

Special Operations Forces

Industry Conference



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**Program Executive Officer
Fixed Wing Aircraft**

FIXED WING



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ISR - FIND



MQ-1



MQ-9



Puma



MEUAS II



JAVAMAN



Liberty



RC-26



U-28

MOBILITY- INFILTRATE



CV-22



EC-130J



Dornier
328



M-28



PC-12



MC-130J
MC-130E/P/H

STRIKE-FINISH



AC-130U
AC-130J



AC-130H



AC-130W



SOPGM

**MUNITIONS AND EMERGING
TECHNOLOGY
TRAINING & MISSION PLANNING**

Major Areas of Interest

- ◆ Cost of Ownership
- ◆ Improved EO/IR Sensors (Hi Def)
- ◆ Enhanced Strike Capability
- ◆ Improved Targeting and Seeking
- ◆ Improved TF/TA Capabilities and Techniques
- ◆ Upgraded Defensive Systems and Improved Jamming Capabilities
- ◆ Enhanced Situational Awareness
- ◆ Automated Filtering, Processing, Exploitation, and Dissemination of Full Motion Video
- ◆ UAS Endurance
- ◆ Reduced UAS Signatures
- ◆ Aircraft Self Protection
- ◆ Time-Sensitive, Interoperable Mission Planning
- ◆ Training System Enhancements



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Unmanned Intelligence, Surveillance, & Reconnaissance Systems

FY13 Planned Efforts

- Transition Mid-Endurance
- Upgrade EO/IR Sensors to HD
- Video Encryption
- Moving Target Tracker



MQ-9



MQ-1



Aerosonde Mk 4.7



Scan Eagle



Puma AE

Technology Upgrades/ Current Efforts

- Improve EO/IR Sensors
- Communications Relay
- Improve Endurance
- Reduced Signature
- Reduce Operator Workload



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Manned Intelligence, Surveillance, & Reconnaissance Systems

FY13 Planned Efforts

- ◆ PC-12 Conversion to U-28
- ◆ Upgrade EO/IR Sensors



JAVAMAN & Liberty



U-28



PC-12

Technology Upgrades/Current Efforts

- ◆ Improve EO/IR Sensors



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CV-22 SOF Osprey

FY 13 Planned Efforts

- ◆ Crew Enhanced Situational Awareness (ESA)
- ◆ Block 20 Upgrades and Corrections of Deficiencies
- ◆ Low Cost SoF Mods
- ◆ Continue Joint Performance Based Logistics (JPBL) (Integrated Logistics Elements)



◆ Technology Upgrades/Current Efforts

- ◆ Crew Enhanced Situational Awareness (ESA)
- ◆ SIRFC Upgrades (Cabling, Power, Anti-Ice)
- ◆ Block 20 Avionics Upgrades (TF, Digital Mapping, HMD)
- ◆ Low Cost Mods



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Non Standard Aircraft Systems

FY13 Planned Efforts

- ◆ Medium NSAv Procurement
- ◆ AvFID Procurement



Technology Upgrades/Current Efforts

- ◆ Block 20 NSAv-Medium Upgrade
- ◆ AvFID & NSAv Low-Cost Mods



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SOF C-130S

- ◆ FY13 Planned Efforts
- ◆ SOF C-130 Low Cost Mods Program
- ◆ MC-130J Special Mission Processor (Increment 3)
- ◆ TF/TA Radar for MC-130J
- ◆ LAIRCM Next Gen for MC-130J



Technology Upgrades/Current Efforts

- ◆ Defensive Systems (RFCM)
- ◆ Enhanced Situational Awareness
- ◆ CNS/ATM for Legacy Aircraft
- ◆ Digital Solo for EC-130J

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Precision Strike Package

AC-130J/AC-130W

FY13 Planned Efforts

- ◆ AC-130J PSP Modification #1
- ◆ Large Caliber Gun Integration Studies
- ◆ Small Diameter Bomb Deployment
- ◆ Synthetic Aperture Radar (SAR) Pod Integration



*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 Human System Interface

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Munitions and Emerging Technology

FY13 Efforts

- ◆ Hi-Def Upgrades on MQ-1/9s & U-28s
- ◆ Field Improved SOPGM Warhead
- ◆ Field Improved SOPGM Seeker
- ◆ Explore Alternate CLT Launch Capable Munitions



Goal: Improve first pass lethality against moving targets

Technology Upgrades/Current Efforts

- ◆ Guided-Clean Area Weapon (G-CLAW) CRADA
- ◆ SDB Integration onto Gunships
- ◆ Laser SDB Demonstration
- ◆ AC-130W Hellfire Demonstration



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Mission Systems

FY13 Planned Efforts

- ◆ AC-130J Weapon System Trainer Development
- ◆ AC-130J Mission Training Device Procurement
- ◆ Continue AC-130U Simulator Block Updates
- ◆ Continue X-Plan Mission Planning Developments



◆ Technology Upgrades/Current Efforts

- ◆ AC-130U Weapon System Trainer Updates
- ◆ Desk Top Trainers/Deployable Task Trainers
- ◆ X-Plan Mission Planning Developments
- ◆ 3D Multi-Dimensional Viewer



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