

PMA-276



**USMC Light/Attack
Helicopter Program
(PMA-276)**

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Program Manager

Controlled By: Department of the Navy
NAVAIRSYSCOM: PEO (A); PMA-276
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POC: PMA-276 Operations



H-1 MARINE LIGHT/ATTACK HELICOPTER PROGRAMS OFFICE



- Marine Light Attack Helicopters (HMLA) is the most cost-efficient aviation investment opportunity for the service in a high-end fight.
- Highly reliable and risk worthy tool providing unmatched utility for the Marine Air Ground Task Force (MAGTF), HMLA detachments will be employed as full contributors and participants in joint and combined kill webs.
- Through modernization, HMLA will continue to narrow gaps for the service in low altitude attack, strike, and utility to affect a seamless transition to the purpose-built H-1 replacement platform.



PM Highlights

- Program of Record (POR): 349 Aircraft
189 AH-1Z / 160 UH-1Y
- (5) Active Duty / (2) Reserve Squadrons
/ 6th Active Duty activation 7 July 2024
- Last domestic production aircraft
delivered November 22; Foreign Military
Sales (FMS) production continues
- Modernizing: interoperability /
survivability / lethality
- Enhanced Expeditionary Deployability
- Developing FMS opportunities to
maintain industrial base and lower cost



H-1 Sustainment / FMS

- Sustainment:
 - Enable H-1 to move capability and capacity close to the flight line, which will reduce maintenance man-hours, Aviation Depot Level Repairable (AVDLR), and Cost per Flight Hour
 - Work with Light Attack Aircraft Management Program (LAAMP) stakeholders to ensure dynamic and accurate inventory control throughout the life of the H-1 Program
- FMS:
 - Signed: Bahrain (12 AH-1Z)
 - Signed: Czech Republic (8 UH-1Y / 4 AH-1Z)
 - Signed: Nigeria (12 AH-1Z) (new build)

H-1 Capability Milestones

Accomplishments

- ✓ AGM-179 Joint Air-to-Ground Missile (JAGM) initial operational capability (IOC)
- ✓ Distributed Aperture Infrared Countermeasure System (DAIRCM) Joint Urgent Operational Needs Statement (JUONS)

On-going Modernization Efforts

- Digital interoperability (Link 16, Full Motion Video (FMV))
- Survivability improvements
- Beyond Line of Sight (BLOS) communications upgrades

Future Modernization Priorities

- Structural Improvement & Electrical Power Upgrade (SIEPU)
- Survivability (APR-39D(V)2, DAIRCM POR)
- Lethality (AIM-9X, IT-2, Long-Range Attack Munition (LRAM))



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- Fielding strategy *aligns with Vertical Take Off and Landing (VTOL) Family of Systems (FOS) roadmap, accelerates delivery of essential capabilities, and enables decision space* necessary for Project Eagle decision points

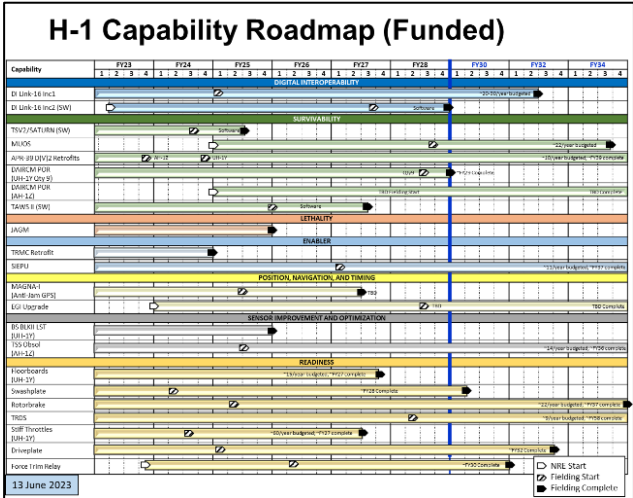
Enduring Challenges

1. Long Range Precision Fires
2. Persistence
3. Contested Logistics
4. Sustainment
5. Mobility & Maneuver
6. Digital Interoperability
7. Force Modernization & Transitions



POM-26 Key Operational Problems

1. Diversify Distribution & Preposition Resilient Sustainment
2. Seize & Hold Key Maritime Terrain
3. Conduct Multi-Domain Reconnaissance
4. Enable Joint & Combined C2 / Kill Webs
5. Forward Deployed Sea-Based Expeditionary Forces
6. Fight from our Bases & Stations / Critical Infrastructure
7. Employ Counter Reconnaissance / Deception
8. Integrate Intelligent Robotics & Autonomous Systems



Project Eagle alignment

Series Fielding

Appetite
Suppression,
Accelerate Fielding

VTOL FOS Roadmap

Series A

Joint Kill Web Enabler
Persistent within the Weapons
Engagement Zone (WEZ)
Long Range Fires
VTOL FOS Risk Reduction
FY26 - FY30

Preserve Project Eagle
decision space for VTOL
FOS Fires Line of Effort
(LOE)

Series B

FY31 - FY35

Prototyping

Sustain through
transition OR
extension

Series C

FY36 - FY40

IOC

2040

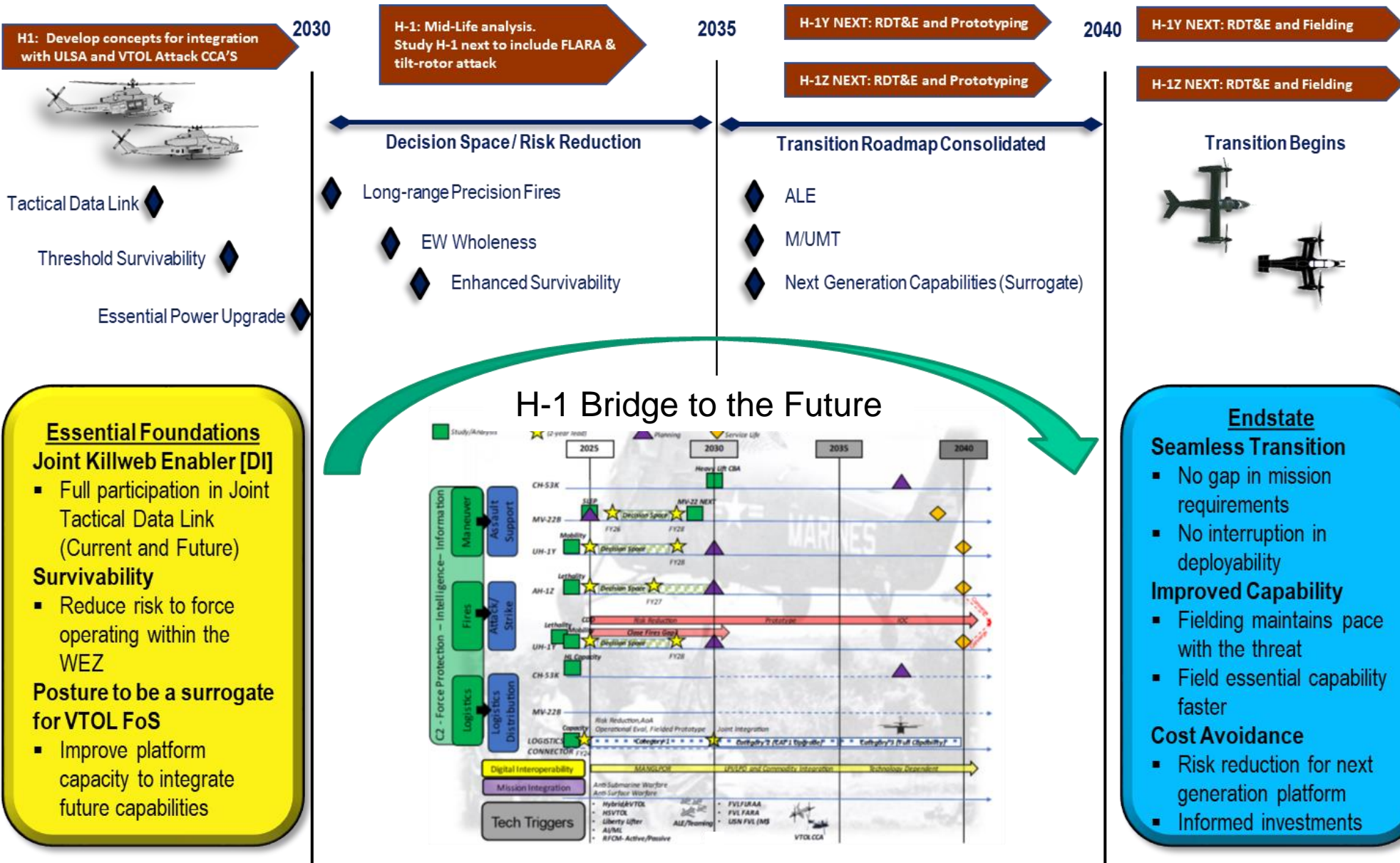
VTOL Fires & Maneuver

FIELDING

Continuity & Risk Reduction



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- H-1 program, through fully-informed analysis of the operating environment in the 2030s and Project Eagle strategic vision has focused the modernization roadmap with a transition framework to the H-1 replacement platform no later than 2040.

Digital Interoperability / Communication

Endstate: Redundant means of integration into Combined Joint All Domain Command and Control (CJADC2) with agility to maintain pace with Tactical Data Link modernization.

Survivability

Endstate: Persist as a Stand in Force (SiF) unit in competition and conflict with mitigated Risk to Force.

Lethality

Endstate: Kill web contributor capable of providing kinetic and non-kinetic payloads to disrupt or destroy enemy ground, air (inclusive of Small Unmanned Aircraft System (sUAS)), and surface targets.

Enhance Expeditionary Deployability

Endstate: HMLA units can sustain for longer durations from austere sites with a smaller footprint and informed logistics support structure in Distributed Aviation Operation (DAO).

Service Results

- ◆ Narrow current service gaps
- ◆ Provide service decision space through the 3x Future Years Defense Program (FYDP) modernization
- ◆ Risk reduction in transition to H-1 replacement platform

Operational Results

- ◆ Support distributed MLR operations
- ◆ Protect aerial and surface logistics connectors
- ◆ C2 node extension and kill web contributors

Adversary Effects

- ◆ Adversary risk recalculation
- ◆ Restrict adversary freedom of maneuver
- ◆ Complicate adversary targeting decision making



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Questions?