Special Operations Forces Industry Conference

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Program Executive Officer – Fixed Wing

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AFSOC/A5R

Enhanced Capabilities

Fixed Wing

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

Major Areas of Interest

- Cost of Ownership
- Aircraft Self Protection
- High-Resolution NVG-Compatible Airworthy Displays
- Improved TF/TA Capabilities and Techniques
- Time-Sensitive, Interoperable Mission Planning
- Training System Enhancements
- Digital Broadcasting of EC-130J
- Improved EO/IR Sensors
- Lightweight Cabin and Flight Deck Armor for SOF C-130
- UAS Endurance
- UAS Data Links
- Austere UAS Launch and Recovery
- Plug-and-Play UAS Payloads
- ISR Payloads with Ability to Auto Detect, Track, and Identify Targets
- BLOS for Manned and Unmanned Aircraft
- Reduced UAS Signatures
- Fuel Saving Methods and Equipment
- Cooperative Sensing and Targeting
- Enhanced Strike Capability

NSAS

FY12 Planned Efforts

- Medium NSAv Procurement

Technology Upgrades/ Current Efforts

- Block 20 NSAv-Medium Upgrade
- Low-Cost Mods
- Upgraded Communication Suite

SOF C-130

FY12 Planned Efforts

- SOF C-130 Low-Cost Mods Program
- Special Mission Processor (Increment 3)
- TF/TA Radar for MC-130J
- LAIRCM Next Gen
- APQ-170 SLEP
- Complete NB3 for EC-130J

Technology Upgrades/Current Efforts

- AC-130U/MC-130H MCRP
- Defensive Systems
- Enhanced Situational Awareness
- CNS/ATM for Legacy Aircraft
- Digital Solo for EC-130J

Precision Strike Package
DRAGON SPEAR/AC-130J

FY12 Planned Efforts

- Dragon Spear Transition To Sustainment
- Precision Strike Package Integration
- Airframe Modification Studies

Crew Workstations
Fire Control System
Mission Management

SOPGMs

Dual EO/IR Sensors

SOF Comms Suite

Medium-Caliber Gun

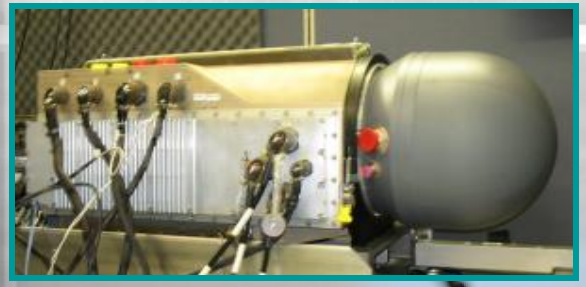
Technology Upgrades/Current Efforts

- All-Weather Weapons Capability
- Expand Ordnance Package
- Upgrade Sensor Suite

Mission Systems

FY12 Planned Efforts

- Continue Simulator Block Updates (SBUD)
- Continue Mission Planning Improvements
- Continue Silent Knight Radar Engineering Manufacturing and Development
- Transition Directional Infrared Countermeasures (DIRCM) Sustainment Management to Air Force

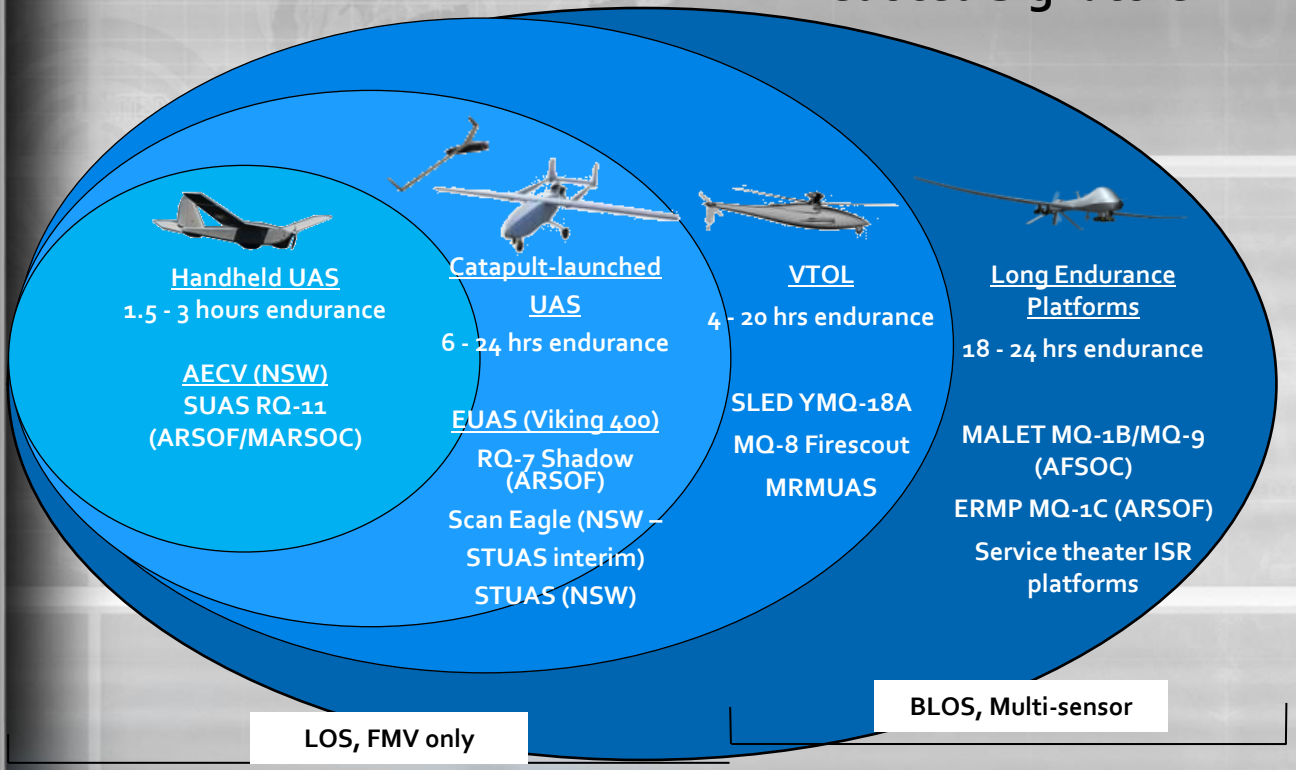


Technology Upgrades/Current Efforts

- Migration To Joint Mission Planning System
- Desk Top Trainers/Deployable Task Trainers
- 3D/Virtual Reality/Gaming Technology
- Multi-Mode Radar (MMR) / Digital Map Blending
- MMR Solid State Transmitter

Unmanned Aerial Systems

UAS Requirement: Penetrate Denied Areas with Element of Surprise and a Reduced Signature



Payloads Need to Provide

- Intelligence, Surveillance, Reconnaissance, & Targeting
- Communications Relay
- Weapons Delivery

Areas of Interest: Payload Enhancements, Improved EO/IR Capability, Real-time Situational Awareness, Reduced Operator Workload

CV-22 SOF Osprey

FY 12 Planned Efforts

- Complete Block 10 Retrofit
- Block 20 Upgrades and Corrections of Deficiencies
- Low-Cost SOF Mods
- Continue Joint Performance Based Logistics (JPBL) Phase I (Integrated Logistics Elements)
- Start JPBL Phase II Supply Chain Management

Technology Upgrades/Current Efforts

- DIRCM Retrofit (GLTAs)
- SIRFC Upgrades (Cabling, Power, Anti-Ice)
- Block 20 Avionics Upgrades (TF, Digital Mapping, HMD)
- Low-Cost Mods