Agenda

- Mission
- Achievements
- SOF Acquisition Team
- PEO Support
- SOF Rotary Wing Programs
- Way Ahead

Mission

Provide Acquisition Oversight Management For Rotary Wing Systems In USSOCOM. Support All Stakeholders In Rotary Wing Acquisition Processes To Provide Cutting Edge Capabilities To The SOF Community.

The Year In Review

SOF Acquisition Team Deliveries And Major Events:

- 22 A/MH-6 Block 2.0 Upgrades Completed And Returned To The 160th SOAR
- 14 UH-60M Aircraft Inducted Into The MH-60M SOFSA Production Line
- 6 MH-60Ms Fielded In Support Of Training
- 12 SIRFC Shipsets Delivered To The 160th SOAR
- Silent Knight Radar Started DT On The MH-47G Jan 12
- MH-60 Combat Mission Simulator L To M Conversion Completed Apr 12
- MH-47 Combat Mission Simulator E To G Upgrade Initiated Jan 12

SOF Acquisition Team

Equip The Soldiers Of The 160th SOAR(A) And The TSOCs With The Most Capable Rotary Wing Aircraft In The World

Facilitate Sustainment Of The Modified And/Or Unique Aircraft Provided To The 160th SOAR(A) And The TSOCs

ARSOAC
(Capability Manager)

PEO RW (USSOCOM)
(Program Oversight)

160th SOAR (A) – SIMO / TSOCs
(Users)

PM SKR / PM TAPO / PM STS / PM VUAS
(Materiel Developer)

ROTARY WING

PEO Key Focus Areas

- **Quality Equipment Fielded As Quickly As Possible**
  - **Aviation Warfighter Is The First Priority**
  - **Quality Is Better Than Quantity**
- **Single Point Of Contact Within USSOCOM**
  - **Provide Management Oversight**
  - **Provide Program And Financial SMEs**
- **Build/Foster Relationships**
  - **Within The SOF Community**
  - **Leverage Army Aviation**
  - **Liaison To Congress**
- **Future Of SOF Vertical Lift**
  - **Next Generation Aircraft**

RW Portfolio Summary

MOBILITY

A/MH-6
Light Attack/
Assault

Medium Assault
MH-60

Heavy
Assault
MH-47

Unmanned
Aerial System

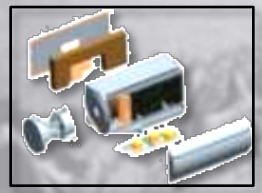
MISSION EQUIPMENT

Active Aircraft Survivability Equipment

Passive Aircraft Survivability Equipment

Avionics

Sensors



Silent Knight Radar

TRAINING SYSTEMS

A/MH-6M Little Bird

MH-47G CMS

MH-60L/M CMS

Aquatics Training Facility
(Dunker)

UNCLASSIFIED

SOF RW Capabilities

A/MH-6M MELB
Mission Enhanced Little Bird (MELB)
Light Attack/Assault
* 6 Combat Equipped Troops (Assault)
* Cruise Speed: 90 knots
* Max Gross Weight: 4,700 lbs
Rapidly Deployable
Shipboard Operations
Surgical Point Insertion
Aerial Reconnaissance
Close Air Support
Reconfigurable Armament (Attack)

MH-60M Blackhawk
Medium Assault
* 9 Combat Equipped Troops
* Cruise Speed: 140 knots
* Max Gross Weight: 24,500 lbs
* Ext Loads 9,000 lbs
Aerial Refuel Capable
Suppressive Fire Capability
Resupply
Advanced Aircraft Survivability Equipment

Defensive Armed Penetrator (DAP)
Reconfigurable Armament
Armed Escort & Close Air Support

* Configuration Dependant

MH-47G Chinook
Heavy Assault
* 44 Combat Equipped Troops
* Cruise Speed: 120 knots
* Max Gross Weight: 54,000 lbs
* Ext Loads:
25K lbs tandem & 26K lbs center hook
Aerial Refuel Capable
Suppressive Fire Capability
Resupply
Advanced Aircraft Survivability Equip

YMQ-18A Hummingbird
Unmanned Aerial System
Multi-role Missions (ISR/Re-Supply)
* Gross Weight : 5500 lbs
* Payload: 2500 lbs
* Range: 300 NM
* Endurance: 18.7 hrs w/300 lbs
12.1 hrs w/532 lbs
8.1 hrs w/1000 lbs
* Speed: 142 kts
* Ceiling : 20000 ft

A/MH-6M MELB

4,700 Pounds

- 6 Bladed Main Rotor System
- 4 Bladed Tail Rotor System
- MARK IV Rails
- FLIR A-Kit
- Improved Engine Inlet and Inlet Barrier Filter (IBF)
- WD-6 Digital Cockpit Management System (CMS)
- Crashworthy/ 0.50 Caliber Ballistic Main Fuel Tanks
- External Conformal Fuel Tanks
- Allison 250C-30R/3M w/ FADEC 600shp Transmsn/Drive Sys (30 min.)
- Cambered Vertical Fin
- Enlarged Aft Cargo Doors & Opening
- Improved Tail Stinger
- Lightweight AH and MH Plank Systems
- Fast Rope Release System (FRIES)
- 4700 lb Landing Gear

FADEC= Full Authority Digital Engine Control
FLIR= Forward Looking Infrared

MH-60M BLACKHAWK

24,500 Pounds

Wide Chord Blades

NEW Airframe and Dynamic Components

Active Vibration Control

2500 SHP YT706-GE-700 Engines

Electric External Rescue Hoist

Dual Digital Automatic Flight Control System

Multi-Mode Radar

Common Avionics Architecture System (CAAS) Cockpit

60 KVA Generator

AN/AVR-2B Laser Detecting Set

Aerial Refuel Probe

XM-216 Dark Flares

Common Missile Warning System (CMWS) w/Improved Countermeasures Dispenser

Suite of Integrated Radio Frequency Countermeasures (SIRFC)

AN/ZSQ-2 Advanced Electro-Optic Sensor System (EOSS FLIR)

WHITE = Army Provided

RED = SOF Provided

YELLOW = SOF Driven-Tested / Army-Adopted

UNCLASSIFIED

MH-47G CHINOOK

54,000 Pounds

Enhanced Air Transportability Pylons

Common Avionics Architecture System (CAAS) Cockpit

Suite of Integrated Radio Frequency Countermeasures (SIRFC)

Standardized Engines (T55-GA-714A)

AN/AVR-2B Laser Detection System

Standard Aircraft Max Gross Wt (54,000 lbs)

Multi-Mode Radar (MMR)

New Electro-Optical Sensor System (EOSS FLIR)

Infrared Exhaust Suppressors (IES-47)

Rescue Hoist

Aerial Refuel Probe

XM-216 Dark Flares

New-Build Nose/Cockpit Structure

Expanded Left-forward Gunner's Window

Common Missile Warning System (CMWS) w/ Improved Countermeasures Dispenser

Standardized Extended Range (Fat Tank) Configuration

Improved Bilge Paint & Corrosion Protection

Rebuilt Airframe Structure (New Elect. Wires/ Hydraulic Lines)

Component Recapitalization

WHITE = Army Provided

RED = SOF Unique

YELLOW = SOF Driven-Tested / Army-Adopted

UNCLASSIFIED

Combat Mission Simulators

MH-47E CMS


A/MH-6M Little Bird


MH-47G CMS


"SimAuthor"
Flight Data Analysis And Visualization

Battle Staff Training System

"CAAS" Desktop Trainers

"SOF TEAMS"

MH-60K CMS


Direct Support Maintenance

Aquatics Training Facility (Dunker)

MH-60M CMS


ROTARY WING

Way Ahead

Planning for the next five years:

- Complete MH-60M Fielding
- Complete MH-47G Plus 8 Production and Delivery
- MH-47 2.3 Block Upgrade
- A/MH-6 3.0 Block Upgrade
- Hostile Fire Indicating System (HFIS)
- Secure Real-Time Video (SRTV)
- Upgrade Legacy Simulators
- Upgrade Legacy Multi-Mode Radar (SKR)
- Upgrade FLIR Sensors (Q2 and Q3V2)
- Research Technology for Degraded Visual Environment (DVE)

Questions?