



Navy & Marine Corps Small Tactical Unmanned Aircraft Systems

PMA-263

Col John Neville, USMC

NDIA Luncheon

Oct. 17, 2018



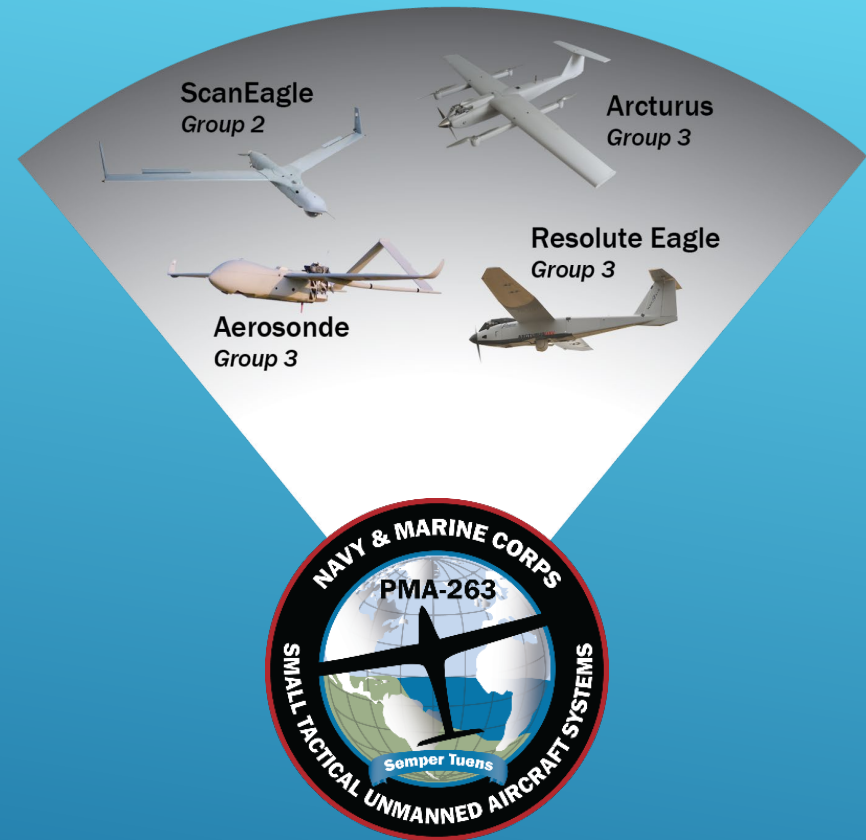
Who are we?

- ▶ PMA-263 is responsible for executing the planning, design, development, production/purchase, and maintenance of the smallest UAS for the Navy and Marine Corps
 - ▶ Group 1: up to 20 lbs
 - ▶ Group 2: 21-55 lbs
 - ▶ Group 3: 56-1,320 lbs



ISR Services

- ▶ Providing Contractor-Owned, Contractor Operated services across all military branches
- ▶ ISR Services is in high-demand in theater, providing critical capability to allied forces



OEMs

- ▶ **Insitu** – ScanEagle
- ▶ **Textron Systems Unmanned Systems** - Aerosonde
- ▶ **PAE** - Resolute Eagle
- ▶ **Academi** – Arcturus

ISR Services – what industry needs to know

- ▶ ISR Services Multiple Award Contract (MAC)
 - ▶ Awarded Jun 2017
 - ▶ Meeting existing and emerging UAS ISR requirements

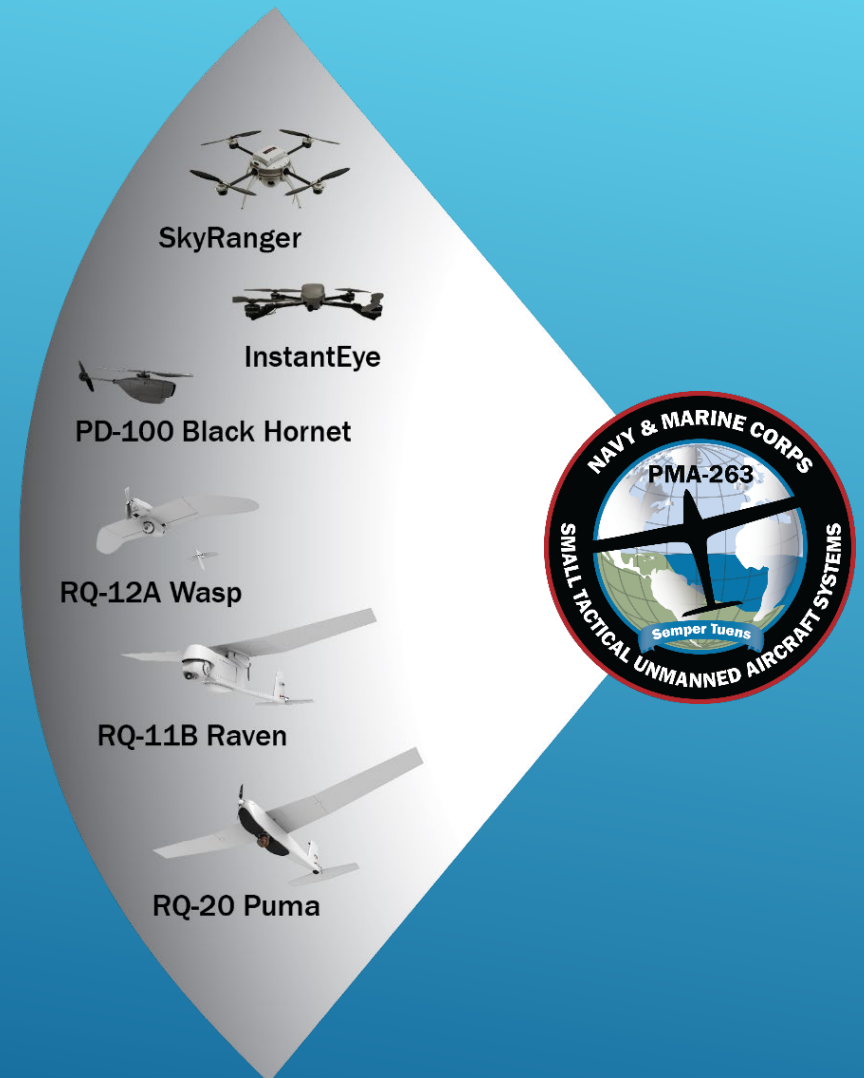


Small UAS

- ▶ Completed VTOL Phase II
- ▶ Nano/VTOL to join PoR
- ▶ Opening our 3rd Training and Logistics Support Activity (TALSA) Pacific
- ▶ Delivered Group 2 Stalker

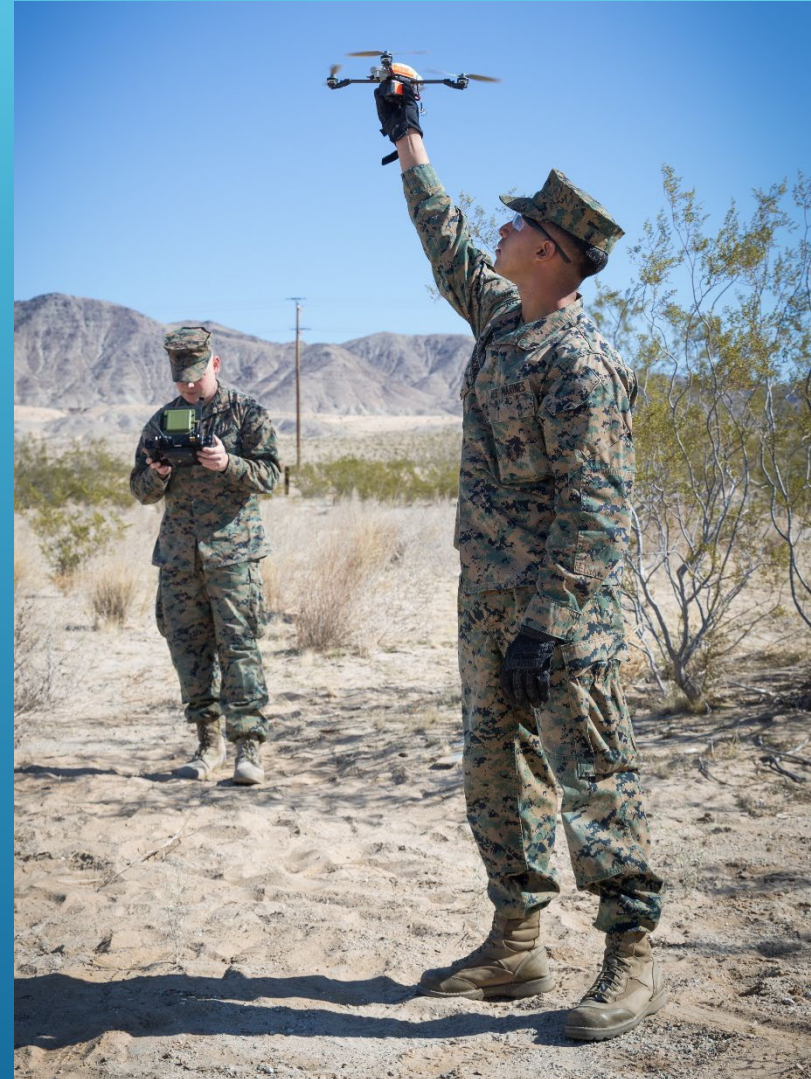
OEMs

- ▶ **AeroVironment** – Puma, Raven, Wasp
- ▶ **ProxDynamics** – PD-100 Black Hornet
- ▶ **PSI Tactical Robotics** - InstantEye
- ▶ **Aeryon Labs** – SkyRanger
- ▶ **Lockheed Martin** - Stalker



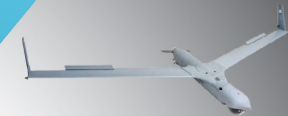
SUAS – what industry needs to know

- ▶ What is an urgent requirement?
- ▶ Focus is on capability, not necessarily particular system and informs deliberate process
- ▶ Tech demos/FUE
- ▶ RFIs/FedBizOps for opportunities
- ▶ FUEs plays a huge role in shaping the requirements



Medium UAS

- ▶ RQ-21A Blackjack operational with Marine Corps squadrons (VMU 1&2) and Naval Special Warfare
- ▶ RQ-21A Full Rate Production, Lot 2 awarded August 2018
- ▶ Begin developmental testing EO/IR 5 (Laser Designator)



MQ-27A - Multi-mission
Tactical UAS
Group 2



RQ-21A Blackjack
Group 3

OEM

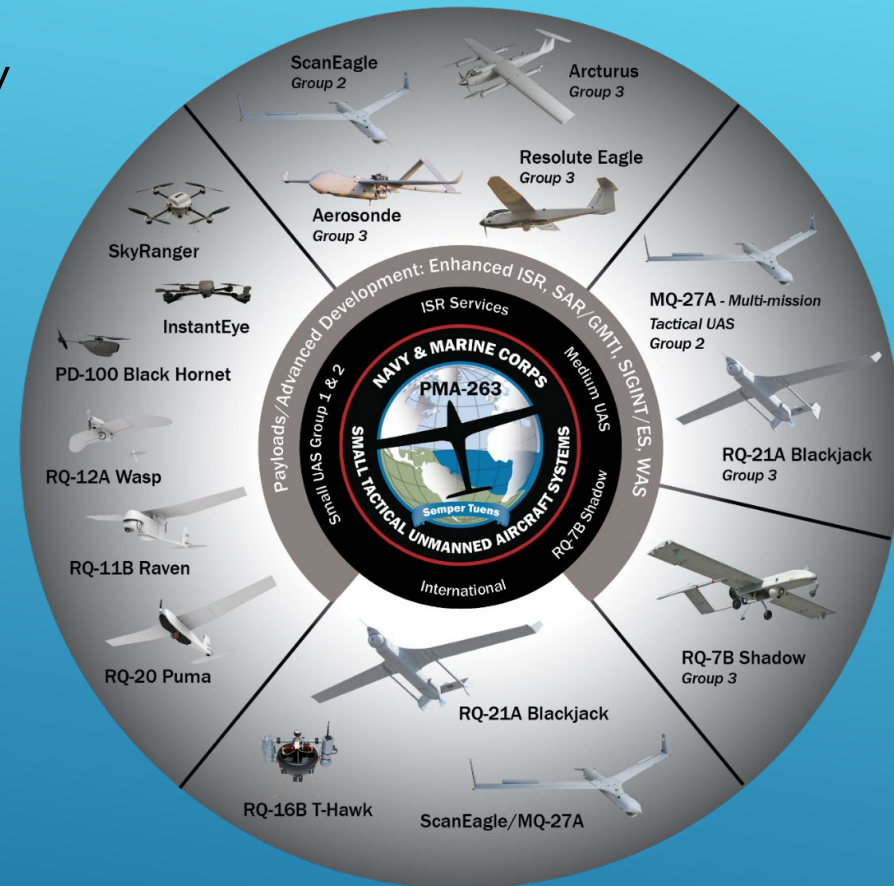
Insitu – RQ-21A Blackjack and MQ-27A MTUAS

MUAS – what industry needs to know

- ▶ Unmanned Logistics System-Airborne (ULS-A) on the horizon
- ▶ Market research stage for Marine Corps – looking at small, medium, large
- ▶ Marine Corps is finalizing its requirements for MUAS

Advanced Development

- ▶ Focus on S&T, payloads, new technologies
- ▶ Payloads in development
 - TIPS/maven/minotaur
 - Signals intelligence
 - Radar payload
- ▶ PEO Industry Days is key engagement



Cyber Security

- ▶ Recent SECDEF memo affected SUAS operations
- ▶ PMA-263 working together with several NAVAIR organizations and AIRWorks to develop baseline security controls



Questions?

POCs

The Patuxent Partnership

Bonnie Green, Executive Director

bonnie.green@paxpartnership.org

NAVAIR Small Business Office

Ken Carkhuff | kenneth.carkhuff@navy.mil

Innovation and Modernization PAX (IMPAX)

Glenn Ritchie | glenn.ritchie@navy.mil

Paul Hood | paul.hood@navy.mil

