Framework, governance and strategic communications strategy to prioritize research and development

Competitive strategy to achieve decisive, asymmetric operational advantage, gain technological overmatch, and eliminate parity

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REQUIRED ATTRIBUTE OF FUTURE ARMAMENTS

Meeting Capability Needs

- Cross Domain Solutions
- Resilient & Agile
- Expeditionary
- Threat Based
- Reduced Logistics

REQUIRED ATTRIBUTE OF FUTURE ARMAMENTS
The Armament System is central to all Combat Platforms in order to Eliminate Threats/Targets.
Multi-role armaments for expeditionary missions

- Non-dedicated AD systems - Leverage organic capability; focus on multi role armaments
- Scalable, non-caliber-specific munition technology
- Leverage developing component level technologies
- Defeat of multiple threats/targets across domains
  - materiel, personnel, RPG, ATGM, UAS, RAM

CONSIDERATIONS:
- Effectiveness
- Affordability
- Reliability
- Scalability
- Producible
- Supportability
• Supporting the Nation and the Warfighter is our top priority
• Be agile, ready for change, prepared for the future threat
• To empower and unburden the Warfighter, we must innovate
• The key to innovation is collaboration between:
  – Government entities
  – Businesses
  – Non-traditional contractors
  – Academia

• RDECOM ARDEC’s approach: Develop Platform-Agnostic Multi-Role Armament Systems capable of a full spectrum of operations.