

Col Michael Schmidt
Program Executive Officer

FIXED WING

FIXED WING

PEO FIXED WING PORTFOLIO

ISR - FIND



MQ-1

MQ-9



Puma



MEUAS



JAVAMAN



Liberty



RC-26



U-28



MOBILITY- INFILTRATE



CV-22



EC-130J



Dornier 328
C-146



M-28
C-145A



PC-12



MC-130J
MC-130P/H

STRIKE-FINISH



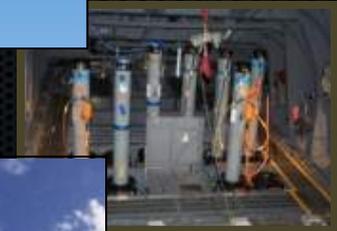
AC-130U
AC-130J



AC-130H



AC-130W



SOPGM

MUNITIONS AND EMERGING
TECHNOLOGY
TRAINING & MISSION PLANNING

FIXED WING

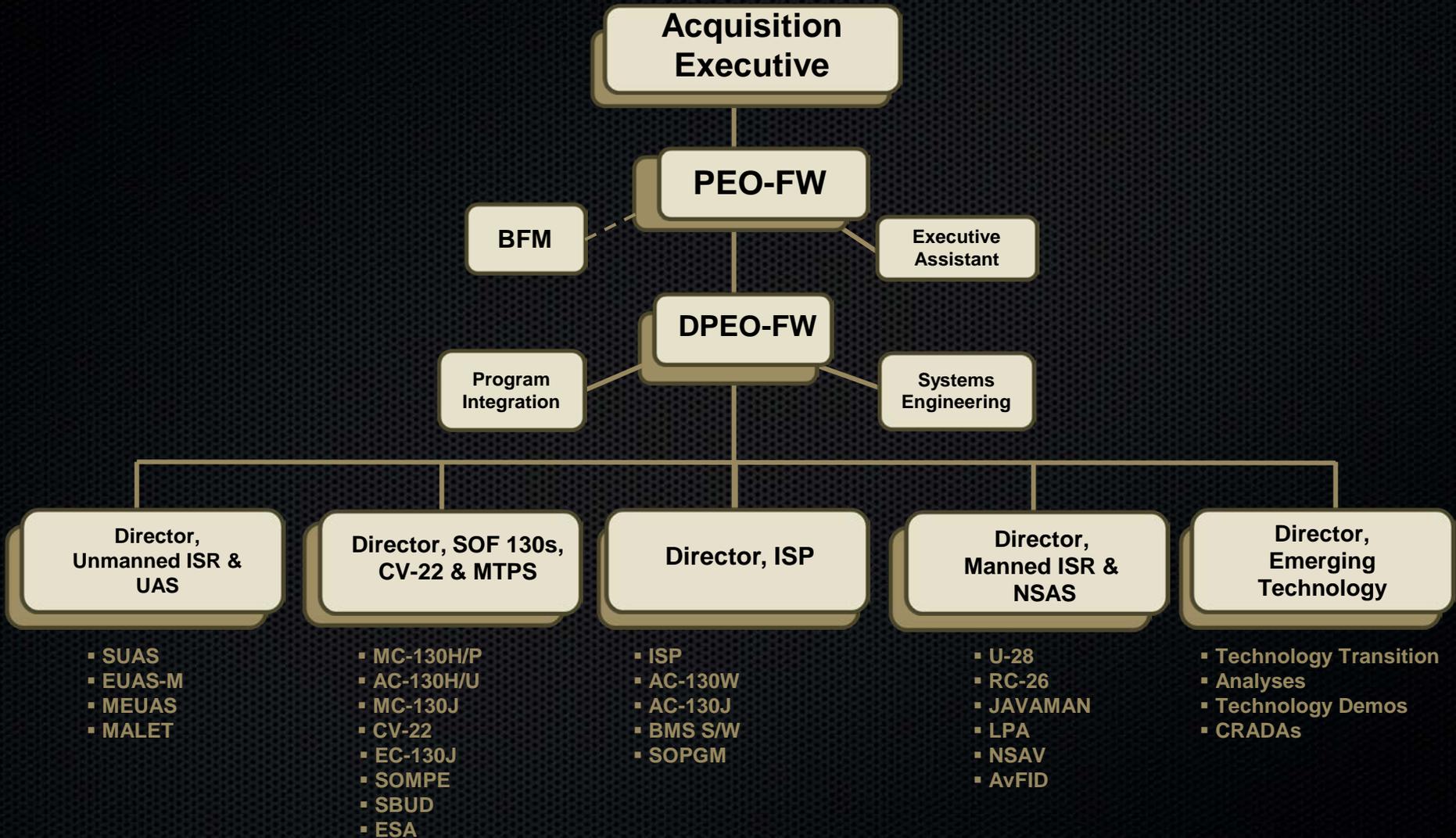
MISSION STATEMENT

To deliver Special Operations (SO)-peculiar manned and unmanned fixed wing airpower capabilities to effectively enable Special Operations Forces (SOF).

PEO-FW partners with the Warfighter and various development and support organizations to synchronize acquisition activities to field an array of advanced technology sensors, defensive countermeasures, advanced avionics, munitions and gun systems, and mission training systems.

The low-density, high-demand nature of the SOF fixed wing fleet is a key driver in the acquisition approaches used to continue to improve and sustain the force. The high operational tempo of these aircraft requires innovative means to incorporate capability and sustainment improvements while ensuring adequate aircraft availability.

PEO-FW ORGANIZATION



FIXED WING

PEO-FW GOVERNMENT ACQUISITION SUPPORT ENTERPRISE



FIXED WING

Lt Col Todd Darrah
AC-130J Program Manager

INTEGRATED STRIKE
PROGRAMS

FIXED WING

PRECISION STRIKE PACKAGE AC-130J/AC-130W

FW Priorities

- 37 MC-130Js modified with a Precision Strike Package (PSP) for conversion into AC-130J gunships
- 12 fielded AC-130Ws with PSP installed
- The PSP currently consists of:
 - A single 30mm gun
 - Stand Off Precision Guided Munitions
 - 2 EO/IR Sensors
 - Synthetic Aperture Radar
 - Mission Operator Consoles
 - Fire Control & Battle Management SW
 - A robust comms package



FY14/15 Planned Efforts

- Integration of 105MM Gun, Crew Situational Awareness Systems & Hellfire missile

FIXED WING

PRECISION STRIKE PACKAGE

- Provide armed over watch, CAS, and precision strike in support of ground forces



ACQUISITION STRATEGY

- Modify donor MC-130 aircraft with proven Precision Strike Package

PERIOD OF PERFORMANCE

- Various

MILESTONES

- AC-130J: Post MSB, Engineering & Manufacturing Development
- AC-130W: Production & Sustainment

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$148M
- FY15: \$191M

CURRENT CONTRACT/OEM

- SOFSA/Lockheed Martin, SNC, L3 WesCam, ForceX, Various

FIXED WING

Mr. Erich Borgstede
Systems Acquisition Manager

STANDOFF PRECISION
GUIDED MUNITIONS
(SOPGM)

FIXED WING

STAND-OFF PRECISION GUIDED MUNITIONS (SOPGM)

FW Priorities

- Improve Moving Target Capability
- Enhanced Lethal Warheads (CLT Compatible)
- All Weather/All Terrain
- Selectable Effects Munitions
- Affordability-Linked to Service Common

FY14/15 Planned Efforts

- Hellfire Integration on AC-130W/J
- Field Laser Small Diameter Bomb
- CRADA: Rapid Interaction and Demonstration of PGMs



FIXED WING

STAND-OFF PRECISION GUIDED MUNITIONS (SOPGM)

- Buy & Integrate Mix of Special Operation Forces (SOF) Unique & Service Common Precision Guided Weapons for Irregular Warfare
- Interfaces:
 - SOF Battle Management System (BMS)
 - Common Launch Tube (CLT) or Service Common



ACQUISITION STRATEGY

- Commodity Buy
- Integrate Service Common

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Hellfire Testing/Fielding FY15
- Laser Small Diameter Bomb July 2014

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$43M
- FY15: \$31M

CURRENT CONTRACT/OEM

- Raytheon Missile Systems
- Boeing Defense, Space & Security
- Dynetics
- Textron

FIXED WING

Lt Col John DiSebastian
Program Director

SOF C-130S, CV-22S,
AND MISSION
SYSTEMS

CV-22 SOF OSPREY

FW Priorities

- Responsive acquisition (Low Cost Mods)
- Enhance Situational Awareness
- Field improved ramp gun mount
- Field Block 20 upgrades
- Forward Firing Weapon
- Reduce sustainment/operating costs



FY14/15 Planned Efforts

- Helmet Mounted Display
- Communication enhancements
- Digital map upgrades
- ESA hardware & SW integration
- Ballistic protection

FIXED WING

CV-22 OSPREY

- Provides long-range, high speed, all weather, infiltration, exfiltration, and resupply of teams in hostile, denied, and politically sensitive areas in a single period of darkness



ACQUISITION STRATEGY

- Operational systems in sustainment with evolutionary technology insertions

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Post Milestone C: Production & sustainment through a joint performance based logistics contract

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$128M
- FY15: \$26M

CURRENT CONTRACT/OEM

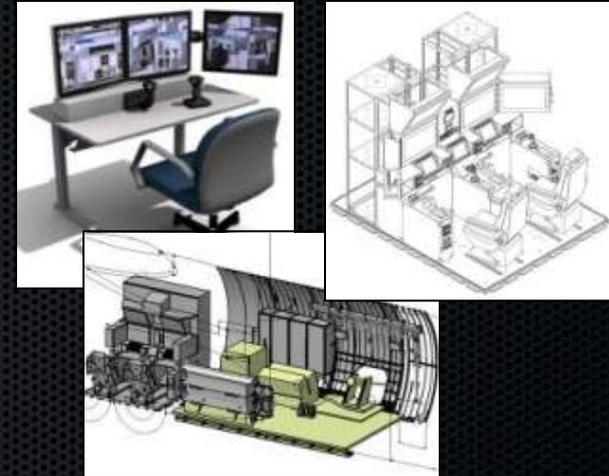
- Multiple contracts
- Bell-Boeing prime (OEM)
- Final aircraft on contract in 2014

FIXED WING

TRAINING & MISSION PLANNING SYSTEMS

FW Priorities

- Enable open architectures
- Maintain simulator concurrency with platforms
- Ruggedized and mobile devices



FY14/15 Planned Efforts

- AC-130J training system procurement
- Simulator block updates
- SOMPE SW application development
- SOMPE hardware development

TRAINING & MISSION PLANNING SYSTEMS

- Provide realistic combat simulation to SOF forces via aircrew training devices
- Enables mission planning and execution for SOF forces across all Components



ACQUISITION STRATEGY

- Existing, competed contracts for minor acquisitions and CLS
- Limited/full & open competition contracts for major acquisitions

PERIOD OF PERFORMANCE

- Various

MILESTONES

- MS C: AC-130J Training System
- Post-MS C: SBUD
- Post-MS C: SOMPE

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$30M
- FY15: \$26M

CURRENT CONTRACT/OEM

- AC-130J SIM: Lockheed Martin
- SBUD: Lockheed Martin, Sierra Nevada Corp, Opinicus, FSI, Various
- SOMPE: NTS, SAIC, Wyle, Nova, Various

FIXED WING

SOF C-130s

FW Priorities

- Responsive acquisition (Low Cost Mods)
- Achieve Commando II capabilities
- Create integrated open architectures
- Improve aircraft survivability
- Enhanced Situational Awareness



FY14/15 Planned Efforts

- Defensive systems (RFCM)
- ESA hardware & SW integration
- Pod-based C4ISR capabilities
- Roll-on / Roll-off capabilities
- Digital Solo for EC-130J
- Special Mission Processor
- Terrain Following Radar

FIXED WING

SOF C-130s

- Provide low-level infil/exfil and resupply of SOF teams in hostile or denied areas
- Provide in-flight refueling of SOF assets
- Provide armed over watch, CAS, and precision strike in support of ground forces
- Provide airborne MISO support



ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions
- New aircraft to recap legacy fleet

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Post Milestone C: Legacy Aircraft
- Milestone B: MC-130J Inc 3 & MCTF

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$115M
- FY15: \$124M

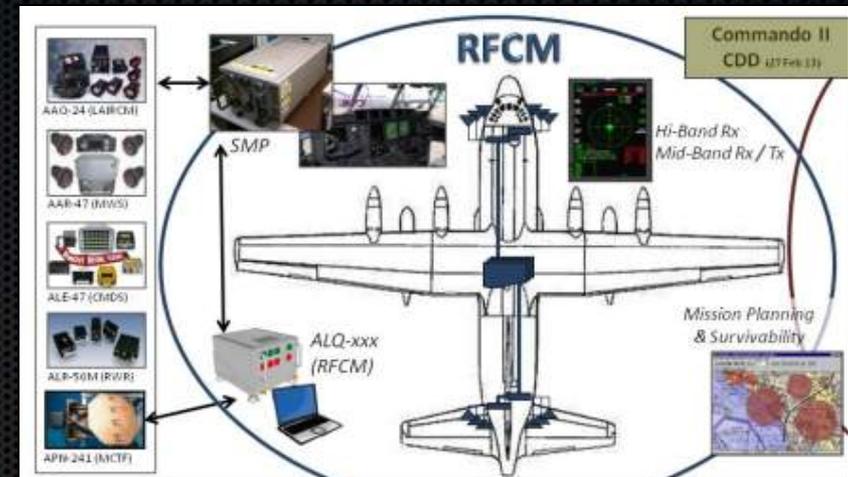
CURRENT CONTRACT/OEM

- Lockheed Martin (C-130J), Scientific Research Corporation & Northrup Grumman (MCTF Radar)
- Sargent Fletcher (Variable Speed Drouge), Various

FIXED WING

AC/MC-130J RF COUNTERMEASURES

- Improves aircraft survivability in hostile or denied territory
- Allows aircrew to detect, identify, locate and avoid RF threats
- Provides ability to deny, degrade, and disrupt threats with effective countermeasures



ACQUISITION STRATEGY

- Full and Open Competition
- CPIF Development Program
- FPIF Production Options

PERIOD OF PERFORMANCE

- EMD: 3QFY15 - FY19
- LRIP: FY17 – FY20
- FRP: FY19+

MILESTONES

- RFP: April 2014 (Draft)
May 2014 (Final)
- Milestone B: 3Q FY15

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- Included in C-130

CURRENT CONTRACT/OEM

- TBD

FIXED WING



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Mr. Tim McKelvey
Program Director

EMERGING
TECHNOLOGY

FIXED WING

EMERGING TECHNOLOGY

- Areas of Interest: Modular Platforms and Payloads
 - Mobility
 - Countermeasures, A2AD, Signature Management, Operator Workload, Modular Design
 - ISR
 - Endurance/Range, Multi-Int Sensors and Data Fusion, Enhanced Resolution, Flexible Mission Suites
 - Strike
 - Moving Targets, Enhanced Lethality, All WX/Terrain, Selectable Effects, Affordability



FIXED WING

EMERGING TECHNOLOGY



- Identify and Exploit Emerging Technology
Applicable to Fixed Wing Aircraft

- CRADAs
- TILO
- Studies
- Demos



ACQUISITION STRATEGY

- Robust set of contract vehicles for responsive FW integration

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Various

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY 14: \$876K
- FY 15: \$1.5M

CURRENT CONTRACT/OEM

- Multiple

FIXED WING

Mr. John Coglianesse

Program Director

UNMANNED AIRCRAFT
SYSTEMS AND
UNMANNED ISR

FIXED WING

UNMANNED INTELLIGENCE, SURVEILLANCE, & RECONNAISSANCE SYSTEMS

FW Priorities

- Improve Endurance/Signature/ Electrical Power
- Enhance Sensor Detection/Resolution
- Increase Training Simulation Realism/Availability
- Create Plug-N-Play Interface Capability
- Expand Control/Return Link Bandwidth
- Expeditionary/Rapid Transport
- Reduce Size/Weight/Power



FY14/FY15 Planned Efforts

- Extended Range
- High Def Full Motion Video
- Payload SWAP Reduction
- Improved Data Link Integration
- In-Flight Payload Switching
- Weapons Integration

FIXED WING

UNMANNED INTELLIGENCE, SURVEILLANCE, & RECONNAISSANCE SYSTEMS

- Provide Rapidly Deployable Multi-Intelligence ISR Capability in denied environments
- Provide persistent Intelligence, Surveillance, Reconnaissance and Targeting (ISR-T)



ACQUISITION STRATEGY

- Operational Systems in Sustainment with Evolutionary Technology Insertions
- Contractor Owned & Operated Services

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Post MS C, Tech Insertion Invest/Sustain

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY14: \$127M
- FY15: \$ 73M

CURRENT CONTRACT/OEM

- AeroVironment (Puma AE)
- Boeing/Insitu (Scan Eagle)
- General Atomics (MQ-1/9)
- Raytheon (MTS-A/B)
- Northrup Grumman (Payloads)

FIXED WING

Lt Col Lou Ruscetta

Program Director

MANNED ISR AND
NON-STANDARD
AVIATION SYSTEMS

FIXED WING

MANNED ISR AND NON-STANDARD AVIATION SYSTEMS

Small category commercial aircraft modified to support SOF ISR requirements and Short Takeoff and Landing (STOL) medium category, Intra-Theater airlift in support of TSOC mobility requirements.

FW Priorities:

- Field C-146A's with NSAV mods
 - The NSAV mods consist of: Communications package, CASEVAC, NVG compatibility, and troop and cargo capable interiors
- Execute approved Manned ISR Way Ahead
 - Modify aircraft as mission dictates



FY14/15 Planned Efforts:

- Start MC-12 SOF Mods
- Procure and mod two C-146 aircraft

FIXED WING

MANNED ISR AND NON-STANDARD AVIATION SYSTEMS

- Provide a manned fixed wing capability for tactical ISR in support of Theater Special Operations Forces.
- Provide dedicated mobility to Theater Special Operations Forces in austere and remote locations.



ACQUISITION STRATEGY

- Procure commercial aircraft and modify to meet SOF mobility and ISR requirements

PERIOD OF PERFORMANCE

- Various

MILESTONES

- ISR: Transition from U-28 to MC-12 aircraft
- NSAV: Production, Deployment, Operations, & Sustainment

POINT OF CONTACT

- 813.826.9482 (TILO)

PROC AND O&M FUNDING

- FY14: \$6M FY14: \$234M
- FY15: \$70M FY15: \$86M

CURRENT CONTRACT/OEM

- L3 Com
- Sierra Nevada Corp

FIXED WING