

PEO (U&W) PORFOLIO OVERVIEW

INDUSTRY EVENT MARCH 2025





PRECISION STRIKE WEAPONS (PMA-201)

INT'L

INTERNATIONAL:
Largest NAVAIR FMS portfolio
40 countries • 254 cases



ADSY

ADVANCED SYSTEMS:
Advanced concepts & technologies
acquisitions • engineering • advanced development • long range fires



SDB II

SMALL DIAMETER BOMB II:
Moving & stationary targets; all-weather
millimeter wave radar • imaging infrared • digital semi-active laser



FXDD

EFFECTS DEPLOYMENT OFFICE:
Precision-guided weapons
long range anti-ship missile • hypersonic air launched offensive anti-surface warfare missile



CAD/PAD

CARTRIDGE-ACTUATED DEVICES/PROPELLANT-ACTUATED DEVICES:
CAD/PADs in Navy, Marine Corps, Air Force & Army aircraft
2,876 items • 284 aircraft models/systems • 578,000 aircraft installs



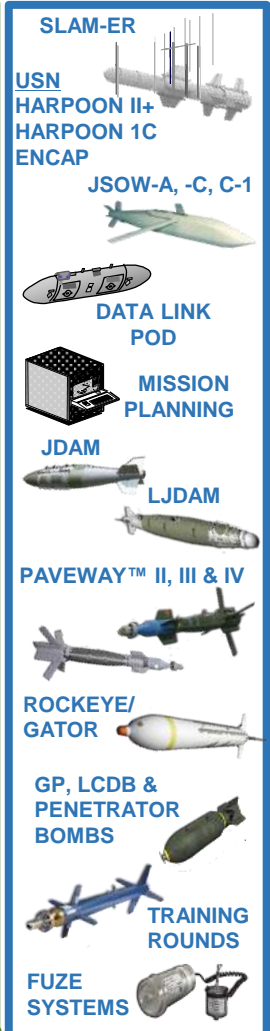
AAE/ARS

AIRCRAFT ARMAMENT EQUIPMENT/AERIAL REFUELING STORE:
Suspend and launch ejection rack weapons system delivery
34 unique end items • 45+ configurations • 22 platforms



SDAW

STANDOFF & DIRECT ATTACK WEAPONS:
Short & long-range, precision-guided, land and sea attack weapons
capacity weapons • close air support • fixed & relocatable targets • standoff land attack missile – expanded response • harpoon • joint standoff weapon



COMPONENTS:
Cones, Fins, Cables, Lugs



NAVAL AIRCREW SYSTEMS (PMA-202)

Personal Protection & Performance

- Anti-exposure systems
- Boots, gloves, socks, undergarments
- Communication headset components
- Flight Clothing: suits & jackets
- Flight Deck & Maintainer Cranials
- Helmets, Hearing Protection systems
- Personal heating & cooling systems
- H-60 Cockpit Seat Vibration Mitigation

Physiological Episode Protection

- Oxygen generation systems, masks, filters, monitors, emergency bottles



Escape, Egress, Evasion & Recovery

- Crashworthy seats & Restraint systems
- Escape systems – ejection seats
- Parachutes
- Survival radios, signaling devices
- Survival rafts, Life Preservers
- Survival vests, Survival kit items
- Underwater breathing apparatus

Visual Situational Awareness

- Enhanced Visual Acuity (EVA)
- Night Vision Cueing & Display (NVCD)
- Night Vision Goggles



Chem Bio Defense: Protection & Perseverance

- Detection & Decontamination systems
- Respirators
- Skin exposure protection clothing

Combat Survivability & Perseverance

- Anti-G-Force protection suits
- Bladder Relief systems
- Body Armor
- Hydration sustainment systems
- Laser Eye Protection & FOD glasses
- Smoke masks



PMA202 enables Naval Aviation with life-cycle support of >1100 Critical Survival Items

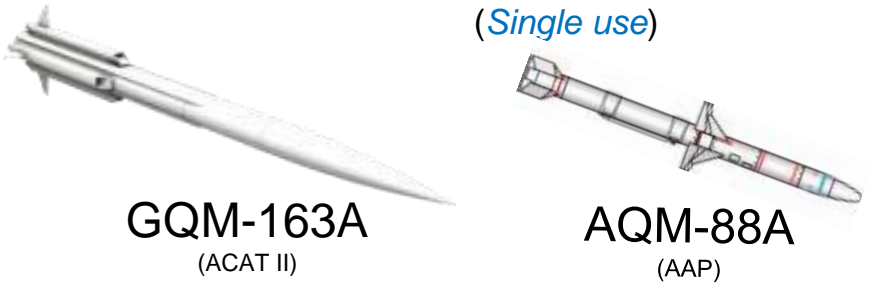


AERIAL TARGETS (PMA-208)



PMA-208's mission is to advance the Navy's combat readiness by delivering next-generation threat-representative targets

Supersonic Target Systems (STS)



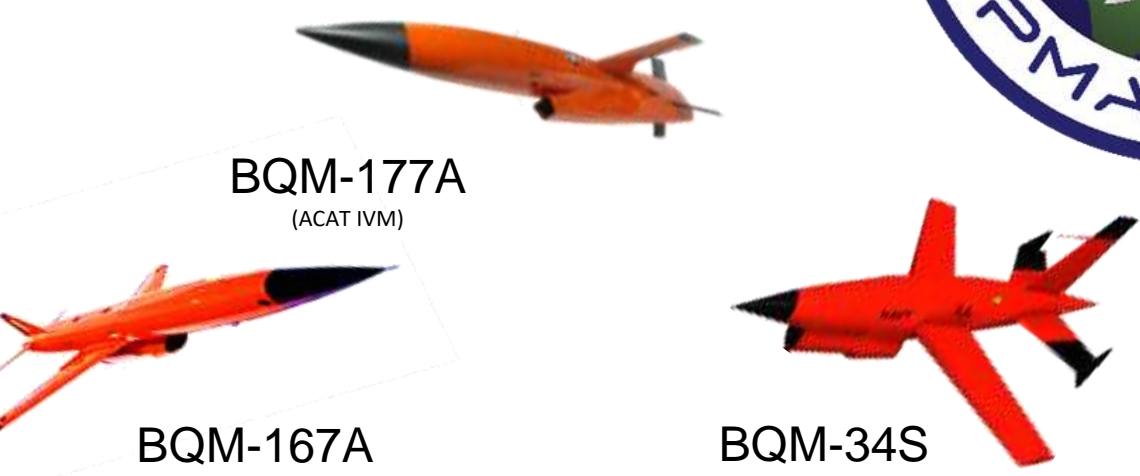
(Single use)

GQM-163A
(ACAT II)

AQM-88A
(AAP)

Subsonic Targets

(Recoverable)



BQM-177A
(ACAT IVM)

BQM-167A

BQM-34S



Target Mission Support Systems (TMSS)

Full Scale Aerial Targets (FSAT)



QF-16



Moving Land Targets (MLT)



Target Threat Simulation Program (TTSP)

System for Naval Targets Control (SNTC)



Target Auxiliary & Augmentation Systems (TAAS)





DIRECT AND TIME SENSITIVE STRIKE WEAPONS (PMA-242)





AIR-TO-AIR MISSILES (PMA-259)

AIM-9X
AIM-9X
AIM-9X-2/3/4



AIM-120
AIM-120A
AIM-120C-3/4/5/6/7
AIM-120D
AIM-120D-3

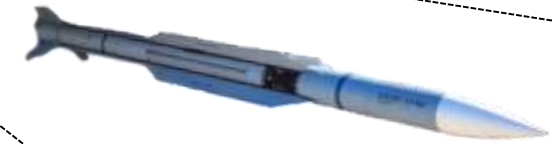


AIM-260A

International Portfolio



AIM-7
RIM-7
RIM-7M, RIM-7P



AIM-174B



AIM-9
L/M/P/S



COMMON AVIATION SUPPORT EQUIPMENT (PMA-260)

Customers
Support Equipment
Controlling Authority (SECA)

S CNASC L CNAL
 R CNAFR N NAVAIR ACC
 E CNATT T CNATRA
 P CNSL

Ashore

- FRC Depot
- FRC I-Level
- Marine Aviation Logistics Squadron
- METCAL
- USN Squadrons
- USMC Squadrons
- Navy Munitions Command
- Primary Standards Lab

Afloat

- Carrier Strike Groups
 - Squadrons
 - AIMD
 - Air Dept
 - METCAL
 - Ordnance
- Expeditionary strike Groups
 - Squadrons
 - AIMD
 - Air Dept
 - METCAL
 - Ordnance
- Air Capable Ships



Programs

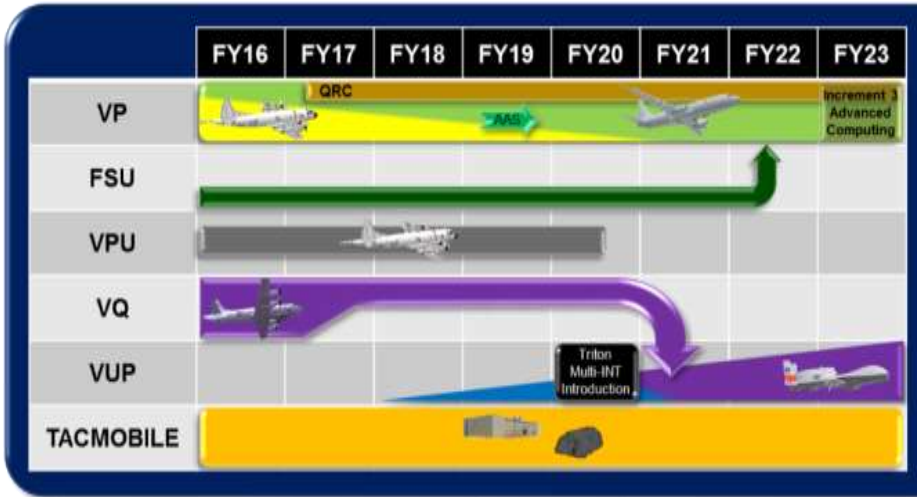
ACAT II: 1
 ACAT III: 1
 ACAT IV: 1
 AAP: 17
 Projects: 8
 Other: 1



PMA260 maintains a portfolio of 1,549 in-service end items, consisting of 260,583 pieces of common support equipment, valued at \$3.16B



PERSISTENT MARITIME UNMANNED AIRCRAFT SYSTEMS (PMA-262)



MQ-4C Triton Program Summary

- Key component in the Navy's Maritime ISR&T Transition Plan
- Baseline delivers Persistent Maritime intelligence Surveillance and Reconnaissance (ISR) capability in 2020
- Triton Multi-INT add Signals Intelligence (SIGINT) capability
- Multi-INT fielding enables retirement of EP-3E fleet
- International Cooperation Program with Australia

Integrated Functional Capabilities (IFC)

IFC-3 Baseline

- Radar (maritime search/ISAR/SAR)
- EO/IR (FMV & Stills)
- Automatic Identification System (AIS)
- Communications (LOS & BLOS)
- Electromagnetic Support Measures (ESM)

IFC-4 Multi-INT

- High and Low band SIGINT capabilities

SAA ECP

- Sense & Avoid Radar





NAVY & MARINE CORPS SMALL TACTICAL UAS(PMA-263)



Unmanned Logistics

- Small and Medium tactical resupply efforts
- Emerging cargo requirements
- Contested logistics focused



ISR Services

- Ship and Land based requirements
- Emerging Requirements
- Maritime Targeting



Family of Small UAS

- Short, Medium and Long Range Tactical
- Reconnaissance, Surveillance, and Target Acquisition



Payloads

- Bloodhound – SIGINT/ES
- Common Sensor Workstation – tactical data processing
- Comms Relay – AN/PRC-163 radio/antennae, Transceiver
- Dead Center – AI/ML processing
- Mod Payload A-kit – hardware, brackets, cables for mounting
- MODSAR – NSP-2 radar for SAR and MTI capabilities
- TIPS – cross domain solution for full motion video
- ViDAR – Wide area surveillance sensor



Foreign Military Sales





MULTI-MISSION TACTICAL UAS (PMA-266)



Increment I IOC June 2024



MQ-9A
Block 5

Increment II



MQ-9A Block -5



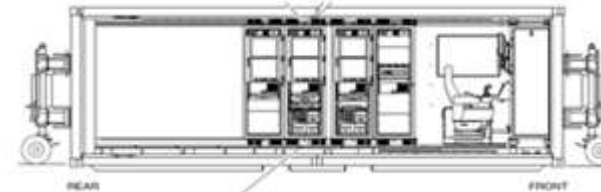
Block 30
Ground Control
Station (GCS)



Sky Tower I
Pod



COP/CIP



Secure MCE



Sky Tower II Pod



Electronic
Warfare Pod



Detect And Avoid System
(DAAS)



UNMANNED CARRIER AVIATION (PMA-268)



Rapidly develop and deliver integrated unmanned air systems to the Carrier Air Wing to enhance Carrier Strike Group capability and versatility



Unmanned Carrier Aviation Mission Control System (UMCS)

- System-of-systems required to command and control the MQ-25 air vehicle and future UAS
- MD-5 ground control station
- CVN modification and integration, C4I integration
- Ship-based control room - Unmanned Air Warfare Center (UAWC)



Lead Systems Integrator

- Government-owned System Test and Integration Lab (STIL)
- Software integration
- Lab integration
- Engineering integration



MQ-25 Stingray is a trademark of the Department of the Navy

MQ-25™ Stingray Air System

- Primary mission: aerial refueling
- EMD fixed-price contract awarded to Boeing (St. Louis, MO) 30 August 2018
- 1 static test article + 9 test aircraft (7 production representative) + 1 fatigue aircraft + software
- First flight - 2025



TOMAHAWK WEAPONS SYSTEM (PMA-280)



All-Up Round Missile Systems



TACTOM (ACAT IC)
 Subprograms:
 (1) Production
 (2) Navigation(NAV)/Communication (COMM)
 (3) Maritime Strike Tomahawk (MST)



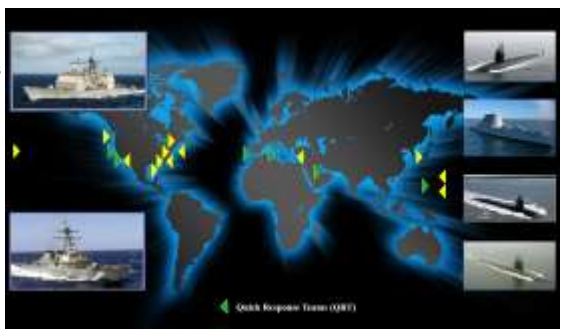
BLK IV Recertification (ACAT II)

Joint Multiple Effects Warhead System (JMEWS) (ACAT III)

Military Code (M-Code) (ACAT IV)

In Service Systems & Fleet Support

Ticonderoga Class Platforms



Arleigh Burke Class Platforms

Los Angeles Class Platforms

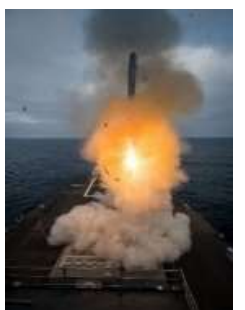
Zumwalt Class Platforms

Ohio Class Platforms

Virginia Class Platforms

AUR inventory management, ILS, I-level maintenance, transportation, Fleet Support; TTWCS Surface, Fast Attack Submarine (SSN), Guided Missile Submarine (SSGN) ILS, training, installation, Fleet Support

Maritime Strike Tomahawk (MST)



Tactical Tomahawk Weapons Control System (SWP)

LUSV



Foreign Military Sales

Ongoing Partnership



Awarded in AUG 2023, first in class launch in 2024

Awarded Jan 2024



Interested, working LOR for LOA



Advanced Concepts and Technologies



Army / USMC Ground Launch



SBIR



STRIKE PLANNING AND EXECUTION SYSTEMS (PMA-281)

