Expeditionary Maritime Aviation – Advanced Development Team
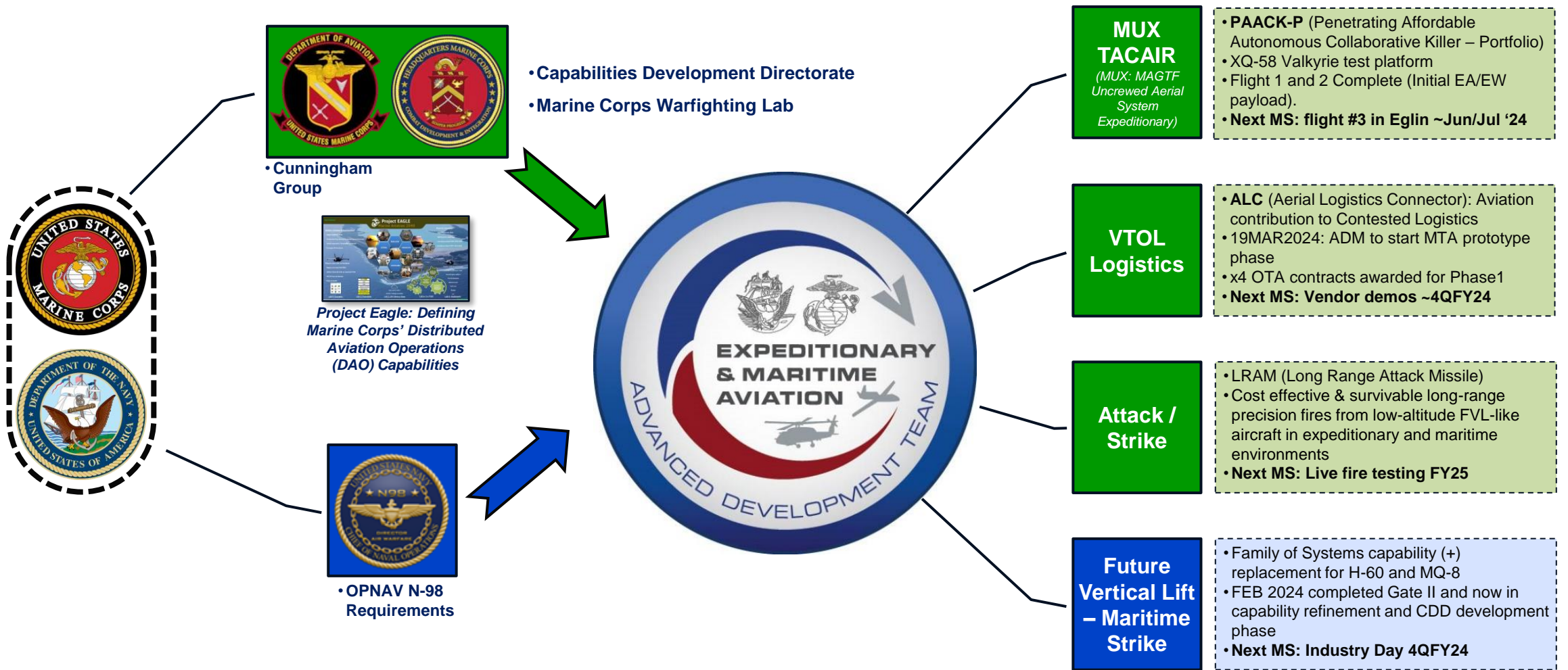
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XMA-ADT

Expeditionary and Maritime Aviation - Advanced Development Team (XMA-ADT)

- **Capabilities Development Directorate**
- **Marine Corps Warfighting Lab**

- Cunningham Group

Project Eagle: Defining Marine Corps' Distributed Aviation Operations (DAO) Capabilities

- **OPNAV N-98 Requirements**

MUX TACAIR
(MUX: MAGTF Uncrewed Aerial System Expeditionary)

- **PAACK-P** (Penetrating Affordable Autonomous Collaborative Killer – Portfolio)
- XQ-58 Valkyrie test platform
- Flight 1 and 2 Complete (Initial EA/EW payload).
- **Next MS: flight #3 in Eglin ~Jun/Jul '24**

VTOL Logistics

- **ALC** (Aerial Logistics Connector): Aviation contribution to Contested Logistics
- 19MAR2024: ADM to start MTA prototype phase
- x4 OTA contracts awarded for Phase1
- **Next MS: Vendor demos ~4QFY24**

Attack / Strike

- LRAM (Long Range Attack Missile)
- Cost effective & survivable long-range precision fires from low-altitude FVL-like aircraft in expeditionary and maritime environments
- **Next MS: Live fire testing FY25**

Future Vertical Lift – Maritime Strike

- Family of Systems capability (+) replacement for H-60 and MQ-8
- FEB 2024 completed Gate II and now in capability refinement and CDD development phase
- **Next MS: Industry Day 4QFY24**

XMA-ADT: Enabling informed and coordinated capability transitions across USMC Aviation and USN Future Vertical Lift portfolios in support of Force Design and Distributed Maritime Operations

Industry Week

- ## Consolidated Engagement with Industry
  - Minimize "one offs" and maximize audience
- ## Broad Audience
  - MCWL
  - CD&I
  - TCG
  - ADT
- ## Broad Scope
  - Air vehicle, Avionics, Data Analytics, etc.
  - "Anything that can increase the capability of Marine Corps Aviation"
- ## Quarterly
  - March 2024 kickoff

March 2024 Briefers

- *AAR Corp*
- *AFSI*
- *Anduril*
- *Aurora*
- *AVX*
- *Beehive*
- *Bell*
- *Boeing*
- *DZYNE*
- *Elroy Air*
- *Fuse Integration*
- *GA*
- *GE*
- *Griffon*

- *Karem*
- *KTS*
- *L3Harris*
- *Leonardo*
- *Mercury Systems*
- *NGAS*
- *NGC*
- *NGMS*
- *Orb Aero*
- *Owl Cyber*
- *Palantir*
- *Parry Labs*
- *Persistent Systems*

- *Pratt*
- *Reaction Engines*
- *redriver*
- *shift5*
- *Sikorsky*
- *SNC*
- *SSCI*
- *Swarm*
- *Teledyne*
- *TheINCLab*
- *Transcend*
- *Verdego*