



Survivable Vehicles for the Warfighters



Joint Program Office Mine Resistant Ambush Protected Vehicles 03 Feb 2008



Presented by
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JPO MRAP Program Manager





Tactical Response

❖ Change in enemy tactics generated an urgent Warfighter need for:

- Mine Resistant Ambush Protected Vehicle
- Large quantities
- Required ASAP

❖ MRAP Program is the response to this urgent need

- Unprecedented effort
- Unprecedented speed
- Unprecedented Gov / Industry Teamwork

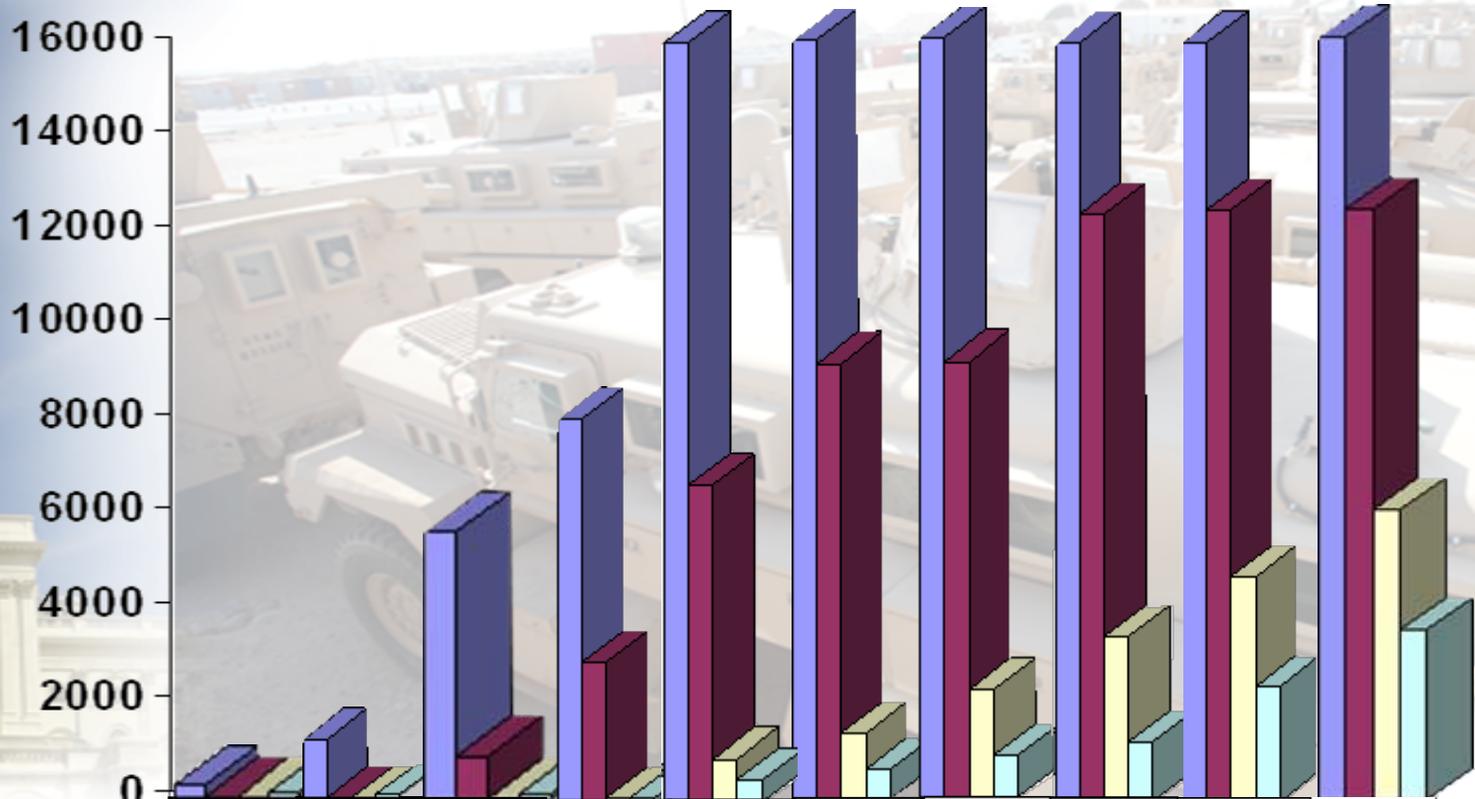
**Delivering Survivable,
Fully Capable
Vehicles ...**



...With Speed and Urgency!



MRAP – The Numbers



	May-06	Jul-06	Feb. 2007	May-07	Sept. 2007	Oct. 2007	Nov. 2007	Dec. 2007	Jan. 2008	Feb. 2008
Requirement	185	1185	4060	7774	15374	15374	15374	15374	15374	15374
Vehicles On Order	0	0	639	2853	6415	8815	8815	11891	11981	11981
Vehicles Produced (Cum)	0	0	10	141	875	1328	2170	3357	4556	5848
Vehicles Fielded (Cum)	49	63	91	120	435	593	834	1211	2350	3426



Integrated Defense Acquisition, Technology, & Logistics Life Cycle Management Framework

The Milestone Decision Authority may authorize entry into the acquisition process at any point, consistent with phase-specific entrance criteria and statutory requirements

This chart is a companion with Defense Acquisition University systems. It provides a national framework of the framework. The chart is a companion with Defense Acquisition University systems. It provides a national framework of the framework. The chart is a companion with Defense Acquisition University systems. It provides a national framework of the framework.

Joint Capabilities Integration & Development System (need driven)

Oversight & Review

Contracting

Major Products

Logistics/Sustainment

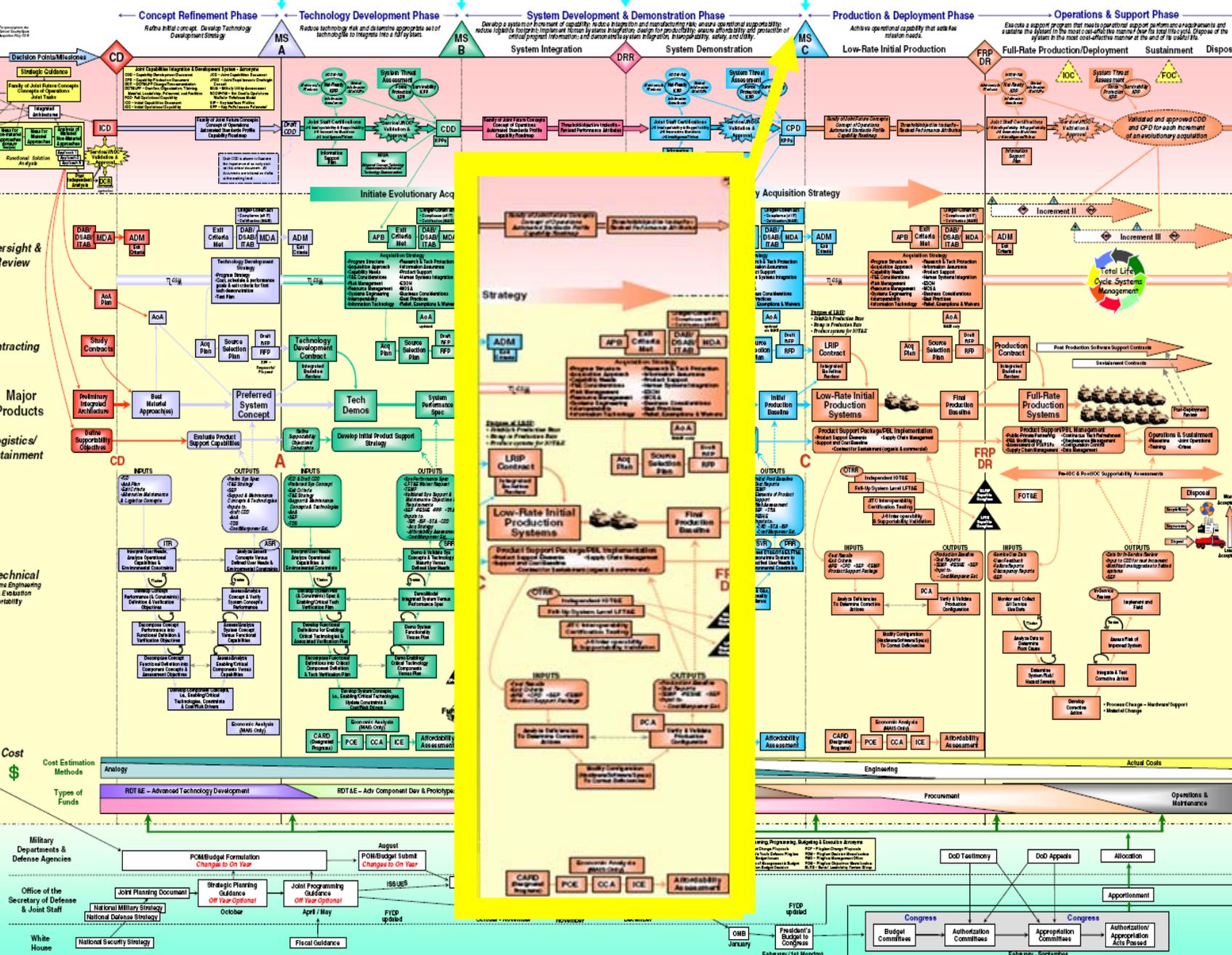
Defense Acquisition System (event driven)

Technical Systems Engineering

Cost

Planning, Programming, Budgeting, & Execution Process (biennial calendar driven)

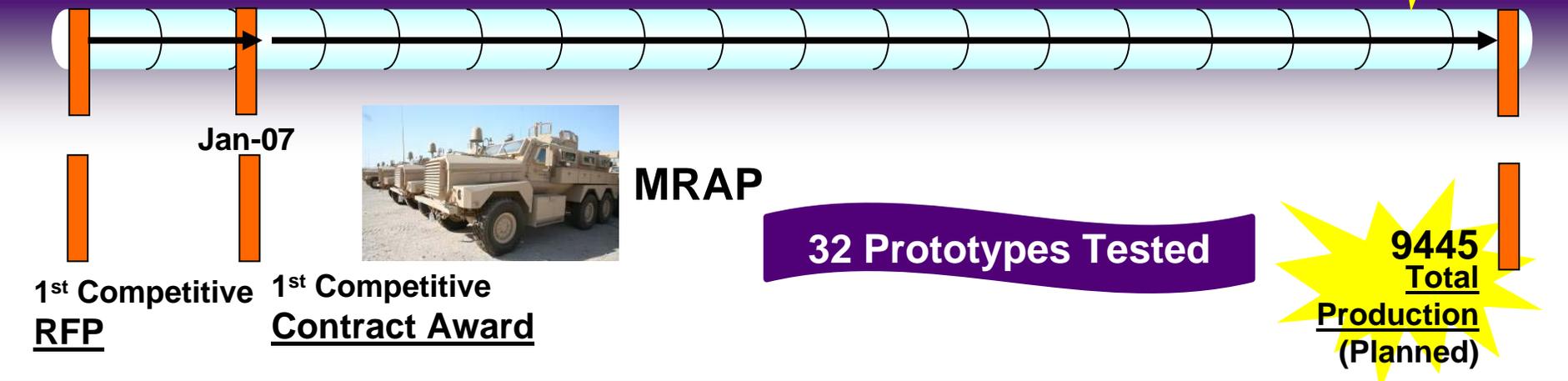
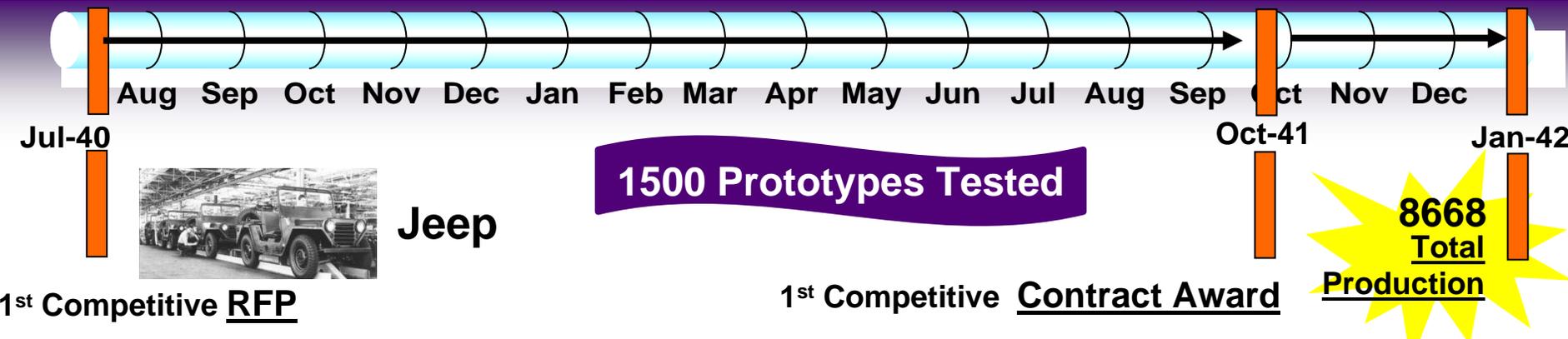
White House





MRAP – Compared to a Legend

❖ WW II also saw an unprecedented display of the US industrial base capabilities. More than 650,000 Jeeps were produced.



MRAP vehicles are significantly more complex!



The MRAP Team Production

- ❖ **5 OEM Vendors**
 - **10 Vehicle Variants**
 - **Global manufacturing facilities**





The MRAP Team - Production

❖ **62 Major Tier 2 vendors for 15 critical sub-assemblies, for example:**

- Armor (8)
- Diesel Engines (3)
- Suspension components (9)

❖ **Defense Contract Management Agency (DCMA)**

❖ **Testing and Evaluation Commands**





BAE RG - 33



First Fielding RG33 in Iraq



RG33 MRAP SOCOM Variant



Red River Army Depot Team in Iraq



MRAP SOCOM Vehicles - New Equipment Training



RG33 Heavy MRAP



RG33 Trainers and Maintainers in Iraq



BAE TVS - Caiman



What **Bold** Action Have You Taken?



On Patrol



101 ABN – “Survivors”



Adaptable Protection

Quality, Volume
Production

Committed Support



GDLS-C - RG-31

International Effort. Delivering to Support the Warfighter.



OMC personnel in South Africa celebrate delivery of 121 MRAP vehicles in 2007 after producing a record 91 RG-31s in December.



RG-31 MRAP production at Demmer in Lansing Michigan.



FPI - Cougar

FORCE  **DYNAMICS**



FORCE DYNAMICS, LLC

**A joint venture of
General Dynamics Land Systems
and Force Protection Industries, Inc.**



IMG - MaxxPro



Garland, TX



IMG

SPAWAR



West Point, MS



Aberdeen Proving Ground, MD





The MRAP Team – Integration

❖ SPAWAR System Center Charleston

- Now integrating an average of 50 vehicles per day.

60 Vehicles
Integrated with GFE in
1 day on
Dec 12, 2007





MRAP Team - Transportation

❖ TRANSCOM

Shipping Totals as of January 24, 2008



Airlift 1683



Sealift 1048





The MRAP Team - Fielding

❖ Services and Components

- USMC
- USA
- USAF
- USN
- SOCOM

❖ Service Logistic Commands

❖ Warfighters

Original Plan

7,774
Vehicles on Order

- Centralized Fielding
- Centralized Support Requirements
- 90 Day Parts Block

+

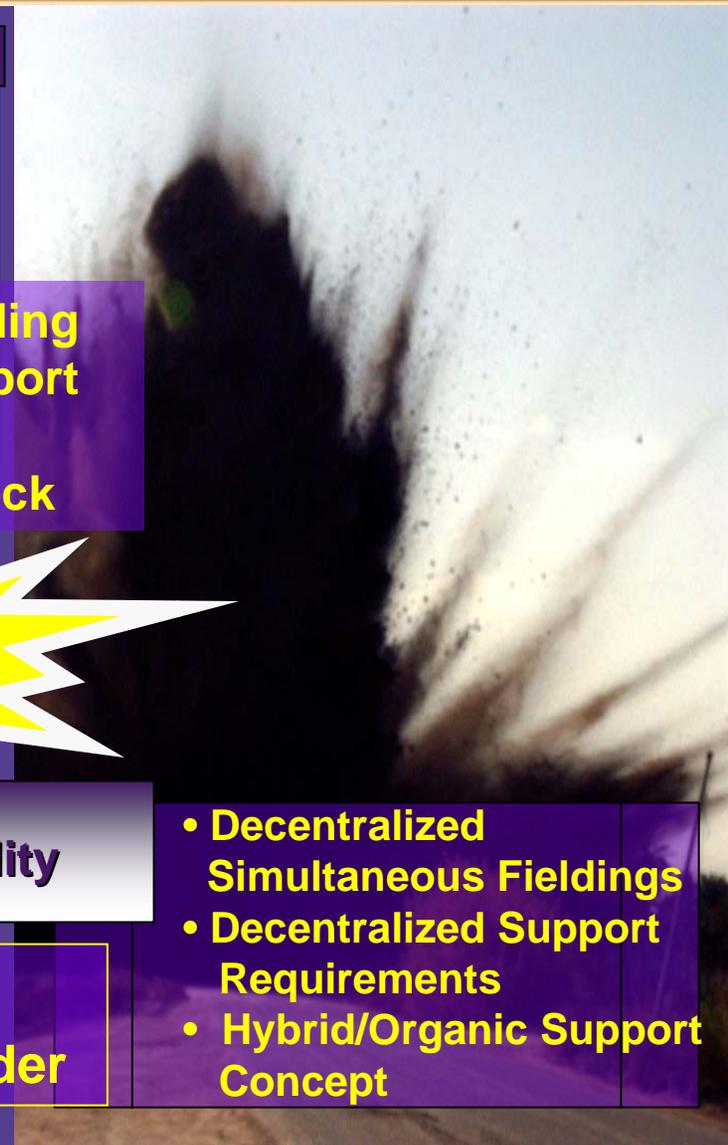
Warfighter Feedback
and Lessons Learned

=

Current Reality

15,374
Vehicles on Order

- Decentralized Simultaneous Fieldings
- Decentralized Support Requirements
- Hybrid/Organic Support Concept

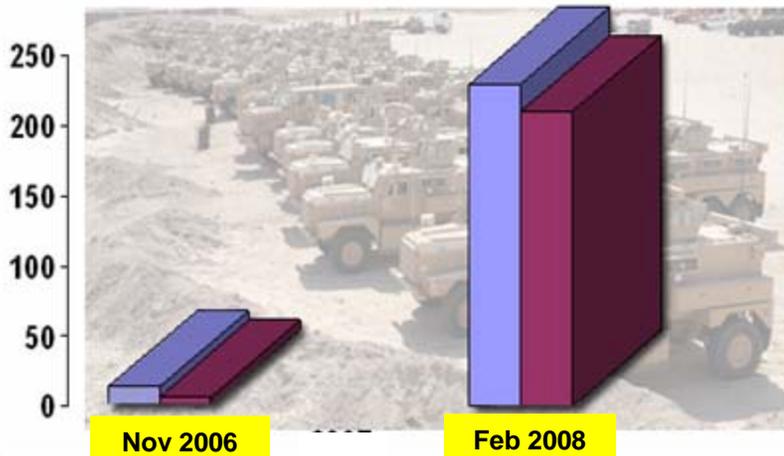




Team Growth

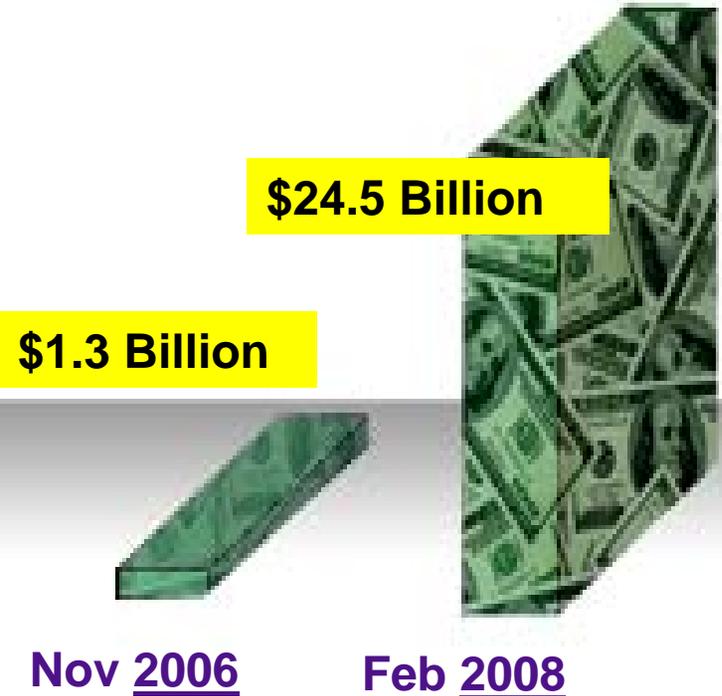
❖ Joint Program Office

Personnel Billets



	Nov-06	Feb-08
Government Billets	3	230
Contractor Billets	6	210

Total Program Funding





JPO - MRAP Challenges

❖ Cost

- *Defining Long-term Sustainment Requirements and Controlling Costs*

❖ Schedule

- *Meeting Accelerated Acquisition, Production and Fielding Requirements*

❖ Performance

- *RAM implications of Engineering Change Proposals and Spiral Development*

❖ Technical

- *Stressing the industrial Base (Axle, Steel and Tire Availability)*



Aggressive Risk Management Pays Off for the Warfighter



Our Goals

- ❖ Program Goals are set high and continue to evolve
- ❖ The program has met many of those goals – many more to meet.
- ❖ The vehicles are saving Warfighters lives



MRAP ... Breaking Time Barriers!

And the Program is Just Getting Started!



MRAP Mission

Protecting Those Who Protect Us!



“We’re out there all the time and these vehicles...
“They are like riding in a bank vault with wheels.
“Knowing Marines are safe after a bomb blast all because I am
mean the world to us because without them, we
long Garuck makes it all worth after ...
wouldn’t be able to do what we’re doing...”



Contact Information

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We are Hiring the Best . . . Now!

Dial 1 (800) JPO - MRAP