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MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR) AND LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR) PROGRAMS

**“TWV Modernization: Balancing Sustainment and
Transformation Priorities”**

Presentation to:
National Defense Industrial Association
2011 Tactical Wheeled Vehicle Conference

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7 February 2011



Medium Tactical Vehicle Replacement (MTVR)

“The Workhorse of the Marine Corps”



- The MTVR replaced the aging M809/M939 series 5-ton trucks with state-of-the-art commercial automotive technology beginning in 2001. The MTVR cargo truck has a 7.1-ton off road and 15-ton on road payload, and a 22-year service life. MTVR variants include the Dump, Wrecker, Tractor and HIMARS Re-Supply Vehicle. Features: On-Board diagnostics; independent “TAK-4” suspension; automatic traction control. Quantities Procured: USMC - 9,221; Navy - 1,855
- The MTVR Armor System (MAS) provides complete 360-degree protection as well as overhead and underbody protection for the crew compartment. The MAS is a permanent modification to the vehicle and includes an upgraded front suspension and cab rebuild. The kit includes a removable personnel carrier (with ballistic glass), air conditioning system, and machine gun mount. All vehicles in theater include MAS armor. Quantities Procured: USMC – 4,950; Navy - 448



Logistics Vehicle System Replacement (LVSR) The USMC's Heavy Tactical Vehicle



- The Logistics Vehicle System Replacement (LVSR) is replacing the current Marine Corps heavy-tactical wheeled vehicle, the Logistics Vehicle System (LVS). As the Marine Corps' heavy-tactical distribution system, the LVSR Cargo variant will transport bulk liquids (fuel and water); ammunition; standardized containers; bulk, break-bulk, palletized cargo, and bridging equipment. The LVSR Cargo variant has a payload capacity of 22.5 tons on road and 16.5 tons off-road. The LVSR Wrecker variant will perform heavy wrecker/recovery missions, while the LVSR Tractor variant will tow heavy engineer equipment and combat vehicles with the M870A2 40 ton Medium Heavy Equipment Trailer (MHET). Features: "TAK-4" Independent Suspension; Mechanical Rear Steer technology; "Command Zone" On-Board Diagnostics; single source lubrication system. Quantities Procured (AAO = 2,000): 1,345 Cargo; 40 Tractor; 59 Wrecker.
- The LVSR Add-On armor "B-kit" provides complete 360-degree protection as well as overhead and underbody protection for the crew compartment. Quantities Procured (AAO = 800): 603



“Modernization: Balancing Sustainment and Transformation Priorities”



- **Challenge – Life cycle management to maximize fleet capability and reduce total ownership costs; while continuing to support in-theater requirements**
 - **In-Theater**
 - Early fielding of LVSR Wrecker
 - Cab automatic fire suppression systems
 - Emergency egress
 - Improved Blast Seats
 - **Life Cycle Management/Cost Reduction**
 - MTRV and LVSR “Reset/Reconstitution”
 - Total Ownership Cost Reduction Program
 - Performance Based Logistics
 - **Future Technology Insertion**
 - Fuel Efficient MTRV program (with ONR and TARDEC)
 - Modular Vehicle Program (MVP)
 - On-board Vehicle Power (OBVP)
 - Common display/streamlined “Vetronics”





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Enterprise Initiatives Business and Operational Imperatives



- ***Marine Corps Initiatives***
 - “Lighten the MAGTF” (Weight and cube reductions)
 - Improved Energy Efficiency (Vehicle “ExFOB”)
- ***OSD AT&L/ASN RD&A Initiatives***
 - Target affordability and Control Cost Growth (“Make every dollar count”)
 - Incentivize Productivity & Innovation in Industry
 - Promote Real Competition
 - Improve Tradecraft in Services Acquisition
 - Reduce Non-Productive Processes and Bureaucracy
- ***In summary, help us help the Warfighters – we need your ideas, creativity, and expertise to succeed***