



# **Multi-Role Armament Systems**

**Key Note Address** 

## Mr. John F. Hedderich III, SES

Director, RDECOM ARDEC, Picatinny Arsenal, NJ

COMMITMENT & SOLUTIONS

Act like someone's life depends on what we do



U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER

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## **Anticipated Environment 2025-2040**





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## ADDRESSING ARMY NEEDS



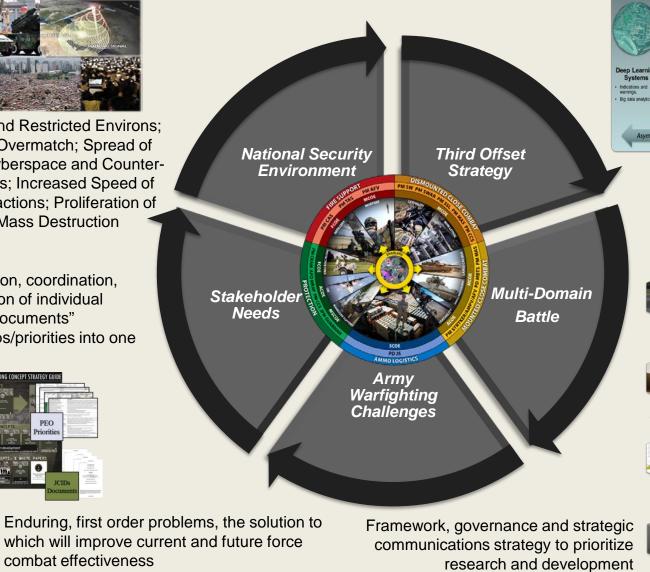


Congested and Restricted Environs; Potential for Overmatch; Spread of Advanced Cyberspace and Counterspace Abilities; Increased Speed of Human Interactions; Proliferation of Weapons of Mass Destruction

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



combat effectiveness



ric advantage - Capitalize on our strengths, exploit our enemies we

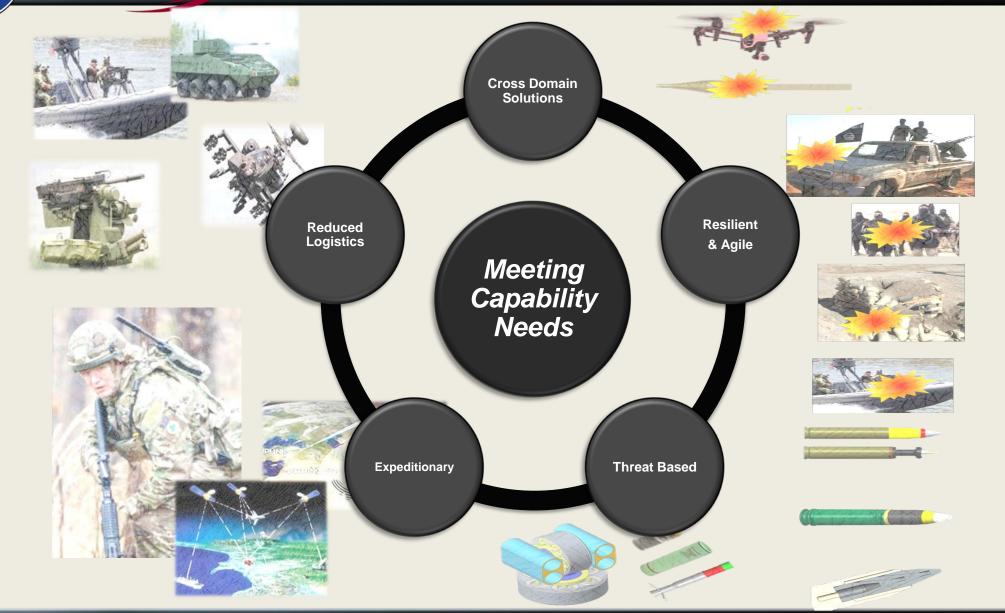
Competitive strategy to achieve decisive, asymmetric operational advantage, gain technological overmatch, and eliminate parity



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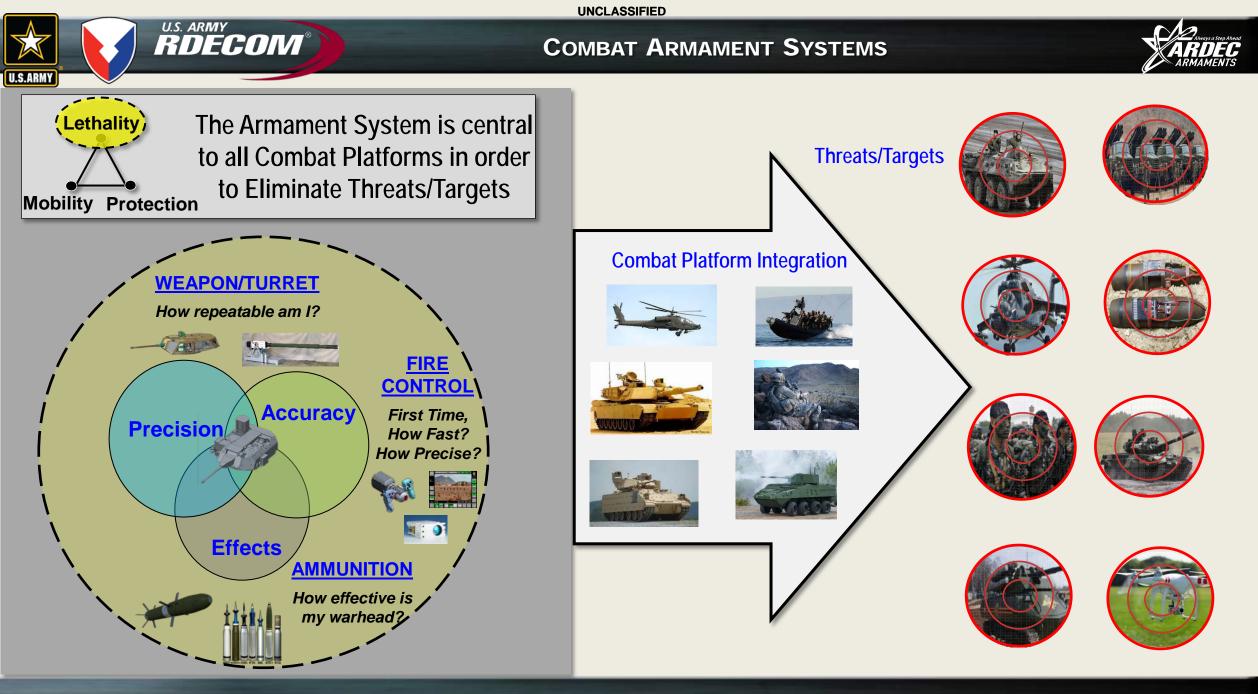
# REQUIRED ATTRIBUTE OF FUTURE ARMAMENTS





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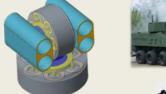
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# MULTI-ROLE / MULTI-MISSION ARMAMENTS





**CONSIDERATIONS:** 

• Effectiveness

Affordability

Reliability

ScalabliltyProducible

• Supportability

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### 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







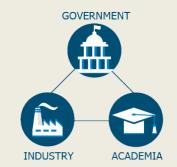
### 2 May 2017



## **COLLABORATION IGNITES INNOVATION**



- 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.