Col Duke Richardson
Program Executive Officer - Fixed Wing
# Find - Infiltrate - Finish

## MOBILITY
- CV-22
- MC-130E Talon
- MC-130H Talon II
- MC-130P Shadow
- MC-130 Recap
- MC-130W Combat Spear
- EC-130J
- Non-Standard Aviation Systems

## MISSION SYSTEMS
- Silent Knight Radar
- Directional Infrared Countermeasures

## ISR
- MQ-1
- MQ-9
- EUAS
- MEUAS
- SUAS
- Global Observer

## STRIKE
- AC-130H Spectre
- AC-130U Spooky
- MC-130W Dragon Spear
- SOPGM
- AC-130 Recap

## Fixed Wing
- United States Special Operations Command
- CV-22
- MC-130E Talon
- MC-130H Talon II
- MC-130P Shadow
- MC-130 Recap
- MC-130W Combat Spear
- EC-130J
- Non-Standard Aviation Systems
CV-22 SOF Osprey

Provides Long-Range, High Speed, All Weather, Infiltration, Exfiltration, and Resupply of Special Operations Forces Teams in Hostile, Denied, and Politically Sensitive Areas in a Single Period of Darkness

Technology Upgrades/Current Efforts

- Block 10 Retrofit (DIRCM, Silent Shield, Improved FE Seat/Display, Troop CDR Station)
- Block 20 Development (Avionics Upgrades and Correction of Deficiencies, TF Improvements, Improved Crew Interfaces, HMD)
- Joint Performance Based Logistics (JPBL) for Long Term Sustainment
MC-130 Recapitalization

In Line Modifications on the HC/MC-130J Production Line to Meet SOF Specific Operational Requirements

Current Efforts
• Inc 1 (LPI Beacon Group A, 60 Hz Power Outlets, Aux Flight Deck Station)
• Inc 2 (Loadmaster/Scanner Restraint System, HSLLADS Rollers & Power, LAIRCM Group A Provisions)
• Inc 3 (Special Mission Processor, Secure Global Digital Map, Horizontal Situational Awareness)
Variable Speed Drogue (VSD)

Refuel CV-22 or Two Helicopters Simultaneously Without Landing to Reconfigure

Current Efforts
- Continue Competitive Drogue Development
- Qualify Drogues on Receiver Aircraft
AC-130 Recapitalization

Replace 8 AC-130H Aircraft With 16 AC-130Js by Leveraging HC/MC-130J and Dragon Spear Production Lines

Current Efforts

• Program Initiation & Risk Reduction

Medium-Caliber Gun

Dual EO/IR Sensors

SOF Comms Suite

SOPGMs

Crew Workstations
Fire Control System
Mission Management

Fixed Wing
Silent Knight Radar

Develop, Test, and Field a SOF Common Terrain Following/Terrain Avoidance (TF/TA) Multi-Mode Radar (MMR) For SOF Aircraft

Current Efforts:
- Continue Engineering and Manufacturing Development
- Conduct Prototype Radar Integration and Testing
- Begin Contractor Flight Testing
- Build MH-47G Integration Kit
- Refine Developmental Test Plans
Expeditionary UAS

Dedicated UAS Providing On-Demand ISR Capabilities to SOF Groups and Squadrons

Current Efforts

- 5 Year IDIQ Contract Awarded 11 Sept 09
- Producing Low Rate Production Systems
  - Buying 9 Aircraft & 3 Ground Control Stations
  - Scheduled Deliveries Start Summer 2010
- Three Operator Training Classes
- Operational Assessment
Mid-Endurance UAS

World-Wide Deployable Contractor Owned Contractor Operated (COCO) Airborne ISR

Technology Interest Areas
- Next Generation IR Camera
- Encrypted Digital Data Link
Competitive Acquisitions

- **Mission Computer Replacement Program (MCRP)**
  - Replace AP-102 Mission Computer on AC-130U and MC-130H

- **Lethal Miniature Aerial Munitions System (LMAMS)**
  - Introduces New Capability for Man-Portable Precision Guided Flying Munitions

- **Mid-Endurance Unmanned Aircraft System (MEUAS)**
  - Provides Intelligence Gathering, Target Surveillance, and Reconnaissance (ISR) Services
MCRP

- Address Obsolescence/DMS Issues
- Future Growth Capability (Memory/Processing Speed/Growth Ports/Slots) Will Only be a Function of Currently Available Technology
- Solution is Not Tied to AMP Future and Will Not Provide CNS/ATM Compliance

<table>
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<tr>
<th>Acquisition Strategy</th>
<th>Period of Performance</th>
<th>Milestones</th>
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</table>
| • Full & Open Competition  
  • Competitive Prototyping  
  • Up to 130 systems | • FY10-14 | • Market Research:  Mar 10  
  - RFI: May 10  
  - Industry Day: 29 Jun – 1 Jul  
  - Finalize Acquisition Docs: Sep 10  
  - Initiate Solicitation (RFP):  Oct 10  
  - Award Development Contract(s): 2QFY11 |

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<tr>
<th>Point of Contact</th>
<th>Funding</th>
<th>Current Contract/OEM</th>
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| • USSOCOM SORDAC-FW | • FY10: $4.6M  
  • FY11: $24.6M  
  • FY12-14: TBD | • N/A |
**LMAMS**

- Planning Limited Procurement of Commercially Available Systems for Evaluation
- Anticipate RFP Release in 4th Qtr FY10

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<td>• Limited Procurement of NDI systems for Evaluation</td>
<td>• One-Time Procurement</td>
<td>• RFP Release: 4th Qtr FY10</td>
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<td>• Contract Award: 1st Qtr FY11</td>
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<td>• Combat Evaluation: 1st Qtr FY11</td>
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<td>• RDT&amp;E</td>
<td>• None / None</td>
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MEUAS

- World-Wide Mid-Endurance Unmanned Aircraft System Providing Intelligence Gathering, Target Surveillance, and Reconnaissance (ISR) Services
- Turn-Key Operation - 24/7 ISR Product Availability Up To 900 Flight Hours Per System Per Month
- Currently Five Detachments Providing 3,000 Flight Hours Per Month – Driven by Operational Needs

**Acquisition Strategy**
- Full and Open Competition for Contractor Owned Contractor Operated Turn-Key ISR Services

**Period of Performance**
- Firm Fixed Price, 5 Year Indefinite Delivery Indefinite Quantity (IDIQ)

**Milestones**
- RFP Release 1st Qtr 2011
- Contract Award 3rd Qtr 2011

**Funding**
- Supplemental / OCO O&M
- Varies Annually

**Current Contract/OEM**
- MEUAS / Boeing-Insitu

**Point of Contact**
- USSOCOM SORDAC-FW
PEO-FW Break-Out Sessions

Wed, 16 Jun @ 1300-1345 - Ballroom A
Thu, 17 Jun @ 1515-1600 - Ballroom A

Discussions
• Cost of Ownership
• Situational Awareness - Brownout Landings
• Situational Awareness - Battlespace Awareness
• Aircraft Self Protection

Fixed Wing