Armament Designer’s Dilemma

“Shaping the Armament Enterprise to Meet Evolving Global Requirements”

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RDECOM MISSION & VISION

MISSION
To ensure decisive capabilities for unified land operations to empower the Army, the joint warfighter, and our Nation.

VISION
The preeminent world leader in research, development, and engineering.
ARDEC, centered at Picatinny Arsenal, is a critical national asset that is vital to National Security and is unfettered in its ability to deliver products and provide world class facilities and services.

INTENT

Unparalleled commitment and solutions - Act like someone’s life depends on what we do.
**FULL SPECTRUM THREATS**

Continuum of Conflict

- **STATE CONFLICT**
  Employs large-scale military force and sophisticated military technologies across multiple domains to defeat the enemy. May include use of WMD, anti-access/area denial systems, global strike systems, undersea platforms, advanced cyber tools, and counter-space systems, among other capabilities.

- **HYBRID CONFLICT**
  Blends conventional and irregular forces to create ambiguity, seize the initiative, and paralyze the adversary. May include use of both traditional military and asymmetric systems.

- **NON-STATE CONFLICT**
  Employs small units and networks to undermine governments and gain control over populations. May include use of IEDs, small arms, propaganda, and terror.

How do you get there?..?
SPECTRUM OF THREAT

- IED
- Unmanned System
- Dismounted Troops
- Mounted Troops
- Aircraft
- Armor
- Rocket Gun
- Artillery

Platform “add-on” or Design to Overmatch?
I LIKE YOU PLATFORM GUYS.
EVERYTIME WE’VE GOTTA GO SOMEPLACE TO FIGHT, YOU ALWAYS GIVE US A RIDE
ARMAMENTS WIN THE FIGHT
OVERMATCH THE SPECTRUM OF THREAT

Directed Energy Weapons

Form

Fit

Function

Force

? ? ?

PARITY

OVERMATCH
MY OPINION

• Forums Are Great!
• Avoid optimizing Armament Systems as add-ons to predetermined platforms
• The Armament System Enterprise must refocus and further invest in developing/innovating solutions that Overmatch the threat.

ALWAYS A STEP AHEAD!