

## SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

## MOBILITY

### **ROTARY WING**



# SOA AIRCRAFT AND MISSIONS

### **MH-47 Heavy Assault Helicopter**

### Mission:

- Precision Air Assault
- Transport Array of Payloads
- Resupply
- Infiltration/Exfiltration
- CASEVAC

### Armament:

- M134 7.62mm Mini-guns
- M240 7.62mm Machine gun

## MH-60 Medium Assault/DAP Helicopter

Mission:

- Precision Air Assault
- Infiltration/Exfil

**Capability:** 

Rescue Hoist

Aerial Refuel

Terrain Following/Avoidance

CSAR/Resupply

### Capability:

- Terrain Following/Avoidance
- Aerial Refuel
- Fast Rope
- Rescue Hoist

#### Armament:

M134 7.62mm Mini-guns

## A/MH-6M Light Assault/Attack Helicopter

**Mission:** 

- Precise Air Assaults
- Infiltration/Exfiltration
- Reconnaissance

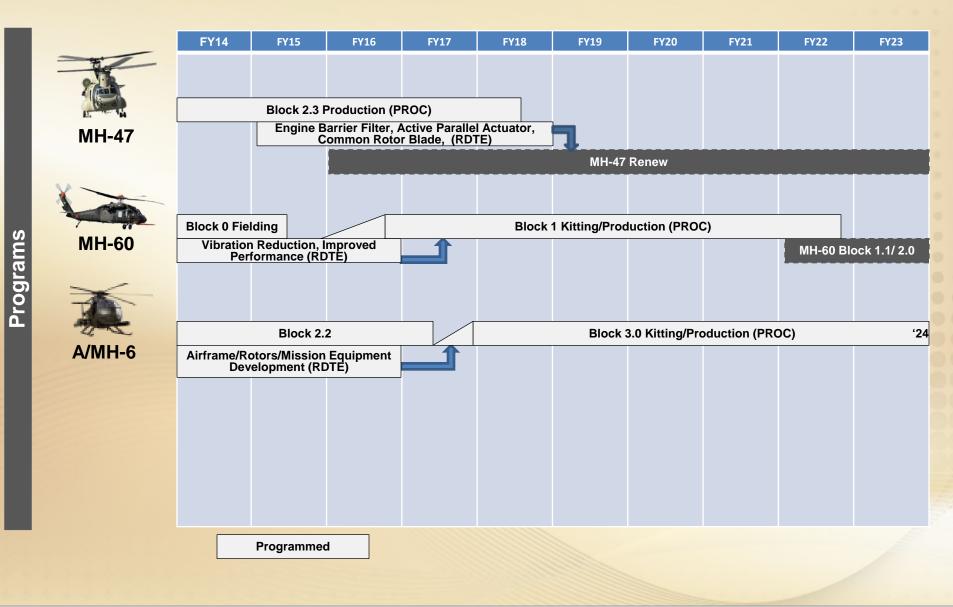
Capability: External Personnel Pods Fast Rope

#### Armament:

- M134 7.62 mm Mini-guns
- M230 30 mm Chain-gun
- Hellfire / 2.75" Rockets



## ROADMAP



## **MH-47 PROGRAM**



# **MH-47G CONFIGURATION**



Note: system improvements depicted are not all inclusive

## **MH-47G ACTIVITIES**

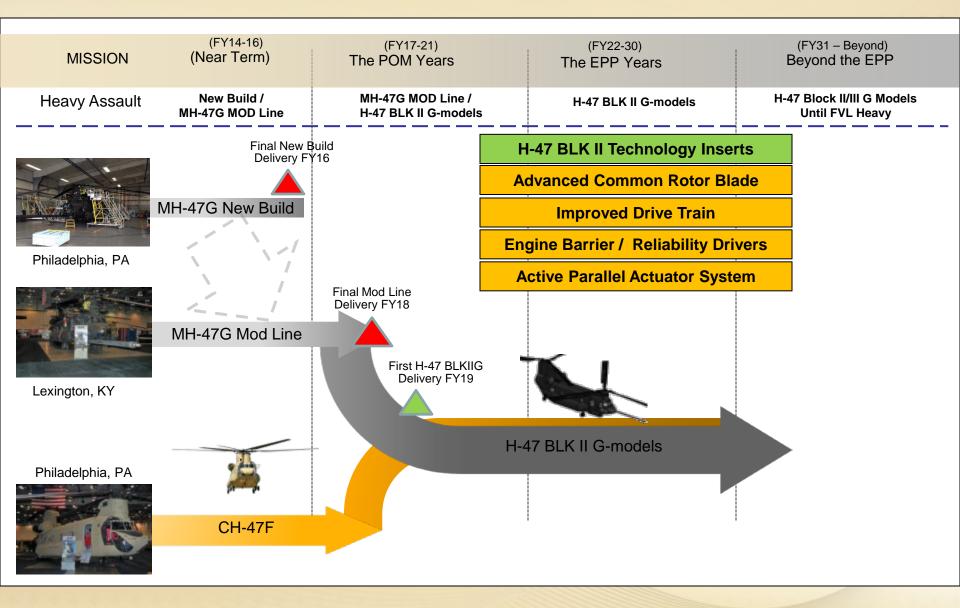
- Block 2.3 execution
- +8 New Build execution
- Sustainment cost drivers
- Development Efforts
  - Advanced Parallel Actuator System (APAS)
  - Engine Barrier Filter
  - Advance Common Rotor Blade (ACRB)







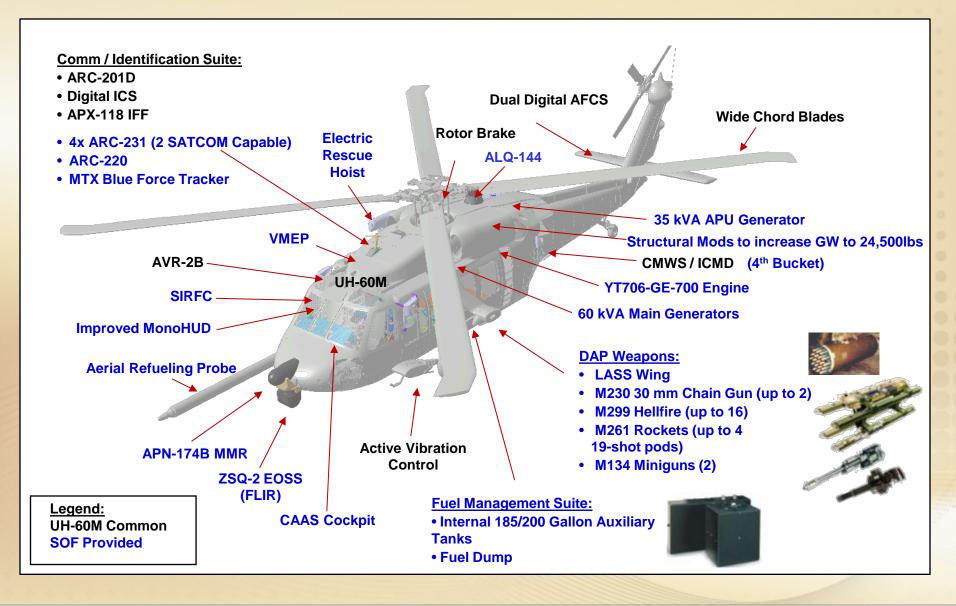
# MH-47 CONFIGURATION ROADMAP



# **MH-60 PROGRAM**



# **MH-60M CONFIGURATION**



## **MH-60 ACTIVITIES**

- MH-60M production execution
- MH-60K divestiture execution
- Sustainment cost drivers
- Block 1 upgrades



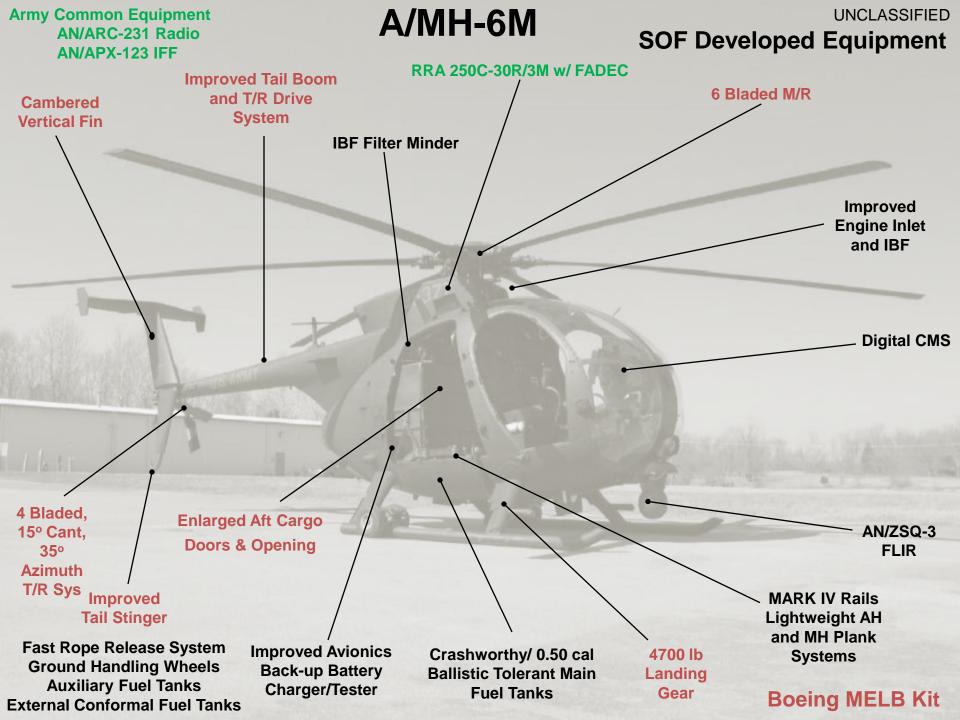
## A/MH-6M



## **A/MH-6 ACTIVITIES**

- Block 2.2 upgrade execution – Improves crew safety
- Block 3. 0 upgrade planning
  - Improves payload
  - Improves speed
  - Improves cockpit
  - Improves flight controls





#### UNCLASSIFIED

# **AIRCRAFT TECHNOLOGY INTERESTS**

- Light weight fuel cell maintaining ballistics and crashworthy characteristics
- Lighter weight cabin sound proofing/ thermal protection
- Infrared Countermeasures
- Conformal multiband antennas
- Low volatility lithium battery
- Transparent, curved, light, ballistic materiel

# QUESTIONS



## SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

## **TRAINING SYSTEMS**

### **ROTARY WING**



# SOF AVIATION SIMULATION PRODUCT PORTFOLIO



MH-60K MH-47E

Legacy Upgrade Effort





**A/MH-6** 

**Flight Simulation** 

**PM SOF Training Systems** 

**Integration and Sustainment** 

**MH-47G** 

SOF TEAMS

М

**SOA STARS** 

MH-60M



NIGHT STALKERS



Battle Staff Training System



Mission Rehearsal Operations Center

**Simulation Training Exercise/ Mission Rehearsal** 



Call For Fire Soldier Monitoring System Trainer II

**Army Supported** 



CAPT





Desktop Trainers Vehicle Interdiction Training

### **Peripheral Training**



Exercise Management Control



Incident Investigation

# SOF AVIATION PRIORITIES AND INITIATIVES

### • User's Priorities:

- Available, Concurrent, Interoperable

### Future Competitive Actions:

- Special Operations Forces Aviation System Trainers Enhancements (SOFAST-E => RFP o/a 4th Qtr FY16; major system upgrades)
- Special Operation Forces Training, Engineering, and Maintenance Services (SOF TEAMS III => RFP o/a 3rd Qtr FY17; life-cycle sustainment)

### Areas of Interest:

- Collective Training Capability
- Hardware / Software Commonality => Stimulation vs Simulation
- Real-time database generation tools

# **CLOSING REMARKS**

- Simulation doesn't replace Live Training It Maximizes it!
- Simulation offers a wide variety of benefits to Training and Operations
- PM SOF Training Systems manages a diverse portfolio of projects that supports the SOF community

# QUESTIONS

