

PROGRAM EXECUTIVE OFFICE



AVIATION

# PEO Aviation Update to HAMA

Terry Carlson  
CIO/G6



# Mission

**Execute Life Cycle Management of Manned and Unmanned Aviation Weapon Systems for the Current Force and Transformation to the Future Force**



## What We Do:

- *Centralized Management for All Assigned Army Aviation Programs*
- *Full Life-Cycle Management of Assigned Systems*
- *Improve Interoperability*
- *Enhance Reliability and Safety*
- *Maintain Combat Overmatch thru Recapitalization & Modernization*

## What We Manage:

- *Eight Project Offices*
- *Two Major Initiatives:*
  - Support to OND/OEF and*
  - Fixing Army Aviation*

## The Magnitude:

- *\$37B over POM years FY 12-16*
- *FMS Total Case Value FY11 — \$5.77B*
- *55 FMS Cases — 36 Countries*

**Providing the World's Finest Support to the Soldier at Redstone Arsenal**



# PEO Aviation Organization



PEO  
MG Tim Crosby



DPEO  
Mr. Rusty Weiger



Chief of Staff  
Mr. Randy Harkins



APEO, Administration  
Ms. Marsha Jeffers



APEO, Engr & Tech  
Mr. Layne Merritt



APEO, Business Mgmt  
Mr. John Mull



APEO, IMO  
Mr. Terry Carlson



APEO, Life Cycle Mgmt  
Mr. John Beck



APEO, Operations  
Mr. Dennis Williamson



## PM AS

*COL Anthony Potts*

- AGSE
- ANMP
- AME
- ATC



## PM Apache

*COL Shane Openshaw*

- Block III
- Sensors
- Longbow



## PM UH

*COL Thomas Todd*

- UH-60 A/L/M
- LUH
- UH-60 Modernization
- Common Engine



## PM ASH

*COL Robert Grigsby*

- Armed Aerial Scout
- OH-58D Kiowa Warrior
- KW CASUP (OH-58F)
- Iraqi Armed 407
- TH-67 / OH-58A/C



## PM UAS

*COL Tim Baxter*

- Shadow
- OSRVT/OSGCS
- Gray Eagle (ERMP)



## PM Cargo

*COL Robert Marion*

- CH-47F
- CH-47 Modernization



## PM FW

*COL Brian Tachias*

- RC-12
- ARMS
- C-12
- C-23
- C-37
- C-26
- C-20
- EO-5
- UC-35



## PM NSRWA

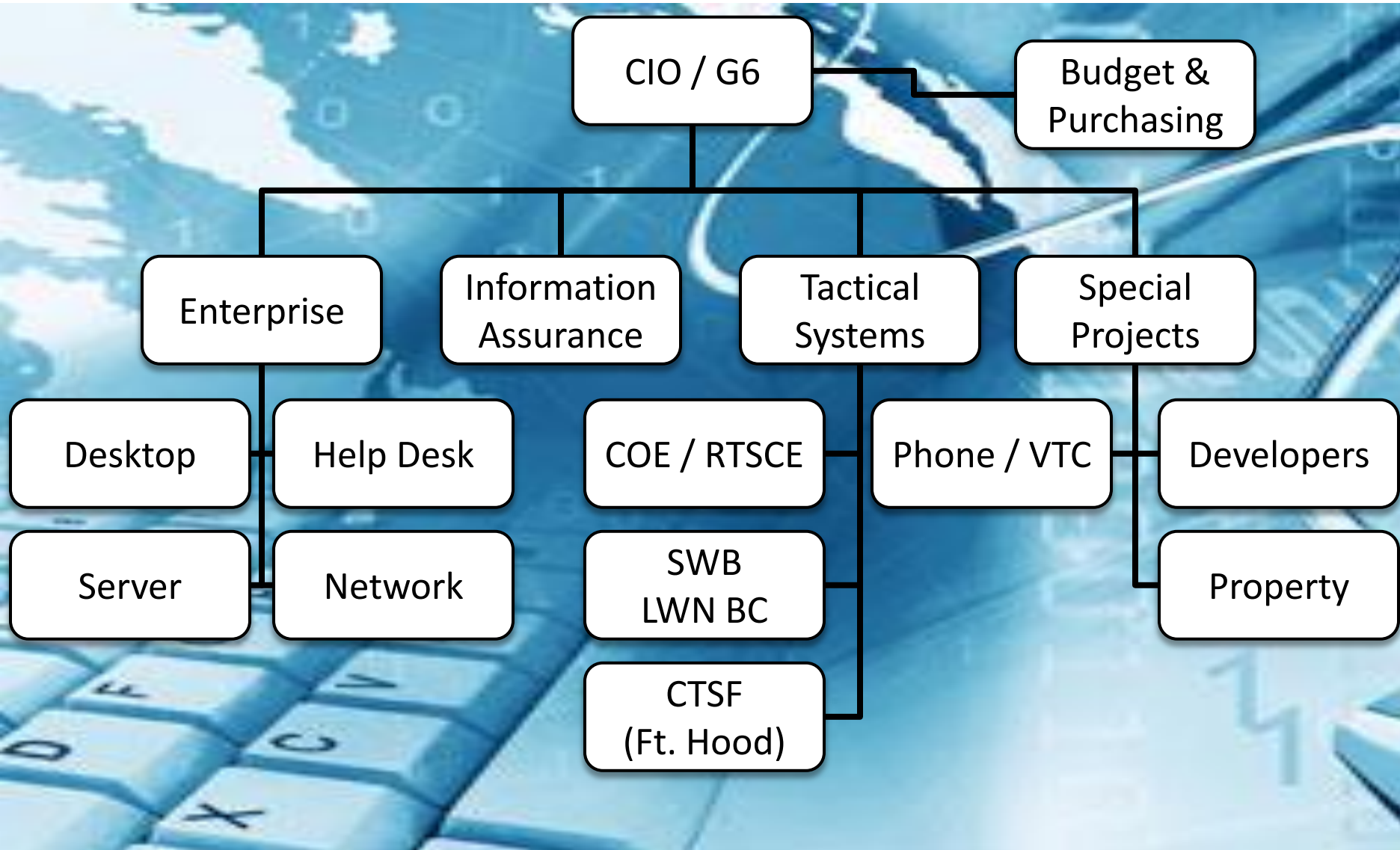
*COL Bert Vergez*

- Mi-17
- MD-530F
- MD-500





# CIO / G6 Organization





# Local Economic Impact

**Civilian Payroll \$295M**  
(Includes Core, Matrix, Contractor Employees)



**Local Contracts**  
**\$186M**

**Contracts Rest of Alabama**  
**\$62.7M**

**TOTAL IMPACT \$544M**



# ACAT Programs by PMO

As of 8 September 11




**PM Apache**  
2 ACAT I

AB3A - ACAT ID (Reman)

AB3B - ACAT ID  
(New Build)

**Longbow Apache**




**PM ASH**  
1 ACAT II

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

Armed Aerial Scout  
AoA in Process


**OH-58D Kiowa  
Warrior**



**PM Cargo**  
1 ACAT I

CH-47F – ACAT IC

**CH-47D Helicopter**



**PM Utility**  
2 ACAT I

UH-60M – ACAT ID

LUH – ACAT IC

**UH-60A/A/L RECAP**



**PM Aviation  
Systems**  
5 ACAT III



**PM UAS**  
1 ACAT I  
1 ACAT II  
1 ACAT III

RQ-7B UAS Shadow –  
ACAT II

MQ-1C UAS Gray Eagle –  
ACAT 1D

RAVEN UAS – ACAT III

One System Remote Video  
Terminal (OSRVT) – ACAT III

**Air Traffic Control  
1 ACAT III & Sustainment**

- Mobile Tower System (MOTS) – ACAT III
- \* National Airspace System (NAS) – USAF ACAT 1C
- \* - DoD Advanced Automated Systems (DAAS)
- \* - Digital Airport Surveillance Radar (DASR)

*\*ATC manages the Army portion of these joint programs, programs not reportable as ATC ACAT programs.*

**AGSE  
2 ACAT III & Sustainment**

Standard Aircraft Towing System (SATS) – ACAT III

Shop Equipment Contact Maintenance (SECM) – ACAT III

**Aviation Networking & Mission Planning  
2 ACAT III & Sustainment**

Aviation Mission Planning System (AMPS) – ACAT III

Aviation Data Exploitation Capability (ADEC) – ACAT III

**Aviation Mission Equipment**

- \* JTRS – Army ACAT 1D
- \* JPALS – Navy ACAT 1D

*\*AME manages the Army portion of these joint programs.*



**PM Fixed Wing**  
No ACAT

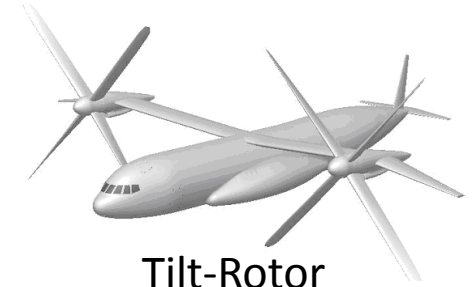


**PM NSRWA**  
Special Interest Acq



# Potential Major New Aviation Program

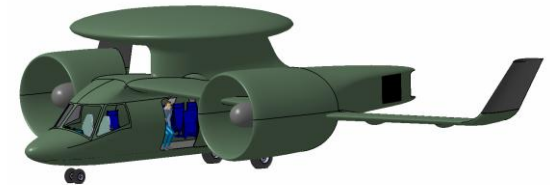
- Congress directed DoD to conduct and Capability Based Assessment to determine the next generation vertical lift fleet for the DoD
- Plan submitted to Congress in August 2010-Family of four classes of vehicles
  - Department needs new family of aircraft beginning fielding in 2025
  - Decision has been made to focus on the Medium Class
    - Army lead/joint participation
- AMRDEC executing major technology demonstration effort to mature key enabling technologies
  - Three configurations-helicopter; compound helicopter; tilt-rotor
  - First flight in FY17
  - Includes mission systems architecture
- Notional schedule for new Program of Record is FY 18
- Target IOC is FY 30--consistent with Aim Point 2030



Tilt-Rotor



Advanced Helicopter



Compound Rotorcraft



# FVL Strategic Vision

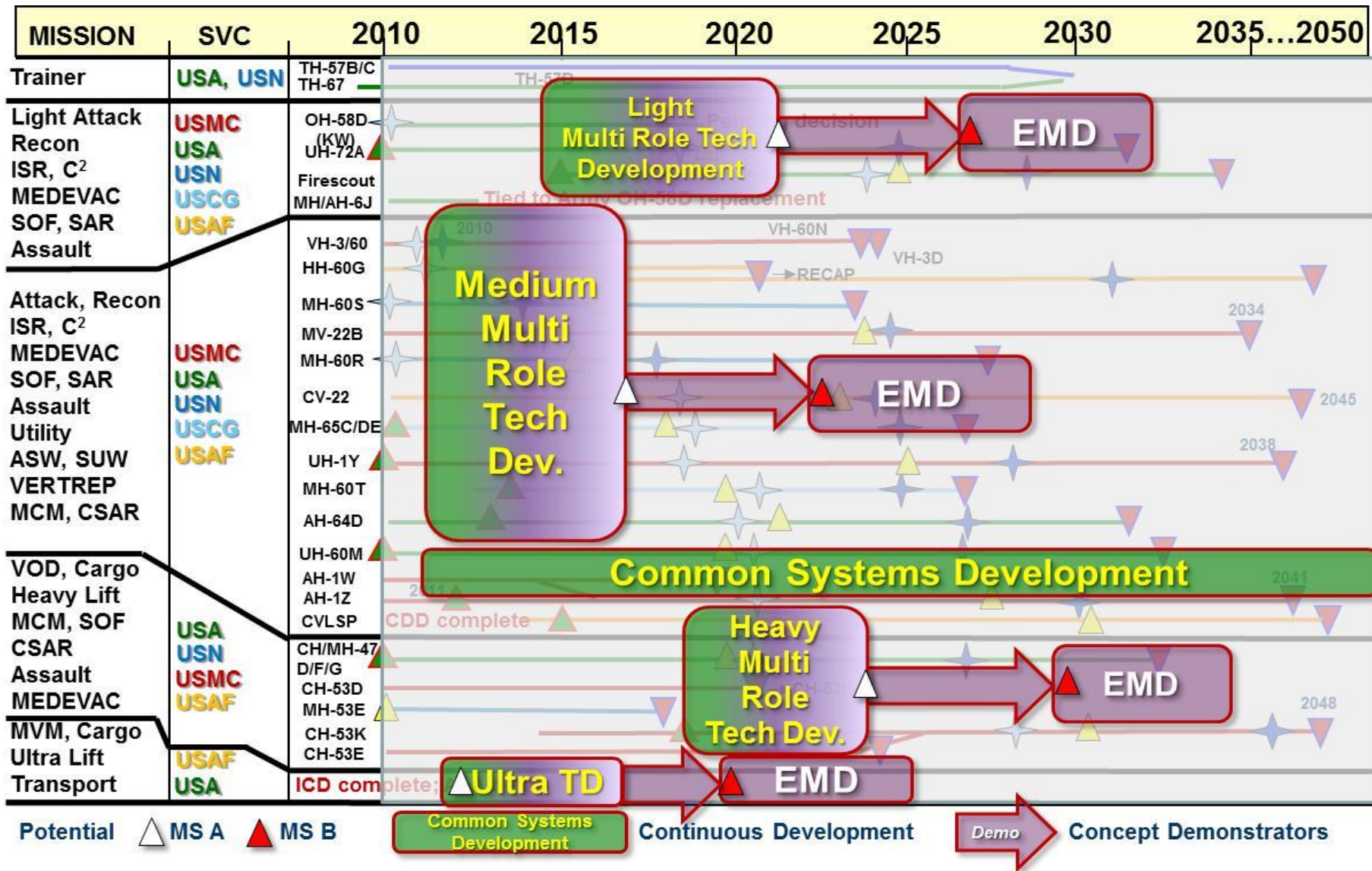
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**Over the next 40 years, the Department of Defense will transform the Department-wide vertical lift fleet through the development and fielding of families of next generation, Joint, vertical lift aircraft that provide the advanced capabilities to the Joint force required to meet future operational requirements across the spectrum of conflict.**

**Source: Report to Congress, “A Strategic Plan for United States Department of Defense Vertical Lift Aircraft”, Aug 2010**



# Strategic Plan-Time Phased, Fiscal Unconstrained

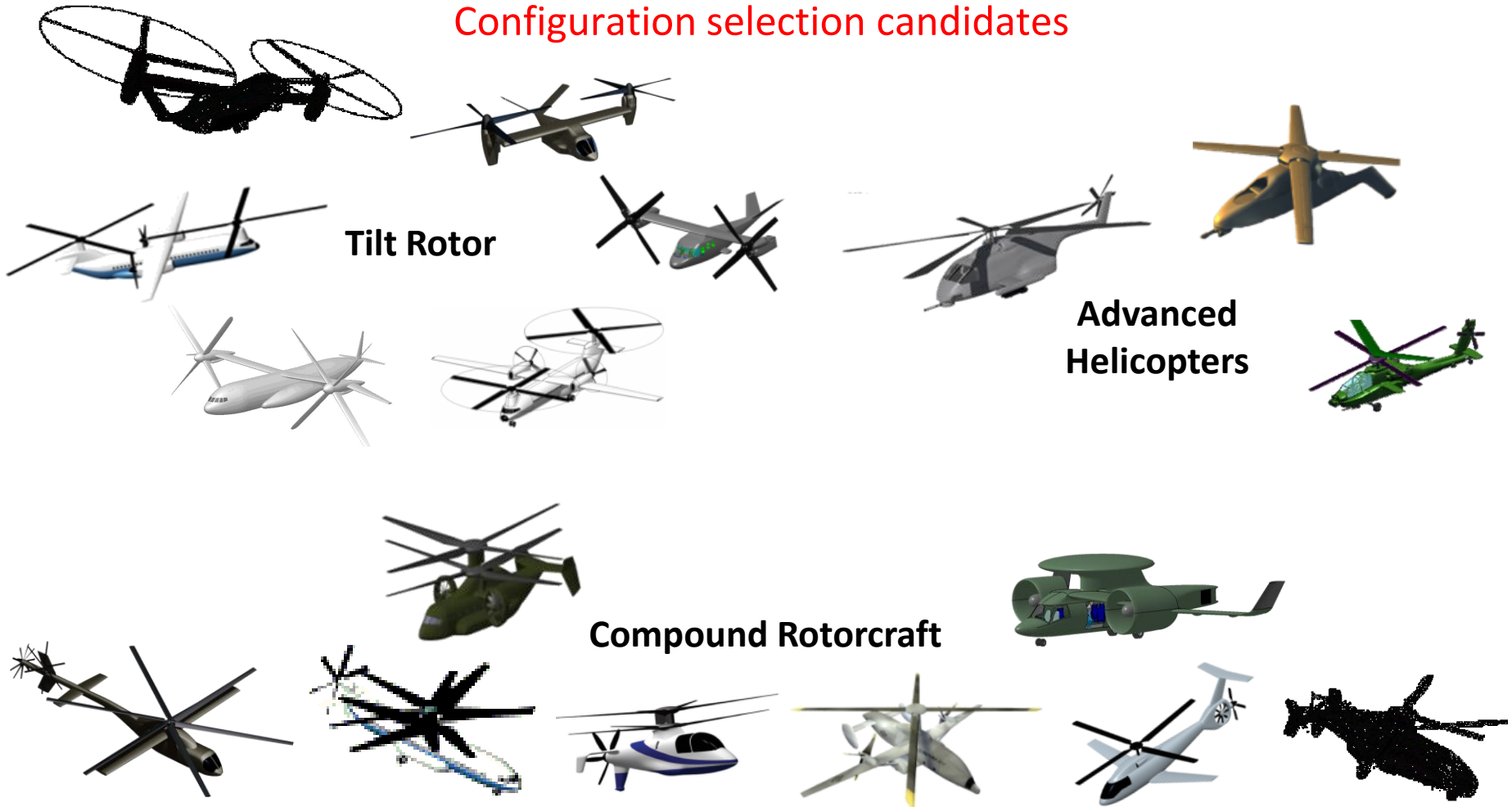




# Future Vertical Lift (FVL)

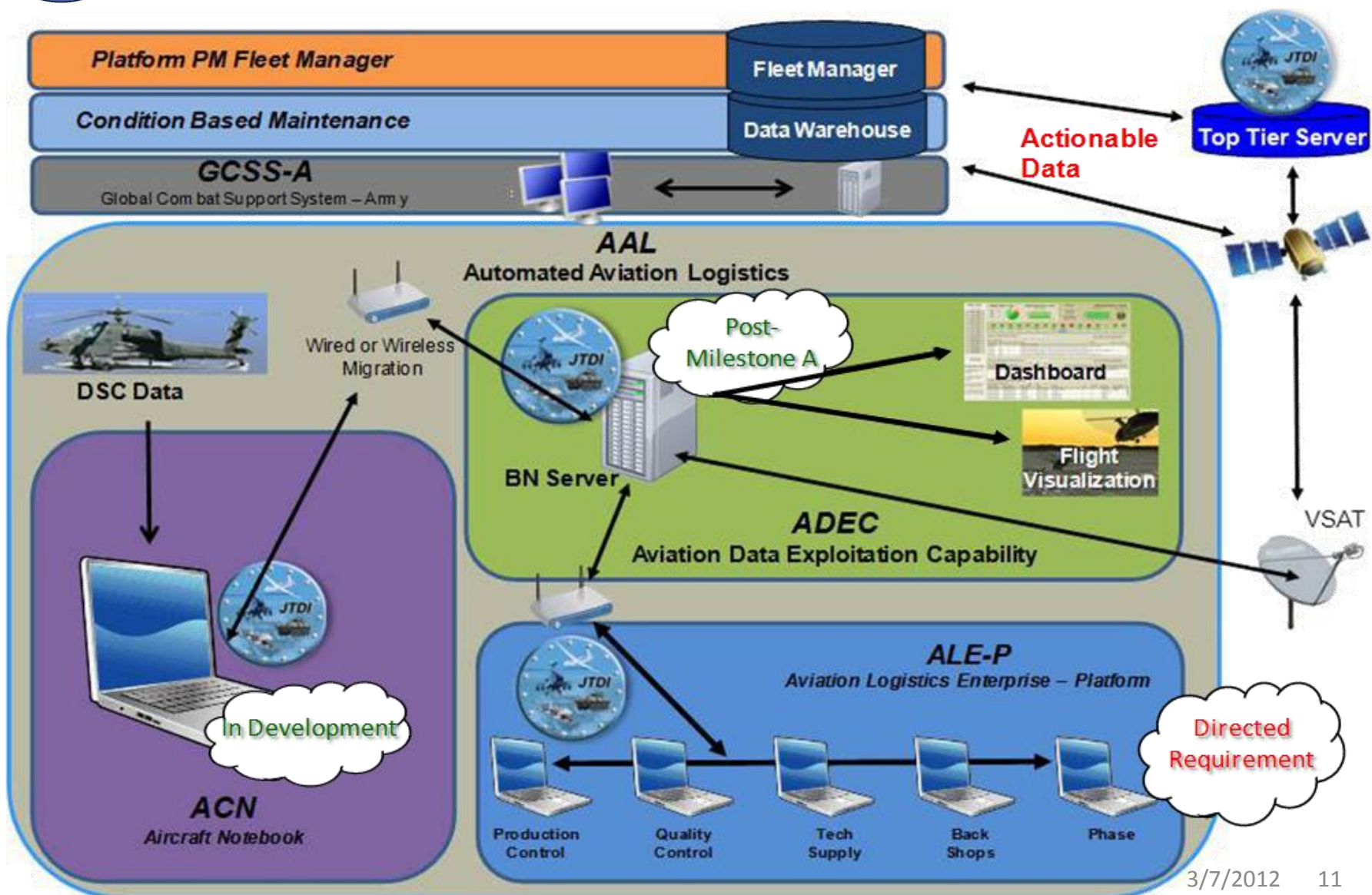
FVL describes a family of vertical lift aircraft

Configuration selection candidates





# Aviation Data Exploitation Capabilities (ADEC)

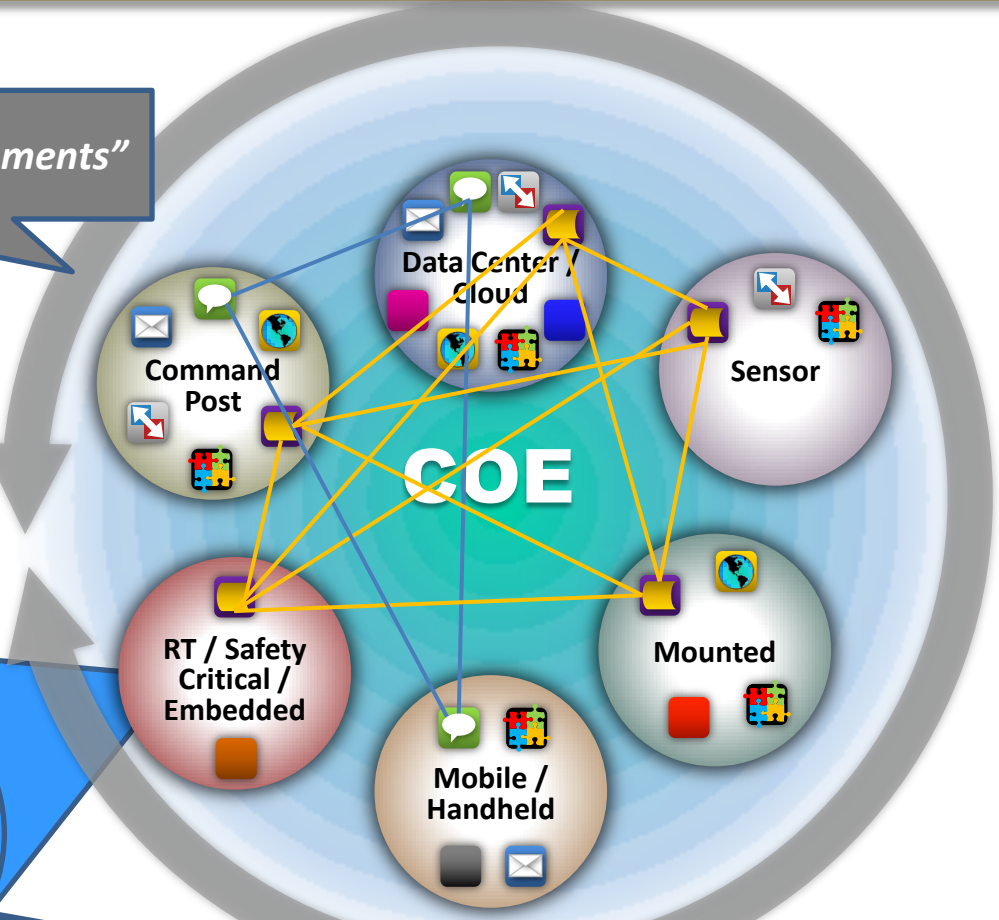




# FACE – Aviation’s COE Approach

*RTSCE is one of 6 “Computing Environments”*

\*COE Definition : **The Common Operating Environment** is an approved set of **computing technologies and standards** that enable secure and interoperable applications to be rapidly developed and executed across a variety of Computing Environments (i.e., Server(s), Client, Mobile, Sensors, and Platform).

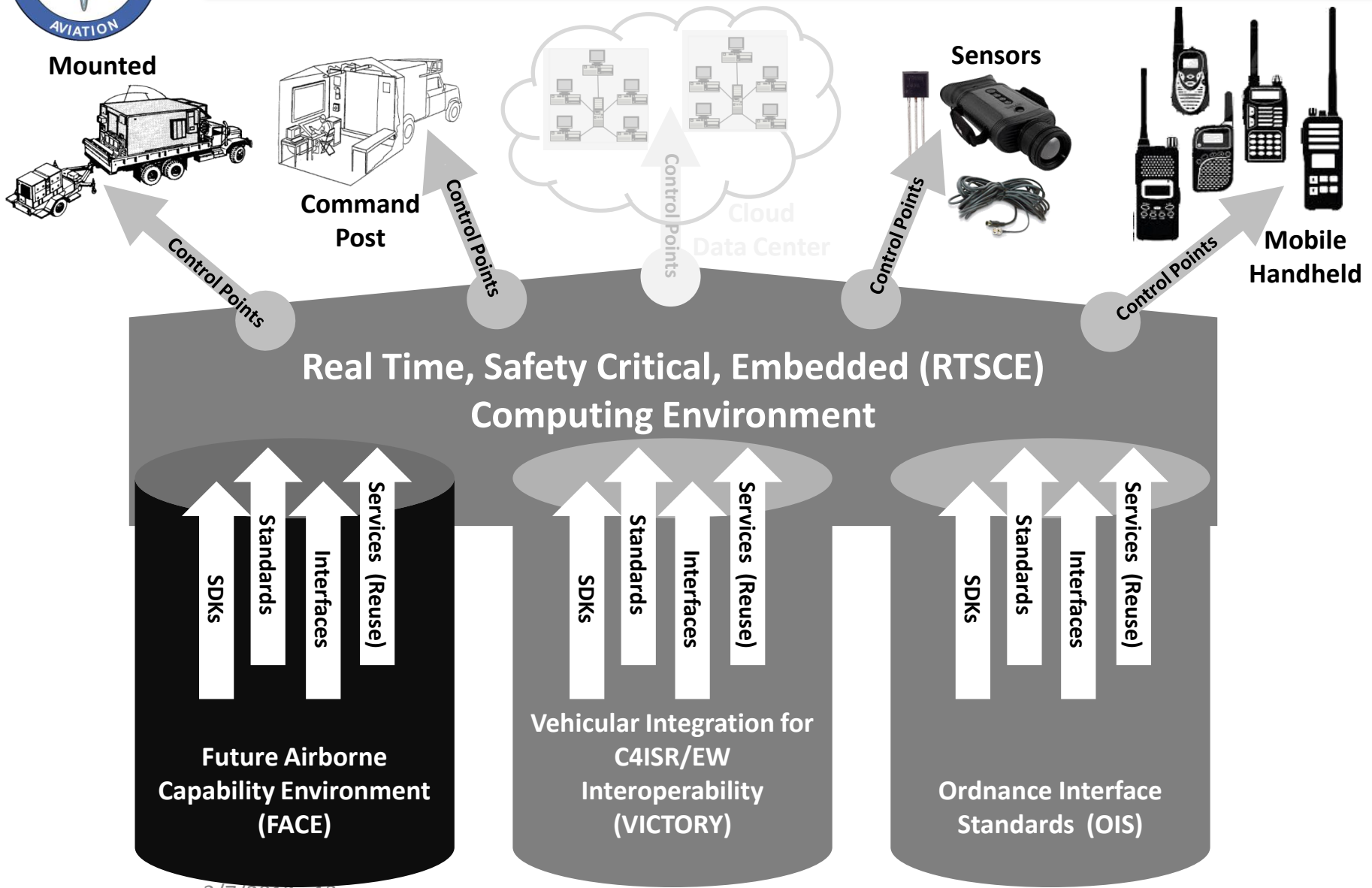


*FACE is a one of 3 “enablers “ of the RTSCE CE (along with VICTORY and OIS)*

*FACE is Army Aviation’s implementation of the Army’s COE initiative*



# RTSCE Strawman Architecture





# Information Assurance

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- Significant challenge for both tactical and enterprise
- DIACAP is a growing effort (ATO / IATO / IATT)
- Certificate of Networkiness (CoN)
- Host Based Security System (HBSS)
- SolidCore





# Summary

- **The Soldier is our #1 Priority**
- **PEO Aviation is constantly evolving to always meet the needs of the Soldier**
- **Committed to and reliant upon our Partners**

