



MARINE CORPS SYSTEMS COMMAND

Col Bradley Sams

PM GWS

May 2025

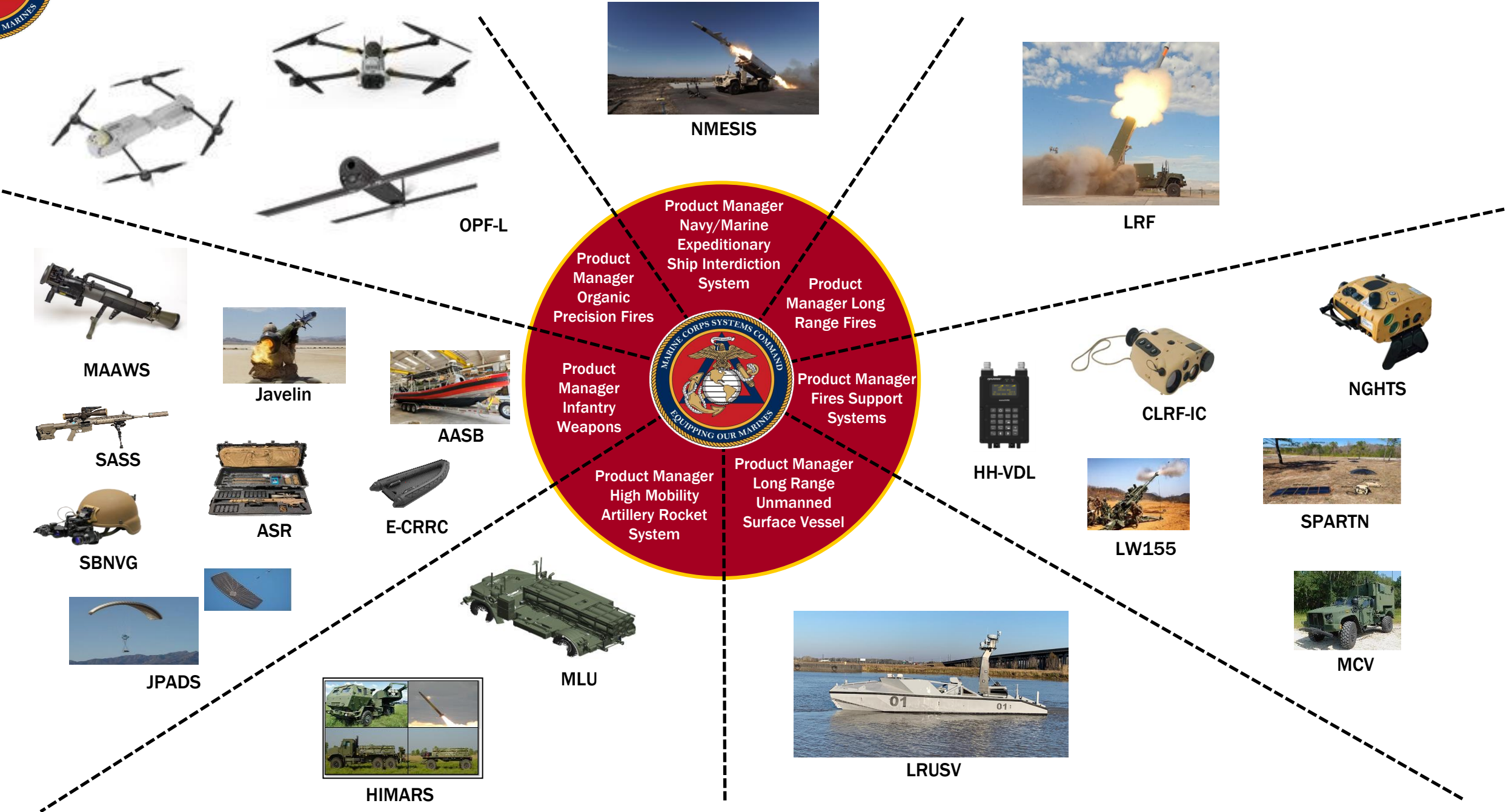


PROGRAM MANAGER GROUND WEAPONS SYSTEMS PROGRAM OVERVIEW

Distribution Statement A. Approved for public release: distribution is unlimited.



PM GWS PORTFOLIO OVERVIEW





AREAS WHERE INDUSTRY CAN HELP

- ▶ **Loitering Munitions and fires capabilities:**
 - High-capacity lithium batteries
 - Ability to charge and maintain charge of lithium battery separate from the warhead
 - Shipboard munition storage for systems using electric propulsion
 - Improved autonomous and semi-autonomous target recognition, and tracking.
 - Reduce operator workload and provide capability to control multiple loitering munitions simultaneously from single ground control station
 - Modular payloads/warheads



AREAS WHERE INDUSTRY CAN HELP

► Improved small arms capabilities:

- Suppressors—reduced sound, flash, and thermal signature
- Weight reduction in heavy and medium machine guns

► Sensors:

- Navigational tracking of jumpers and cargo parachute systems
- Tactical Ranging Devices

➤ Passive ranging

➤ Ranging utilizing uncommon wavelengths

- Lightweight multi-spectral imagers and rangefinders



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
- Improved designs for missile handling equipment for the NSM to allow for safe and rapid reload



AREAS WHERE INDUSTRY CAN HELP

► Technologies for vehicles, boats, and munitions:

Low-cost comms for small mid-sized unmanned systems that provide:

- Beyond Line of Sight
 - High bandwidth (off-load sensor data)
 - Low probability of detection/interception
- Common controllers and interfaces to enable easier training /integration of different platforms
 - Multi-sensor/platform data and track correlation
 - Remote health monitoring of autonomous systems
 - Compact, marinized, electro-optical and radar sensors
 - Submersible outboard engine for inflatable boats (ECRRC)



AREAS WHERE INDUSTRY CAN HELP

► Other:

- Highly experienced general systems trainers
- Improved autonomous navigation in GPS denied environments
- Emerging commercial technologies (COTS/COTS NDI) that will assist our portfolio in addressing capability gaps.
- Opportunities to improve contracting and production timelines in delivering critical capabilities.

EQUIPING OUR



MARINES