Joint Program Office
Mine Resistant Ambush Protected Vehicles

Presented by
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Purpose

❖ Overview of the MRAP Program
  ▪ Historic
  ▪ Programmatic

❖ Ongoing Priorities
  ▪ Fielding
  ▪ Upgrades
The Problem
Joint MRAP Vehicle Program

JPO MRAP Cornerstones

SECDEF Memo
2 May 2007

- "The MRAP program should be considered the highest priority Department of Defense acquisition program…"

- "…any and all options to accelerate the production and fielding of this capability to the theater should be identified, assessed and applied where feasible."

- "…the urgency of the situation …requires that we thoroughly examine all options to put as much of this enhanced capability in the hands of our troops as rapidly as reasonably possible."

OSD TASK Force Charter

"Directing that a Department-wide task force be formed to integrate planning, analysis, and actions to accelerate over the next year the acquisition of as many MRAPs as is possible and prudent"

Secretary Gate’s Memo dated 30 May 2007

“Speed is of essence”

Accelerated Production to Maximum Capacity by Adding Additional Vehicle Variants to Meet CENTCOM Requirements Faster
Joint MRAP Vehicle Program

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185 - May 06 MNF-W Commander

1,185 - Dec 06 JROC Validated

# MRAP Vehicles in 000

20,000+

15,374 - Sep 07 JROC validated

21,482 - Jul 09 JROC validated

16,238 - Nov 08 JROC validated

6,738 - Feb 07 MROC validated

1,185 - Dec 06 JROC Validated

185 - May 06 MNF-W Commander

7,774 - May 07 JROC validated

4,066 - Nov 06 Army-USMC board

Increased Army totals from 2,500 to 10,000 vehicles and included 100 test vehicles

Supported increased vehicle reqts for OEF

Supported increased reqts for OEF

Supported M-ATV reqts for OEF

Established Army final reqt at 12K, SOCOM final reqt at 378, and final ballistic test reqt at 133 vehicles

Service & Congressional call for added vehicle protection drove rapid requirements growth.

27,344 - Dec 10 JROC validated

26,882 - Jan 10 JROC validated

15,838 - Jul 08 JROC validated

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Program Response

Program Imperatives
- Streamlined Acquisition Process
- Speed to Produce
- Multiple Variants
- Urgent Fielding
- Evolutionary Development of Variants
- Adaptive Support

Tradeoffs Considered
- Deliberate Developmental Program
- Single Producer
- Sequential, Lock-step Testing
- Full Organic Support
- Technical Data Package

Delivering Survivable, Fully Capable Vehicles that Save Lives…

…With Speed and Urgency!
MRAP Snapshot

- DoD’s Largest $ Program in FY10
  - Larger than the Missile Defense Agency
- ~26,512 Vehicles Procured in Less Than 3 Years
  - Concurrent Production, Testing, and Fielding
- ~21,200 Vehicles Fielded to Warfighters in Theater
- Operational Readiness Remains >90%
- ~$44B Total Appropriated Through FY10
  - OCO Supplemental Funding
- 20 LRIP Decisions and Counting
- 90+ Contracts, 6 OEMs, 100+ Variants
- M-ATV Variant Developed for OEF
  - Fielded 5 Months After Production Award
- Rapidly Responded to Urgent CENTCOM need for MRAP Recovery Vehicle (MRV)
  - Awarded Contract Mod within 4 days of Receiving LRIP ADM Amendment
- Up to 20 Items of GFE Integrated Per Vehicle
  - SPAWAR Charleston Integrating Upwards of 45 M-ATVs per Day
Mission In Motion - Cumulative

- **Program Start**: November 2006
- **Less-than-major Rapid Deployment Capability program**
- **Supporting two JUONS for 1,185 vehicles**
- **Contract for up to 280 vehicles awarded.**
- **ACAT I designation**: September 2007
  - JPO formed with representation from all Services and USSOCOM. Requirement increased to 15,314 MRAP vehicles.
  - JPO Forward established in theater October 2007
  - Joint Logistics Integrator (JLI) contract award
  - 11,881 vehicles on order December 2007
- **M-ATV RFP**: December 2008
- **Packard Award**: October 2008
- **Mission In Motion - Cumulative**: JROCM increased M-ATV requirement to 6,644 (147-09) for 22,882 vehicles. November 2009
  - JROCM (001-10) increased by 4,000 MRAP vehicles for total of 26,882. December 2010
- **IDIQ contract awards**: January 2007
- **Vehicles on Order**: 5,880 vehicles on order July 2007
  - First MRAP Expedient Armor Fielded May 2008
  - Joint Logistics Integrator (JLI) contract award
  - First MRAP Expedient Armor Fielded May 2008
  - Accepted 15,000th vehicle January 2009
  - 18,093 vehicles on order February 2009
- **First MRAP**: 10,000th MRAP vehicle is fielded in Iraq February 2009
- **First MRV arrives at APG Dec 2010**
- **LRIP 19 & 20**

**Number of MRAP Vehicles**
- **Unclassified**
The MRAP Team - Sustainment

- Services and Components
  - USMC
  - USA
  - USAF
  - USN
  - SOCOM

- Service Logistic Commands

- Warfighters

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Original Plan

7,774 Vehicles on Order
- Centralized Fielding
- Centralized Support Requirements
- 90 Day Parts Block

Current Reality

26,560 Vehicles on Order
- Decentralized Simultaneous Fieldings
- Decentralized Support Requirements
- Hybrid/Organic Support Concept

Warfighter Feedback and Lessons Learned

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JPO Enterprise

MRAP Enterprise—Multiple Locations, Single Focus!

CONUS

Iraq

OCONUS

Afghanistan

MRAP Functional Area | Locations
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JPO MRAP | Quantico/Stafford, VA; Warren, MI
Test Facilities | Aberdeen, MD; Yuma, AZ; Huntsville, AL
Logistics Support | Albany, GA; Barstow, CA; Red River, TX
Regional Support Activities | Throughout Iraq, Afghanistan
MRAP Support Facility | Kuwait
Mission Priorities

- Responsible Drawdown
- Sustainment / BDR
- RG-33 ISS
- C2OTM

Way Ahead

- MRAP Fleet Retrograde
- RSA Parts / Equipment Retrograde
- Personnel Reductions
- Est. Mission Complete Dec 11

Maintain continuous support to Warfighter

Ramping Down
Kuwait/PM Forward

- MRAP Sustainment Facility (MSF) Operations
  - CENTCOM Priorities
    - APS-5
    - HAAB
    - Coalition
  - Caiman MTV
  - Theater Sustainment Stocks
- Camp Buehring
  - RIP/TOA Training
  - Sustainment Operations
- Theater Operations Center
- Retrograde

Maintain Flexibility
Mission Priorities

- BDR / Sustainment
- Safety / Survivability
- Recovery
- Maneuverability
- Deprocessing

Way Ahead

- Facility Infrastructure Build-up
- RSA / FOB Expansion
- Expeditionary Maintenance

*Speed of response to support the Warfighter*
Initiatives

- **Independent Suspension Systems (ISS)**
  - Responds to Terrain and Conditions in OEF
  - Increases Speed, Capability Off-Road

- **Survivability Upgrades**
  - RPG Defeat Technology
  - Blast mitigation technologies (seats and floor mats)
  - M-ATV Underbody Improvement Kit

- **Caiman MTV Chassis Upgrade**

- **Cougar CAT II and M-ATV Ambulance Variants**

- **MRAP Recovery Vehicle**
  - Provides winch, lift, tow capability with MRAP survivability
  - LUE planned for early 2011

- **Improved Turret Drive System (ITDS)**
  - Allows integration of Overhead Protective Cover to OGPK
  - One-for-one bolt in replacement for Battery Powered Motorized Traversing Unit (BPMTU) in OGPK

- **Rollover Detection Warning System (RDWS)**
  - Provides advanced warning of hazardous conditions
  - Applicable across fleet
Priorities

- **Fielding**
  - ISS (Independent Suspension System) Upgrades – Cougar, RG-31, RG-33, MaxxPro, Caiman
  - MRAP Recovery Vehicle
  - New production vehicles

- **Ambulances**

- **Readiness – All Variants**

- **Rightsizing Capacity of Theater Facilities**
  - Kuwait – MRAP Sustainment Facility (MSF)
  - OEF (Multiple Sites)

- **Defining Upgrades and Retrofits for Enduring Fleet**
Army MRAP Sustainment Challenges

- Need DP147 Enduring Requirements to determine MTOE vs Training base vs APS vs Divestiture. Determined by G-3 & G8
- Availability of MRAPs for shipment back to the states and available capacity to ship
- Configuration baseline set by AR2B GOSC
- Full material release requirements and timeline to complete
- Facility requirements to store and maintain MRAPs at CONUS based installations
- CONUS training strategy and usage rates established by TRADOC
- Transition requirements from theatre provided equipment (TPE) to unit ownership
MRAPs Evolve
Questions?

That concludes my two-hour presentation. Any questions?

DID YOU INTEND THE PRESENTATION TO BE INCOMPREHENSIBLE, OR DO YOU HAVE SOME SORT OF RARE "POWER-POINT" DISABILITY?

ARE THERE ANY QUESTIONS ABOUT THE CONTENT?

THERE WAS CONTENT?

Questions (on the content)....?