

PORTFOLIO ACQUISITION EXECUTIVE MARINE CORPS



**Program Manager
Ground Weapons Systems
Program Overview
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Program Manager**

PM GROUND WEAPONS SYSTEMS PORTFOLIO OVERVIEW





AREAS WHERE INDUSTRY CAN HELP: LOITERING MUNITIONS & FIRES CAPABILITIES

▲ General (Organic Precision Fires Light/Medium (OPF-L/M))

- Higher energy density batteries; rechargeable and/or single use
- Improved autonomous and semi-autonomous target recognition and tracking
- Assured Positioning, Navigation, and Time (A-PNT) Solutions
- Common controller

▲ OPF-Medium

- Anti-armor & anti-materiel payload and able to accept other payloads (modular design)
- Transportable by two Marines
- Automatic target tracking of stationary and moving targets
- Ability to charge, and maintain charge of, lithium battery separate from the warhead
- Cost effective design solutions to make affordable at scale while being able to detect and recognize targets at distance in cluttered environments and battlefield obscurants
- Resilient and adaptable communication systems with ability to operate in an electromagnetically contested environment to include GPS denied
- Warhead/fusing and Electronic Safe and Arm Device (ESAD) approved
- Ability to store aboard ships/munition storage system for systems using electric propulsion





AREAS WHERE INDUSTRY CAN HELP:

IMPROVED SMALL ARMS CAPABILITIES & SENSORS

▲ Small Arms:

- Suppressors – reduced sound, flash, and thermal signature
- Weight reduction in heavy and medium machine guns
- Improved effects on target and target suppression without sacrificing size, weight, performance, and cost

▲ Sensors:

- Navigational tracking of jumpers & cargo parachute systems
- Tactical Ranging Devices
 - Passive ranging
 - Ranging utilizing uncommon wavelengths
- Lightweight multi-spectral imagers and rangefinders
- Man-portable day and night capable long-range detection and identification technology





AREAS WHERE INDUSTRY CAN HELP: MISSILES

- ▲ Missile subcomponents that will increase range and lethality (engines, fuels, and data links, etc.)
- ▲ Coatings or removable coverings for missile cannisters that can provide camouflage and concealment
- ▲ Munitions capable of integrating with existing launch platforms and fire control systems (HIMARS/NMESIS)





AREAS WHERE INDUSTRY CAN HELP: TECHNOLOGIES FOR VEHICLES, BOATS, & MUNITIONS

- ▲ Low-cost comms that provide:
 - Beyond Line of Sight
 - High bandwidth (off-load sensor data)
 - Low probability of detection/interception
- ▲ Multi-sensor/platform data and track correlation
- ▲ Compact, marinized, electro-optical and radar sensors
- ▲ Outboard engine for inflatable boats (E-CRRC) capable of being submerged in water and returned to function without maintenance/minimal operator actions





AREAS WHERE INDUSTRY CAN HELP: GENERAL

- ▲ Highly experienced general systems trainers
- ▲ Improved autonomous navigation in GPS denied environments
- ▲ Emerging commercial technologies (GOTS/COTS NDI) that will assist our portfolio in addressing capability gaps
- ▲ Opportunities to improve contracting and production timelines in delivering critical capabilities
- ▲ Systems to reduce probability of detection and extended operation in challenging logistics environments
- ▲ Capabilities that allow the massing of cost-effective fires munitions or other key enabling systems

EQUIPPING OUR



WARFIGHTERS