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
Unmanned Intelligence, Surveillance, & Reconnaissance Systems

FY13 Planned Efforts
- Transition Mid-Endurance
- Upgrade EO/IR Sensors to HD
- Video Encryption
- Moving Target Tracker

Technology Upgrades/
Current Efforts
- Improve EO/IR Sensors
- Communications Relay
- Improve Endurance
- Reduced Signature
- Reduce Operator Workload
Manned Intelligence, Surveillance, & Reconnaissance Systems

FY13 Planned Efforts
- PC-12 Conversion to U-28
- Upgrade EO/IR Sensors

Technology Upgrades/Current Efforts
- Improve EO/IR Sensors
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
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
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
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

Technology Upgrades/Current Efforts

◆ All-Weather Weapons Capability
◆ Expand Ordnance Package
◆ Upgrade Human System Interface
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
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