



Survivable Vehicles for the Warfighters



# Mine Resistant Ambush Protected (MRAP) Vehicle Program Overview



Tactical Wheeled Conference  
February 2012





# MRAP Snapshot

- **DoD's Largest \$ Program in FY10**
  - Larger than the Missile Defense Agency
- **~27,740 Vehicles Procured in Less Than 3 Years**
  - Concurrent Production, Testing, and Fielding
- **~23,560 Vehicles Fielded to Warfighters in Theater**
- **Operational Readiness Remains >90%**
- **~\$47.3B Total Appropriated Through FY12**
  - OCO Supplemental Funding
- **23 LRIP Decisions and Counting**
- **90+ Contracts, 6 OEMs, >50 Variants**
- **MRAP Recovery Vehicle (MRV) Variant Developed for OEF**
  - All 250 produced 4 months after contract award
  - Fielding began 5 months after contract award
- **MRAP Ambulance Variants Developed for OEF**
  - Cougar CAT II Ambulance-USMC
  - MaxxPro Dash Ambulance-US Army
- **M-ATV Underbody Improvement Kit (UIK) Being Fielded in Theater**
  - Requirement is 8,011 M-ATVs with UIK
  - All 8,011 kits have been placed on contract
  - Ramping up to 750+ kits installed/month

# JPO Organization Structure



736 Personnel in CONUS doing the JPO's work



SYSCOM  
CSS Contract



TACOM  
CLS Contract



JLI  
Contract



Another ~3,200 FSRs under JPO OCONUS

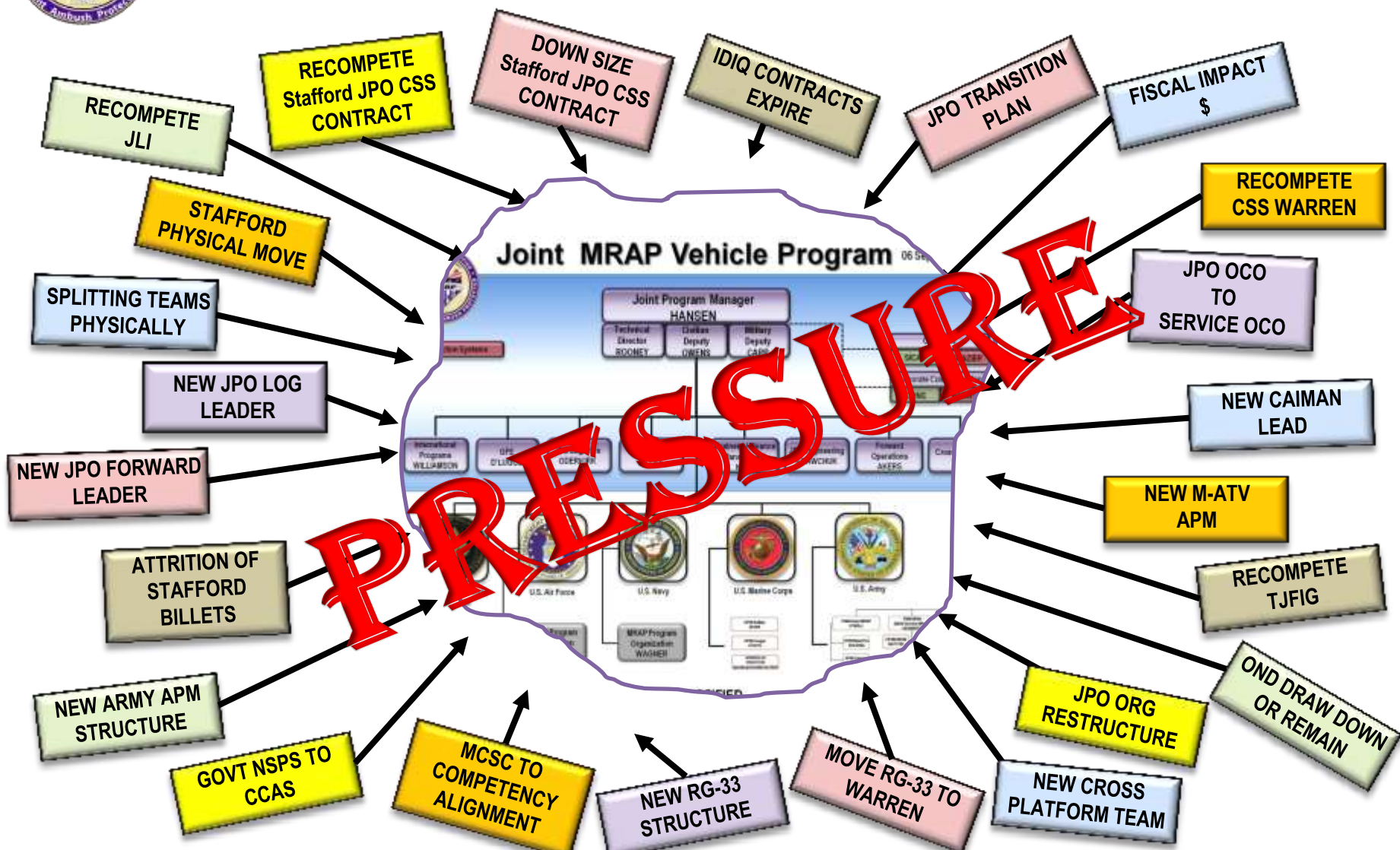


# The Joint Program Office Is:

- A Product Focused Organization
- Moving Towards a Service Focused Organization
- Geographically Located in Stafford, VA and Warren, MI
- Unlike any Other PMO
  - Owns and runs its SSA
  - Owns and runs its Maintenance Activity
  - Manager of its own Transfer Fund
  - Executes Contracts in Both Warren and Quantico
- Has its own Joint PEO
- Over 4,000 People who Report to the JPO & JPM



# Changes Affecting the Joint Program Office



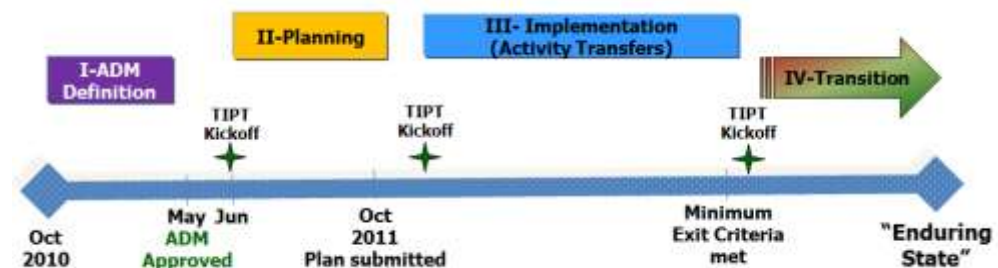
*High Levels of Personnel Concern & Churn*

People are worried about their jobs, who they report to, how they are rated and if they have a future in MRAP or outside MRAP



# MRAP Transition to the Services

- Transition ADM from Dr. Aston Carter, 12 May 2011
  - JPO will remain in place under USN to support OEF requirements
- Transition timeline depends on ADM exit criteria
  - USD (ATL) must approve TIPT plan
  - Services have adequate resources for sustainment and approved requirements
- Additional exit criteria established by TIPT
  - Services have program management structures in place
  - DoD determines OEF conditions are suitable for executing transition
  - Joint Staff validates MRAP as fielded capabilities as threshold requirements, test community certifies \*
- First opportunity for services to POM: FY14
- 1 Oct 2013 is the earliest feasible transition date
- Transition may occur later than 1 Oct 2013



\* Navy non-concurred wrt certification



# All the While...

- MRAP is as busy as it has ever been
- MRAPs Business is more complex than ever
- Our Support to Theater is Growing, not Shrinking
- We are still producing trucks!
- Spent over \$1.4B (all funding) in last 4 months
- Still doing Urgent Upgrades in OEF
- Expanding Facilities *and* Manning
- Being managed/scrutinized by OSD daily by ALL arms of AT&L
- The work on vehicles is increasing & more complex
  - Service Pressures
  - SRR, TC, FMR, ILAs
  - CPD Compliance
  - Upgrades/Mods/Reset

JPO Mid-Term Priorities, FY11 Qtr 4

Pr.	Title	Description	Lead
1	MATV w/ I&E	Field I&E on OEF, including RFP quantities of 177 A&D new vehicles. Enhance the install capability and support the replacement of armor plate with new scope, 360S tires, upgraded seats, polymer fuses, and the rocks in maintenance.	MATV
2	Facilities	Increase battle damage repair throughput, Acquire additional facilities (APG-0, HROC, Caravan) to support repair, maintenance and installations, Enhance UKR installation capability and support the installs.	Logistics
3	MaxPro Winch/Towing Systems	Field MaxPro/Winch	Logistics
4	Colman Plus EFP	Resolve SWNKS II issue refer issues.	MATV
5	Upgrade MP Dash Ambulance	Enhance EFP production of 1,148 Colman Plus vehicles.	Colman
6	MATV HROC Protection	Production/Install/Field/Platform Support for 200 MaxPro Dash Ambulances	MaxPro
7	Program Transition Plan	Field HROC Modifications and repair kit.	MATV
8	Cougar/Status to USMC	Develop a comprehensive APO plan that prepares the MRAP vehicle fleet and infrastructure for eventual transition to a Service-led program.	JPM
9	Cougar Door Upgrade and Egress (UKG)	Key loan return includes reinstallation 240 Army returns to the USMC to be completed by 31 Dec. Effort includes ISS (if required) and Block Mod Upgrade (See Survivability Upgrade, T-Care required, APES, Hit Response, Instrumenter), Spall Liner (if required) and necessary TH.	Cougar
10	Cougar-Status to USMC	Initial testing and FUE of Egress UKG applicable to all Cougar variants to include: Door egress assist, external escape assist D-rings and first responder locks to front and rear doors. Initial testing and FUE of Egress UKG applicable to all Cougar variants to include emergency egress lighting, exhaust issues, modifications to rear step, roof hatch and steering wheel, and vehicle emergency engine windows.	Cougar
11	Contracts	Award DMO replacement contracts for all variants that expire in Jan 10.	AFM/Contracts
12	MP Dash ISS	Install 1,222 ISS kits on existing MaxPro Dash POVs	MaxPro
13	MaxPro Dash w/ ISS	LRP-21-471 Dash's with ISS. Production/Install/Field/Platform Support	MaxPro
14	Cougar Survivability Upgrade	Completion of installation of Spall Liners on identified vehicles. Applicable to M1 and A2 variants (series DO-8 - DO-18 and on). Procurement of EFP panels to replace those damaged during blast events and maintenance. Completion of installation of Seat Standalone A2 variants (DO-10 and on).	Cougar
15	C-MTV Integration	Integrate HROC-MTV chassis in theater to provide active threat and provide protected vehicles with upgraded Colman Plus M1248 configurations. Begin integration of 1106 C-MTV chassis CONUS to upgrade the remainder of the Colman Plus fleet to the M1248 configuration.	Colman
16	Personnel & Human Capital	Training and certification, mentorship, career enhancing and developmental assignment, recognition.	JPM
17	RG-31A2 Upgrade (Phase I & II)	Vehicles will be brought back to MSG and returned to OEF with pure fleet RCPs, also Utility Centers currently in OEF will be upgraded. Upgrade of M1 D03 and D04 RG-31A2 vehicles in Phase I and upgrade remaining -012 D03 and D04 RG-31A2 vehicles in Phase II.	RG-31
18	RAF/RAF ISS Fac conversion to Universal Ballistic Scoring Criteria	Secure the RAF DAF and RAF ISS conversion facilities for universal work in support of JPO. Current scope of effort at Kandahar facility includes RG-33 ISS installation and MRAP repair upgrades, current PSP expires in September 2011.	RG-33
19	C-MTV w/ Colman Base	Work with AEC to develop consistent ballistic score criteria in order to allow for more reliable interpretation of crew incapacitation level results.	ICE
20	Cougar Turn-key	Obtain funding for procurement and integration of C-MTV chassis onto the Colman Base vehicle.	Colman
21	Cougar Block 2 Mods	Provide "Turn-key" 2nd level repair capability on Cougar ISS systems in theater.	Cougar
22	Cougar Brake Upgrade	Initial testing and FUE of Block Mod 2 to include: STD-Amp alternate, 18 IN wheel (A2 variants), DRSA and fuel tank upgrade (A1 variants).	Cougar
23	Enterprise Integration Strategy (EIS)	Completion of testing, approval of ECP and FUE of Brake Upgrade.	Cougar
24	Establish Baseline	Integration of individual processes within the JPO.	Engineering
25	Acoustic Reduction Device	Deliver/Establish the Production and/or "Maintenance" baselines. This will include all field efforts and identifying "sub-variants" for each vehicle.	Config/Mgmt
26	APES	Addition of noise reduction device.	MATV
27	Ins-CMR	Continue testing and fielding of a suitable APES starting with S0008 and migrating to other RG-33s still in the combat theater.	RG-33
28	JPO-CSS Support	Obtain CMR for test theater for Colman Plus M1248 configuration vehicle.	Colman
29	Support for CRSP	Ensure continuity of Contractor Services Support for the JPO (Stafford).	Acq
30		Continued support of CRSP case, vehicles and POG as well as potential for future vehicle CRSP case and appropriate FDS.	JP

Top 30 priorities...there are many more

**Workload & Urgency has not Subsided and has increased in Complexity!**







# JMVP PMO

As-Is

To-Be



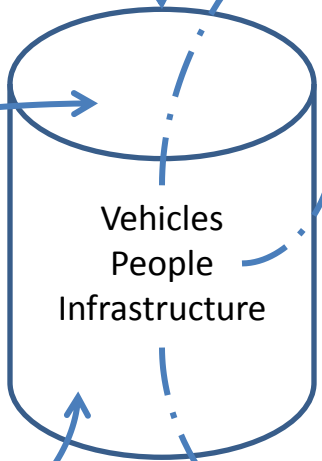
Afghanistan



US Based Mgmt of Theater Ops



Kuwait



Retain  
Transfer to ANF  
FMS  
Dispose

Retain  
JPO  
Move  
Let Go

Facilities:  
• Transfer  
• Demil  
Equipment:  
• Transfer  
• Return  
• Demil/Dispose/Sell

Service Program Offices

Vehicles:  
• Active  
• Reserve  
• Training  
• Prepositioned



People:  
• Active  
• Civil Servant  
• Contractor

Infrastructure:  
• Facilities  
• New  
• Repurpose  
• Equipment



# JMVP PMO Organizational/Workforce Transition MGT



Afghanistan



CONUS



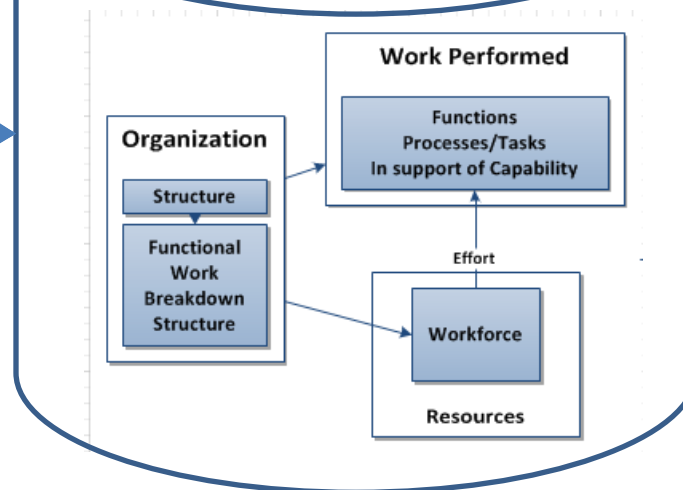
Kuwait



As-Is



Map Current JMVP Workforce and Workload



To-Be

Service MRAP Program Offices

Other Agency MRAP Support

Non-MRAP Government Positions

Release

Capture current functional alignments, LOE drivers, skill requirements, etc. to support phased workforce transition planning and management as workload shifts



# Program Management and Enablement

Vision, Policy and Resources						
Activity	JMVPO	USA	USMC	USN	USAF	SOF
Enterprise Vision & Planning	✓	✓	✓	✓	✓	✓
Enterprise Budget Planning	✓	✓	✓	✓	✓	✓
Human Capital and Workforce Planning	✓	✓	✓	✓	✓	✓
Public Affairs Monitoring	✓	✓	✓	✓	✓	✓
Facilities and Infrastructure Management	✓	U	U	U	U	U
Stakeholder Relations	✓	✓	✓	✓	✓	✓



# Program Management and Enablement



Business and Financial Management						
Activity	JMVPO	USA	USMC	USN	USAF	SOF
Budget and Financial Actions	✓	✓	✓	✓	✓	✓



# Program Management and Enablement



Acquisition and Contracts						
Activity	JMVPO	USA	USMC	USN	USAF	SOF
Acquisition Strategy and Planning	✓	U	U	U	U	U
International Case Management	✓	U	U	U	U	U
Acquisition Performance Monitoring	✓	U	U	U	U	U
Program Performance Monitoring	✓	U	U	U	U	U



# Product Management and Support

Product Management						
Activity	JMVPO	USA	USMC	USN	USAF	SOF
MRAP Lifecycle Planning	✓	U	U	U	U	U
Manage Configuration of Vehicles	✓	✓	✓	✓	✓	✓
Plan and Execute Theater Retrograde	✓	✓	✓	✓	✓	✓
Plan and Execute Service Distribution Plan	N/A	✓	✓	✓	✓	✓
Plan and Execute Disposal	✓	U	U	U	U	U



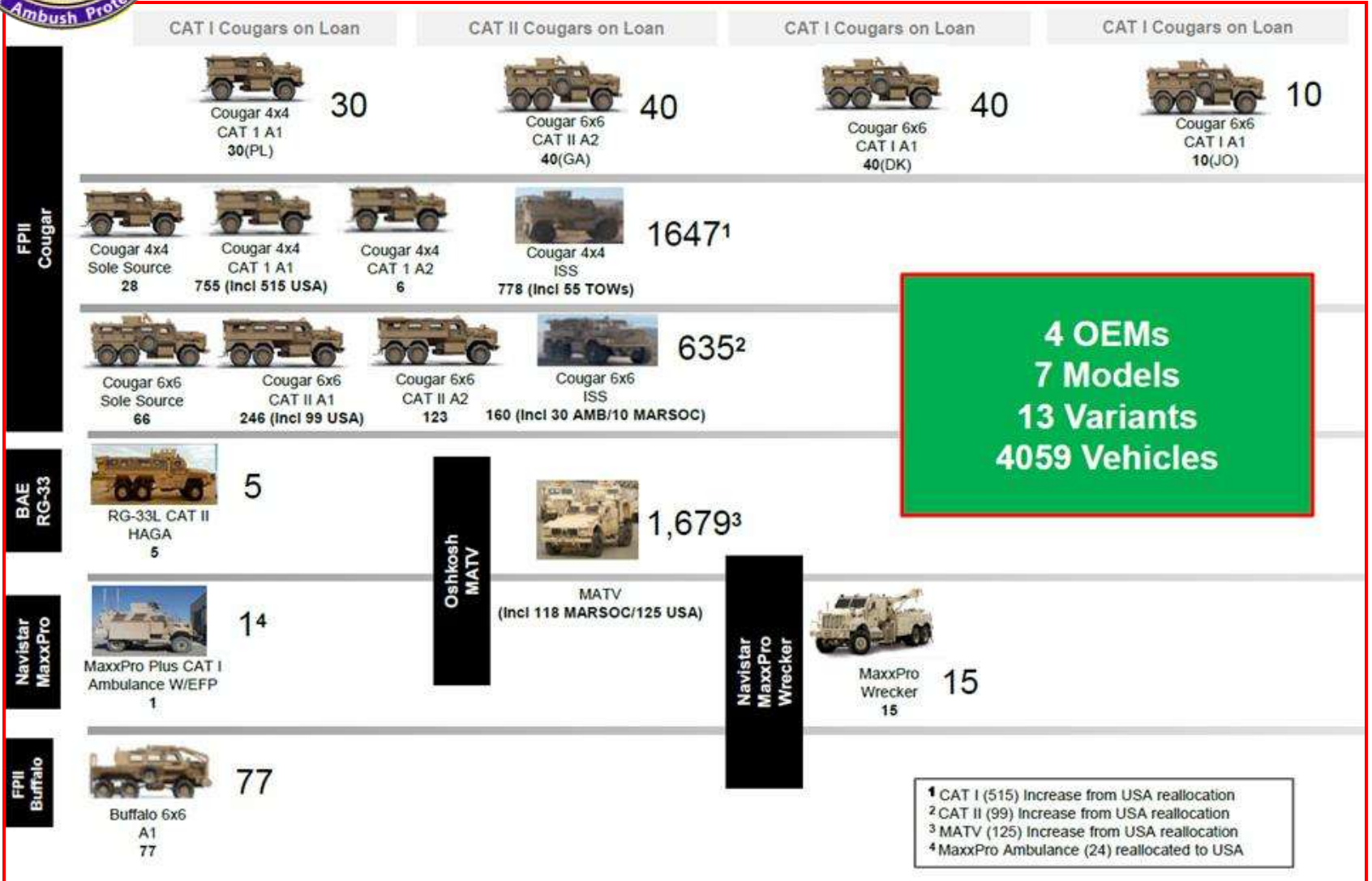
## Product Management and Support

Logistics and Forward Support						
Activity	JMVPO	USA	USMC	USN	USAF	SOF
Develop in-Theater Sustainment Plan	✓	U	U	U	U	U
Plan for Home & Mobile Training for the Services	✓	U	U	U	U	U



# USMC MRAP Family Tree

(Production through LRIP 21)



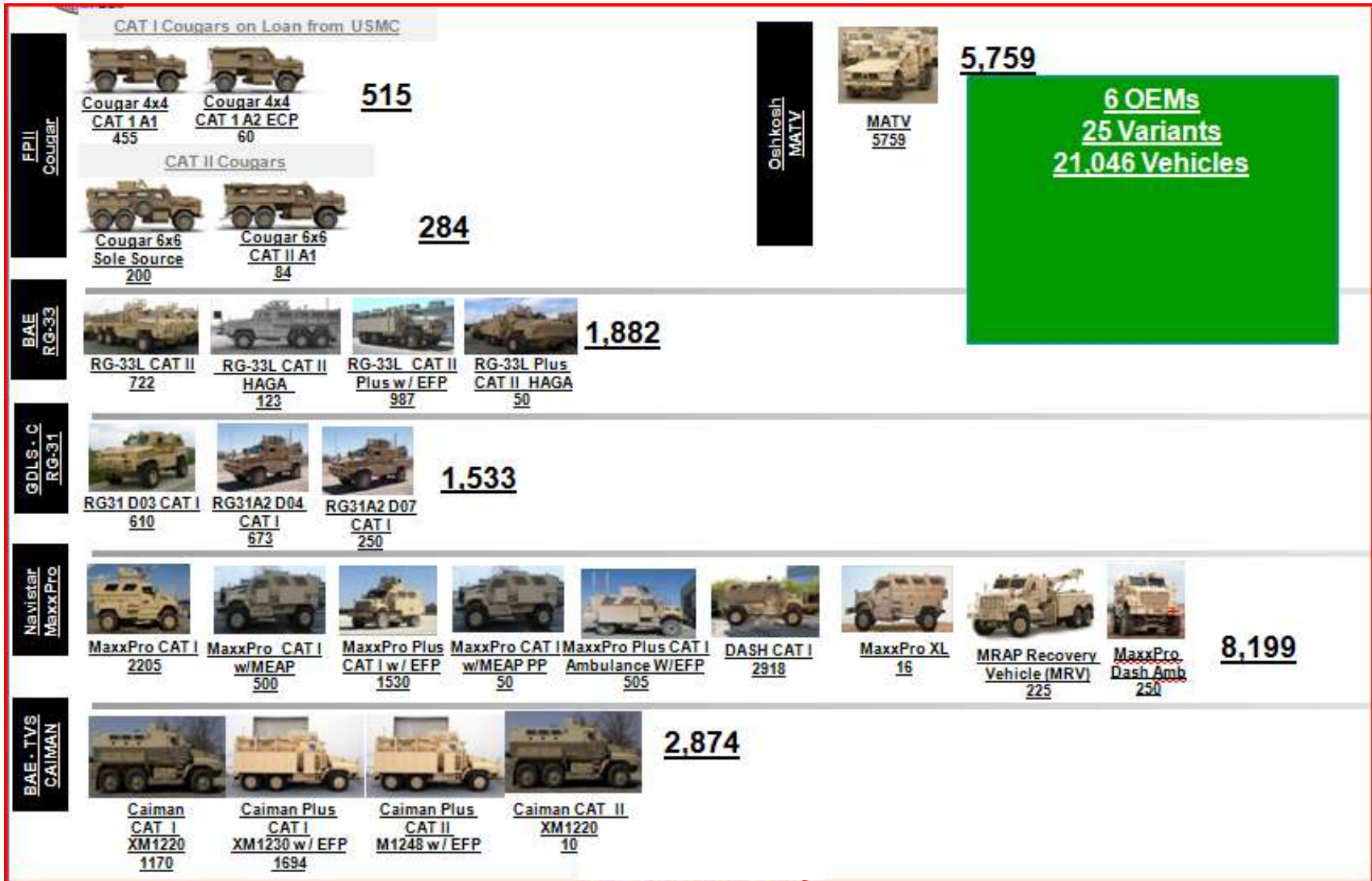
<sup>1</sup> CAT I (515) Increase from USA reallocation  
<sup>2</sup> CAT II (99) Increase from USA reallocation  
<sup>3</sup> MATV (125) Increase from USA reallocation  
<sup>4</sup> MaxxPro Ambulance (24) reallocated to USA





# Army MRAP Family Tree

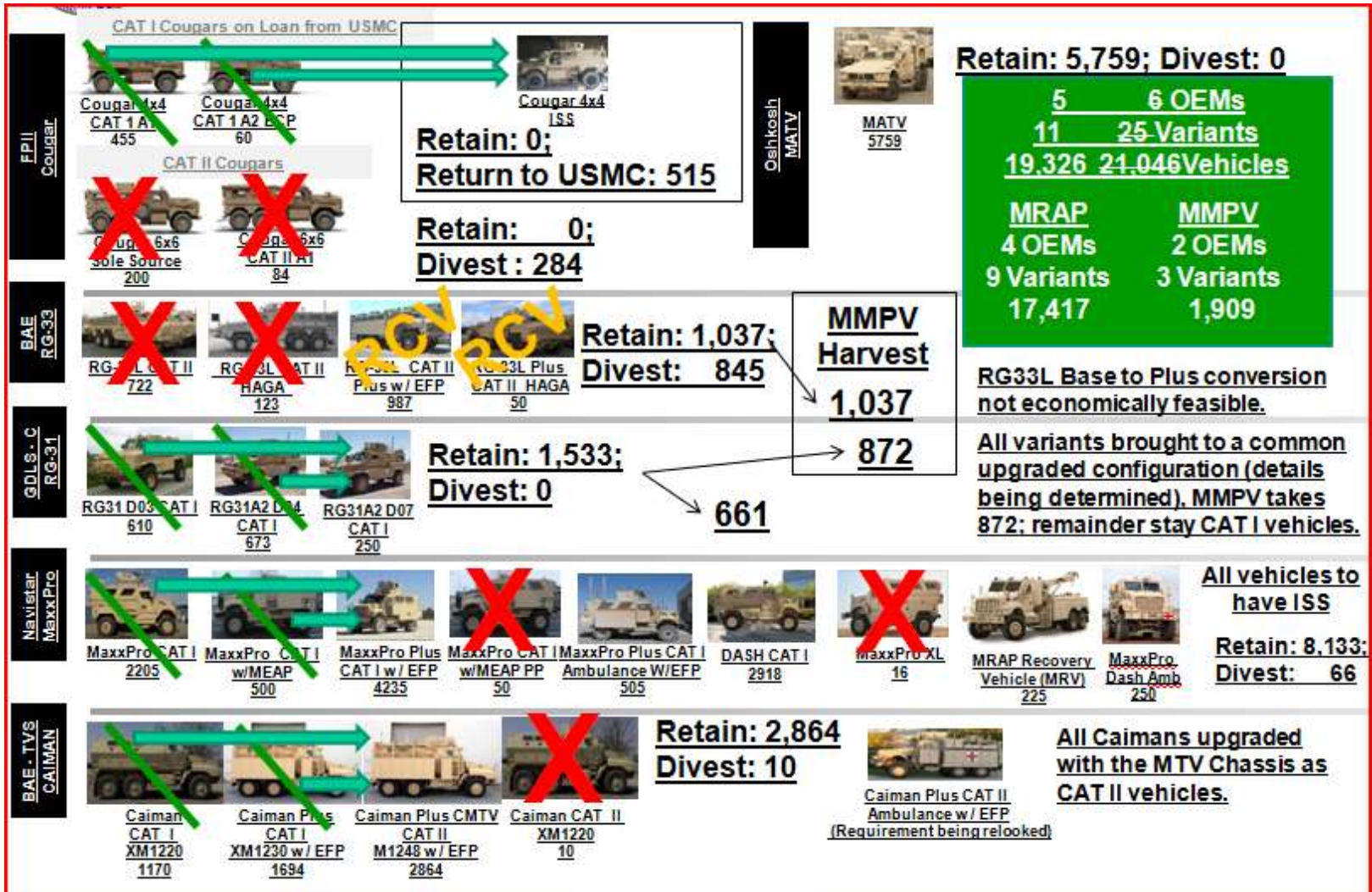
(Production through LRIP 21)





# Future Army MRAP Family Tree

(production through LRIP 21)





# Future Army MRAP Family Tree

(production through LRIP 21)

**4 OEMs**  
**9 Variants**  
**17,417 Vehicles**

**Oshkosh**  
**MATV**



**MATV**  
**5921**

**5,759**

**GDLS - C**  
**RG-31**



**RG31A2 D07**  
**CAT I**  
**661**

**661**

**Navistar**  
**MaxxPro**



**MaxxPro Plus**  
**CAT I w/ EFP**  
**4235**



**MaxxPro Plus CAT I**  
**Ambulance W/ EFP**  
**505**



**DASH CAT I**  
**2918**



**MRAP Recovery**  
**Vehicle (MRV)**  
**225**



**MaxxPro**  
**Dash Amb**  
**230**

**8,133**

**BAE - TVS**  
**CAIMAN**



**Caiman Plus CMTV**  
**CAT II**  
**M1248 w/ EFP**  
**2262**



**Caiman Plus CMTV CAT II**  
**Ambulance w/ EFP**  
**(Requirement being relooked)**  
**602**

**2,864**

