EM-50 Urban Assault Vehicle
EM-50 Urban Assault Vehicle

Mobile
Survivable
Troop Transport
Lethal

It even closed with,…

…engaged, and destroyed…

…an enemy in close combat
And easy to learn and operate by even the most “challenged” of soldiers

...who may one day rise to become a General Officer.
“The Army of 2028 will be ready to deploy, fight and win decisively against any adversary, anytime and anywhere, in a joint, combined, multi-domain, high-intensity conflict, while simultaneously deterring others and maintaining its ability to conduct irregular warfare”

- SEC Mark Esper, GEN Mark Milley

*Note: AMS 1.5 must address a comprehensive DOTMLPF-P modernization plan; the current AMS is “M” focused while CAC has sought to maintain doctrinal change commensurate with capability.

Ideally, the AMS becomes an Army guidance document driving the entire enterprise across the ACOMs...potentially serving as the modernization chapter to the ACP (LOE #2 of the Army Strategy)
Concepts Drive Change
Operational Environment

- Identifies four interrelated trends that shape the future Operational Environment
  - Contested in all domains
  - Increasingly lethal and hyperactive battlefield
  - Leverage Competition Space
  - Multiple Layers of Standoff
- Challenged deterrence
Army forces, as an element of the Joint Force, conduct Multi-Domain Operations to prevail in competition; when necessary, Army forces penetrate and dis-integrate enemy anti-access and area denial systems and exploit the resultant freedom of maneuver to achieve strategic objectives (win) and force a return to competition on favorable terms.

**Current Force Posture Options**
- **Do nothing** and concede competitor actions and readjust strategic objectives
- **Win a protracted conflict** by regaining the operational initiative and defeating enemy forces

**MDO Capable Force 2028/2035 Options**
- **Do nothing** and concede competitor actions and readjust strategic objectives
- **Expand the competitive space** on favorable terms to deter enemy aggression (*preferred method*)
- **Respond quickly** to deny a *fait accompli* attack and achieve an operational position of advantage
- **Win a protracted conflict** by regaining the operational initiative and defeating enemy forces
Tenets of Multi-Domain Operations

Calibrated Force Posture

- Forward Presence Forces
- Expeditionary Forces
- National-Level Capabilities
- Authorities

Multi-Domain Formations

- Conduct Independent Maneuver
- Employ Cross-Domain Fires
- Maximize Human Potential
- Echelons Above Brigade Formations

Convergence

The rapid and continuous integration of capabilities in all domains through:

- Cross-Domain Synergy
- Redundant Kill Chains
- Mission Command

- See Space
- See SOF
- See Air ISR
- See Cyberspace

- Strike Air 5th Gen
- Strike Maritime LRPF

- See EW & Radar

- Re-Strike
- Land LRAs
Multi-domain operations today rely on episodic synchronization … executing capabilities after days and weeks of synchronization … in future operations against a peer threat it will require rapid and continuous integration … integrating capabilities within hours
Technology: Missing the Mark
What We Are Not Trying To Do...
Key Take-Aways

- Lethality
- Stand-Off
- Penetration
- Convergence
US-China R&D Expenditures

The U.S. may lead in basic research – but China is slipping past us in applications.

Overall Spending Growth (‘00-‘15):
U.S. = 4% avg.
China = 18% avg.

At current growth rates – China will surpass the U.S. in the next few years and outspend the U.S. by $220B by 2028.

“China’s plans for technology innovation comprise ‘a top-down, government-driven agenda that provides a roadmap for strategic collaboration between industry, academia, and civil society’ …and the U.S. should reflect on the Chinese government’s recognition of innovation as a driver of economic growth.”

– Elise Stefanik (R-NY)
House Armed Services Subcommittee
Keeping pace and achieving overmatch of our adversaries requires a new way of modernizing our forces...and that way requires closer partnerships with industry to enable faster adoption of new technologies and rapid innovation.
Holyfield-Tyson

Conflict like Holyfield

- Strategic reach
- Precision
- Technical
- Agile

Compete like Tyson

- Closes distance
- Punching power
- Aggressive
- Feared
LTG ERIC J. WESLEY

Deputy Commanding General
Army Futures Command
Director, Futures and Concepts Center

@AdaptingTheArmy

https://futuresconcepts.army.mil