

NDIA

NDIA PATUXENT RIVER SPEAKER SERIES

FEATURING COLONEL JOHN NEVILLE, USMC



October 17, 2018

River's Edge Catering & Conference Center

Patuxent River, MD

[NDIA.org/PaxRiverOct18](https://ndia.org/PaxRiverOct18)

AGENDA

WEDNESDAY, OCTOBER 17

11:00 am – 1:00 pm **REGISTRATION**
BALLROOM 3 FOYER

11:00 – 11:45 am **NETWORKING LUNCHEON**

11:45 am – 12:00 pm **WELCOME REMARKS**
LtCol Ken Loy, USMC (Ret)
CEO, Hensoldt, Inc.
NDIA Program Chair

12:00 – 12:30 pm **KEYNOTE ADDRESS**
Col John Neville, USMC
Program Manager, Navy and Marine Corps Small Tactical
Unmanned Aircraft Systems Program Office

12:30 – 1:00 pm **QUESTIONS & ANSWERS**

1:00 pm **ADJOURNMENT**

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

BIOGRAPHY



COLONEL JOHN NEVILLE, USMC

Program Manager, Navy and Marine Corps Small Tactical Unmanned Aircraft Systems Program Office
United States Marine Corps

Col. John Neville is the program manager for the Navy and Marine Corps Small Tactical Unmanned Aircraft Systems Program Office (PMA-263), headquartered in Naval Air Station Patuxent River, Maryland.

Neville, a native of Pompano Beach, Florida, graduated from the University of Florida in 1991 with a Bachelor's degree in architecture and graduate study in architectural acoustics. He is also a graduate of the U.S. Naval Test Pilot School (USNTPS), Class 127.

Commissioned a Second Lieutenant in the United States Marine Corps in 1993 at Quantico, he started his career as a platoon commander with Third Battalion, First Marines (3/1), specializing in heliborne operations, and deployed with the 13th Marine Expeditionary Unit (MEU) Special Operations Capable (SOC) for Operation United Shield and the United Nations in Somalia II withdrawal of forces. Subsequent infantry assignments included Combined Anti-Armor Team platoon commander and executive officer for Weapons Company, 3/1, during which he was selected for naval aviation training through the Aviator Fleet Accession Program.

Upon completion of flight training, he served as an AH-1W SuperCobra pilot with Marine Light Attack Helicopter Squadron (HML/A) 169 from 1996-2002. He deployed as part of the 31st MEU(SOC) participating in Operation Restore Hope followed by subsequent deployments to Okinawa and Guam. From 2002-2004, he served as an AH-1W flight instructor and Aircraft Maintenance Officer with HMLA/T-303, during which he was selected for test pilot training at USNTPS.

Graduating from USNTPS in June 2005, Neville was assigned to Air Test and Evaluation Squadron (HX) 21 as a test pilot for the H-1 Upgrades Program, then later served as the operations officer and executive officer from 2006-2009. During this tour, he was selected for Marine Corps Acquisition Professional Military Occupational Specialty.

His acquisition tours include: deputy program manager for RQ-21A Blackjack at Navy and Marine Corps Small Tactical Unmanned Aircraft Systems Program Office (PMA-263); chief test pilot and commanding officer of HX-21; H-1 Air Vehicle lead for PMA-276; and CH-53K deputy program manager for PMA-261.

Neville has accrued over 2,500 operational and test flight hours in 25 different type/model/series fixed-wing and rotary-wing aircraft. His personal decorations include Meritorious Service Medals, the Navy and Marine Corps Achievement Medal, Combat Action Ribbon, and various campaign and service awards.

SAVE THE DATE



AIRCRAFT SURVIVABILITY SYMPOSIUM 2018

This SECRET/NOFORN symposium is the forum for discussion of survivability technologies, sustainment and operations, threats and counter measures in a classified environment. An optional day of tutorials is followed by two days of keynotes, technical briefs and poster presentations. New this year - join fellow symposium attendees for A Taste of Monterey on the beautiful Monterey waterfront, to celebrate the 2018 Combat Survivability Division award recipients.

November 6 - 8

Naval Postgraduate School

Monterey, CA

NDIA.org/Aircraft18



Navy & Marine Corps Small Tactical Unmanned Aircraft Systems

PMA-263

Col John Neville, USMC

NDIA Luncheon

Oct. 17, 2018



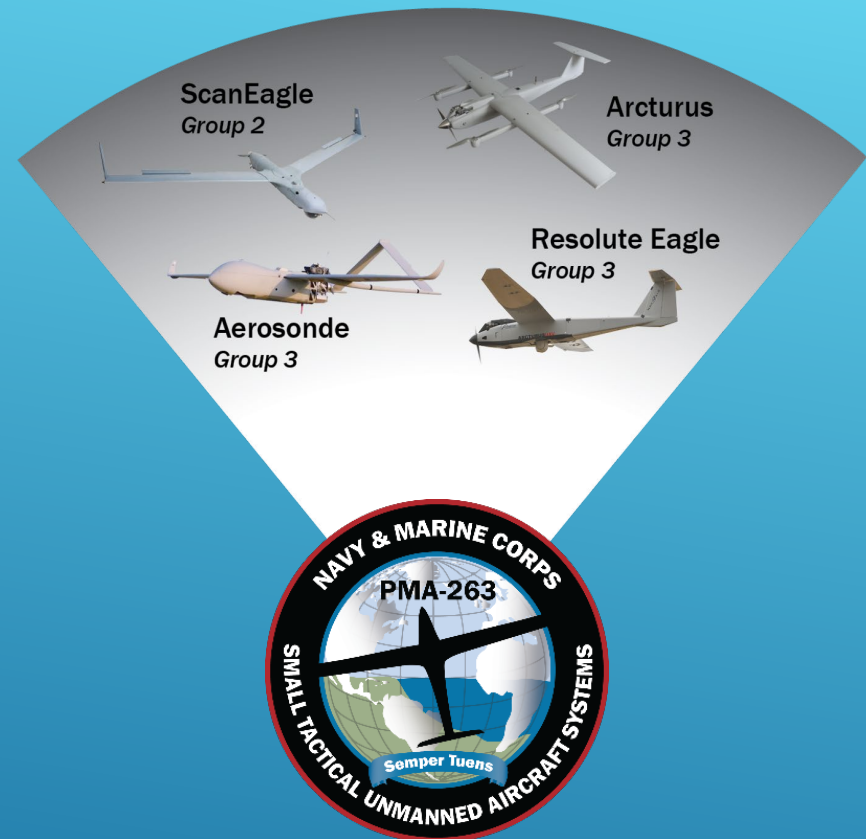
Who are we?

- ▶ 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

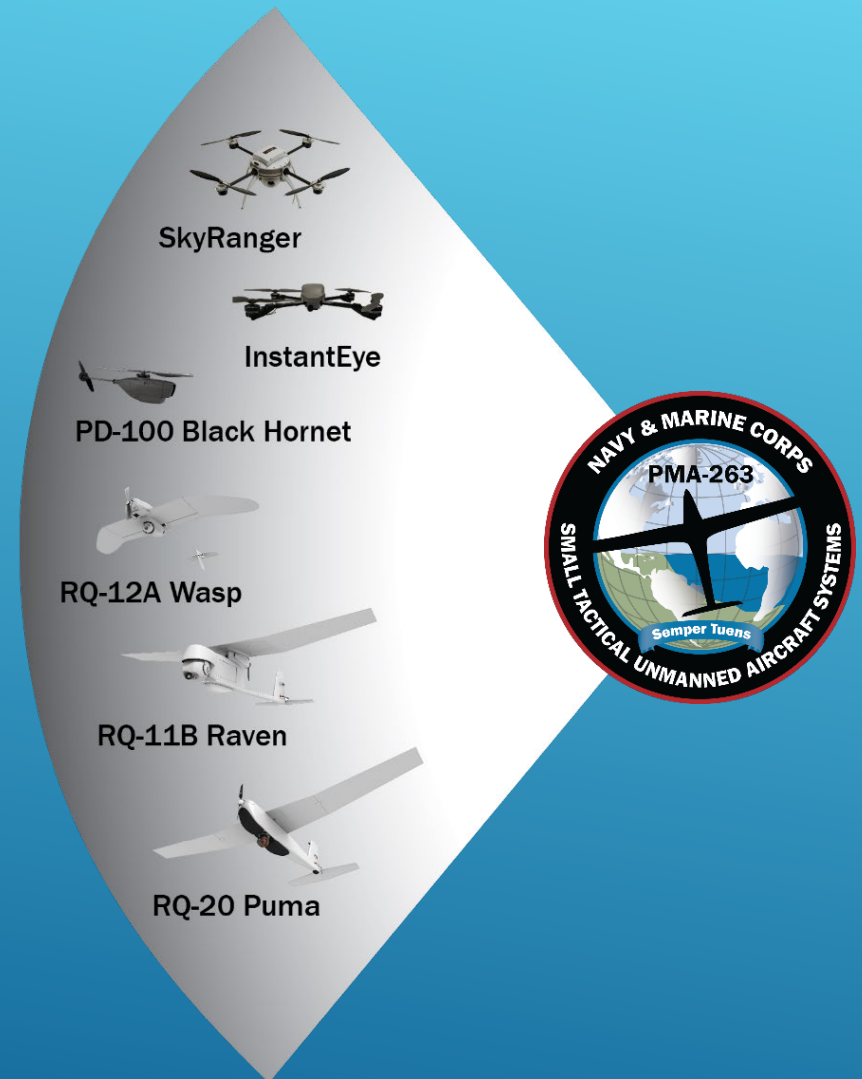


Small UAS

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

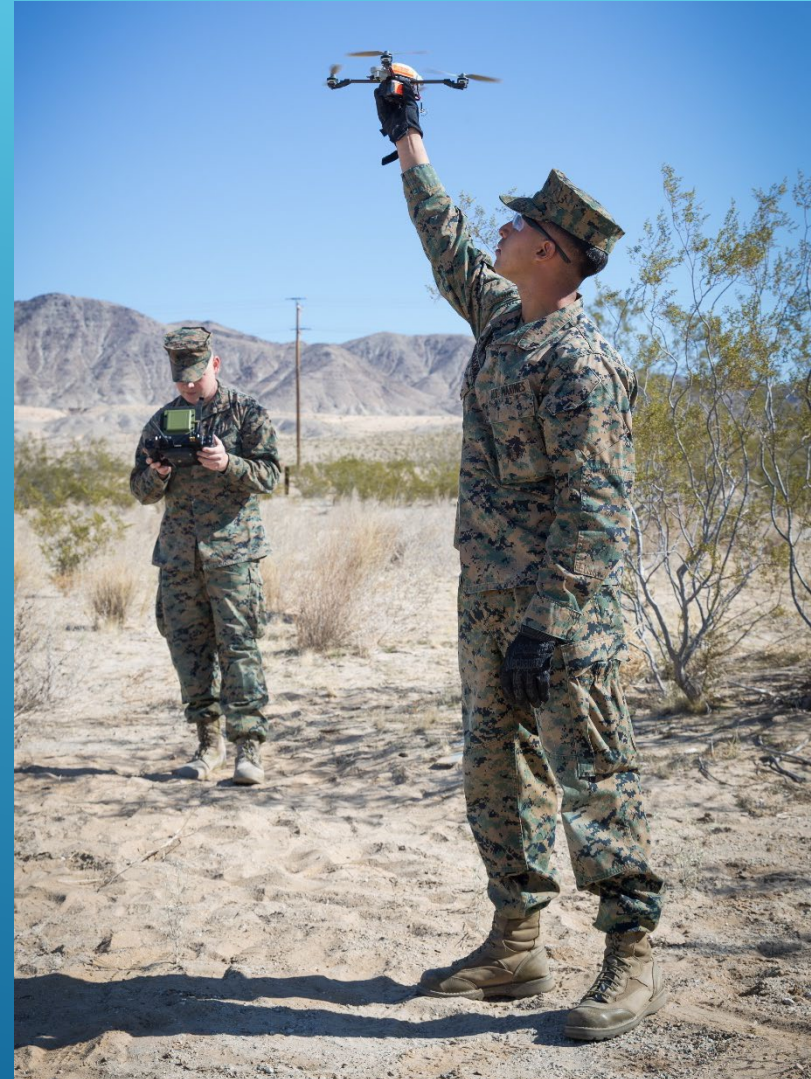
OEMs

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



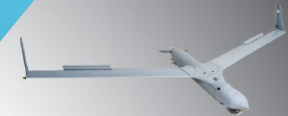
SUAS – what industry needs to know

- ▶ 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

