

H-1 MARINE LIGHT/ATTACK HELICOPTER PROGRAMS OFFICE

PMA-276



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

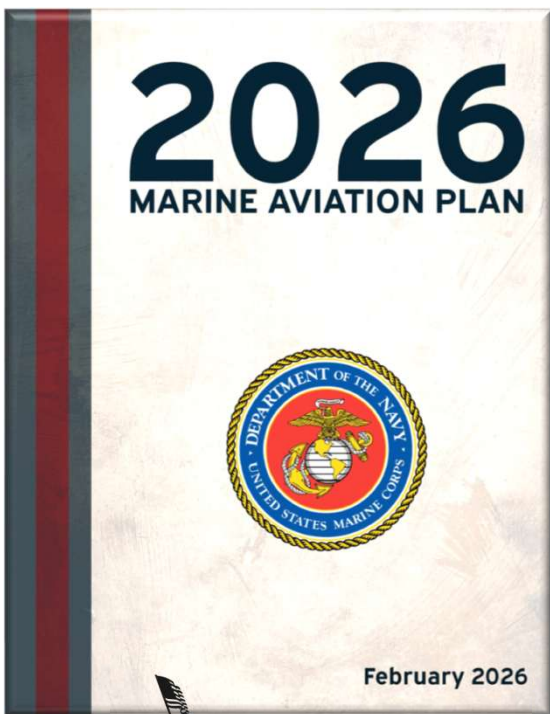
**Col Jason T. Duke
"Dookie"**



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250 years of Fighting Forward supported by 60 years of H-1s

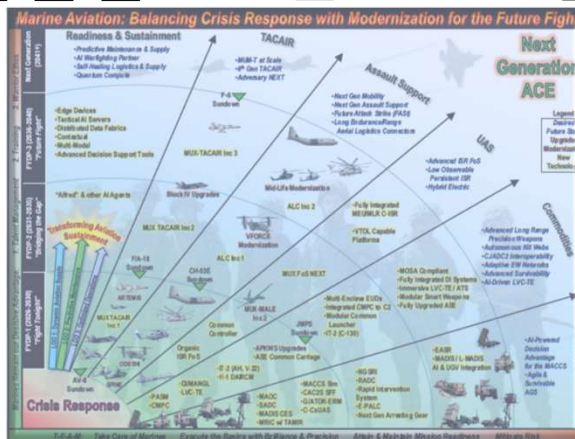
Balancing Crisis Response with Modernization for another 25



H-1 MID-LIFE MODERNIZATION

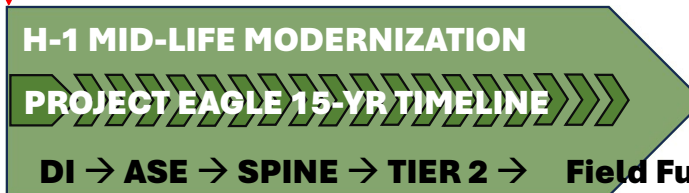
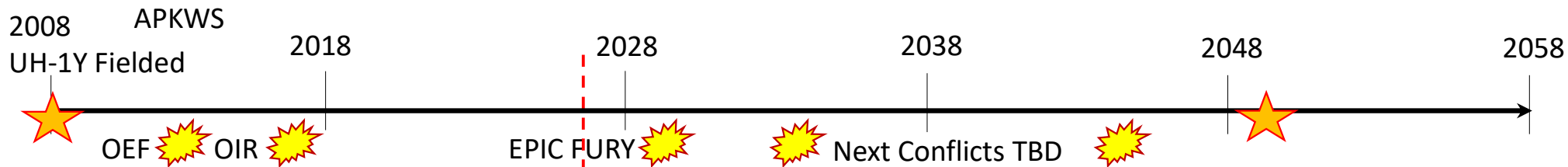


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DI → ASE → SPINE → TIER 2 → Field Future Attack Strike (FASt)

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- *1969 – AH-1G fielded
- *1971 – AH-1J fielded
- *1977 – AH-1T fielded

Hellfire; AIM-9L, TOW
1986

AH-1W Fielded

1996

ASE
Upgrades

2006

APKWS
NTSU

2016

2020

Viet Nam War

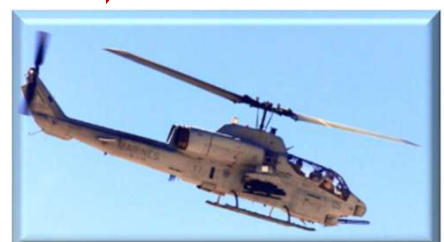


Gulf War



OEF – OIF – GWOT

OIR



2011
APKWS
AH-1Z Fielded

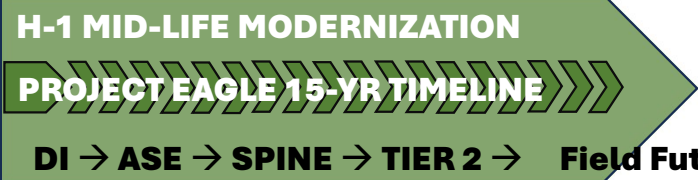
OEF OIR

2021



2031

EPIC FURY



2041

Next Conflicts TBD

2051



2061

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H-1 Mid-Life Modernization is a Bridge to the Future

- **A wholistic approach aligned with National, CMC, DCA Guidance and Project Eagle**
 - "Balancing Crisis Response and Modernization" – CMC Planning Guidance
 - Enhanced Lethality - C-Maritime / C-UAS and Long Range Precision Fires (LRPF)
 - Resilient Platforms and Kill Webs - Digital Interoperability and Survivability
 - Contested Environment Operations – Rapidly fielding to support Stand-In Force

- **H-1 Mid-Life Modernization is fully aligned with H-1 Top 3 Priorities**

1. Lethality: Structural and Power Improvements for Next-gen Effects (SPINE)
2. Digital Interoperability: LINK-16 baseline with BLOS solutions downrange
3. Survivability: Theater criteria for joint force operations
 - APR-39 DV2 / DAIRCM / Common Carriage

- **SPINE is the backbone of H-1 Modernization**

- Lethality - Essential for maximizing H-1s current and future capabilities, including Long Range Precision fires, C-UAS, and C-Maritime.
- Provides critical excess power and a platform for FASt technology maturation and risk reduction.

FY26 – Every MEU Deployment Link-16 Capable
FY31 - Every H-1 Deployment equipped fully with all Modernization Initiatives.

FY32 – TIER 1 Current GFM requirements only can be sustained with significant risk to fleet readiness

FY34 – TIER 2 – All active duty squadrons fully equipped

FY35 – TIER 3 – Reserve squadrons and BAA fully equipped

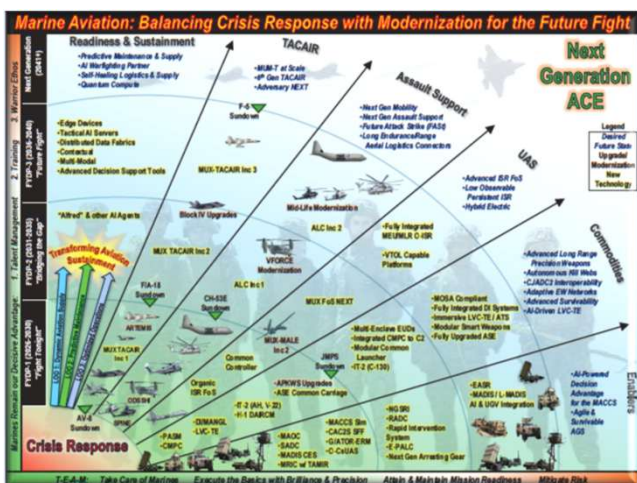
Warfighting Capability Fielding Tiers

- T1** Tier 1: 108 [60 AH-1 / 48 UH-1]
 - 12 of 18 HMLA AD UOE
- T2** Tier 2: 173 [96 AH-1 / 77 UH-1]
 - All HMLA AD UOE + 11 BAA
- T3** Tier 3: 224 [125 AH-1 / 99 UH-1]
 - All HMLA AD & Reserve + 17 BAA
- T4** Tier 4: 313 [TOAI]



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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 in the 2040s.



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.

Survivability Endstate:

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

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.

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?

