

*Program Executive Office
for
Combat Support & Combat Service Support*

***NDIA 2009
Tactical Wheeled Vehicle
(TWV) Conference***

THOMAS H. BAGWELL JR.

*Deputy Program Executive Officer,
Combat Support & Combat Service Support*





- ◆ **Organization Update**
- ◆ **PEO CS&CSS Accomplishments**
- ◆ **Our Focus**
- ◆ **Our Challenges**
- ◆ **Our Approach**
- ◆ **Our Strategy for Future Acquisitions**
- ◆ **Tomorrow's Reality**
- ◆ **Army Strategy Overview**
- ◆ **Our Plan for Future Acquisitions**
- ◆ **Approach – Change in How We Do Business**
- ◆ **Expedited Modernization Initiative Procedure (EMIP)**
- ◆ **Summary**



Force Projection

-  Army Watercraft Systems
-  Bridging
-  Combat Engineer/Material Handling Equipment
-  Force Sustainment Systems
-  Petroleum & Water Systems



117 Programs



Joint Combat Support Systems

-  Joint Light Tactical Vehicle
-  Test, Modernization, & Diagnostics Equipment
-  Sets, Kits, Outfits, & Tools



91 Programs

Moved from PEO GCS



Mine Resistant Ambush Protected

-  Assured Mobility Systems
-  Joint Logistics
-  Development
-  Production



20+ Programs



Tactical Vehicles

-  Light Tactical Vehicles
-  Medium Tactical Vehicles
-  Heavy Tactical Vehicles
-  Armored Security Vehicles



87 Programs



PEO CS&CSS ~ Significant Accomplishments FY08

- ◆ **Obligating unprecedented amounts of money**
- ◆ **Supported the war fight while increasing production to include Surge and Grow the Army requirements; managed Reset fleets; modernized the modular force- simultaneously**
- ◆ **Fielded and Recapitalized unprecedented number of vehicles**
- ◆ **Continued to improve the overall survivability and safety of the tactical vehicle fleet**
- ◆ **JLTV Source Selection Completed**

Is to be Prepared for...

◆ Changes in Threat

- Small Arms
- Mines
- IEDs/EFPs

◆ Changes in Technology

- Ability to Keep Step with Technology Advances
- The Army is serious about designing with Future Growth in Mind - Headroom -Improve Capability, Survivability, Network Communication and Reduce Burden on Soldier and Operating Costs

◆ Changes in Mission

- Type of Conflict
- Type of Unit
- Homeland Defense



THREAT

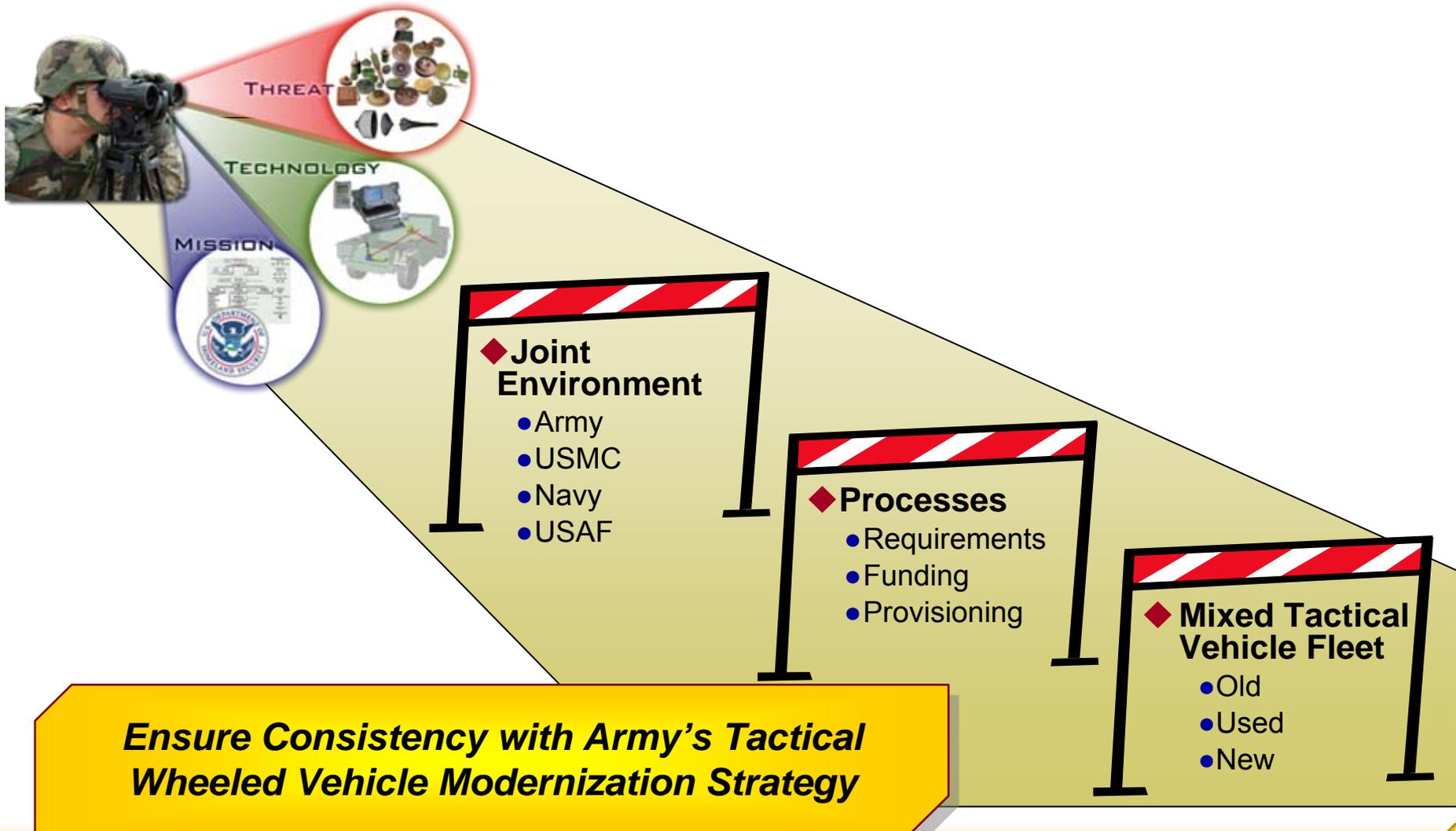


TECHNOLOGY



MISSION





◆ **Scalable C4I**

◆ **Adaptable Levels of Protection**

- Crew
- Vehicle
- Payload/Cargo

◆ **Commonality/Family**

- System Design
- Repair Parts/Sources of Supply
- Tools
- Maintenance Procedures
- Training
- SWaP – Do More with Less

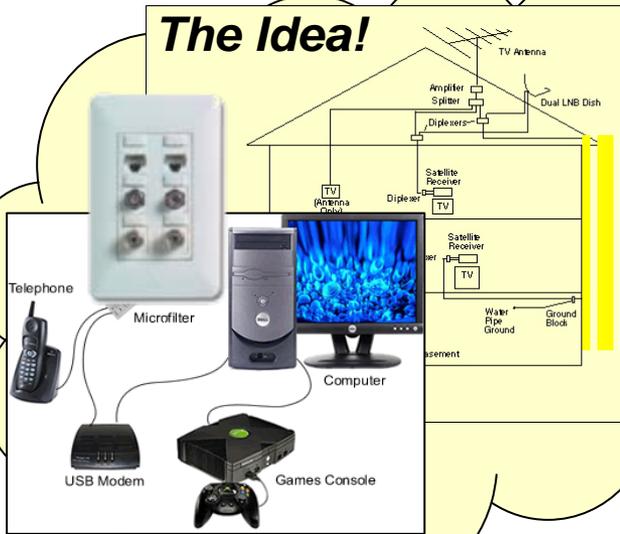
◆ **Ideally with No Impact on:**

- Payload
- Performance
- Protection

Balance Improvements and Design Changes Across the three P's

Our Strategy for Future Acquisitions

The Idea!



The Reality!



A-KIT – Electronic Controls & Databus



B-KIT – Vehicle Computer & Comm Suite

- ◆ A Kit / B Kit Development
- ◆ Plug and Play Capability
- ◆ Modularity
- ◆ Flexibility
- ◆ Common/Commercial Standards vs Unique

- USB
- Light Socket
- Electrical Outlet in a Room
- Cigarette Lighter in a Car

Databus

Engine

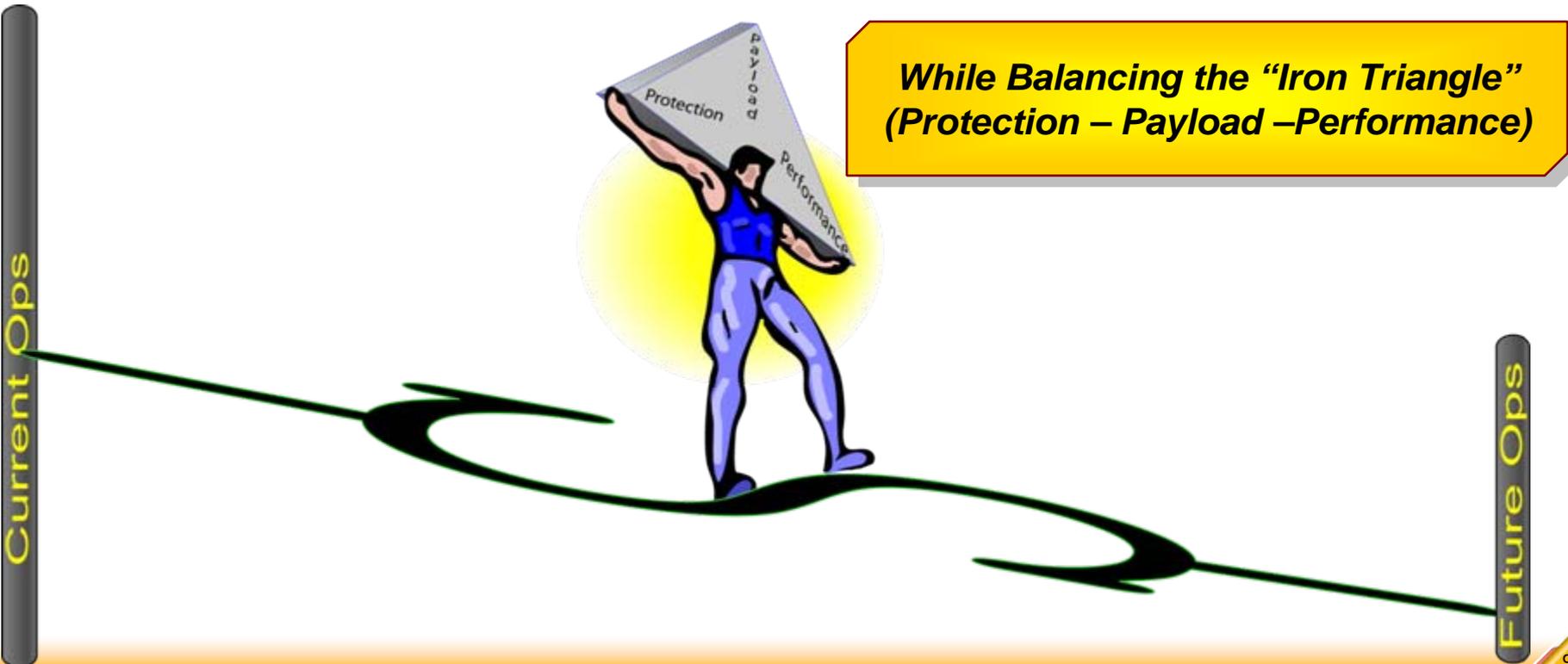
Transmission

Anti-lock Brakes

Central Tire Inflation

Giving the Commander in the Field the Ability to Adapt to Changes...to Mission...to Threat ...to Technology!

- ◆ Declining Budget with Persistent Conflict
- ◆ New Administration's Focus
- ◆ Continued Support of Army Force Generation (ARFORGEN) Model
- ◆ Need to Sustain and Continue Process Improvements when Money Declines





Army TWV Strategy Overview

PEO CS&CSS

- ◆ **The Army has a flexible TWV strategy**
- ◆ **Current wartime experiences are informing our strategy**
- ◆ **Tenets of TWV Strategy**
 - Take maximum advantage of existing platforms
 - Recap, Reset, Product Improvements
 - Plan integration of MRAP into the fleet mix
 - Emphasize a mixed fleet approach that spans the “Iron Triangle” of Protection, Payload and Performance
 - Move the Army to a fleet of TWVs that have scalable protection(integrated A-kit cabs and add-on armor B-kits)
- ◆ **Transition to Joint Light Tactical Vehicle (JLTV) as it is ready**

Our Plan for Future Acquisitions

CURRENT FORCE

FUTURE FORCE

◆ New

- JLTV
- MRAP ATV



◆ Continuous Improvement

- M915A5
- PLS A1
- HEMTT A4
- HMMWV ECV2
- FMTV A1P2
- HET A1



◆ Sustain

- RESET
- RECAP

None are Mutually Exclusive



Approach – Change in How We Do Business

- ◆ **More efficient use of limited resources**
- ◆ **Correlate business strategies with industrial (commercial and organic) base planning**
- ◆ **Continue to pursue Industry/organic base partnerships that leverage core competencies**
- ◆ **Incorporate lessons learned and good business practices from the support to the AOR**
- ◆ **Leverage innovation in government, industry, and academia**
- ◆ **Continue to RESET/RECAP the current fleet while developing future vehicles**

We must continue to manage Tactical Fleet consistent with ARFORGEN Model

Expedited Modernization Initiative Procedure (EMIP)

◆ What is EMIP?

- Multi-phased, continuous process, to identify potential improvements to Current / Future Tactical Wheeled Vehicle Fleet
- Identify & leverage Industry's investment in advanced technologies
- Provide both the Government & Contractors, single point of contact

◆ What is in it for industry?

- An opportunity to physically demonstrate new component technology
- Improved visibility
- Enhanced communication with Army community

◆ Qualification

- Technology Readiness Level (TRL) 7
- Available for production within 6 months
- Technologies new to Army (not already demonstrated in its current configuration)



◆ Submit Technology Application Ideas (TAIs) & Demonstration Plan to: TruckTech@conus.army.mil

◆ Next EMIP Demonstration Week - 27-30 Apr 09 at SANG (Tentative)

- TAI Submission - Cutoff Date is 13 Feb 09

- Market Research - not Source Selection – not a Program

Important Note: While EMIP is an excellent means to introduce new technologies to the Military, it can not change vehicle systems. Army PM's are responsible for changes to their systems, based on requirements and funding.

<http://peocscss.tacom.army.mil/EMIP/home.html>

- ◆ **The Army has a flexible TWV strategy**
- ◆ **Design From the Beginning to Accommodate Change in Threat, Mission & Technology**
- ◆ **Sustain and Continue Improvement Processes**
- ◆ **Essential that industry and the organic base develop strategic partnerships to optimize the impact of constrained budgets.**
- ◆ **Strong encouragement of industry collaboration on strategies**

Partner together to Reach Higher and Achieve More To Meet the Challenges of Today's Rapidly Changing Requirements