



USMC Ground Mobility

Information Brief to The 2007 Tactical Wheeled Vehicles Conference 5 February 2007



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Purpose

- Information brief on:
 - Overview of Strategic Planning Guidance (SPG) and USMC response.
 - Expeditionary Fighting Vehicle (EFV)/Joint Forcible Entry Operations (JFEO) requirements and risk.
 - Near term strategy for Mine Resistant Ambush Protected (MRAP) Vehicles.
 - Long term requirements development for USMC Ground Mobility.
 - Joint Light Tactical Vehicle (JLTV)
 - Marine Personnel Carrier (MPC)



OSD Ground Mobility Guidance

- **Task from Strategic Planning Guidance:**
 - **P. 10: “(U) The Marine Corps will consider capability alternatives for review by the DAWG to support a single two MEB forcible entry operation. Additionally, the Marine Corps will propose an appropriate mix of ground combat vehicles to support irregular warfare operations. (Suspense: May 1, 2006.)”**

***Overarching Defense Strategy:
“Shift from conventional to irregular capability.”***



Strategic Transformation & Implementation

- **Where we were: A general purpose force organized, trained and equipped principally for traditional threats.**
 - Approached irregular challenges as a subset of MCO.
 - Recent experience has highlighted the need for resources focused on irregular warfare.
 - QDR and SPG have directed a shift to irregular.
- **Where we are going: A general purpose force organized, trained and equipped for irregular and traditional threats.**
 - Risk: Accepting risk in strategic agility, while enhancing tactical capability.
 - Divestment: Divesting resources from EFV program.
 - Reinvestment: Reinvesting in mobility for irregular operations.



SPG Adjusted Ground Tactical Mobility



Marine Corps Program of Record

- Supports OMFTS & Forcible Entry
- 1013 EFVs
- 11 1/3 Inf Bns Lift



SPG Adjusted 2 x MEB Forcible Entry + Appropriate Mix to Support IW

2 x MEB FE

- Supports JFEO/MCO
- 573 EFVs by 2020
- 8 1/3 Inf Bns Lift



MCO

- Supports MCO/IW
- 600 MPCs by 2018
- 3 Inf Bns Lift
- or*
- 6 Inf Bns Lift (MPC + JLTV)



GWOT

- Supports IW
- CTV/JLTV Family 825 by 2015 1375 by 2020
- Augments 16 Inf Bns . . . *and*
- 3 Inf Bns Lift (JLTV) . . . *or*
- 6 Inf Bns Lift (MPC + JLTV)

Current
3 x Amphib MEB
3 x MPF MEB

Accepting Risk
2 x Amphib MEB
1 x MPF MEB

Tactical Flexibility
MPC Co's
CTV/JLTV

Optimized for IW
JLTV Augmentation
MPC Surge Capacity

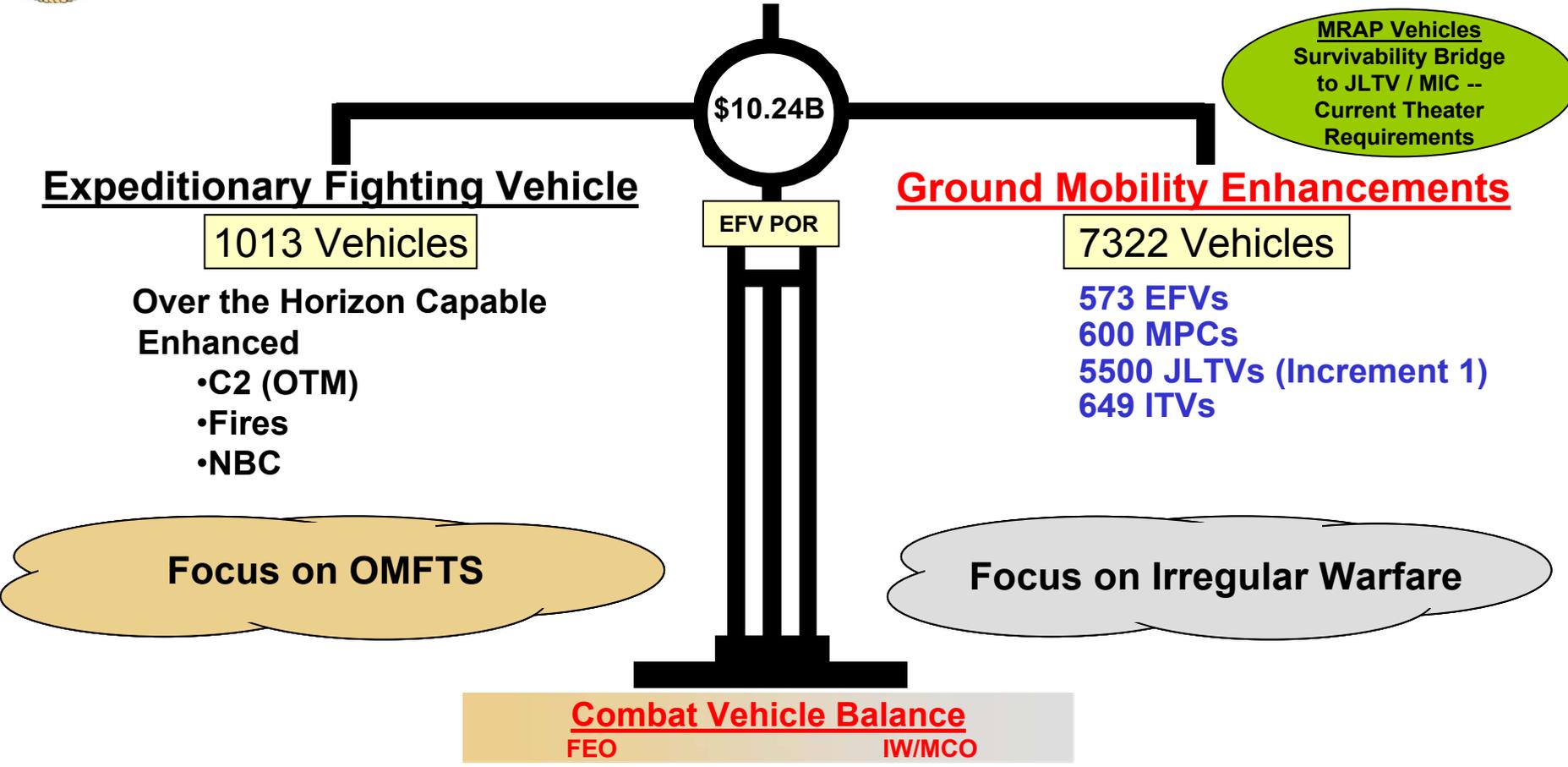
2006 POR
11 1/3 Bns Lift

2015 Goal
14 1/3 Bns Lift

2020 Goal
21 Bns Lift



Balancing Ground Tactical Mobility



- Shift to Irregular
- Enable Distributed Operations
- Increase Ground Tactical Mobility for GCE
- Increase Joint/Coalition Interoperability
- Enhance Force Protection

Ground Mobility Initiative -- Transforming the Force

Internally Transportable Vehicle (ITV)

UNCLASSIFIED



Program Description

- The ITV will provide a deployed MAGTF with a ground vehicle that is internally transportable in the MV-22 tilt-rotor aircraft, CH-53, and MH-47 aircraft.

- The vehicle will serve primarily as a high mobility weapons-capable platform to support a variety of operations and provide enhanced mobility for Irregular Warfare.

- Supports DO Concept of Operations.

- Unit Cost \$120,000 as produced by GDLS.

Program Status

- Acquisition Objective = 649

- IOC: 2007

- FOC: 2011



Joint Light Tactical Vehicle (JLTV)



Program Status

- Acquisition Objective = 5,500 (Increment 1)
- IOC: 2012
- FOC: 2018 (Estimated)

Program Description

- HMMWV replacement vehicle (over time).
- Developing Gov owned Technical Data Package for the Combat Tactical Vehicle requirements set.
- JLTV Family of Vehicles with multiple Mission Role Variants (MRV) and trailers (Combat, Combat Support, Combat Service Support).
 - Supports USMC Ground Mobility Initiative and USMC response to Strategic Planning Guidance shift to Irregular Warfare.
 - Increased survivability, mobility, and sustainability in a networked environment.
 - JLTV MOA with U.S. Army transitioning to Joint Program Office.



Marine Personnel Carrier (MPC)



Program Description

- The MPC is envisioned to provide General Support lift to USMC Infantry and Light Armor Battalions.
- Supports USMC Ground Mobility Initiative and USMC response to Strategic Planning Guidance shift to Irregular Warfare.
- Requirement will be fully defined through FY07 analytical effort via AoA and CDD.
- Will consider Gen II LAV(P), Stryker / Gen III and other COTS solutions.
- Striving for an expeditionary platform that balances the protection, payload, and performance attributes.

Program Status

- Acquisition Objective = 600
- IOC: 2012 (Estimated)
- FOC: 2016 (Estimated)

Mine Resistant Ambush Protected (MRAP) Vehicles



MRAP CAT I



MRAP CAT II



MRAP CAT III



Program Status

- Acquisition Objective = 3,594
- MROC validated requirement for 1,022 MRAP vehicles.
- Rqmt growth from 1,022 to 3,594 includes OIF UAH & MAK HMMWV replacement and supporting establishment allowance.

Program Description

- Current Theater requirement.
- V-shaped hull, higher ground clearance and a robust armor package yield a significant increase in force protection over the current tactical wheeled vehicle fleet.
- 3 Categories in the Family of MRAP vehicles:
 - **CAT I:** Mine Resistant Utility Vehicle (MRUV), urban operations, 6 PAX
 - **CAT II:** Joint EOD Rapid Response Vehicle (JERRV)/Cougar, multi mission (convoy escort, transport, ambulatory, EOD, Combat Engineer), 10 PAX
 - **CAT III:** Buffalo, mine/IED clearance operations, 6+ PAX
- 65 CAT II and 4 CAT III USMC MRAP in Theater.



Summary

- 43% reduction in EFV Acquisition Objective provides:
 - Forcible Entry (2 x MEB)
 - Irregular Warfare & MCO Capability Sets
- JLTV and MPC initiatives are the appropriate combat vehicles to support IW, MCO and JFEO.
- EFV program resource reinvestment to support JLTV and MPC is required to achieve SPG.
- MRAP vehicles provide survivability bridge to JLTV & MPC and meet current theater requirements.



Questions