USMC Ground Mobility

Information Brief to The 2007 Tactical Wheeled Vehicles Conference
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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)
• 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

Traditional

Marine Corps Program of Record

- Supports OMFTS & Forcible Entry
- 1013 EFVs
- 11⅓ Inf Bns Lift

Irregular

SPG Adjusted

2 x MEB Forcible Entry + Appropriate Mix to Support IW

<table>
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<tr>
<th>2 x MEB FE</th>
<th>MCO</th>
<th>GWOT</th>
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<tr>
<td>• Supports JFEO/MCO</td>
<td>• Supports MCO/IW</td>
<td>• Supports IW</td>
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<tr>
<td>• 573 EFVs by 2020</td>
<td>• 600 MPCs by 2018</td>
<td>• CTV/JLTV Family</td>
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<td>• 8½ Inf Bns Lift</td>
<td>• 3 Inf Bns Lift</td>
<td>825 by 2015</td>
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<tr>
<td>or</td>
<td>or</td>
<td>1375 by 2020</td>
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<td>• 6 Inf Bns Lift (MPC + JLTV)</td>
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<td>• Augments 16 Inf Bns . . . and</td>
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<td>• 3 Inf Bns Lift (JLTV) . . . or</td>
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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
11⅓ Bns Lift

2015 Goal
14⅓ 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

**Expeditionary Fighting Vehicle**
- 1013 Vehicles
- Over the Horizon Capable Enhanced
  - C2 (OTM)
  - Fires
  - NBC

**Ground Mobility Enhancements**
- 7322 Vehicles
  - 573 EFVs
  - 600 MPCs
  - 5500 JLTVs (Increment 1)
  - 649 ITVs

**Focus on OMFTS**

**Focus on Irregular Warfare**

**Combat Vehicle Balance**
- FEO
- IW/MCO

**MRAP Vehicles**
Survivability Bridge to JLTV / MIC -- Current Theater Requirements

**Ground Mobility Initiative -- Transforming the Force**
Internally Transportable Vehicle (ITV)

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.

Program Status

• Acquisition Objective = 649

• IOC: 2007
• FOC: 2011

• Supports DO Concept of Operations.

• Unit Cost $120,000 as produced by GDLS.
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 sustainablity 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

**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.

**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.
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