Navy & Marine Corps
Small Tactical Unmanned Aircraft Systems

PMA-263

Col John Neville, USMC
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Distribution Statement A: Cleared for public release, NAVAIR 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

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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)

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?

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