Acquisition Principles

- Deliver Capability to the User Expeditiously
- Exploit Proven Techniques and Methods
- Keep Warfighters Involved Throughout the Process
- Unconventional Thinking Is a Key ENABLER
- Credibility Enables Freedom of Action
- Take Risk and Manage It!
SOF Acquisition Truths

FAST *does not equal* UNDISCIPLINED

MORE BUREAUCRACY *does not ensure* a BETTER PRODUCT

RISK *must be* MANAGED NOT AVOIDED

FASTER *does not have to increase* COST/RISK

COMPETITION *can be done* QUICKLY

UNCONVENTIONAL THINKING *is an* ENABLER

CREDIBILITY AND TRANSPARENCY *enable* FREEDOM OF ACTION

ACCELERATING THE FORCE IS OUR ACQUISITION KPP
Find – Infiltrate - Finish

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

**MISSION SYSTEMS**
- Directional Infrared Countermeasures
- Silent Knight Radar
- Training and Mission Planning

**ISR**
- SUAS
- MEUAS
- EUAS
- MQ-1 / MQ-9
- Special Mission Aircraft

**STRIKE**
- AC-130H Spectre
- AC-130U Spooky
- AC-130J
- MC-130W Dragon Spear
- SOPGM

**FIXED WING**
CV-22 SOF Osprey

- **Mission:** Provides Long-Range, High Speed, All Weather, Infiltration, Exfiltration, and Resupply of SOF Teams in Hostile, Denied, and Political Sensitive Areas in a Single Period of Darkness

- **Urgent Deployment Acquisition Initiative** – Enhanced Situational Awareness (ESA) Will Provide Interoperability with SOF C2 Nodes, SOF A/C, and SOF Ground Teams

  - **BOI:** 50  **FOC:** FY16
  - **Total on Hand:** 18

**Technology Upgrades/Current Efforts**

- **Block 10 Retrofit**
- **Block 20 Development/Production**
- **Joint Performance Based Logistics (JPBL) for Long Term Sustainment**
- **Low Cost Mods**
Non-Standard Aviation (NSAV)

- Provides Short Takeoff and Landing (STOL), Light and Medium Category, Intra-Theater Cargo Aircraft to Support TSOC World-Wide Mobility Requirements
- Provides Increased SOF Flexibility and Capability in Supporting Austere and Remote Locations Not Serviced by Reliable and Safe Commercial Aviation Service

- BOI: 38 (21 Light, 17 Medium)

Technology Interest Areas
- Modular Mission Equipment

FIXED WING
SOFC-130 EC-130J Commando Solo

- Airborne Military Information Support Operations (MISO) Broadcast Platform
- Broadcasts TV and Radio Programs to Military and Civilian Target Audiences in Support of COCOM Information Operations Campaigns
- 193rd Special Operations Wing (AFSOC)
  - Pennsylvania ANG

Technology Upgrades/Current Efforts
- Digital Solo
- Narrow Band/Broad Band (NB3)

- BOI: 7
- Total on Hand: 7
AC/MC-130 Recapitalization

CDR USSOCOM Memo, 30 Jun 09

“Our goal is to ultimately recapitalize our fleet of AC-130 and MC-130 aircraft. Our current program of record recapitalizes our fleet of 37 MC-130E/P SOF tankers by 2016 with MC-130Js. We intend to further recapitalize and expand our fleet of 25 AC-130H/U to 33 Precision Strike Package-equipped aircraft. In the future, we will also need to recapitalize our 32 MC-130W/Hs.”
SOF C-130 Tankers (MC-130E/P/J)

- Provides Day/Night Mobility in Politically Denied/Sensitive Areas

Technology Upgrades/Current Efforts
- Variable Speed Drogue (VSD)
- MC-130 E & P Recap Program (MC-130J) including Increments 1 & 2
  Special Mission Processor (Inc 3)
- Defensive Systems

- BOI: 14 MC-130E; 23 MC-130P
- Total on Hand: 9 MC-130E; 23 MC-130P
SOF C-130 Penetrators (MC-130H/W/J)

- Provides Day/Night Mobility in Politically Denied/Sensitive Areas
- Provides Deep Penetrating Helo Refueling During SOF Operations

Technology Upgrades/Current Efforts
- MC-130H/W Recap Program (MC-130J) including Increments 1 & 2
- Special Mission Processor (Increment 3)
- TF/TA Radar
- Defensive Systems

- BOI: 12 MC-130W; 20 MC-130H
- Total on Hand: 12 MC-130W; 20 MC-130H
SOF C-130 Strike (AC-130H/U/J)

- Provides Close Air Support, Air Interdiction, and Armed Reconnaissance

Technology Upgrades/Current Efforts
- AC-130H Recap program (AC-130J)
- Special Mission Processor (Inc 3)
- Precision Strike Package (PSP)
- AAQ-39 Sensor Upgrade (GMS-2)
- Defensive Systems

- BOI: 8 AC-130H; 17 AC-130U
- Total on Hand: 8 AC-130H; 17 AC-130U
Precision Strike Package
Dragon Spear (MC-130W)

♦ Provides Limited Day/Night Mobility
♦ Provides Armed Over-Watch Capability
♦ Precision Guided Munitions
♦ Medium-Caliber Gun

Dragon Spear Precision Strike Package (PSP) Completed Modification to MC-130W

SOPGMs

Dual EO/IR Sensors

Crew Workstations
Fire Control System
Mission Management

SOF Comms Suite

Medium-Caliber Gun

♦ BOI: 12
♦ Total on Hand: 10

Technology Upgrades/Current Efforts
♦ Dragon Spear Precision Strike Package (PSP)
Precision Strike Package AC-130J

- Provide Close Air Support, Armed Recon, and Armed Over-Watch Capability
- Precision Guided Munitions
- Medium-Caliber Gun

Technology Upgrades/Current Efforts

- Tactical Payload Integration
- Precision Strike Package (PSP)

- BOI: 16
- Total on Hand: 0
Small Unmanned Aircraft Systems (SUAS)

- Provides Rapidly Deployable Multi-Intelligence ISR Capability In Denied Environments

- Capabilities
  - 2+ Hour Endurance
  - 1,200 Ft AGL Surveillance Altitude
  - 14,000 Ft MSL Flight Altitude
  - Flexible Support For Land and Maritime Operations
  - Ease of Mobility (Man-Portable)
  - Digitally Stabilized Gimbaled Payload; Dual EO/IR

- BOI: 90

Technology Upgrades/Current Efforts
- Digital Data Link (DDL) Retrofits
- Improved Image Processing
- Greater Endurance
Mid-Endurance Unmanned Aircraft System

- Provides World-Wide Contractor Owned and Operated ISR Services
- Capabilities:
  - Target Development and Video Capture
  - Route Reconnaissance

Technology Interest Areas
- Next Generation IR Camera
- Dual EO/IR
- Encrypted Digital Data Link

FIXED WING
Expeditioary Unmanned Aircraft Systems

- Provides a Dedicated Land-Based ISR Capability to SOF Task Groups and Squadrons

- Capabilities:
  - 6 Hour Endurance with 100 Pound Payload
  - 70 nm Data Link Range
  - 10,000 Ft MSL Flight Altitude
  - Fully Automatic Take-Off and Landing
  - EO/IR Sensor with Laser Illuminator
  - Transport Full System in $\leq 2$ C-130s

Technology Upgrades/Current Efforts

- Payload Enhancements
  - BOI: 1.5
  - Total on Hand: 1

*A System Consists of 6 Air Vehicles and 2 Ground Control Stations*
Medium Altitude Long Endurance Tactical (MALET)

- Provides Persistent Intelligence, Surveillance, Reconnaissance, and Targeting (ISR-T)

- Capabilities
  - 18-24 hour endurance
  - BLOS
  - Altitude: 25K ft MQ-1; 50K ft MQ-9
  - Range: 770 miles MQ-1; 1,150 miles MQ-9
  - Payload: 750 lbs MQ-1; 3,800 lbs MQ-9
  - Transmission of Full-Motion Video
  - Geographic Location of Ground Elements

Technology Interest Areas
- Payload Enhancements
- Multiple secure radios
- Additional EO/IR sensor

- BOI: 32 MQ-1; 25 MQ-9
- Total on Hand: 29 MQ-1; 11 MQ-9
Training And Mission Planning

Training Programs of Record
- Simulator Block Updates (SBUD)
- MC-130W Simulators
- AC-130U Sensor Part Task Trainer (SPTT)
- AC-130U Electronic Warfare Officer (EWO) Station
- U-28A Aircrew Training System (ATS)

Mission Planning Programs of Record
- Special Operations Mission Planning Environment (SOMPE)

Technology Upgrades/Current Efforts
- Desk Top Trainers/Deployable Task Trainers
- 3D/Virtual Reality/Gaming Technology
- Migration To Joint Mission Planning System
Silent Knight Radar

- Provides a SOF-Common Terrain-Following, Terrain-Avoidance (TF/TA) Multi-Mode Radar

**Current Efforts:**
- Continue Engineering and Manufacturing Development
- Continue Prototype Radar Integration and Testing
- Continue Contractor Flight Testing
- Install MH-47G/MH-60M Integration Kits
- Refine Developmental Test Plans

**Technology Upgrades:**
- Digital Map/Radar Blending
- Solid State Transmitter
Upcoming Acquisitions

- Mid-Endurance Unmanned Aircraft System (MEUAS) II
- SOF Common TF/TA Radar for MC-130J
- Small UAS Payloads
- AC-130J PSP Integration
- AC/MC-130J Defensive Systems
MEUAS II

- 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 Site Per Month
- Currently Five Detachments Providing 2,000 Flight Hours Per Month – Driven by Operational Needs

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<th>Acquisition Strategy</th>
<th>Period of Performance</th>
<th>Milestones</th>
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<tr>
<td>Full and Open Competition for Contractor Owned Contractor Operated Turn-Key ISR Services</td>
<td>Firm Fixed Price, 5 Year Indefinite Delivery Indefinite Quantity (IDIQ)</td>
<td>RFP Release 8 Apr 2011 Contract Award 1st Qtr 2012</td>
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<td>Supplemental / OCO O&amp;M Varies Annually</td>
<td>MEUAS / Boeing</td>
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MC-130J Terrain Following/Terrain Avoidance Radar System (MCTF)

- Provides Low Probability of Intercept/Low Probability of Detect TF/TA capability for new MC-130J Talon III aircraft
- Two Phase Approach - Single Line-of-Sight Radar in Phase I; Second Line-of-Sight in Phase II

**Acquisition Strategy**
- Full and Open Competition for Development of Phase I with hooks for Phase II

**Period of Performance**
- Cost Plus Type contract for Development, Firm Fixed Price for Production

**Milestones**
- RFP Release: 3rd Qtr 2011
- Contract Award: 1st Qtr 2012

**Funding**
- MFP-11 RDT&E and PROCUREMENT Varies Annually

**Current Contract/OEM**
- MC-130J / Lockheed Martin

**Point of Contact**
- USSOCOM SORDAC-FW
Small UAS Payloads

- Identify, develop, integrate and test SOF-unique mission kits for group 1-3 UAS
- Test EW payloads that provide added capabilities to find, fix and finish time-sensitive, high-value targets

**Acquisition Strategy**
Partner with Naval Special Warfare and integrate and test on USSOCOM UAS

**Period of Performance**
TBD

**Milestones**
- RFP Release: TBD
- Contract Award: TBD

**Point of Contact**
USSOCOM SORDAC-FW

**Funding**
MFP-11 RDT&E and Procurement

**Current Contract/OEM**
FY12 New Start
AC-130J Precision Strike Package Integration

- Mission Equipment Integration onto MC-130J to Convert to AC-130J Configuration
- Aircraft Modifications to Accommodate Gun System, Sensors, PGMs, Operator Consoles, & Comms

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<td>New Start</td>
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UNCLASSIFIED
**AC/MC-130J Defensive Systems**

- Improve MC-130J Defensive Systems and Situational Awareness
- Requirement built on TERESA, ASACM, and LAIRCM CDDs

### Acquisition Strategy
- Full and Open Competition

### Period of Performance
- Cost Plus Type contract for Development, Firm Fixed Price for Production

### Funding
- MFP-4 and MFP-11 RDT&E and PROCUREMENT
- Varies Annually

### Milestones
- Study/AoA: 4th Qtr 2011
- RFP Release: TBD
- Contract Award: TBD

### Point of Contact
- USSOCOM SORDAC-FW

### Current Contract/OEM
- MC-130J / Lockheed Martin