



LCES Overview - TWV Conference

Colonel John T. Gutierrez

March 2022



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

Introduction

\$1.02B annual appropriation (\$4.98B FYDP FY23-27)



Located in 10 States + Japan



456 Marines, Sailors, Civilians & Contractors



Vision: Accelerate innovation and delivery of operationally relevant solutions to enable lethality to the Fleet Marine Force

ACAT	Pre-MDD	Post-MDD	EMD	P&D	O&S	Total
I	0	0	0	1	0	1
II	0	0	0	0	0	0
III	0	0	0	1	3	4
IV	0	0	0	4	0	4
AAPs + Others/Non-POR*	59	4	8	47	153	271
Total	59	4	8	53	156	280



PMM-150



PMM-151



PMM-152



PMM-153



PMM-154

Mission: PFM-Logistics Combat Element Systems equips and sustains the Fleet Marine Force with Engineering, Supply, Maintenance, Ammunition, and Tactical Wheeled Vehicle systems and solutions to enable lethality.



LCES Areas of Expertise

 Power Systems

 Fuel & Water Systems

 Explosive Hazard Defeat Systems

 Material Handling & Construction Equip

 Expeditionary Medical Systems

 Shelters, Field Feeding, and Containers

 Test Measurement Systems

 Tools & Diagnostic Systems

 Corrosion Prevention & Control

 Advanced Manufacturing Systems

 Ground Ammunition

 Explosive Safety

 Tactical Wheeled Vehicles

**FY22
FOCUS
AREAS**

PFM

- ▶ Force Design
- ▶ Engagement, Divestment, Investment & Innovation
- ▶ Logistics in Contested Environments

PM-Engineering Systems

- ▶ Littoral Explosive Ordnance Neutralization System
- ▶ Expeditionary Fuel Distribution & Storage Capability
- ▶ Harvest, Distribute, and Manage Alternative Energy Systems

PM-Supply & Maintenance Systems

- ▶ Additive Manufacturing (XFAB/TACFAB)
- ▶ Medical Equipment Modernization
- ▶ Condition Based Maintenance Plus (CBM+)

PM-Ammo

- ▶ Lightweight IPT & .50 Cal Polymer Lightweight Ammo
- ▶ Modernize Automated Ammunition Information System (AAIS)
- ▶ Support to Organic Precision Fires

PM-Light Tactical Vehicle

- ▶ Joint Light Tactical Vehicle
- ▶ Ultra-Light Tactical Vehicle / Utility Task Vehicle
- ▶ Sustainment of legacy HMMWV, LTV/T and Ancillary Equipment

PM-Medium & Heavy Tactical Vehicles

- ▶ Modernize Medium & Heavy Vehicles and Trailers
- ▶ Field and Distribute HIMARS RSV/RST and M870
- ▶ LVSR Cab Level II/III Repair/Replace and Corrective Maintenance



Light Tactical Vehicles

\$(M)	FY21	FY22	FY23
LTV	383.8	350.0	402.2

Appropriation Breakout

\$(M)	FY21	FY22	FY23
RDT&E	5.4	2.8	3.8
PMC	369.8	340.9	390.2
PANMC	0.0	0.0	0.0
OMMC	8.5	6.3	8.2

\$(M)	FY21	FY22	FY23
MHTV	41.3	25.4	20.1

Medium Heavy Tactical Vehicles

Appropriation Breakout

\$(M)	FY21	FY22	FY23
RDTEN	1.1	1.1	1.1
PMC	29.4	19.9	13.5
PANMC	0.0	0.0	0.0
OMMC	10.8	4.3	5.4

\$2.453B projected for the FYDP to support Tactical Wheeled Vehicle programs. Expect funding fluctuations across the FYDP.



FY22 Focus Areas:

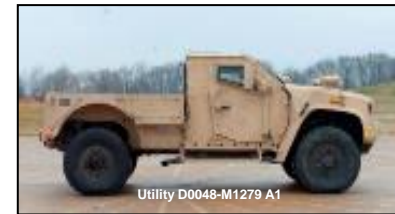
- HMMWV and LTT sustainment and divestment
- UTV OPNET and FLMNET execution (CLS)
- UTV maintenance support (CLS)
- UTV supply chain management (CLS)
- JLTV Vehicle and Trailer Fielding
- JLTV systems integration development
- ULTV Fielding
- ULTV systems integration development
- ULTV OPNET and FLMNET execution (ICS)
- ULTV supply chain management (ICS)

Challenges:

- Fluctuating funding
- Swiftly responding to Force Design changes
- Sustainment of legacy light tactical vehicles past economic useful life spans

Opportunities:

- Corrosion prevention and mitigation on COTS end items
- Vehicle tarps/covers
- Electrification/Hybrid/Mild-hybrid across the LTV fleet
- Lighter and more capable scalable armor systems
- Engine / Equipment / POL efficiencies





3 Teams Pressing Forward:

- 154.1 Family of Trailers and Ancillary Equipment (FT&AE), Mine Resistant Ambush Protected (MRAP) Buffalo Mine Clearance Vehicle & MRAP Cougar
- 154.3 Logistics Vehicle System Replacement (LVSR) & P-19R Aircraft Rescue and Fire Fighting (ARFF) Vehicle
- 154.4 Medium Tactical Vehicle Replacement (MTVR) & MRAP-All Terrain Vehicle (M-ATV)

FY22 Focus Areas:

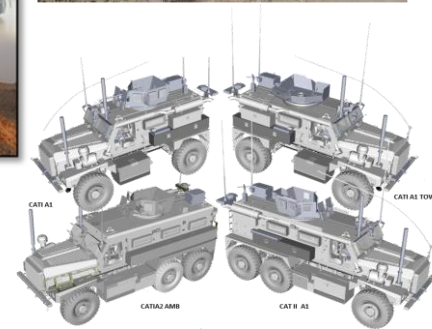
- MTVR Resupply Vehicle (RSV) Conversions
- LVSR Transfer Case Temperature Sensor
- P-19R Hand Line Hose Replacement
- MTVR/LVSR Electronic Stability Control (ESC)

Opportunities:

- Divestment
- Requirements exploration for the next Medium Tactical Vehicle
- Release of Sources Sought and Requests for Information (RFIs)

Challenges:

- Responding to Force Design, divestment, and future requirements
- Funding shortfalls
- Commercial parts obsolescence for equipment with legacy requirements resulting in deadlined vehicles
- Supply chain constraints





5 Teams pressing forward:

- 151.1 Expeditionary Medical Systems (EMS)
- 151.2 Shelters/Combat Field Feeding/Containers (S/CFF/C)
- 151.3 General Purpose Tools & Test Systems (GPTTS-C)
- 151.4 Automatic Test Systems (ATS)
- 151.5 Corrosion Prevention and Control (CPAC)

FY22 Focus Areas:

- Conditioned Based Maintenance (CBM+)
- Wireless At-Platform Test Set (WATS) for use with Electronic Maintenance Support System (EMSS)
- Expeditionary Fluid Analysis System (CBM+ enabler)
- Enhanced Corrosion Service Teams (increased corrosion repair)
- Expeditionary Fire Suppression System Bottle Refill Station

Opportunities:

- Artificial Intelligence in Automatic Test Systems
- Augmented Reality in conjunction with EMSS
- CBM+ initiatives (data standards, data capture, data federation)

Challenges:

- Building cybersecurity into legacy and emerging systems
- Corrosion Prevention and Control program funding reductions





- Organizational Mailbox
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- Portfolio Manager for Logistics Combat Element Systems
 - Col John T. Gutierrez; email: john.t.gutierrez@usmc.mil
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<https://www.marcorsyscom.marines.mil/Portfolios-and-Programs/LCES/>




- Event Dates: May 10-12, 2022
- Location: Walter E. Washington Convention Center in downtown Washington DC



[HTTPS://MARINEMILITARYEXPOS.COM/](https://marinemilitaryexpos.com/)

**Marine Corps Systems Command
Advanced Planning Brief to Industry (APBI)
May 9, 2022**



“As good as we are today, we will need to be even better tomorrow to maintain our warfighting overmatch. We will achieve this through the strength of our innovation, ingenuity, and willingness to continually adapt to and initiate changes...”

QUESTIONS?

- Gen David H. Berger
Commandant of the Marine Corps
Commandant's Planning Guidance, 2019