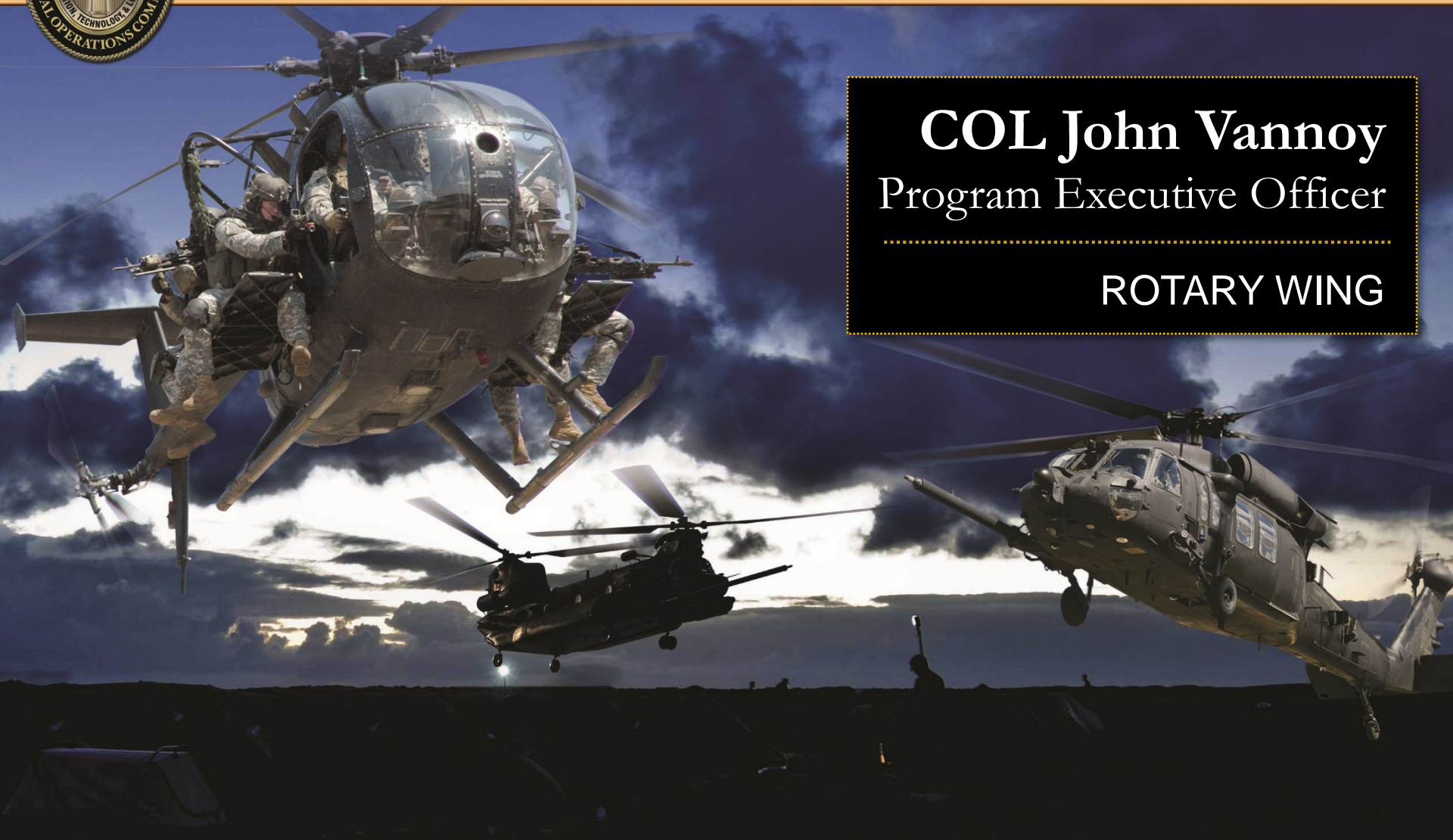




SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

COL John Vannoy
Program Executive Officer

ROTARY WING



ROTARY WING

Schedule of Presentations

Day 1 – Wednesday 25 May 2016

11:30 - 12:30

PEO RW Strategic Overview

14:30 - 15:30

MH-47G, MH-60M, MELB Program Update

Mission Equipment Program Update

SOF Training Systems Update

Day 2 – Thursday 26 May 2016

09:00 - 10:00

PEO RW Strategic Overview

10:45 - 11:45

MH-47G, MH-60M, MELB Program Update

Mission Equipment Program Update

SOF Training Systems Update

Agenda

- **Enterprise and Portfolio Overview**
- **Operational Perspective**
- **FY15-16 Accomplishments**
- **New in FY17**
- **Way Forward**
- **Roadmaps**
- **Resourcing Strategic View**



Rotary Wing (RW) Network

Resource SOF Rotary Wing Fleet

Equip the soldiers of the 160th SOAR(A) and the TSOCs SOF with unique and unequaled Rotary Wing capabilities.

Sustain the unique aircraft operated by the 160th SOAR(A) and the TSOCs.

Support the Global SOF Network through responsive resourcing.



**160th SOAR (A) – TSOCs
Operators**



**ARSOAC
SIMO
Capabilities Sponsor**



**PEO RW USSOCOM
Resource Sponsor**



**PM SKR/PM TAPO/PM STS/PM MELB
Materiel Developer**

PEO RW Portfolio

MOBILITY



**A/MH-6
Light Attack/Assault**



Medium Assault MH-60



Heavy Assault MH-47

MISSION EQUIPMENT



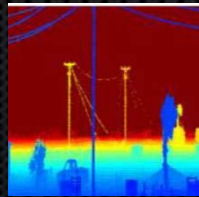
Active Aircraft Survivability Equipment



Passive Aircraft Survivability Equipment



Avionics



Sensors



Silent Knight Radar

TRAINING SYSTEMS



A/MH-6M Little Bird



MH-47G CMS



MH-60L/M CMS



**Battle Staff Training
Exercise Management Control**



SURGICAL STRIKE:



SURVIVABILITY:



ENVIRONMENTAL:



1



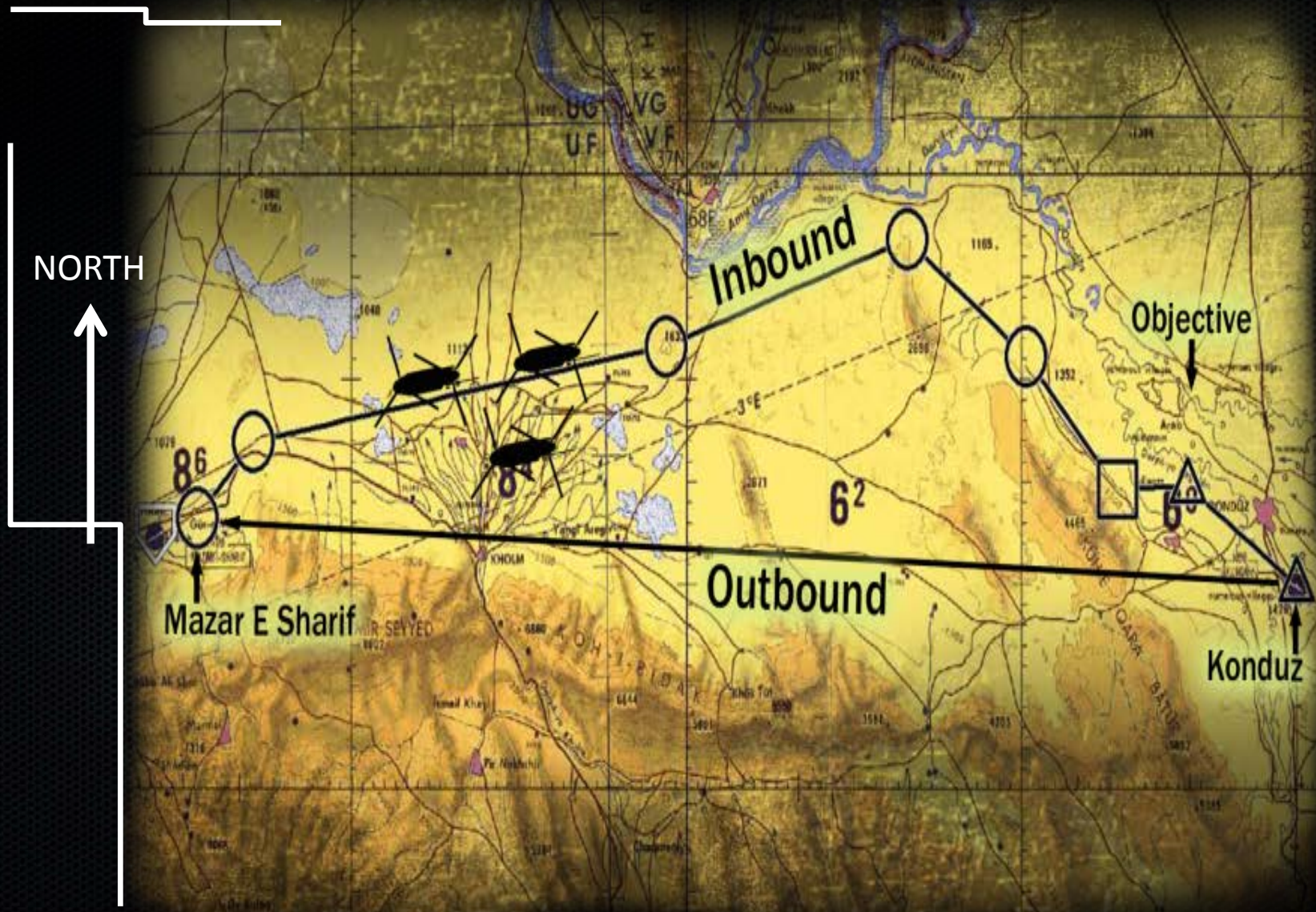
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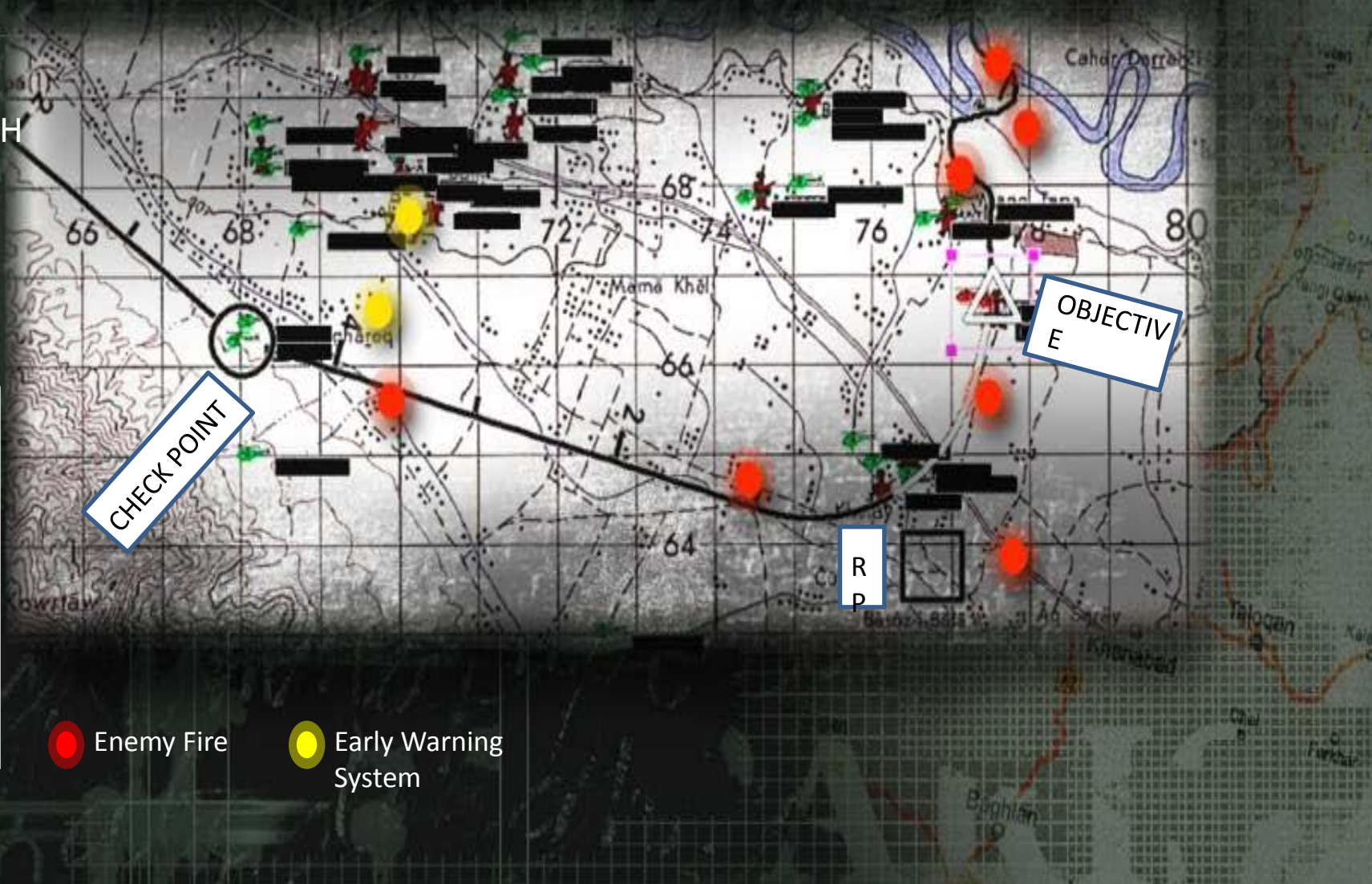
2





LONG RANGE:



CASEVAC:



 Enemy Fire

 Early Warning System

ARSOA in 2009-Current

Era Technology

- Training (TTP Shift, DAFCS TNG) 80% reduction in Dust landing accidents
- MMR (Increased S/A, All weather)
- IR countermeasures (Improved UV Spectrum, less visible)
- Communications (Additional ARC-231)
- CAS coordination (FAC-A TNG, WTI, Lighting)
- In-Flight Fuel (DAFCS)
- Dust Landing Training (Full use of DAFCS, enroute and terminal)
- Navigators (2-GPS, EGI, INU)
- CAAS (Mission Processors) Rockwell Collins (Integrated)
- Shipboard Operations (DAFCS)
- RF Protection (SIRFC, BFT 2009 results) 2011, 2012, 2013
- Neptune Falcon (Nellis)

MH-47G

ARSOA in The Future

Era Technology

- Training (Simulations)
- MMR
- IR countermeasures (UV vs. two color IR)
- Communications (BLOS, Passive)
- CAS coordination (Airborne network)
- In-Flight Fuel
- Dust Landing Training (DVE)
- Navigators (Anti-spoofing)
- Mission Processors
- Shipboard Operations
- RF Protection (Passive, Active, Airborne network)
- Game Changing capabilities (Range, Payload, Environment)

FY15-16 Accomplishments

- A/MH-6M MELB Block 3.0 Entered Flight Qualification Testing
- Completed Fielding of MH-60Ms
- Completed MH-47G Plus 8 New Build Effort
- Completed Conversion of MH-47E Combat Mission Simulator (CMS) to MH-47G CMS
- DVEPS Vendor Down-Select Completed
- Deliveries:
 - 14 MH-60M aircraft
 - 7 MH-47G aircraft
 - 11 MH-47G Block 2.3 upgrades
 - 8 A/MH-6 Block 2.2 upgrades
 - 6 Silent Knight Radar LRIP systems



New in FY17

- New Programs:
 - MH-47G and CH-47F Block II Collaboration – FY17
 - Missile Warning System FY16-17
 - Degraded Visual Environment integration and Qualification
 - Airborne Mission Network
 - Directed Energy
- RW S&T Roadmap



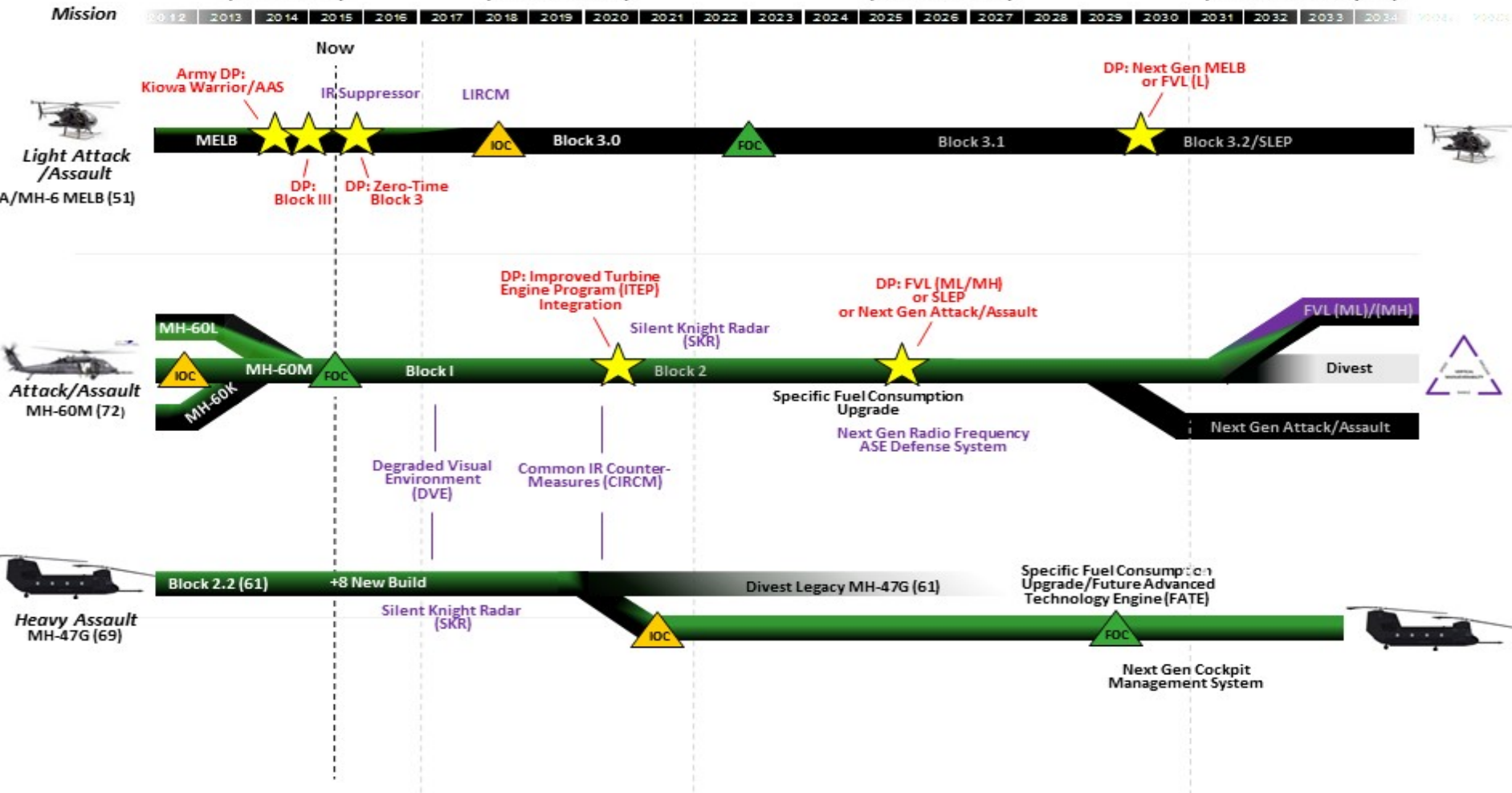
Way Forward 2017

- Recapitalize the MH-47G fleet
- Modernize and recapitalize the MELB fleet
- Gain advantage in Survivability Equipment
- Lead the department in degraded visual environment development
- Expand platform mission network capability
- Weight reduction initiative
- Security Assistance and Foreign Military Sales
- Optimize RDT&E planning to SOF-p requirements
- Focus the network on Rotary Wing interest areas

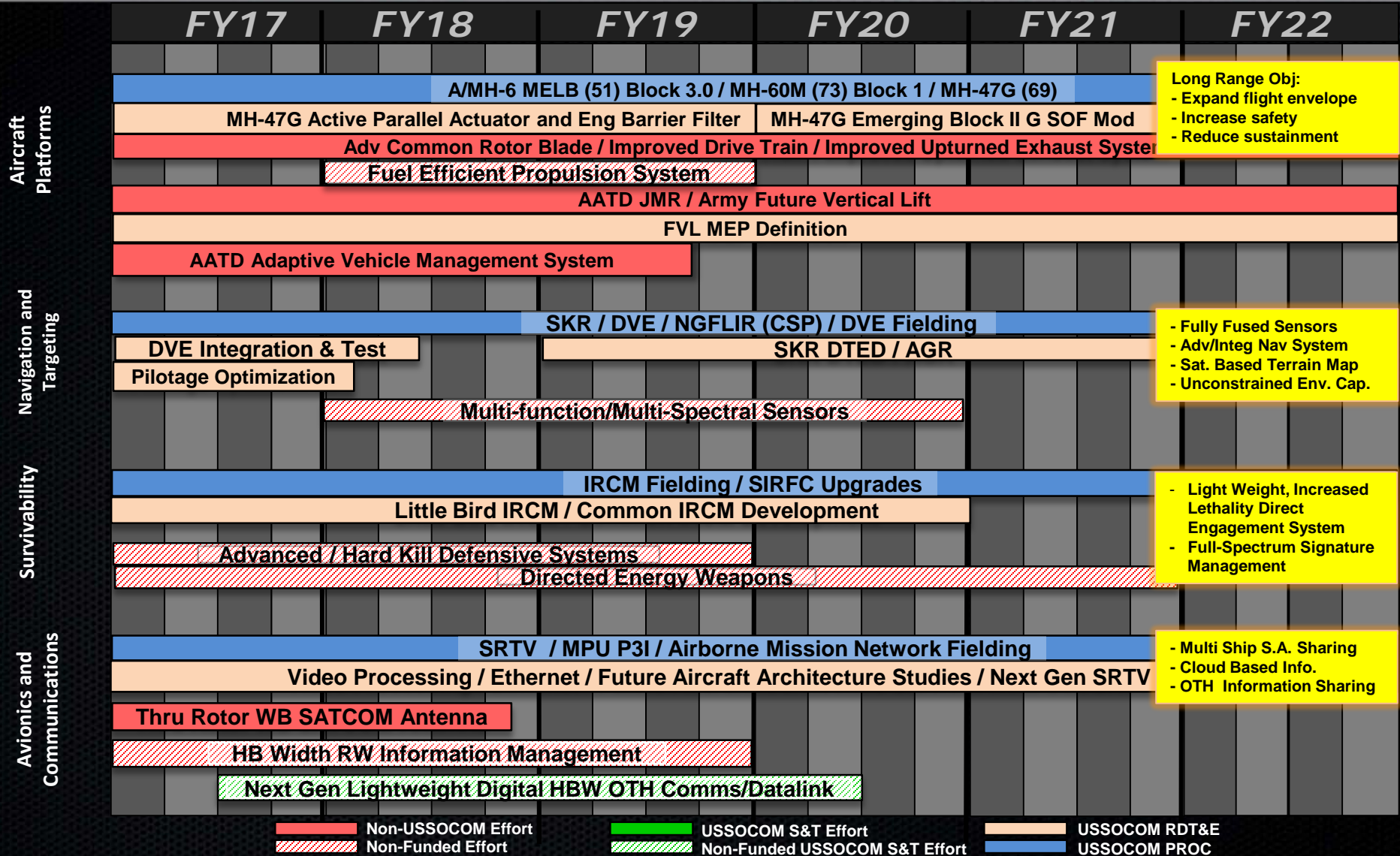
RW Roadmap

-  Milestone (IOC)
-  Milestone (FOC)
-  Decision Point
-  SOF
-  Joint
-  Army

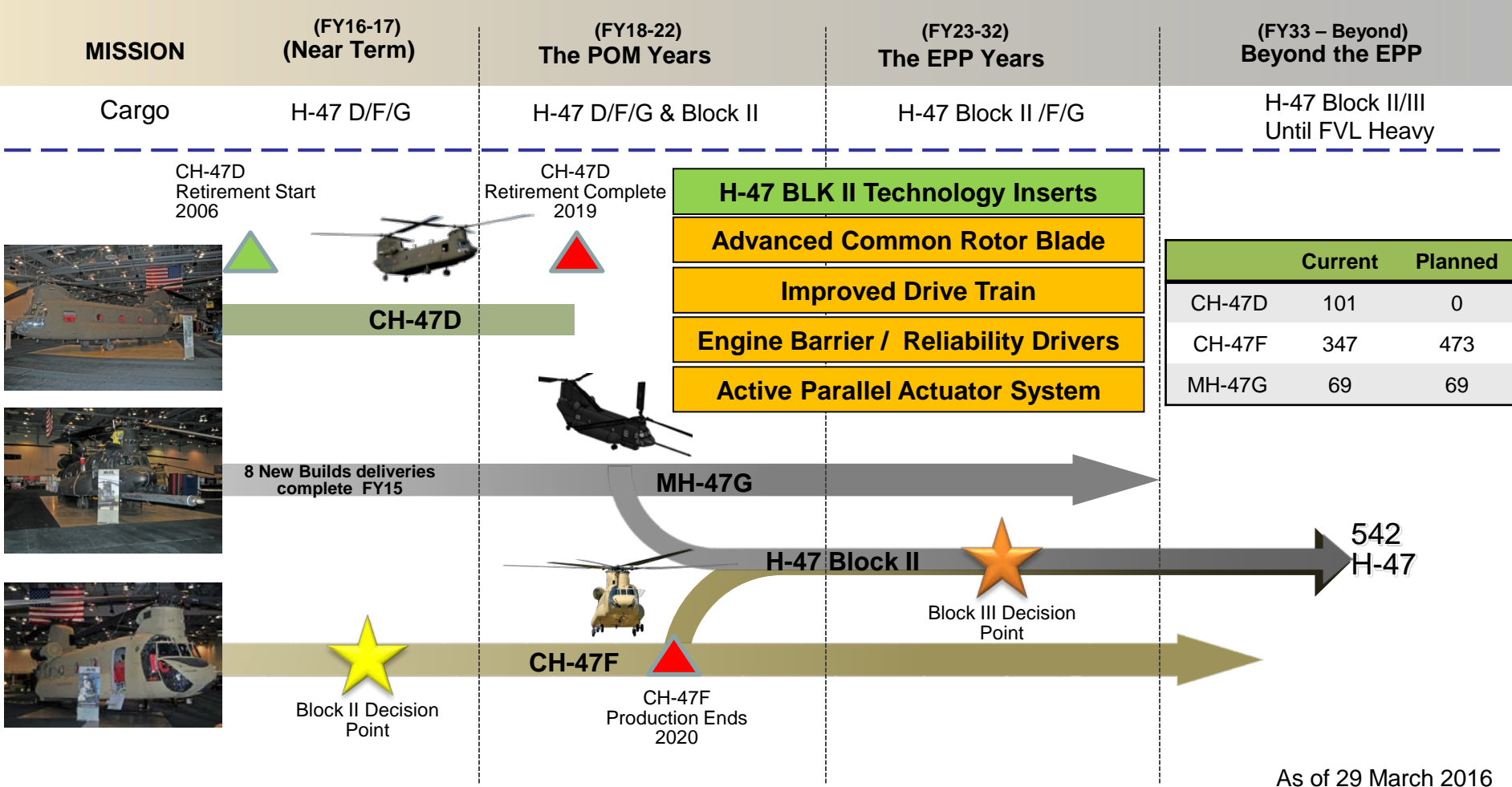
Near Term (Prior to FY 17) The POM Years (Fiscal Year 17-21) The EPP Years (Fiscal Year 22-30) Beyond the EPP (Fiscal Year 31 – beyond)



RW Roadmap



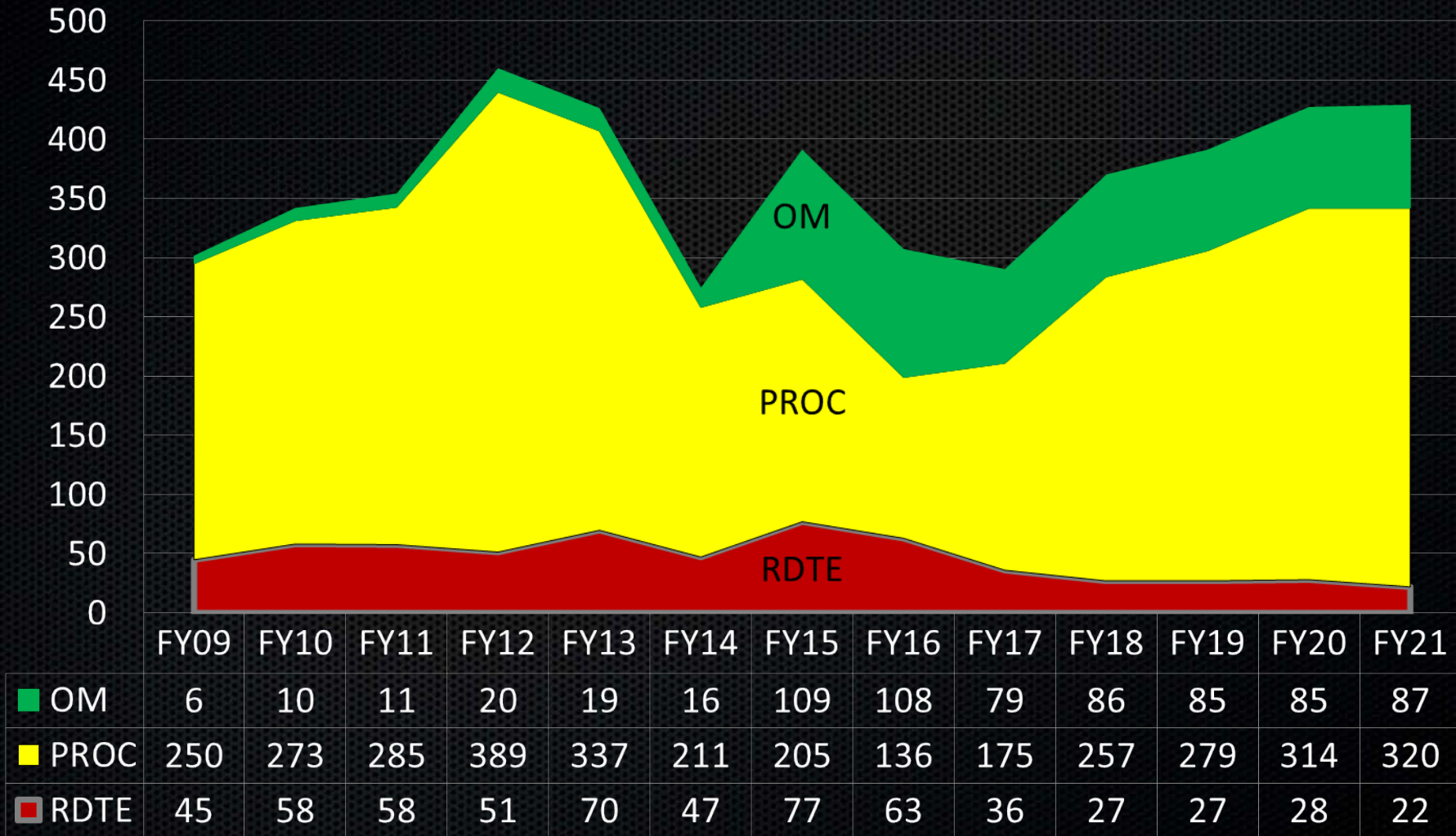
H-47 Configuration Roadmap



As of 29 March 2016

H-47 Block II is the first increment of a multi-block strategy designed to affordably maintain the Army's heavy-lift capability through 2060

Resourcing Strategy



Questions

