



AIR 1.0 Overview



November 12, 2014

Presented to:

LRAF Industry Day

Presented by:

Mr. Keith Sanders

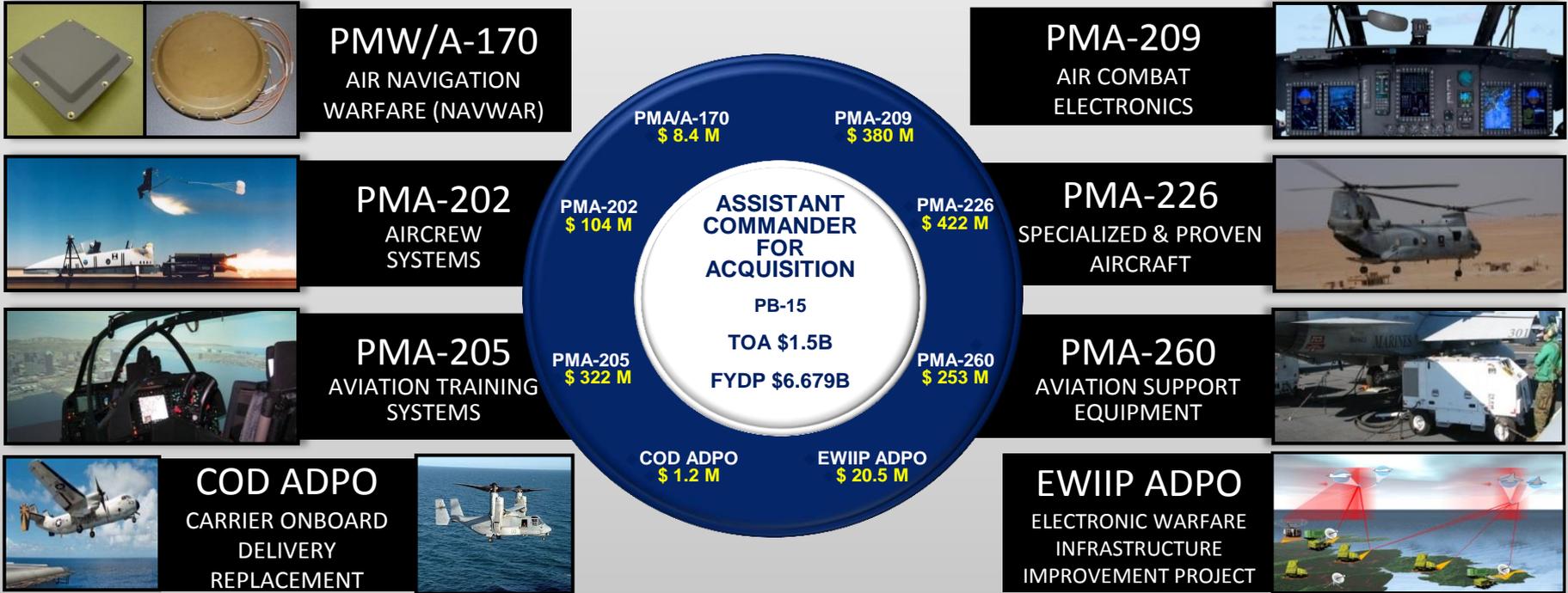
Assistant Commander for Acquisition



AIR-1.0 Programs



PROGRAM MANAGEMENT COMPETENCY/FUNCTIONAL LEAD POLICY/PROCESS/TOOLS STEWARDSHIP ACROSS AIR-1.0 AND PEO(A, T, U&W, JSF) PROGRAMS



SIX PROGRAM OFFICES (ACAT-II & BELOW), TWO ADVANCED DEVELOPMENT PROGRAM OFFICES (ADPO) AND FMS (FOREIGN MILITARY SALES) PRODUCTS ACROSS T/M/S PLATFORMS, TRAINING SYSTEMS, CH-46, ADVERSARY, NPS/TPS AIRCRAFT, AND CONTRACTED AIR SERVICES



PMA202 Aircrew Systems



Personnel Protection & Persistence

- Flight clothing: suits and jackets
- Safety boot, gloves, socks, undergarments
- Anti-exposure systems
- Personnel heating & cooling systems
- Helmets
- Flight Deck Cranial
- Hearing protection systems
- Communication headset components

Combat Survivability & Persistence

- Oxygen generation systems
- Oxygen masks & filters
- Anti G – Force protection suits
- Smoke masks
- Hydration sustainment systems
- Extended mission bio – waste collection units
- High endurance seat cushions
- Body armor
- Laser eye protection glasses and visors

Performance Force Multipliers

- Helmet Mounted Displays (HMDs)
- Night vision enhancement devices

Chem Biological Defense Protection & Persistence

- Chem bio & Radiological skin protection clothing
- Chem bio & Radiological respiratory protection
- Aviation CBR decontamination systems
- Aviation CBR detection systems

Escape. Egress, Evasion & Recovery

- Escape systems / ejection seats
- Aircraft emergency escape parachutes
- Aircrew restraint systems
- Non-aircraft integrated flotation systems
- Crashworthy seats
- Emergency egress U/W breathing devices
- Personal survival radios
- Aircrew survival vests & flotation devices

785 Products, 38 Product Groups



- ACAT/AAP PROGRAMS: 7
- PENDING ACAT/AAP PROGRAMS: 4
- OTHER: 4

Program Manager
CAPT Nora Burghardt

Deputy Program Manager
Mr. Dave Taylor

- PRODUCTS MANAGED: 785
- FY15 TOA: \$104M



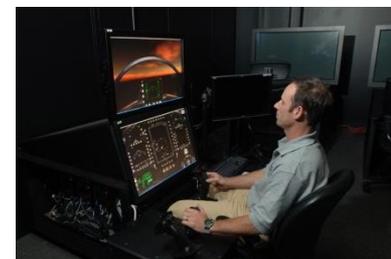
PMA-205: Naval Aviation Training Systems



PMA-205 provides warfighters with state-of-the-art training systems specific to a wide array of aircraft, giving the Navy and Marine Corps aircrew and maintainers the knowledge, skills and abilities to enable mission success. PMA-205 is responsible for acquisition and life-cycle management of training systems, including flight simulators, part-task trainers, maintenance trainers and associated training curricula to ensure optimum performance for naval aviation. The portfolio includes:



- Common Training Systems / Live, Virtual, & Constructive Training Development
- Tactical Training Ranges / Ocean Range Systems
- General Training Systems
- Strike Training Systems
- Marine Corps Aviation Training Systems
- Maritime / Unmanned / Weapons Training Systems



- ACAT/AAP PROGRAMS: 30
- PENDING ACAT/AAP PROGRAMS: 22
- OTHER: 14

Program Manager
CAPT Craig Dorrans

Deputy Program Manager
Mr. John Hayter

- FY15 TOA: \$322M



PMA-209: Air Combat Electronics

Common Avionics - Extraordinary Solutions



- ACAT/AAP PROGRAMS: 2
- PENDING ACAT/AAP PROGRAMS: 1
- NDAP PROGRAMS: 4
- OTHER: 17

Program Manager
Ms. Candace Chesser

Deputy Program Manager
CAPT Jason Lopez, USN

- SYSTEMS (INCLUDING LEGACY): 247
- FY15 TOA: \$380M



PMA-226 Specialized and Proven Aircraft



PMA-226 manages and supports specialized and proven platforms & systems

- Over (18) aircraft types in over (13) Countries
- Small population, specialized mission (T-38, H-72, X-26, U-6, O-2, F-5, F-16...)
- Near sundown or out of US Navy inventory (H-46, T-2, H-2, H-3, A-4, S-2T...)
- Three physical locations
 - MCAS Cherry Point, NAS Patuxent River, NAS Jacksonville

Assigned responsibilities:

- H-46 (USMC, Dept of State (DoS), Foreign Military Sales (FMS))
- US Naval Test Pilot School / Naval Postgraduate School (USNTPS / NPS)
- Out of Active Navy Inventory Aircraft (FMS)
- Contracted Aircraft Services (CAS)
- Adversary Aircraft
 - USN and USMC Adversary F-5 Squadrons
 - Naval Strike and Air Warfare Center's (NSAWC) F-16s



- ACAT/AAP PROGRAMS: 2
- PENDING ACAT/AAP PROGRAMS: 1
- NDAP PROGRAMS: 4
- OTHER: 17

Program Manager
CDR Tony Jaramillo
Deputy Program Manager
Mr. Andy Wilkinson

- PLATFORMS: 18
- FY15 TOA: \$65.5M
- FY15 OCF: \$357M



PMA-260: Aviation Support Equipment



- ACAT/AAP PROGRAMS: 1
- AAP PROGRAMS: 34
- NDAP PROGRAMS: 0

Program Manager
CAPT Brian Jacobs

Deputy Program Manager
Mr. Dennis Albrecht

- SYSTEMS (INCLUDING LEGACY): 503
- FY15 TOA: \$253.0M

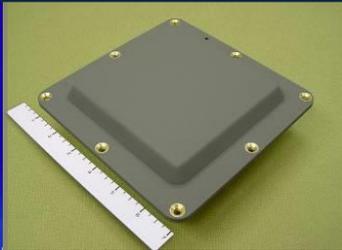


PMW/A170 GPS Anti-jam (AIR NAVWAR)



- Counters significant intentional Global Positioning System (GPS) jamming threat and blue-on-blue interference
- Utilize common solutions when possible and participate in joint procurements for quantity savings
- Demonstrating smaller GPS anti-jam systems with SPAWAR for space constrained platforms

Anti-jam Technologies Enhance GPS Dependent Warfighter Mission Accomplishment



GAS-1

- Basic AJ
- 7 element CRPA, analog AE
- MH-60R/S, C/KC-130, HH-60H, P-3C, V-22

GAS-1N CRPA

- Basic AJ
- Small, 4 element CRPA
- Use with GAS-1 AE on AV-8B

ADAP

- Basic AJ
- 7 element CRPA, digital AE
- Dual freq nulling
- MH-53E as lead, P-8A, CH-53E/K, F/A-18E/F, EA-18G, EP-3E

C-CRPA

- Basic AJ
- 7 element
- Use with ADAP AE
- Low RCS design
- F/A-18E/F, EA-18G

MAGNA

- Basic AJ
- Small size
- Combined CRPA and AE
- Targeting H-1 & UAS Platforms

GPS Antenna System-1 (GAS-1)

Controlled Reception Pattern Antenna (CRPA)

Advanced Digital Antenna Production (ADAP)

Multi-platform Anti-Jam Global Positioning System (GPS) Navigation Antenna (MAGNA)

Conformal CRPA (C-CRPA)

Antenna Electronics (AE)

Radar Cross Section (RCS)

▪ ACAT/AAP PROGRAMS: 3

PMW/A 170 Program Manager
CAPT Mark Glover, USN

Air NAVWAR Asst Program Manager
Mr. Mark Burroughs

- INVENTORY OBJECTIVE: 970
- FY15 TOA: \$8.4M

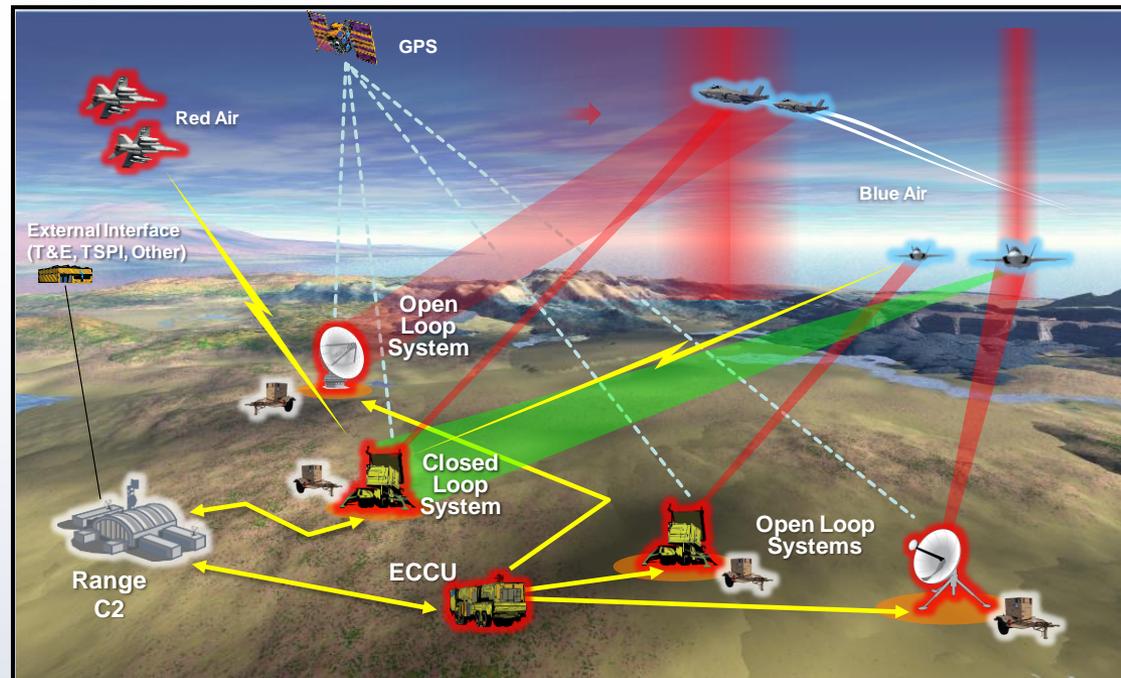


EWIIP ADPO Overview



Objectives:

- Develop full power, multi-function, threat emitters (Open Loop) and threat simulators (Closed Loop – i.e. with tracking) to achieve a high density threat environment for DoD aircraft / system testing
- Threat capability features
 - Complete/accurate radar waveform functionality
 - Threat representative Effective Radiated Power (ERP)
 - Ability to represent multiple threats / emitters
 - Accurate tracking
- Quantities:
 - 20 Open Loop
 - 2 Closed Loop
- Target IOC: Q1FY18

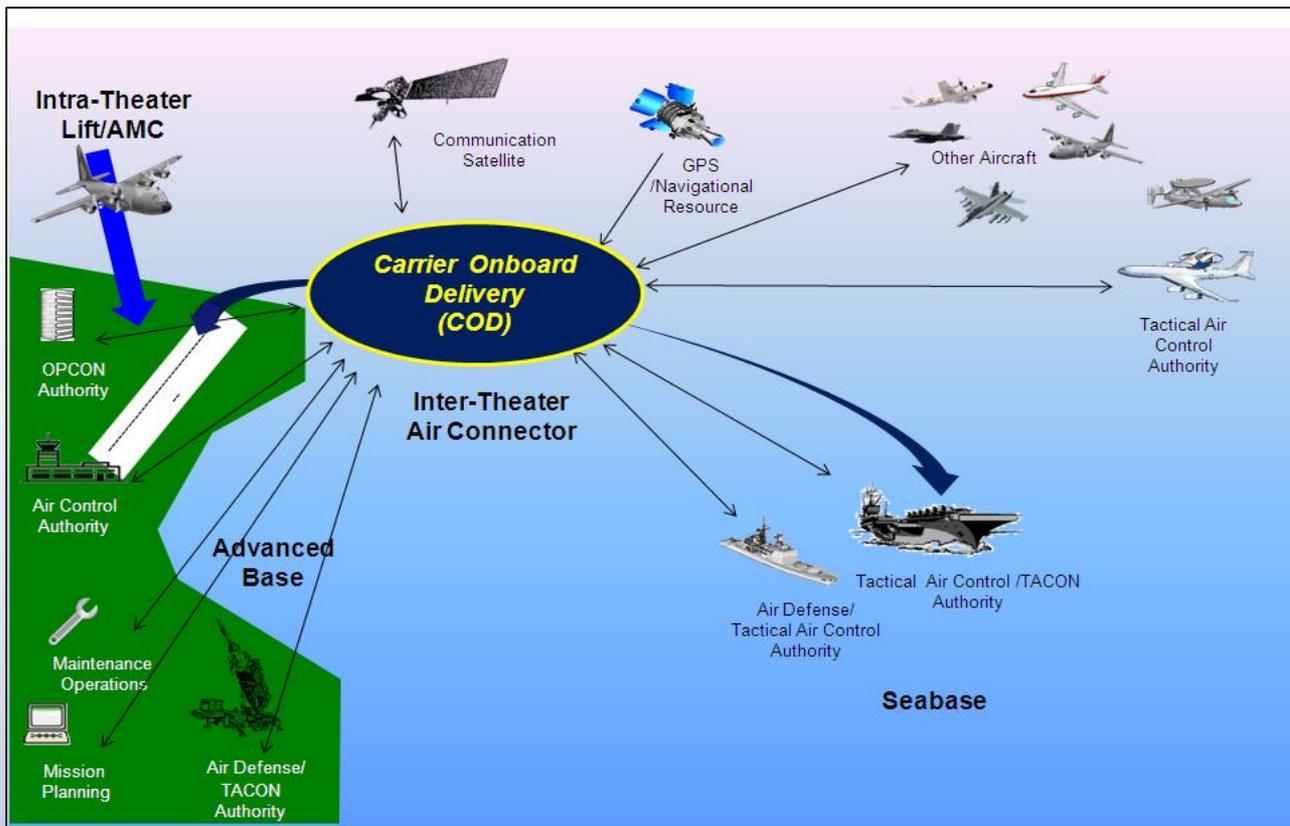




COD Recapitalization ADPO Overview



COD (Carrier Onboard Delivery) ADPO will recapitalize the COD capability for the Navy. This medium-lift/long range logistics aircraft will provide critical air connector capability for the time-critical logistics within the Navy Seabasing logistics enabling concept in support of the Carrier Strike Groups.





Highlighted Competitive Procurements



Product Contracts

- PMA202
 - Enhanced Visual Acuity EMD Contract
 - Aircrew Clothing
 - Aircrew Hearing
 - Laser Eye Protection NRE/EDMs
 - JSAM - Tactical
- PMA205
 - TCTS (Increment II) EMD Contract
 - E-2 Weapon System Trainer Tech Refresh
 - Visual Information Display System (VIDS)
- PMA260
 - Electro-Optic Device Test Set
 - Automatic Coaxial Wire Stripper
 - Stationary Penetrant Inspection System (SPI)
 - Shipboard Mobile Electric Power Plant (SMEPP)
 - Shipboard Aircraft Handler
 - A/S32K-1E Weapons Loader Replacement

Services Contracts

- PMA205
 - Integrated Learning Environment ASM
 - Integrated Logistics Support/In-Service Eng
 - ACTS SHARP LMS Life Cycle Maintenance Support
- PMA209
 - Program Management, Engineering, Logistics, Financial Management and International Programs support
 - ACIST Team Program Management, Engineering, Logistics, Financial Management and International Programs support
 - Capability Management Team Program Management, Engineering, Logistics, Financial Management and International Programs support
 - Common Acquisition Programs Team Program Management, Engineering, Logistics, Financial Management and International Programs support
- PMA226
 - Contracted Air Services (Hawaii)
 - Contracted Air Services (Business Jets)
 - Contracted Air Services (PMRF Support)
 - Contracted Air Services (Tanker Services)
 - Program Office Support
- PMA260
 - CASS PBL



For More Information



For more information about AIR-1.0 programs

Please call:

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301-757-8058

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BACK -UP





Notes

- PMA260 will host a table during the LRAF Industry Day afternoon session
 - PMA260 POCs are Ken Sands and CDR James Nash
- PMA205.....presents future business opportunities to industry at the following:
 - Training and Simulation Industry Symposium (TSIS), conducted annually
 - Procurement Administrative Lead Time (PALT): conducted quarterly



Carrier On-Board Delivery Advanced Development Program Office



▪ PENDING ACAT/AAP PROGRAMS: 1

Program Manager
Mr. Brian Scolpino

▪ FY15 TOA: \$8.9M