



PROGRAM EXECUTIVE OFFICE



AVIATION

AVIATION

PEO Aviation Overview

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Chief of Staff, PEO Aviation

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Program Executive Office, Aviation



What We Do:

- *Centralized Life Cycle Management for All Assigned Army Aviation Programs*
- *Enhance Reliability, Deliver Capabilities, Safety, and interoperability*
- *Maintain Combat Overmatch thru Recapitalization & Modernization*

What We Manage:

- *Nine Project Offices*
- *Programs that Support the Army/Army Aviation*

The Magnitude:

- *\$31.2B over POM years FY 16-20*
- *FMS Total Case Value — \$32.4B*
- *219 FMS Cases — 46 Countries*
- *NSRWA Executed ~\$364M in FY15*



Stakeholders

AMCOM, AMRDEC, ACC, TRADOC, DCMA, USASAC, HQDA, Joint/OSD, Industry Partners, Aviation Formations

Managing

Total FY16 Resources:
~\$7.3B
(Base & Wartime Funding)

To

Support the Soldier

Mission: PEO Aviation, in collaboration with stakeholders, delivers capabilities, focused on Army material requirements and life-cycle solutions.





Army Aviation OPTEMPO



Army Fleet in Operation
Inherent Resolve
~4,100,000 Total Hours

01 FEB 03 – 15 OCT 15

~7,200,000
Total Flight Hours

Army Fleet in Operation
Freedom Sentinel
~3,000,000 Total Hours

01 FEB 03 – 15 OCT 15

AH-64

~630,000 Hours



CH-47

~180,000 Hours



AH-64

~510,000 Hours



CH-47

~270,000 Hours



UH-60

~1,000,000 Hours



OH-58

~610,000 Hours



UH-60

~670,000 Hours



OH-58

~340,000 Hours



Fixed Wing

~240,000 Hours



UAS

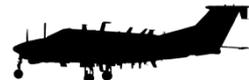
Shadow
Hunter
Gray Eagle/Warrior
Raven

UAS Total: ~1,300,000 Hours



Fixed Wing

~210,000 Hours



UAS

Shadow
Hunter
Gray Eagle
Raven
Warrior
Puma

UAS Total: ~900,000 Hours



*SOF included in Total Flight Hours





PEO Aviation Organization



PEO
BG Bob Marion



DPEO
Mr. Ross Guckert



PD ASH
LTC JB Worley

- Kiowa Warrior



Chief of Staff
COL Brian Tachias



APEO, Business Mgmt
Mr. John Mull



APEO, Administration
Ms. Marsha Jeffers



PM AS
COL Matt Hannah

- AGSE
- ANMP
- AME
- ATC
- DVE



PM AAH
COL Jeff Hager

- Development & Modernization
- Production & Fielding
- Sensors




PM UH
COL Billy Jackson

- UH-60V
- UH-60 M
- Common Engine
- UH-72A



PM ITE/FVL
Mr. Rich Kretzschmar

- Improved Turbine Engine
- Future Vertical Lift



APEO, Eng & Tech
Mr. Ray Sellers



APEO, Acq & Sys Mgmt
COL Phil Deaton



APEO, Special Projects
COL Karl Stahlecker



PM UAS
COL Courtney Cote

- Shadow
- Gray Eagle 0/1
- Sky Warrior A
- Hunter
- Puma
- Raven
- GBSAA
- UGCS
- OSRVT



PM CH
COL Robert Barrie

- CH-47F
- CH-47 Modernization



APEO, IMO
Mr. Terry Carlson



APEO, FMS (Intl.)
Mr. Rod Bellows



APEO, Security
Mr. Dave Sainsbury



PM FW
COL Steve Clark

- RC-12
- QRC
- C-12
- C-23
- C-26
- EO-5
- UC-35
- MC-12
- C-20
- C-37
- C-27
- UV-18



PD NSRWA
COL James Kennedy

- Mi-17
- AH-1F
- AW-139
- Huey II
- IA 407
- UH-1H
- AH-6i
- Bell 412
- MD 530F
- MD 500E
- MD 600N





PEO Aviation Programs



PEO Aviation

PM Apache
3 ACAT I

AH-64E REMAN - ACAT IC

AH-64E NEW BUILD - ACAT IC

Longbow Apache AH-64D - ACAT IC

PM ASH

OH-58F Kiowa Warrior Cockpit and Sensor Upgrade Program (CASUP) - Terminated

TH-67 New Training Helicopter - Terminated

OH-58A/C Kiowa - Terminated

OH-58D Kiowa Warrior - Terminated

PM Cargo Hel
3 ACAT I

CH-47F Block II - ACAT IC

CH-47F - ACAT IC

CH-47D Helicopter - ACAT IC

PM Utility Hel
3 ACAT I
1 ACAT II

UH-60M - ACAT IC

UH-72A - ACAT IC

H-60V (formerly L-Digital) - ACAT II

UH-60A/A/L RECAP - ACAT IC

PM UAS
2 ACAT I
2 ACAT III

MQ-1C UAS Gray Eagle - ACAT IC

RQ-7B UAS Shadow - ACAT IC

RAVEN UAS - ACAT III

One System Remote Video Terminal (OSRVT) - ACAT III

PM Fixed Wing
3 ACAT II
16 ACAT III

ARL - ACAT II

C-12 - ACAT III

C-20 - ACAT III

C-26 - ACAT III

C-31 - ACAT III

C-31A - ACAT III

C-37 - ACAT III

C-208 - ACAT III

CE-182 - ACAT III

DA-40 - ACAT III

Enhanced Medium Altitude Reconnaissance & Surveillance System - ACAT II

FW Utility Aircraft - ACAT II

Guardrail Common Sensor - RC-12D/H/K/N/X - ACAT III

Gulfstream III - ACAT III

Lear Jet 35 - ACAT III

Lear Jet 36A - ACAT III

SA227 - ACAT III

UC-35 - ACAT III

UV-18 - ACAT III

PM Aviation Systems
4 ACAT II
29 ACAT III

A92 Shop Set - ACAT III

Aircraft Notebook - ACAT III

AN/ARC-220 - ACAT III

Army Tactical Communications System - ACAT II

Automatic Dependent Surveillance - Broadcast - ACAT III

Aviation Data Exploitation Capability - ACAT III

Aviation Ground Power Unit - ACAT III

Aviation Intermediate Maintenance Shop Set - ACAT III

Aviation Light Utility Mobile Maintenance Cart - ACAT III

Aviation Mission Planning System - ACAT II

Aviation Vibration Analyzer - ACAT III

Battle Damage Assessment Repair - ACAT III

Common Aviation Tool Set - ACAT III

Degraded Visual Environment/ Brown Out Rotorcraft Enhancement System - ACAT II

Digital Aircraft Weight Scale - ACAT III

Doppler GPS Navigation Set - ACAT III

Fixed Base Precision Approach Radar - ACAT III

Flexible Engine Diagnostic System - ACAT III

Fuel Quantity Test Set - ACAT III

Generic Aircraft Nitrogen Generator - ACAT III

Improved Data Modem - ACAT II

Mobile Tower System - ACAT III

New Aviation Tool Set II - ACAT III

Non-Destructive Test Equipment - ACAT III

Pitot Static Test Set - ACAT III

Rail Trailers - ACAT III

Self-Propelled Crane Aircraft Maintenance and Positioning Inc II - ACAT III

Shop Equipment Contact Maintenance - ACAT III

Standard Aircraft Towing System - ACAT III

Tactical Airspace Integration System - ACAT III

Tactical Terminal Control System - ACAT III

Unit Maintenance Aerial Recovery Kit - ACAT III

PM ITE/FVL (PROV)
1 ACAT I

Improved Turbine Engine Program (ITEP) - ACAT IC

PM NS
1 Special Interest ID

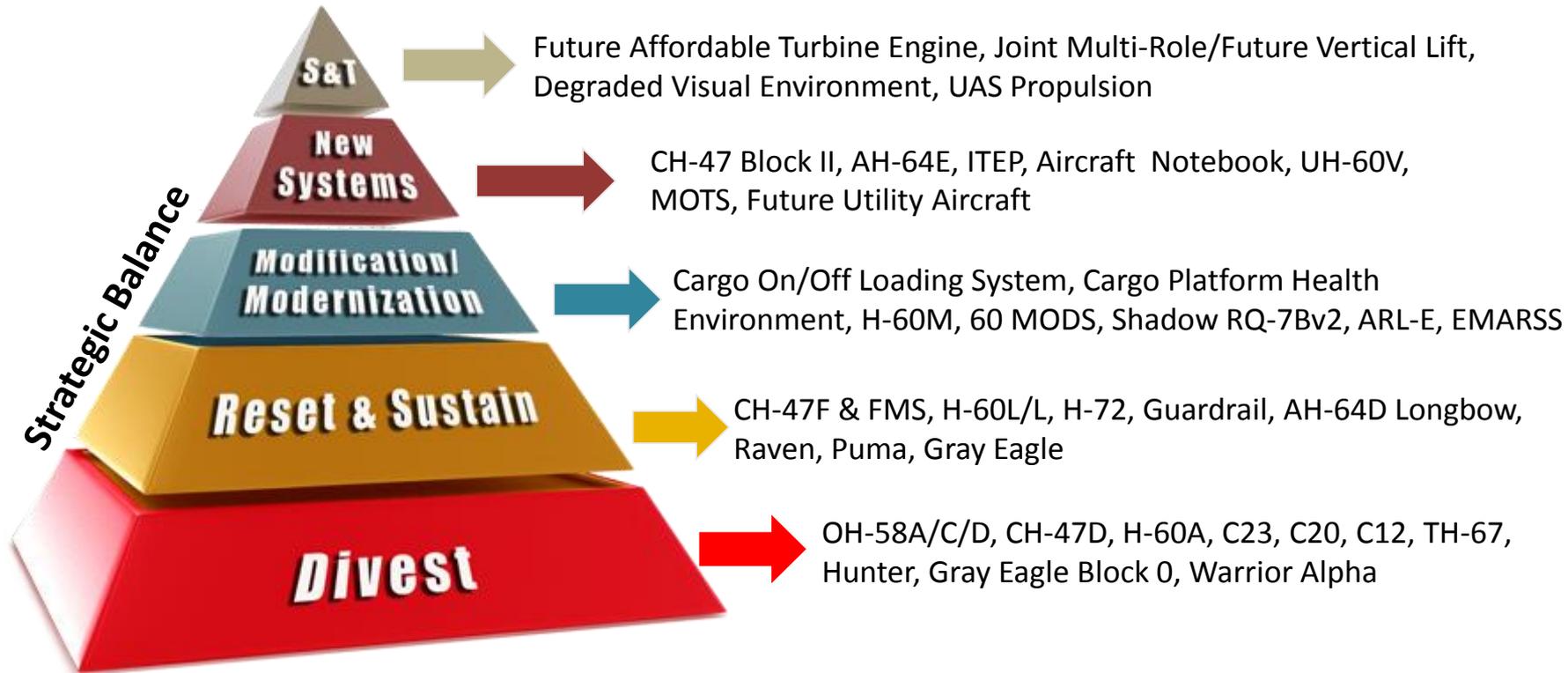
Non-Standard Rotary Wing Aircraft (NSRWA) - Special Interest ID



Life Cycle Management



- Leveraging multi-year procurement (Black Hawk, Chinook)
- Incorporate Better Buying Power initiatives (contracting, should-cost, competition)





What is Future Vertical Lift?

What is FVL?

A Joint and Department initiative to address vertical lift capability requirements and determine feasible and affordable solutions in support of the Joint Warfighter beyond 2030.

Background

Congress 2009: → NDAA: "Outline a joint approach of the future development of vertical lift aircraft for all the military Services..."

SecDef 2009: → Response to Congress: AT&L to lead the development of a Capabilities Based Assessment

AT&L 2009: → ADM: "Lead the initiative to improve the long-term state of military vertical lift aircraft"...industry participation critical

DepSecDef 2012: → FVL Strategic Plan: "provides a foundation for replacing the current fleet with advanced capability by shaping the development of vertical lift aircraft for the next 25 to 40 years."

Joint Staff 2013: → FVL Family of Systems ICD: "New, more capable aircraft are required to fill the capability gaps identified in the FVL Capabilities Based Assessment (CBA). The parallel development of common systems and mission equipment in addition to platform development has the potential for significant increases in performance, efficiency and cost benefits across the FVL FoS."

Army designated as lead component in JROCM dated 10 April 2013

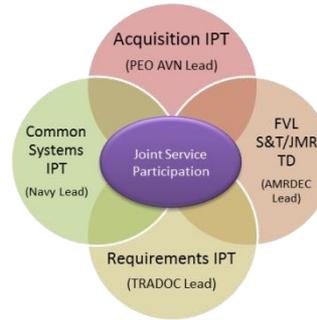


PEO AVN/FVL Established by PEO AVN May 2015

TCM/FVL Established by USAACE Aug 2015

Key Tenets

Integrated IPT Structure



Family of Systems Concept



Single Service Led Joint Participation



Informed by JMR-TD

Joint Multi-Role (JMR) Technology Demonstration (TD)

Air Vehicle Demo (AVD)



Mission Systems Architecture Demo (MSAD)



Formal Industry Participation





Potential Opportunities



- SETA Support
 - PM ITE/FVL Technical Task Order Competition FY16
 - PM UAS Logistics, Program Support and Technical Task Order Re-compete FY 16
 - PM Utility Logistics Re-compete 3QFY16
 - PM Utility Programmatic Re-compete 3QFY16
- Product Specific Competitions
 - Shadow Multiple Award IDIQ for Tech Support and Field Services - Industry Day 19 Nov, RFP 2QFY16
 - Transport Contractor Logistics Support (CLS) - RFP 2QFY16
 - SEMA Contractor Logistics Support (CLS) - RFP 2QFY16
 - NSRW – Multiple Award IDIQ Depot Level Repair Contract (WLSS-D)- Industry Day Jan 16, RFP 3QFY16
 - Future Utility Aircraft (FUA) - RFP 4QFY16
 - Improved Turbine Engine – PDR Contract Award 4QFY16
 - Degraded Visual Environment (DVE) – RFI 16 Nov 15, RFP 1QFY17
 - CH-47F BLK II – MS B 2QFY17
 - PM Utility UH-60V Cockpit and Electronics Production – RFP TBD FY17
 - PM Utility, Apache, Chinook FMS Cases - Ongoing
 - Integrated Aircraft Survivability Equipment - HOT TOPIC –Expect activity in this area
 - Future Airborne Capability Environment (FACE) Compliant Architectures and SW – Across all PMs,
 - Future Vertical Lift – Pre MS A Analysis Activities



Questions?

