



# MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



## PFM LCES MDM/APBI Brief

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# Portfolio Manager LCES Introduction



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



PMM-150



PMM-151



PMM-152



PMM-153



PMM-154

**Mission:** Portfolio Manager Logistics Combat Element Systems (LCES) expeditiously equips and sustains the Fleet Marine Force with Engineering, Supply, Maintenance, Ammunition, and Motor Transportation systems and solutions to enable success across the full spectrum of military operations



**LCES Areas of Expertise**

Power Systems

Fuel & Water Systems

Explosive Ordnance Disposal Systems

Material Handling & Construction Equip

Expeditionary Medical Systems

Shelters, Field Feeding, and Containers

Test Measurement Systems

Tools & Diagnostic Systems

Corrosion Prevention & Control

Ground Ammunition

Explosive Safety

Motor Transportation Systems

**FY21  
FOCUS  
AREAS**

**PFM**

- ▶ Respond to Force Development
- ▶ Engagement, Divestment, Investment & Innovation
- ▶ Audit

**PM-Engineering Systems**

- ▶ Littoral Explosive Obstacle Neutralization System
- ▶ Expeditionary Fuel Distribution & Storage Capability
- ▶ Modernize Utility Systems

**PM-Supply & Maintenance Systems**

- ▶ Corrosion Prevention And Control
- ▶ Medical Equipment Modernization
- ▶ Modernize ATS and GPTTS Equipment

**PM-Ammo**

- ▶ Lightweight IPT & .50 Cal Polymer Lightweight Ammo
- ▶ Modernize Automated Ammunition Information System (AAIS)

**PM-Light Tactical Vehicle**

- ▶ Joint Light Tactical Vehicle
- ▶ Ultra-Light Tactical Vehicle / Utility Task Vehicle
- ▶ Sustainment of legacy LTVs and Ancillary Equipment

**PM-Medium & Heavy Tactical Vehicles**

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



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## Science & Technology

### FY 20.3 SBIR Topic

- **Crawling Amphibious Breacher (CRAB)**
  - Autonomous amphibious breaching vehicle capable of proofing assault lanes from the surf zone (<40 feet depth) through the beach zone

### FY21 Focus Areas:

- **Just In Time Logistical Resupply for Forward Medical (JITMEDLOG)**
  - System to provide demand-based just in time push/pull logistical resupply of medical consumables and supporting products
- **Portable Hydroelectric Generator**
  - Personnel portable ruggedized hydroelectric generator that will provide power from hydrokinetic water sources
- **Bulk Fuel Movement**
  - Deliver bulk fuel to the high-water mark of the beach
- **Collapsible Fuel/Water Tanks**
  - Self-sealing bladders to contain bulk fluids



Automated  
Pallet Loader



Ultra LW  
Expeditionary  
Power System



Expeditionary  
Medical  
Refrigeration  
Unit

SHARC





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## PM Engineer Systems

### 5 Teams pressing forward:

- 150.1 Power Systems
- 150.2 Fuel and Water Systems
- 150.3 Mobility/Counter Mobility Systems
- 150.4 Explosive Ordnance Disposal Systems
- 150.5 Material Handling/Construction Equipment

### FY21 Focus Areas:

- Rapid Statement of Need for EOD (Littoral Explosive Obstacle Neutralization System)
- Service Life Extension Programs for Material Handling and Construction Equipment
- Platoon Water Purification System
- Intelligent Power Management System
- Mobile Electric Hybrid Power Sources
- Buried Command Wire Detector System
- Unmanned Vehicle Concept
- High Mobility Engineer Excavator





## PM ES opportunities for industry next 6-18 months

Title	Planned RFP
▶ Tactical Aviation Ground Refueling System	2QFY21
▶ Family of Foreign Object Damage Mitigation Equipment	3QFY21
▶ PM ES Acquisition Support	4QFY21
▶ Tactical Fuel Systems	2QFY22
▶ Small Unit Power	2QFY22

**Virtual Industry Days will be scheduled throughout the year**



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## PM ES Budget

Total FYDP (FY21-25) : \$484M

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
ES	127.3	76.4	96.5	93.1	103.1	114.9

### Appropriation Breakout

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
RDT&E	11.4	7.6	7.8	5.8	5.9	6.0
PMC	112.8	65.2	85.1	83.4	93.2	104.8
PANMC	0.0	0.0	0.0	0.0	0.0	0.0
OMMC	3.1	3.6	3.6	3.9	4.0	4.1

Based on PB-21 controls



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## PM Supply & Maintenance Systems

### 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)

### FY21 Focus Areas:

- Wireless At-Platform Test Set (WATS)
- Pandemic Assemblage Urgent PPE Procurements
- II MEF TF-66 U-UNS Airbeam Tents and AV Wall
- Expeditionary Fabrication (XFAB)
- Tactical Fabrication (TACFAB)
- III MEF U-UNS for Panther COVID Test Capability
- Expeditionary Fluid Analysis System (CBM+ enabler)
- HandHeld Radio Test Set
- Electronic Maintenance Support System
- LAV Strut-cap corrosion mitigation test (CPAC)





**PM SMS opportunities for industry next 6-18 months**

Title	Planned RFP
▶ Handheld Radio Test Set	Rel: 7/22/2020
▶ Tactical Fabrication (TACFAB) components (3D printers and ancillary equipment)	1QFY21
▶ Joint Modular Intermodal Container	2QFY21
▶ Procurement of Electro-Optic Controller	1QFY21
▶ Marine Corps Prime Vendor Contract (Medical Supplies)	2QFY21
▶ Warehouse Services Support Contract (8A Competition)	2QFY21
▶ Engine and Transmission Dynamometers	2QFY22

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## PM SMS Budget

Total FYDP (FY21-25) : \$486M

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
SMS	103.3	76.0	99.6	92.8	94.5	123.1

### Appropriation Breakout

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
RDT&E	5.4	6.1	6.8	6.9	6.8	6.9
PMC	60.3	30.9	47.1	39.6	40.5	66.9
PANMC	0.0	0.0	0.0	0.0	0.0	0.0
OMMC	37.6	39.0	45.7	46.3	47.2	49.3

Based on PB-21 controls



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## PM Ammunition

### 6 Teams pressing forward:

- 152.1 Maneuver Ammunition/Missiles
- 152.2 Close Combat and Combat Ammunition
- 152.3 Environmental & Explosive Safety
- 152.4 Inventory Management
- 152.5 Plans & Analysis
- 152.6 Ammunition Acquisition & Operations

### FY21 Focus Areas:

- New Force Structure Impact to Total Munitions Requirement
- .50 Cal Polymer Lightweight Ammunition
- Modernize of Automated Ammunition Information System (AAIS)
- Refresh Marine Ammunition Knowledge Enterprise (MAKE)
- Mine Clearing Linear Charge (MICLIC) maintenance
- Service Life & Accelerated Age Test (SLAAT) Program
- Explosives Safety Management Program (ESMP)
- Joint Service Collaboration (Lightweight IPT, Ammo Log R&D IPT, etc.)
- 30x113mm (Lightweight 30mm) Ammunition (supports GBAD-MADIS)





## PM Ammo opportunities for industry next 6-18 months

Title	Planned RFP
▶ OIS-MC Enterprise license competitive contract.	2QFY21
▶ BA21 40MM second source competitive contract.	4QFY21

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## PM Ammunition Budget

Total FYDP (FY21-25) : \$2,730M

\$ (M)	FY20	FY21	FY22	FY23	FY24	FY25
AMMO	554.4	437.8	627.8	484.3	558.5	622.1

### Appropriation Breakout

\$ (M)	FY20	FY21	FY22	FY23	FY24	FY25
RDT&E	1.3	1.3	1.3	1.3	1.4	1.4
PMC	58.8	54.9	42.1	34.6	34.9	37.1
PANMC	475.2	361.0	563.3	427.0	500.5	561.3
OMMC	19.1	20.6	21.1	21.4	21.8	22.3

Based on PB-21 controls



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## PM Light Tactical Vehicles

### 2 Teams pressing forward

- 153.1 Light Tactical Vehicles (HMMWV/Trailers/UTV/ULTV)
- 153.2 Joint Light Tactical Vehicle

### FY21 Focus Areas:

- JLTV Fielding
- JLTV production quality issues
- ULTV procurement of test assets ULTV testing to include MCOTEA operational assessment
- ULTV systems integration development
- HMMWV and LTT sustainment and divestment
- UTV OPNET and FLMNET execution (CLS)
- UTV maintenance support (CLS)
- UTV Supply Chain Management (CLS)
- ITV and ITV Ammunition Trailer divestment





## PM LTV opportunities for industry next 6-18 months

Title	Planned RFP
▶ PM LTV support services contract. Award by Dec 2020. One base year with 4 option years (WOSB)	4QFY20
▶ JLTV MEF liaison officer support (SB – 8a)	2QFY21
▶ ULTV Interim Contactor Support (SB – 8a)	2QFY21
▶ OPNET/FLMNET (ULTV training efforts) (SB – 8a)	2QFY21

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## PM LTV Budget

Total FYDP (FY21-25) : \$1,944M

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
LTV	571.8	396.8	341.4	325.4	431.2	448.9

### Appropriation Breakout

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25
RDT&E	5.0	5.4	3.0	4.3	3.1	3.1
PMC	556.8	382.8	332.1	313.0	419.9	437.2
PANMC	0.0	0.0	0.0	0.0	0.0	0.0
OMMC	10.0	8.5	6.3	8.0	8.2	8.6

Based on PB-21 controls



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# PM Medium/Heavy Tactical Vehicles

## 4 Teams pressing forward

- 154.1 MHTV Trailers & Mine Resistant Ambush Protected (MRAP) Buffalo Mine Clearance Vehicle
- 154.2 Cougar, M-ATV Mine Resistant Ambush Protected (MRAP) Vehicles & P-19R Aircraft Rescue and Fire Fighting (ARFF) vehicle
- 154.3 Logistics Vehicle System Replacement (LVSr)
- 154.4 Medium Tactical Vehicle Replacement (MTVR)

## FY21 Focus Areas:

- LVSr transfer case failure root cause analysis with Navy Research Lab (NRL)
- LVSr corrective maintenance
- LVSr Cab Level II /Level III production
- HIMARS Resupply Vehicle/ Resupply Trailer (RSV/RST)
- M870 First Article Test at Aberdeen Proving Grounds (APG)
- P-19R hose limited user evaluation (LUE)
- P-19R CLS shipments
- MTVR FE testing on the unarmored variants and update to ECP for follow-on effort
- AMK970 kingpin plate issues
- Divestment





## PM MHTV opportunities for industry next 6-18 months

Title	Planned RFP
<ul style="list-style-type: none"> <li>▶ CLS support (ECP development, provisioning, integration) for Medium and Heavy platforms               <ul style="list-style-type: none"> <li>▶ MTVR</li> <li>▶ LVSR</li> <li>▶ P-19R</li> <li>▶ Medium and Heavy Trailers</li> </ul> </li> </ul>	FY22

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## PM MHTV Budget

Total FYDP (FY21-25) : \$141M

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25	FY26
MHTV	34.5	41.3	25.7	21.3	20.4	32.8	0.0

### Appropriation Breakout

\$(M)	FY20	FY21	FY22	FY23	FY24	FY25	FY26
RDT&E	4.9	1.1	1.1	1.1	1.2	1.9	0.0
PMC	21.4	29.4	20.2	14.8	14.4	25.9	0.0
PANMC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OMMC	8.2	10.8	4.4	5.4	4.9	5.0	0.0

Based on PB-21 controls



# QUESTIONS?

Submit your questions at  
[moderndaymarine.com/question](http://moderndaymarine.com/question)

## CONTACT US



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