



# Combat Vehicle Modernization

***Changing Business Practices to  
Deliver Cutting-edge Capabilities***

***2011 Combat Vehicle Conference***

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SOLDIERS AS THE DECISIVE EDGE

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# Integrate & Synchronize: BIG “A” Acquisition Delivering Capabilities



Requirements

Resources

Acquisition

Sustainment

***Inherently Linked!!!!***

- Fielding Networked Systems that are COE Compliant
- Aligning CPRs with CSBs
- Challenging Requirements
- Adequate and streamlined testing
- Establishing Affordability Targets as KPPs [(T)&(O)]
- Willingness to Trade Performance to Hold Cost & Schedule
- Executing Incremental Development Strategies

**One Changing Paradigm**

***Capability at Any Cost!***

***to***

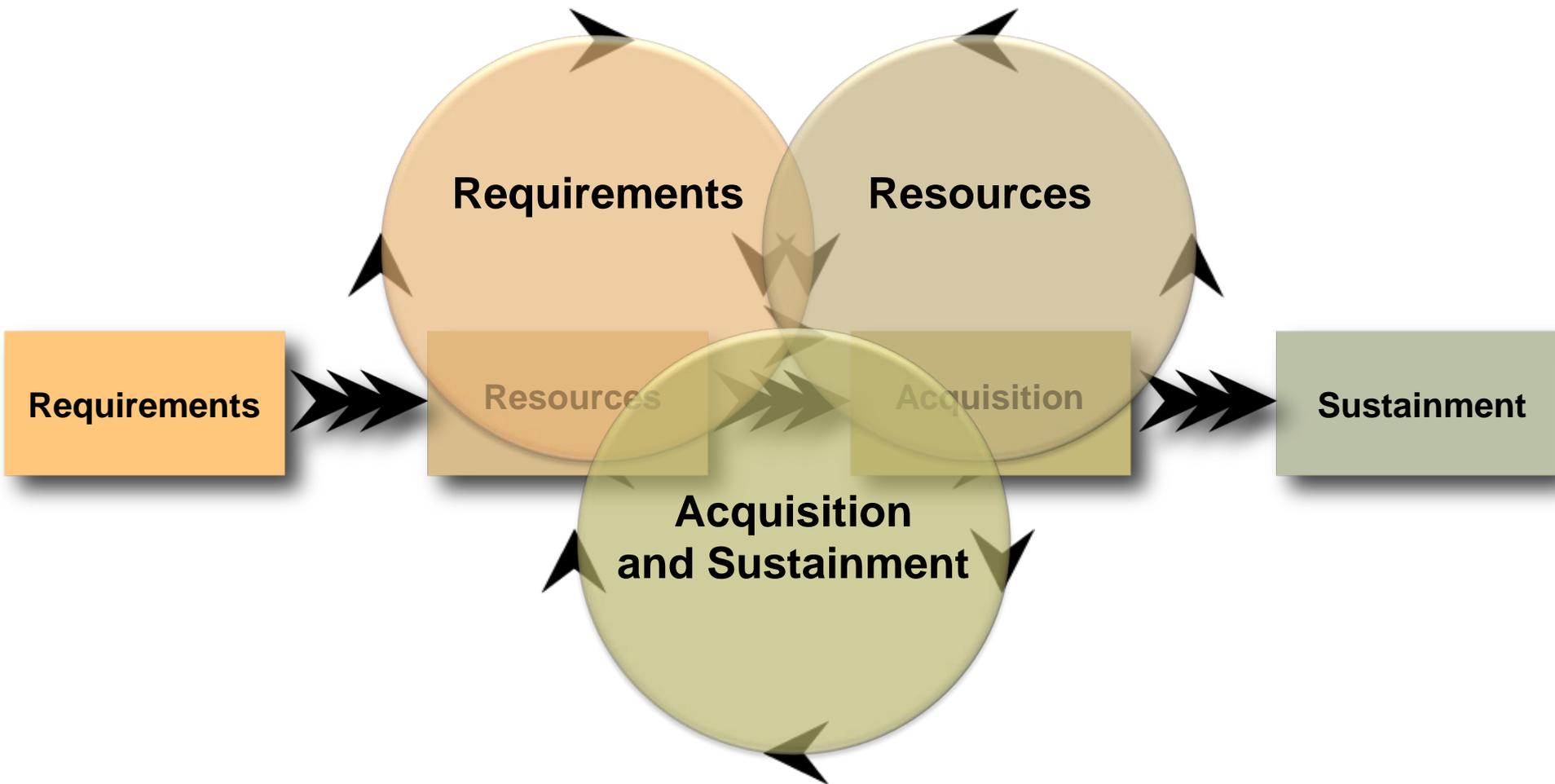
***What Capability at What  
Cost & Schedule?***

***Collaboration Absolutely Necessary – Industry Feedback Essential!!!!***





# Delivering Capabilities: BIG "A" Acquisition



**PMs must operate across the full spectrum of Acquisition**





# The Army's Combat Vehicle Modernization Strategy



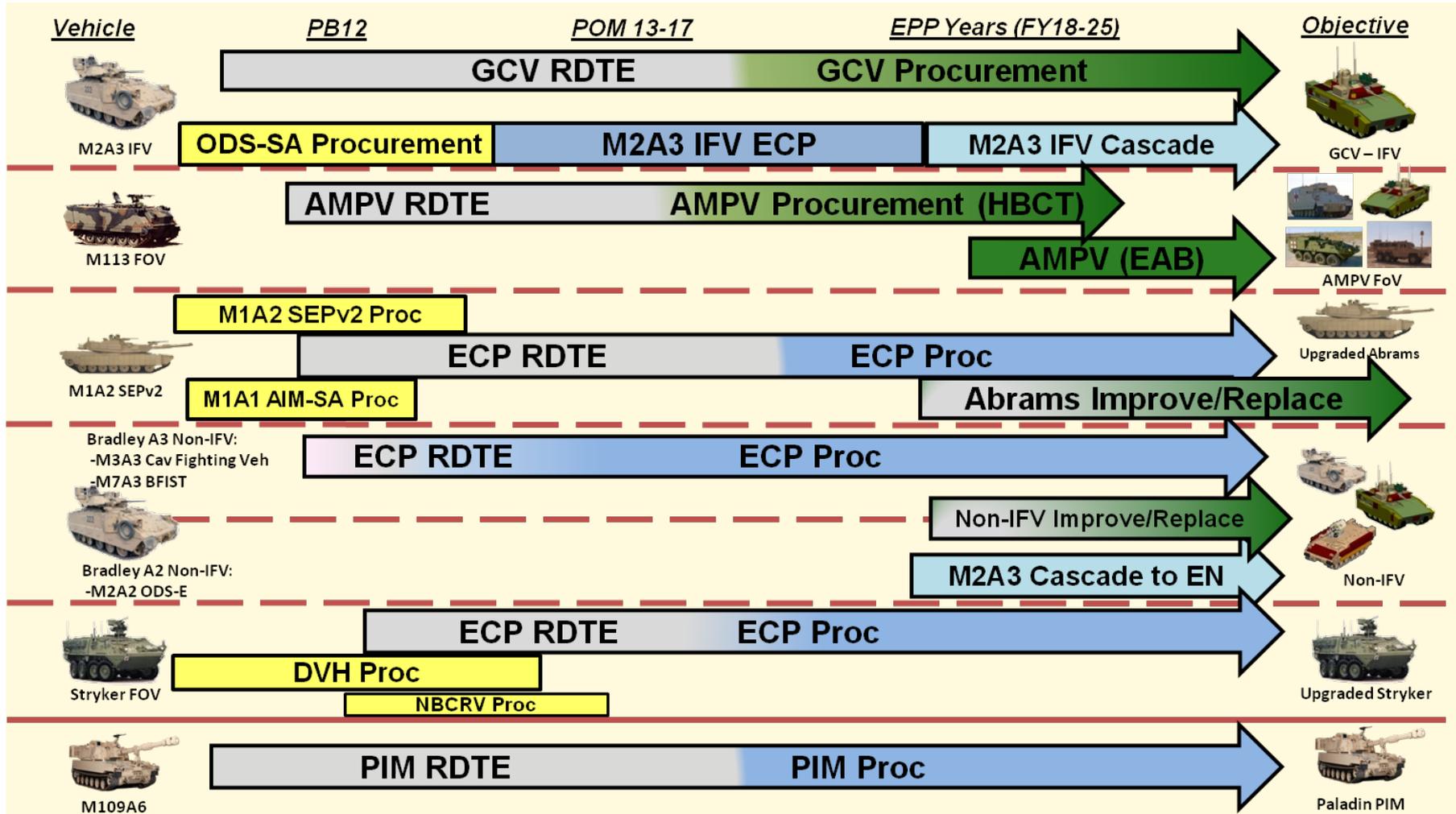
## *Transform, Replace and Improve\**

- *Transform* --- *acquire the Ground Combat Vehicle to provide our Soldiers the capabilities they need to fight and win today and in the future;\**
- *Replace* *our M113 Family of Vehicles with a platform able to meet the demands of today's Contemporary Operational Environment;*
- \* and *Improve* *our Abrams, non IFV Bradleys, Paladin and Stryker Vehicles so they remain relevant and capable.*





# Combat Vehicle Modernization Strategy Roadmap



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# Combat Vehicle Modernization



- Modernizing the fleet to improve capability gaps in **Protection, Network, Mobility** and **Lethality**
- ...while *regaining Space, Weight, Power and Cooling (SWaP-C)* margin required to integrate planned and future upgrades
- Modernizing to include modular and open architecture with growth potential to support integration of future capabilities
- Development and fielding of the GCV IFV, Paladin PIM and determining the replacement strategy for the Armored Personnel Carrier (M113) Family of Vehicles (FoV) remain the Army's priority efforts within this portfolio
- Fiscal realities and balancing across CVM portfolio support combination of developmental and ECP approaches





# GCV IFV MS A ADM Summary



- **Three-pronged approach driving toward an affordable set of requirements to support a well-informed MS B**
  - AoA Dynamic Update
  - Assessment of selected Non-Developmental Vehicles
  - Technology Development Strategy contractor efforts
- **Reinforced Army Cost and Schedule Targets**
  - \$13M AUPC
  - \$200/mile O&S
  - Seven years to first production vehicle
- **Full and Open Competition for the EMD phase**

## Key Aspects of GCV Strategy Remain Unchanged

- Driving to a “Fully Informed” MS B
- Incremental approach to attain capability with growth for future capabilities
- TD phase drives to affordable, achievable set of capability / requirements





# Challenges – Modernizing in Lean Times

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- Today's reality: continued fiscal uncertainty and impacts to modernation requires an improved acquisition model
- Maintaining appropriate industrial base as operations wind down
- Working more closely with you to maximize capabilities





# Army Modernization – Myths and Truths



## ACQUISITION TRANSFORMATION

- The budget environment we now face calls for a greater emphasis on affordability as part of a new balance between national security and fiscal discipline. Acquisition reform and the pursuit of efficiencies go hand-in-hand.
- The acquisition process is truly a team sport incorporating inputs from across DoD. (Requirements, resourcing, program execution, testing). Reform is really about harmonizing these inputs throughout the acquisition cycle.

**Myth:** Army has lived “high on the hog” over the last decade, now it’s the other services’ turn.

**Truth:** Army began with a \$56B shortfall in equipment (2001 Holes in the Yard). Army priority over the last decade has been the war fight. We have incrementally improved our existing equipment.

**Myth:** The Army can’t acquire anything, why invest in them?

**Truth:** Army modernization successes:

• MRAP and MRAP-ATV	• Helicopter Improvements
• 9 Body Armor Improvements	• Protected medium and heavy truck fleets (Up-Armored)
• Precision Munitions	• Stryker Double-V Hull
• C-IED (CREW Devices)	• 3 New Sniper Rifles
• New Camouflage Uniforms	• M4 Improvements
• Warfighter Information Network-Tactical (WIN-T)	• UAVs (Grey Eagle, Shadow, Raven)
• Joint Battlefield Capability-Platform (JBC-P)	• Light-weight Crew-served Weapons
• Joint Capability Release (JCR)	• Combat Vehicle Improvements

