



# PROJECT MANAGER TACTICAL VEHICLES

TWV Update

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**THE ARMY TRUCK TEAM**



# Update to the Army Truck Team



PdM LTV:

PdM: Mr. Denny Haag

DPM: Ms. Tamara Bouzide

PdM MTV:

PdM: LTC Shane Fullmer

DPM: Mr. Jim Satchfield

PdM HTV:

PdM: LTC Dave Shuler

DPM: Ms. Patti Grashik

PdM JLTV:

Army PdM: Mr. Mark McCoy

Army DPM: Mr. Mike Receniello

USMC PdM: LtCol Mike Burks

USMC DPM: Mr. Scott Rideout



# A Truck Fleet in Transition

- ***Continuing support for deployed Soldiers and Marines***
- ***RESET/RECAP/Divestment of fleet redeployed from Iraq***
- ***Army force structure being reduced***
- ***Truck requirements being reevaluated***
- ***Inventory exceeding requirements***
- ***Emphasis on divestiture and sustainment***
- ***Reevaluating strategy and acquisition plans based on available budget***



# TWV "Back to the Future"

Est. Portfolio Value -

FY 00 - 32B

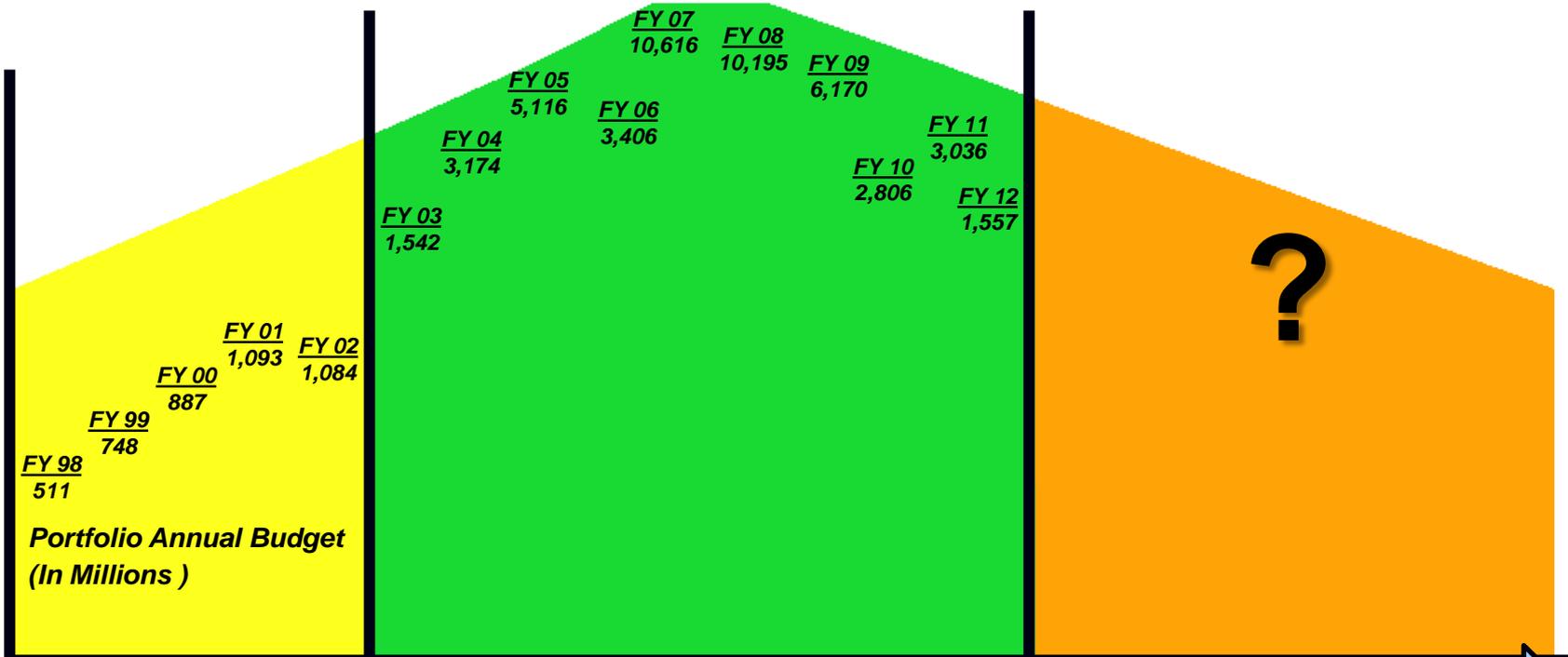
FY 12 - 81B

Est. Portfolio Density -  
(Minus Trailers)

FY 00 - 155K

FY12 - 282K

Prime OEM / Sub



1998

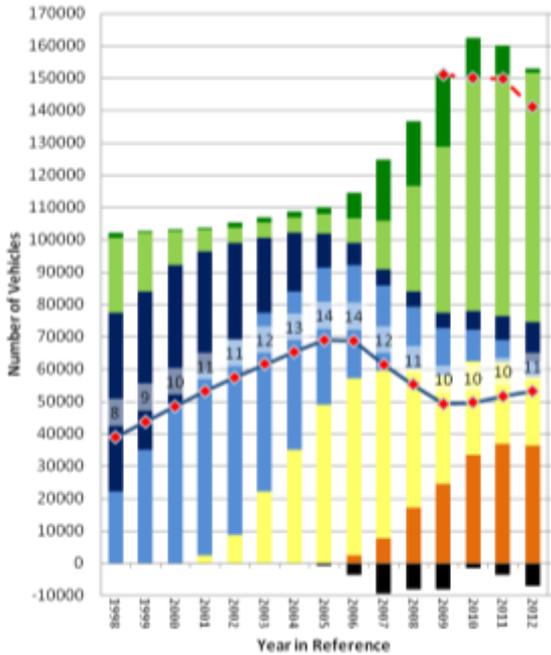
2008

2015

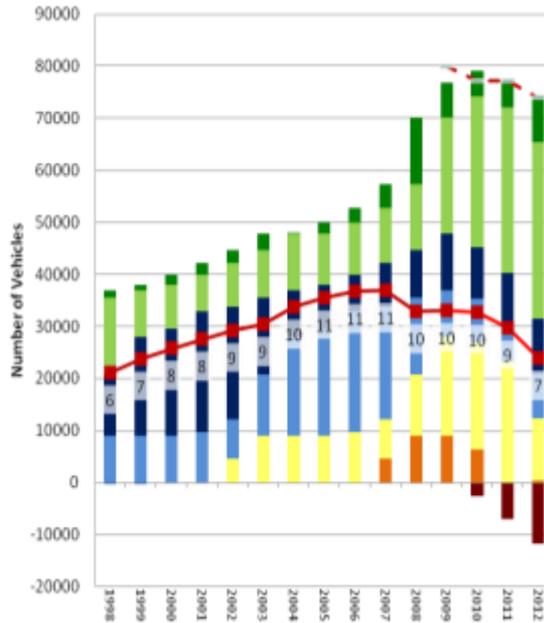


# Tracking the Fleet by Age

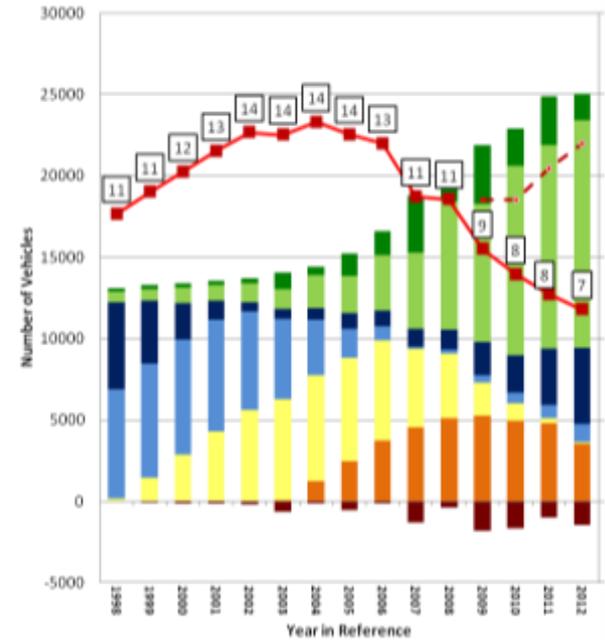
## LTV



## MTV



## HEMTT





# JLTV in the Media

## ● **Sep 2011**

- *"That's pretty much it for JLTV. I doubt the [House appropriators] will push back. "*

## ● **Nov 2011**

- *"The program is viewed by some as fighting for its life"*
- *"Senate appropriators, citing high costs, schedule overruns and wobbly requirements, terminated all JLTV funding"*

## ● **Dec 2011**

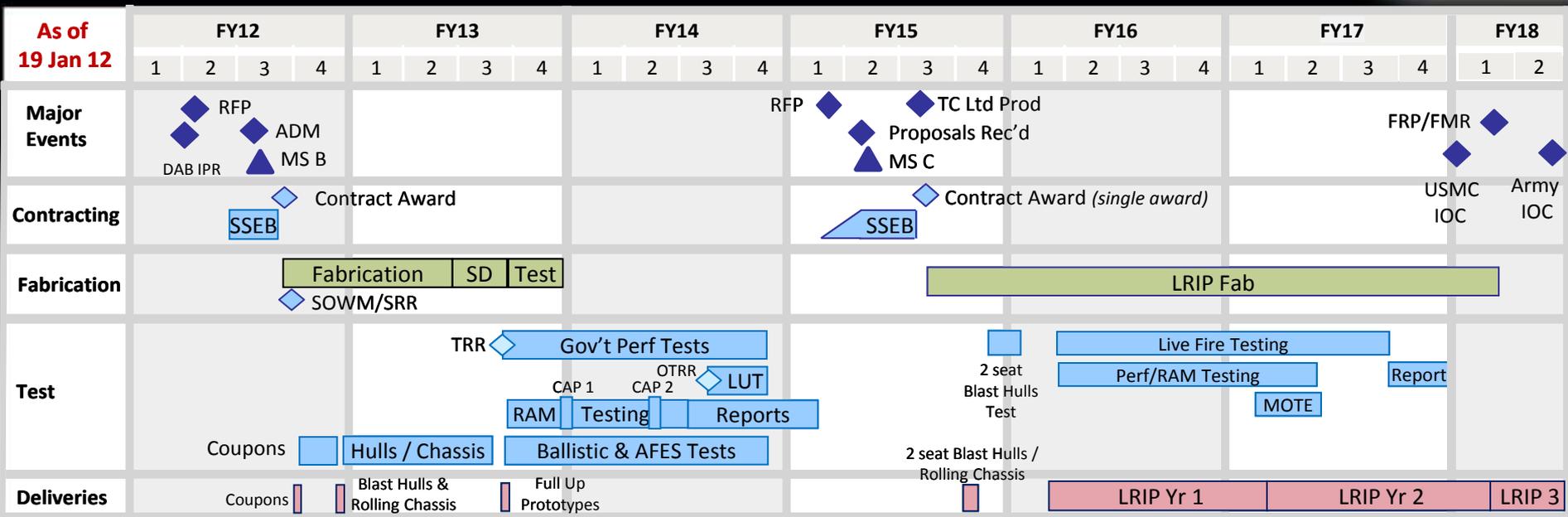
- *"Since the Army has a poor record of keeping such programs on track, some potential competitors are considering not bidding at all."*
- *"The structure of incentives the Army has put in place drives them toward offering warmed-over versions of vehicles already available as a way of minimizing their investment exposure."*
- *"I'm not surprised they asked for it, just surprised that they got it," said one congressional source reacting to news of the cost target increase.*

## ● **Jan 2012**

***"Army Chief of Staff Gen. Raymond Odierno recently called the JLTV the Army's No. 3 modernization priority" – Inside The Army, 27 Jan 2012***



# JLTV Program Schedule



- **EMD RFP released on 26 Jan 2012**
  - Current RFP closing date is 13 Mar 2012
- **MS B Decision, 3<sup>rd</sup> QTR FY 12**
- **EMD Contract Award, 3<sup>rd</sup> QTR FY 12**
- **EMD Testing: 14 months (Performance, Reliability, Ballistic and Limited User Test (LUT))**
- **Majority of Logistics development deferred to LRIP** (*i.e. Provisioning and validated TMs*)
  - ICLS may be required until Organic Support is established
- **Fixed Price contract for Production** (*3-yr LRIP + 5-yr Multi-Year*)
  - Continuation of RAM growth through LRIP

**Key:**

- Gov't Action
- Ktr Action
- Ktr Delivery



# JLTV EMD Phase

- *Up to three competitively awarded, best value, firm-fixed price contract(s) (\$65M cap for base contract effort) for vehicles and other test articles, testing, support to Government test (FSRs and spares, repair parts), and data. Period of Performance is 27 months.*
- *Selection of EMD vendors is focused primarily on proposed performance against a subset of PD requirements, design maturity, schedule, and production cost estimates:*
- *Delivery of 22 Prototypes starting 12 months after contract award to support developmental testing. Vehicle acceptance does not require conformity with all EMD PD requirements – vehicles must meet requirements that allow entry into testing.*
- *The tiers in the Purchase Description (PD) that is incorporated into the EMD RFP is information only. The 5 tiers of the EMD PD represent current priorities - indication of how performance compliance could be considered and used during Production contract source selection.*
- *PM intent is to shift emphasis during production source selection to a more comprehensive evaluation of both demonstrated performance and lifecycle cost:*
  - Fuel consumption
  - Maintenance Ratio and Maintainability
  - Logistics Footprint
  - Life Cycle / Sustainment costs
  - Commonality of parts across the family of vehicles
  - Maturity of logistics products

“More comprehensive evaluation of performance” means that above threshold and objective level performance, along with non-compliances, are likely to be considered during production source selection.



- **Span of Control: JLTV (Joint, Army Lead), HMMWV, ITV, MCTAGS, LTT, others**
- **JLTV: Most cost-effective program to meet critical capability gaps in the USMC light combat vehicle fleet**
  - *USA/USMC united front on a common JLTV base vehicle requirement*
- **HMMWV: Modification Line Strategy (Feb 2012)**
  - *Reflects USMC prioritization of 2004 ORD-based requirements*
  - *Areas of focus: Safety, Durability, Reliability, Payload, Mobility*
  - *Objective: Restoration of max capability within resource constraints*

**JLTV**



**HMMWV**



**ITV**



- **JLTV AAO:**
  - 5,500
- **HMMWV:**
  - Drawdown to ~18,500
  - Replace 5,500 with JLTV

2004 HMMWV ORD KPP/KSA/Other Attributes (Armored Variants)	Status
Payload	<T
Side Slopes/Longitudinal Slopes	<T
Speed on Grade/Acceleration	<T
Mobility Rating	<T
Ride Quality/Limiting Speed/Vertical Acceleration	<T
Fuel Economy	<T
O&S Costs	<T



# PdM LTV – Future Business Opportunities

- ***HMMWVs are moving from continued New Production to Sustainment. Since 2003 approximately 74,000 New Production HMMWVs have been added to the LTV fleet***
  - *HMMWVs are a critical component of Department of Army force structure through 2025. Continued part support and controlled obsolescence are required*
  - *HMMWV Recapitalization – Requirement for 10K Recapped HMMWVs at the Depots in FY 12-13*
- ***Meeting Trailer customer needs – M200A1, M1061A1, Light Engineering Utility Trailer (LEUT), and Light Tactical Trailer (LTT)***





# Upcoming PdM LTV Trailer Solicitations

## M200A1 2-Wheel 2.5-Ton Chassis Trailer

- Program Description: Tactical Chassis Trailer for mounted generator applications—15, 30, or 60kW
  - APB: Sep 03
  - Payload: 5000 lbs
  - GVW: 7,015 lbs
  - Prime Movers: FMTV / 2.5 Ton
  - AAO: Customer Established
  - Air over hydraulic service brakes, manual parking brakes, single axle, leaf spring suspension, ABS (new )
  - Off road capable
- Program Overview:
  - Customer funded by PM MEP
  - Current deliveries ended in Nov 11
  - Preparing competitive Solicitation (SBA set aside)
  - Qty: 5300, over five years
  - Program Schedule (tentative)
 

• Release RFP	2QFY12
• Contract Award	4QFY12



## M1061A1 4-Wheel (Tandem Axle) 5-Ton Flatbed Trailer

- Program Description: Tactical Flatbed Trailer for mounted generator applications—60kW & 100kW
  - Payload: 10,000 lbs
  - GVW: 15,850 lbs
  - Prime Movers: FMTV / 5 Ton
  - AAO: Customer Established by PM MEP for Army/AF reqmts
  - Air over hydraulic service brakes, manual parking brakes, tandem axles, leaf spring suspension, ABS (new)
  - Off road capable
- Program Overview:
  - Out of production since 1997
  - Preparing competitive Solicitation (SBA set aside)
  - Qty: 112 (Min) - 1000 (Max)
- Program Schedule
 

Release RFP	2QFY12
Contract Award	4QFY12



## Light Engineer Utility Trailer (LEUT)

- Program Description: Tactical trailer to transport small CE, to enable engineer units to gain, control and sustain route access, effectively maintain momentum & mobility throughout battle space, and to meet future Engineer Force (FEF) air transportability guidance.
- Program Overview:
  - MDD projected for FY13; No ACAT yet;
  - Type I: 4-Ton; LVAD capable, for Type 3 Skid Steer Loader (SSL, wheeled), with attachments (LVAD reqmt adds cost/schedule risk to Type I ).
  - Type II: 10-Ton, for Backhoe Loader (BHL) and Type 2 SSL (tracked), with attachments and supplement
  - CPD validated by G-3 in Mar 07
  - LTV assumed program mgmt, Aug 11
- Program Schedule:
 

Market Survey	4QFY13
RFP	1QFY14
Contract Award	2QFY14





# FMTV Status

- ***Oshkosh produced FMTV A1P2 variants (excluding M1089 Wrecker) have successfully completed Production Verification Test (PVT) and Live Fire Test and Evaluation (LFT&E)***
  - *PVT was completed on 5 variants (200,000 miles)*
  - *LFT&E was completed on Oshkosh produced cab with Oshkosh produced B-kits*
  - *Test & Evaluation Master Plan (TEMP) Addendum Complete and Approved*
- *A1P2 variants were granted a Full Materiel Release including the B-kits on 31 Aug 11*
- *Re-buy Wrecker test in progress*
- *13,852 trucks / 5,783 trailers on order*



# FMTV Schedule

FY11				FY12				FY13				FY14				FY15				FY16				FY17														
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4											
RESEARCH, DEVELOPMENT, TEST & EVALUATION																																						
Technology Insertion																																						
PROCUREMENT																																						
Oshkosh Contract												Re-buy Deliveries																										
BAE Closeout																																						
												Follow-on Production																										
OMA																																						
SSTS																																						
RESET																																						



Recap is a Decision Point



RECAP EVAL



RECAP EVAL



# MTV Summary

- ***17 FMTV Variants (2.5 & 5 ton payload class)***
- ***Companion trailers capable of doubling payload.***
- ***Current Challenges***
  - *Soldier Survivability*
  - *Fuel Economy*
  - *Improved Reliability at the Component Level (same form, fit, and function)*
  - *Sustaining the Fleet*



# PdM HTV FY2012 Objectives

- **21 Products, 10 OEMs**
- **Over 53,000 Systems Fielded Worldwide**
  - M915A5
  - HETS1
  - PLSA1
  - HEMTTA4 Production & Recap
  - Interim Stryker Recovery System Gen II
  - Associated Material/Container Handling Equipment
  - M870A4 40 Ton Low-Bed Semitrailer



# PdM HTV Competitive Contract Overview

- **Focus shifting from new production to sustaining the fleet through Recap with emphasis on safety/survivability enhancements**
  - Possible future inclusion for fuel efficiencies
  
- **Future Competitive Contracts**
  - **FY2012**
    - ◆ External Fire Suppression Kits
    - ◆ Armor Protection Kits
  - **FY2013**
    - ◆ E-CHU





# Summary

- ***Truck fleet is in transition – Will likely remain so for some time***
- ***Shift from procurement to sustainment***
  - *Modernization through spares*
  - *Continue to evaluate survivability improvements, fuel efficiency improvements, lifecycle cost reduction*
  - *Concerned about health of industrial base at both prime vendors and suppliers*
- ***JLTV will meet the highest priority capability gaps for both the Army and Marine Corps***