



Ground Based Air Defense (GBAD)

Modern Day Marine

Program Executive Officer Land Systems
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April 2025

DISTRIBUTION STATEMENT A.

Approved for public release: distribution is unlimited.

Unclassified

IT'S ALL ABOUT THE WARFIGHTER



The Threat is Now...

April 2025



BBC

Combat drones: We are in a new era of warfare - here's why

4 February 2022



Man who flew drone over Ohio State - Maryland game facing charges

October 12, 2023 at 10:12 am PDT

**SCI
AM**

Drone-on-Drone Combat in Ukraine Marks a New Era of Aerial Warfare

APRIL 3, 2023

Mysterious Drones Swarmed Langley AFB For Weeks

The unidentified drones were such an issue that assets were called in from around the government, including a NASA WB-57 high-altitude jet.

Houthi Explosive Drone Boat Attacks Escalate Red Sea Danger

By Reuters | July 3, 2024, at 7:37 a.m.

Houthi Lethal Underwater Drones Adds New Threat to Red Sea

FEBRUARY 19, 2024 12:15 PM

USNI News

Drone Swarms Pose New Threat to US Bases, Official Says

May 8, 2024

AIR & SPACE FORCES
MAGAZINE

Yemen's Houthi rebels use missiles, drones to attack 2 more ships in Red Sea

Houthis have targeted more than 70 ships, sinking 2 of them and killing 4 since November

Associated Press

Published July 16, 2024 8:48am EDT



January 16, 2024

**COUNCIL ON
FOREIGN
RELATIONS**



PM Ground Based Air Defense (PM GBAD)

April 2025



GBAD Mission

To field and sustain fully integrated ground to air defense solutions that detect, track, defend and defeat the enemies' air threat that seek to harm or kill Marines and other high value assets.

Vision

To deliver the most capable equipment, at the right time, that provides Marines an advantage over the enemy in combat effectiveness and lethality.



GBAD Capabilities



April 2025

Fielding FY 2025

- Marine Air Defense Integrated System (MADIS)
 - Ongoing – met Initial Operational Capability Dec 2024
- Medium Range Intercept Capability (MRIC) counter cruise missile system
 - Residual Prototype fielding
- Light-Marine Air Defense Integrated System (L-MADIS)
 - Replacing urgent capability with Program of Record (PoR)
- Installation C-sUAS (I-CsUAS)
 - Replacing urgent capability with PoR – expanding capacity
- Organic C-sUAS for “non-Air Defenders”





Focus Areas

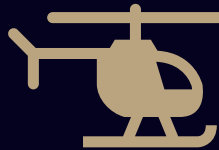
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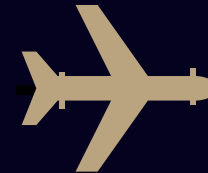
Produce systems that:



Counter-
Unmanned Air
Systems (C-UAS)
(Groups 1-3)



Counter Fixed-
Wing and Rotary-
Wing Aircraft
(Groups 4 – 5)



Counter Cruise
Missiles

PEO LS Capability Portfolio Manager for Ground Based Air Defense

– Counter UXS across domains



Opportunities

April 2025



Continual product development, enhancement, and implementation

- Areas of focus:
 - Counter-Swarm
 - Munition agnostic launching system
 - Enhanced sensing solution - passive
 - Dismounted capabilities – sensing and defeat
 - Training support capabilities – virtual and live

IT'S ALL ABOUT THE



WARFIGHTER