

# Special Operations Forces Industry Conference



## Col Duke Richardson

Program Executive Officer - Fixed Wing

**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

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# 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

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# 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, HSSLADS Rollers & Power, LAIRCM Group A Provisions)
- Inc 3 (Special Mission Processor, Secure Global Digital Map, Horizontal Situational Awareness)

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# 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

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# AC-130 Recapitalization



Medium-Caliber Gun



Dual EO/IR Sensors



SOF Comms Suite



Crew Workstations  
Fire Control System  
Mission Management



SOPGMs



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

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# Silent Knight Radar

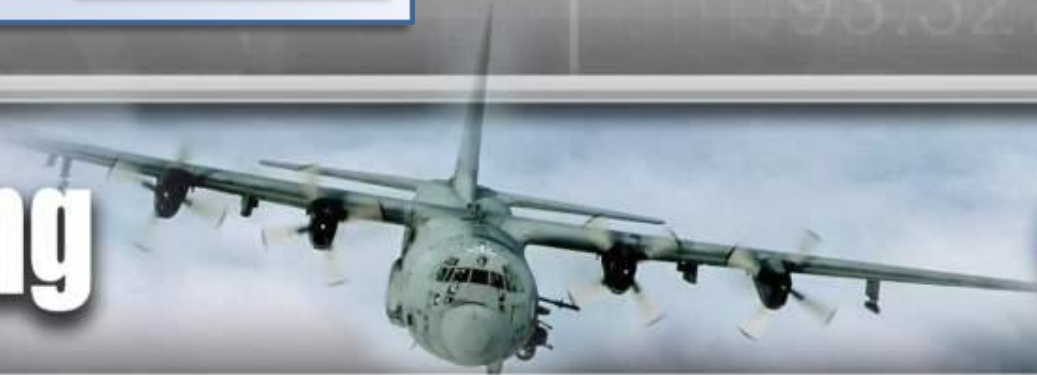
Develop, Test, and Field a SOF Common Terrain Following/Terrain Avoidance (TF/TA) Multi-Mode Radar (MMR) For SOF Aircraft



## 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

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# 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

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# Mid-Endurance UAS

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



## Technology Interest Areas

- Next Generation IR Camera
- Encrypted Digital Data Link

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# 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

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# 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

## Acquisition Strategy

- Full & Open Competition
- Competitive Prototyping
- Up to 130 systems

## Period of Performance

- FY10-14

## Milestones

- 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

## Point of Contact

- **USSOCOM  
SORDAC-FW**

## Funding

- FY10: \$4.6M
- FY11: \$24.6M
- FY12-14: TBD

## Current Contract/OEM

- N/A

# LMAMS

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

## Acquisition Strategy

- Limited Procurement of NDI systems for Evaluation

## Period of Performance

- One-Time Procurement

## Milestones

- RFP Release: 4th Qtr FY10
- Contract Award: 1st Qtr FY11
- Combat Evaluation: 1st Qtr FY11

## Point of Contact

- **USSOCOM**  
**SORDAC-FW**

## Funding

- RDT&E

## Current Contract/OEM

- None / None

# 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

## Point of Contact

- USSOCOM SORDAC-FW

## Funding

- Supplemental / OCO O&M
- Varies Annually

## Current Contract/OEM

- MEUAS / Boeing-Insitu

# 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

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