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

“TWV Modernization: Balancing Sustainment and Transformation Priorities”

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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
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
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- 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**
    - MTVR and LVSR “Reset/Reconstitution”
    - Total Ownership Cost Reduction Program
    - Performance Based Logistics
  - **Future Technology Insertion**
    - Fuel Efficient MTVR program (with ONR and TARDEC)
    - Modular Vehicle Program (MVP)
    - On-board Vehicle Power (OBVP)
    - Common display/streamlined “Vetronics”
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*