Col Michael Schmidt
Program Executive Officer
FIXED WING
PEO FIXED WING PORTFOLIO

**ISR - FIND**
- MQ-1
- MQ-9
- MEUAS
- Puma
- JAVAMAN
- Liberty
- RC-26
- U-28

**MOBILITY - INFILTRATE**
- CV-22
- EC-130J
- Dornier 328 C-146
- M-28 C-145A
- MC-130J MC-130P/H
- PC-12

**STRIKE - FINISH**
- AC-130U AC-130J
- AC-130H
- AC-130W
- SOPGM

MUNITIONS AND EMERGING TECHNOLOGY TRAINING & MISSION PLANNING

UNCLASSIFIED
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

Acquisition Executive

PEO-FW

BFM

Program Integration

Systems Engineering

DPEO-FW

Executive Assistant

Director, Unmanned ISR & UAS
- SUAS
- EUAS
- MEUAS
- MALET

Director, SOF 130s, CV-22 & MTPS
- MC-130H/P
- AC-130H/U
- MC-130J
- CV-22
- EC-130J
- SOMPE
- SBUD
- ESA

Director, ISP
- ISP
- AC-130W
- AC-130J
- BMS S/W
- SOPGM

Director, Manned ISR & NSAS
- U-28
- RC-26
- JAVAMAN
- LPA
- NSA
- AvFID

Director, Emerging Technology
- Technology Transition
- Analyses
- Technology Demos
- CRADAs

FIXED WING

UNCLASSIFIED
Lt Col Todd Darrah
AC-130J Program Manager
INTEGRATED STRIKE PROGRAMS
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
• 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

**FUNDING**
- FY14: $148M
- FY15: $191M

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

**CURRENT CONTRACT/OEM**
- SOFSA/Lockheed Martin, SNC, L3 WesCam, ForceX, Various

**POINT OF CONTACT**
- 813.826.9482 (TILO)
Mr. Erich Borgstede
Systems Acquisition Manager
STANDOFF PRECISION GUIDED MUNITIONS (SOPGM)
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
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

**FUNDING**
- FY14: $43M
- FY15: $31M

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

**CURRENT CONTRACT/OEM**
- Raytheon Missile Systems
- Boeing Defense, Space & Security
- Dynetics
- Textron

**POINT OF CONTACT**
- 813.826.9482 (TILO)
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
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

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

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

POINT OF CONTACT
- 813.826.9482 (TILO)
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

<table>
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<tr>
<th>ACQUISITION STRATEGY</th>
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<tr>
<td>Existing, competed contracts for minor acquisitions and CLS</td>
<td>Various</td>
<td>MS C: AC-130J Training System</td>
<td>AC-130J SIM: Lockheed Martin</td>
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<tr>
<td>Limited/full &amp; open competition contracts for major acquisitions</td>
<td></td>
<td>Post-MS C: SBUD</td>
<td>SBUD: Lockheed Martin, Sierra Nevada Corp, Opinicus, FSI, Various</td>
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<tr>
<td></td>
<td></td>
<td>Post-MS C: SOMPE</td>
<td>SOMPE: NTS, SAIC, Wyle, Nova, Various</td>
</tr>
</tbody>
</table>

**POINT OF CONTACT**
- 813.826.9482 (TILO)

**FUNDING**
- FY14: $30M
- FY15: $26M
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
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

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

**FUNDING**
- FY14: $115M
- FY15: $124M

**POINT OF CONTACT**
- 813.826.9482 (TILO)
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

CURRENT CONTRACT/OEM
- TBD

FUNDING
- Included in C-130

POINT OF CONTACT
- 813.826.9482 (TILO)
Mr. Tim McKelvey
Program Director
EMERGING TECHNOLOGY
EMERGING TECHNOLOGY

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

FUNDING
• FY 14: $876K
• FY 15: $1.5M

MILESTONES
• Various

CURRENT CONTRACT/OEM
• Multiple

POINT OF CONTACT
• 813.826.9482 (TILO)
Mr. John Coglianese
Program Director
UNMANNED AIRCRAFT SYSTEMS AND UNMANNED ISR
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
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

**FUNDING**
- FY14: $127M
- FY15: $ 73M

**MILESTONES**
- Post MS C, Tech Insertion Invest/Sustain

**CURRENT CONTRACT/OEM**
- AeroVironment (Puma AE)
- Boeing/Insitu (Scan Eagle)
- General Atomics (MQ-1/9)
- Raytheon (MTS-A/B)
- Northrup Grumman (Payloads)
Lt Col Lou Ruscetta
Program Director
MANNED ISR AND NON-STANDARD AVIATION SYSTEMS
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
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
- FY15: $70M
- FY14: $234M
- FY15: $86M

CURRENT CONTRACT/OEM
- L3 Com
- Sierra Nevada Corp