Program Executive Office
for
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Tactical Wheeled Vehicle (TWV) Conference

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Distribution Statement A: Approved for public release; distribution is unlimited
Agenda

◆ 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
◆ 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
Our Focus

*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
Our Challenges

- Joint Environment
  - Army
  - USMC
  - Navy
  - USAF

- Processes
  - Requirements
  - Funding
  - Provisioning

- Mixed Tactical Vehicle Fleet
  - Old
  - Used
  - New

Ensure Consistency with Army’s Tactical Wheeled Vehicle Modernization Strategy
Our Approach

◆ 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

A Kit / B Kit Development
Plug and Play Capability
Modularity
Flexibility
Common/Commercial Standards versus Unique

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

The Idea!

The Reality!

A-KIT – Electronic Controls & Databus
B-KIT – Vehicle Computer & Comm Suite

Giving the Commander in the Field the Ability to Adapt to Changes…to Mission…to Threat …to Technology!
Tomorrow’s Reality

- 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

While Balancing the “Iron Triangle” (Protection – Payload – Performance)
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

**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 cannot change vehicle systems. Army PM’s are responsible for changes to their systems, based on requirements and funding.

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