



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Col Michael Schmidt
Program Executive Officer

Fixed Wing Aircraft



Mission Statement

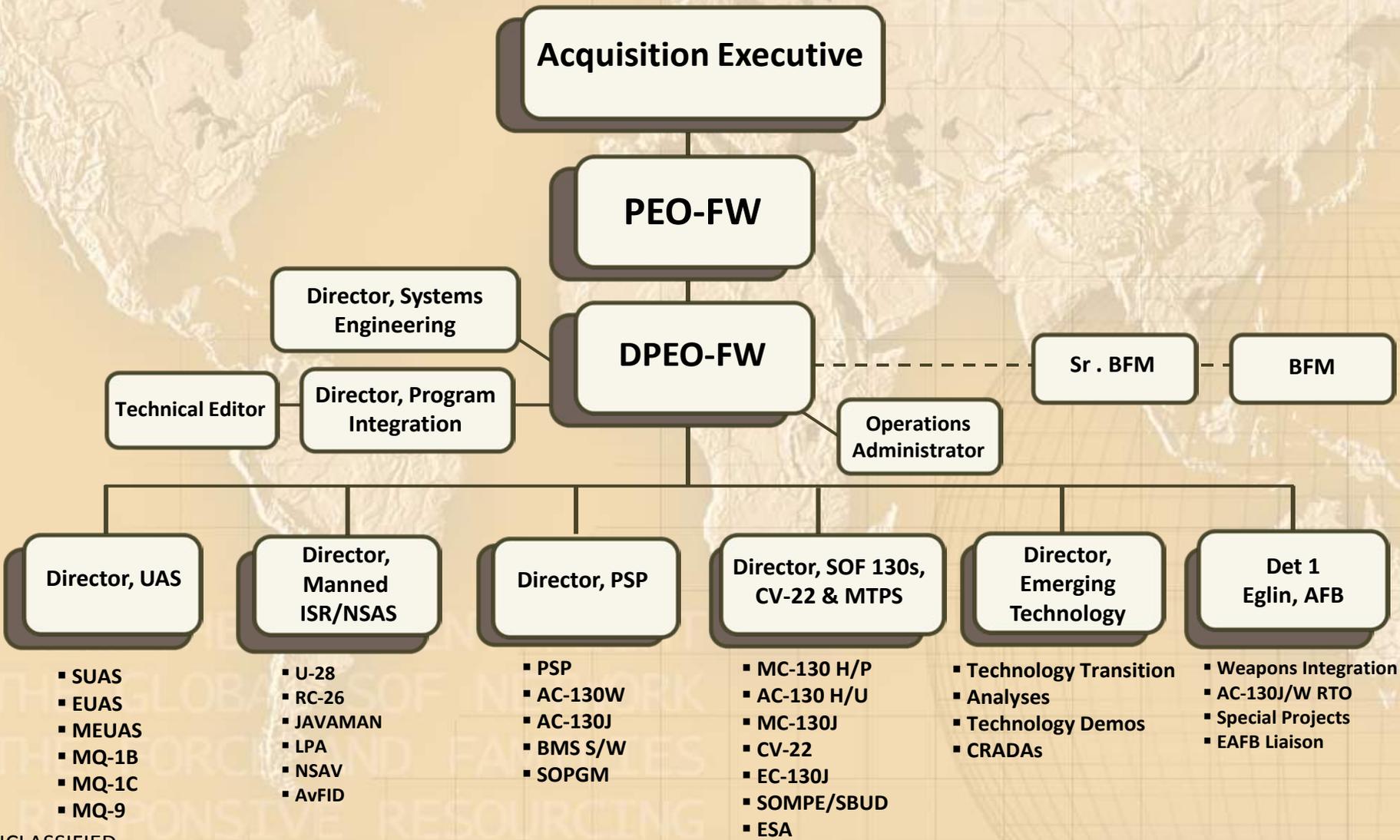
To deliver Special Operations (SO)-peculiar manned and unmanned fixed wing airpower capabilities to effectively enable Special Operations Forces (SOF).

PEO-FW partners with the Warfighter and various development and support organizations to synchronize acquisition activities to field an array of advanced technology sensors, defensive countermeasures, advanced avionics, munitions and gun systems, and mission training systems.

The low-density, high-demand nature of the SOF fixed wing fleet is a key driver in the acquisition approaches used to continue to improve and sustain the force. The high operational tempo of these aircraft requires innovative means to incorporate capability and sustainment improvements while ensuring adequate aircraft availability.

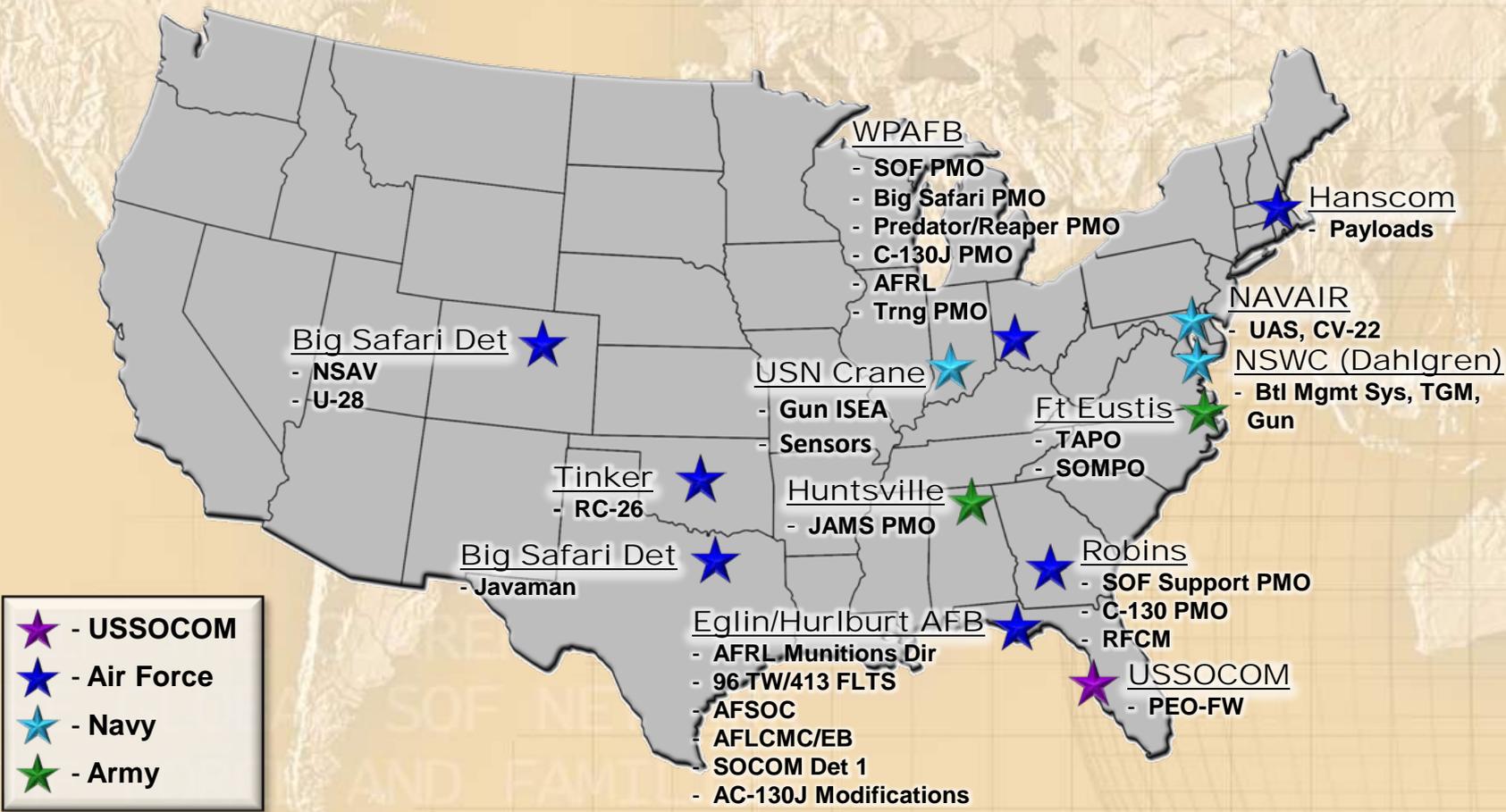


PEO-FW Organization





PEO-FW Government Acquisition Support Enterprise



- USSOCOM
- Air Force
- Navy
- Army



Fixed Wing

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



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



PC-12

STRIKE-FINISH



AC-130U
AC-130J



AC-130H



AC-130W



SOPGM



**EMERGING TECHNOLOGY
MISSION TRAINING AND PLANNING
SYSTEMS**



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Mr. David M. Breede

Program Director

Precision Strike Package

AC130J/AC130W



UNCLASSIFIED

Precision Strike Package AC130J/AC130W

FW Priorities

- ◆ 37 MC-130Js Modified With A Precision Strike Package (PSP) For Conversion Into AC-130J Gunships
- ◆ 12 Fielded AC-130Ws With PSP Installed
- ◆ The PSP Currently Consists Of:
 - A Single 30mm Gun
 - Stand Off Precision Guided Munitions
 - 2 EO/IR Sensors
 - Synthetic Aperture Radar
 - Mission Operator Consoles
 - Fire Control & Battle Management SW
 - A Robust Comms Package



FY13/14 Planned Efforts

- ◆ Future Capability Enhancements Include Large Caliber Gun & Additional Munitions



Precision Strike Package AC130J/AC130W

- ◆ Provide Armed Over Watch, CAS, And Precision Strike In Support Of Ground Forces



ACQUISITION STRATEGY

- Modify donor MC-130 aircraft with proven Precision Strike Package

PERIOD OF PERFORMANCE

- Various

MILESTONES

- AC-130J: Post MSB, Engineering & Manufacturing Development
- AC-130W: Production & Sustainment

POINT OF CONTACT

Mr. David Breede
(813) 826-0078

FUNDING

- FY13: \$126M
- FY14: \$159M

CURRENT CONTRACT/OEM

- SOFSA/Lockheed Martin, SNC, L3
WesCam, Various



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Mr. David M. Breede

Program Director

Stand-Off Precision Guided
Munitions (SOPGM)



Stand Off Precision Guided Munition (SOPGM)

FW Priorities

- ◆ Improve Moving Target Capability
- ◆ Enhanced Lethal Warheads (Common Launch Tube Compatible)
- ◆ All Weather
- ◆ Selectable Effects Munitions
- ◆ Affordability-Linked To Service Common



FY13/14 Planned Efforts

- ◆ Griffin Block III
- ◆ Completed Hellfire Demo From AC-130W
- ◆ Field Laser Small Diameter Bomb
- ◆ CRADA: Rapid Integration And Demonstration Of PGMs



Stand Off Precision Guided Munition (SOPGM)

- ◆ Buy & Integrate Mix Of Special Operation Forces (SOF) Unique & Service Common Precision Guided Weapons For Irregular Warfare
- ◆ Interfaces:
 - Battle Management System (BMS)
 - Common Launch Tube (CLT) Or Service Common Launchers
- ◆ Need High 1st Pass Lethality Against Static & Moving Targets



ACQUISITION STRATEGY

- Commodity Buy
- Integrate Service Common

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Hellfire Demo Nov 12
- Griffin Block III Fielding FY14
- Laser Small Diameter Bomb IOC Dec 13

POINT OF CONTACT

Mr. David Breede
(813) 826-0078

FUNDING

- FY13: \$31M
- FY14: \$29M

CURRENT CONTRACT/OEM

- Raytheon Missile Systems
- Boeing Defense, Space, & Security



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Lt Col Josh Bohnart

Program Director

CV-22 SOF Osprey



CV-22 SOF Osprey

FW Priorities

- ◆ Stand-Up of EUCOM Squadron
- ◆ Enhance Crew Situational Awareness
- ◆ Expand Tactical Communications
- ◆ Field GAU-21 Ramp Mounted Weapons System



FY13/14 Planned Efforts

- ◆ Helmet Mounted Display
- ◆ Comm Enhancements
- ◆ Digital Map Upgrades
- ◆ Specialized Automated Mission Suite Enhanced Situational Awareness (SAMS ESA)

CV-22 SOF Osprey

- ◆ Provides Long-range, High Speed, All Weather, Infiltration, Exfiltration, And Resupply Of Teams In Hostile, Denied, And Political Sensitive Areas In A Single Period Of Darkness



ACQUISITION STRATEGY

Operational Systems in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

Various

MILESTONES

Post Milestone C, Production & Sustainment Through a Joint Performance Based Logistics Contract With V-22 OEM

POINT OF CONTACT

Lt Col Josh Bohnart
(813) 826-5526

FUNDING

FY13: \$127M
FY14: \$142M

CURRENT CONTRACT/OEM

Multiple – Contracts
Bell-Boeing Prime (OEM)
Multi-Year II Production contract has been awarded



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Lt Col Josh Bohnart

Program Director

Training/Mission Planning Systems



Mission Training & Planning Systems

FW Priorities

- ◆ AC-130J Training System Procurement
- ◆ Continue AC-130U Simulator Block Updates
- ◆ Continue AC-130W Simulator Block Updates
- ◆ Continue X-Plan Mission Planning Developments



FY13/14 Planned Efforts

- ◆ AC-130J Training System Development
- ◆ AC-130U Weapon System Trainer Block Updates
- ◆ AC-130W Training System Block Updates
- ◆ X-Plan Mission Planning Developments
- ◆ 3D Multi-Dimensional Viewer

Mission Training & Planning Systems

- ◆ Develop/Procure AC-130J Simulator (SIM) Training System
- ◆ Procure/Sustain Simulator Block Updates (SBUD) for Legacy Training Systems
- ◆ Develop/Sustain Special Operations Mission Planning and Execution (SOMPE) Products to Support Mission Operations



ACQUISITION STRATEGY

- Existing, Competed Contract Vehicles for Minor Acquisitions; CLS
- Limited/Full & Open Competition Contracts for Major Acquisitions

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Pre-MS C: AC-130J SIM Training System
- Post-MS C: SBUD
- Post-MS C: SOMPE

POINT OF CONTACT

Mr. Nick Angelo
(813) 826-9369

FUNDING

- FY 13: \$34M
- FY 14: \$30M

CURRENT CONTRACT/OEM

- AC-130J SIM: Lockheed Martin
- SBUD: Lockheed Martin, Sierra Nevada Corp, Opinicus, FSI, Various
- SOMPE: NTS, SAIC, Wyle, Nova, Various



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Lt Col Josh Bohnart

Program Director

SOF C-130s



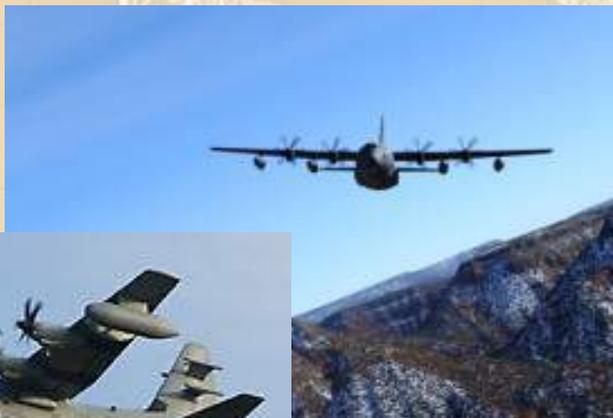
UNCLASSIFIED



SOF C-130s

FW Priorities

- ◆ 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
- ◆ RF Countermeasures (RFCM) for AC/MC-130J



FY13/14 Planned Efforts

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

SOF C-130s

- ◆ Provide Low-level Infil/Exfil And Resupply Of SOF Teams In Hostile Or Denied Areas
- ◆ Provide In-flight Refueling Of SOF Helos And CV-22s
- ◆ Provide Armed Over Watch, CAS, And Precision Strike In Support Of Ground Forces
- ◆ Provide Airborne MISO Support



ACQUISITION STRATEGY

- Operational Systems in Sustainment with Evolutionary Technology Insertions
- New aircraft to recap legacy platforms

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Post MSC, Production & Sustainment
- MSB, Development for MC-130J Increment 3, MCTF

POINT OF CONTACT

Lt Col Joshua Bohnart
(813) 826-5526

FUNDING

- FY13: \$108M
- FY14: \$142M

CURRENT CONTRACT/OEM

- Lockheed Martin (C-130J), Scientific Research Corporation & Northrop Grumman (TF Radar), Sargent Fletcher Inc (Variable Speed Drogue), Various others



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Maj Ken Kuebler

Program Director

Unmanned Aircraft Systems



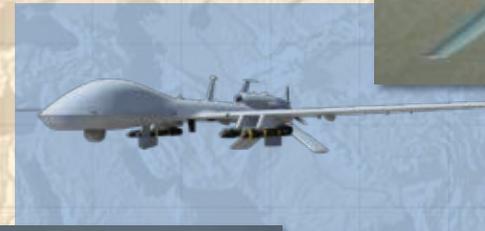
Unmanned Aircraft Systems

FW Priorities

- ◆ Improve Endurance/Extended Range (ER)
- ◆ Multi-Int Sensor/Small Lighter Sensors
- ◆ Enhanced Resolution Sensors (High Def)
- ◆ Multi-Mission Platforms
- ◆ Podded Solutions
- ◆ Modular Architecture



MQ-9



MQ-1C



MQ-1B



Scan Eagle



Puma AE

FY13/14 Planned Efforts

- ◆ Extended Range
- ◆ Upgrade EO/IR Sensors to HD
- ◆ Video Encryption
- ◆ Moving Target Tracker
- ◆ Munitions
- ◆ Lead Off Hitter (MQ-9)

Unmanned Aircraft Systems

- ◆ Provide Rapidly Deployable Multi-Intelligence ISR Capability In Denied Environments
- ◆ Provide Persistent Intelligence, Surveillance, Reconnaissance And Targeting (ISR-T)



ACQUISITION STRATEGY

- Operational Systems in Sustainment with Evolutionary Technology Insertions
- Contractor Owned & Operated Services

PERIOD OF PERFORMANCE

Various

MILESTONES

- Post MS C, Production & Sustainment

POINT OF CONTACT

Maj Ken Kuebler (813) 826-3136

FUNDING

FY13: \$237M
FY14: \$162M

CURRENT CONTRACT/OEM

AeroVironment (Puma AE)
Boeing/Insitu (Scan Eagle)
General Atomics (MQ-1/9)



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Lt Col Lou Ruscetta

Program Director

Manned ISR and Non-Standard
Aviation Systems



Manned ISR and Non-Standard Aviation Systems

- ◆ Short Takeoff and Landing (STOL), light and medium category, Intra-Theater cargo and troop airlift in support of TSOC World-Wide mobility requirements
- ◆ Light category commercial aircraft modified to support SOF ISR requirements

FW Priorities:

- ◆ 17 Fielded C-146As With NSAv Mods
- ◆ 16 Fielded C-145As With NSAv/AvFID Mods
- ◆ The NSAv Mods Consist Of:
 - ARC-231, PRC-117 And Iridium Comms Package
 - Troop/Cargo Capable Interiors
 - NVG Compatibility
 - CASEVAC Capability
 - STOL And Austere LZ Modifications
- ◆ Converting PC-12s To U-28s
- ◆ U-28 HD
- ◆ U-28 Low Cost Mods
- ◆ JAVAMAN Purchase

FY13/14 Planned Efforts

Future Capability Enhancements Include:

- ◆ Improved NVG Compatibility, Communications
- ◆ AvFID Airdrop/Paratroop System
- ◆ Potential Future Growth – Multi-mission
- ◆ Continue U-28 HD/FMV And Low Cost Mods
- ◆ AvFID CLS To Blue-suit Mx Transition
- ◆ Continue PC-12 To U-28 Conversions



Manned ISR and Non-Standard Aviation Systems

- ◆ Provides Increased SOF Flexibility And Capability In Austere And Remote Locations Not Serviced By Reliable And Safe Commercial Aviation Service
- ◆ Provide STOL, Day/Night Mobility



ACQUISITION STRATEGY

- Modify commercially procured aircraft for SOF mobility and ISR requirements

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Production, Deployment, Operations & Sustainment

POINT OF CONTACT

Lt Col Lou Ruscetta
(813) 826-4468

FUNDING

- FY13: \$736M
- FY14: \$630M

CURRENT CONTRACT/OEM

- Sierra Nevada Corp
- L3
- Sikorsky/PZL
- Pilatus



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Fixed Wing



Mr. Tim McKelvey

Program Director

Emerging Technology



Emerging Technology

- ◆ Areas of interest: Modular Platforms and Payloads
 - Mobility
 - Countermeasures, A2AD, Signature Management, Operator Workload, Modular Design
 - ISR
 - Endurance/Range, Multi-Int Sensors and Data Fusion, Enhanced Resolution, Flexible Mission Suites
 - Strike
 - Moving Targets, Enhanced Lethality, All Wx/Terrain, Selectable Effects, Affordability





Emerging Technology

- ◆ Identify and Exploit Emerging Technology Applicable to Fixed Wing Aircraft
 - CRADAs
 - TILO
 - Studies
 - Demos



ACQUISITION STRATEGY

- Robust set of vehicles for responsive FW integration

PERIOD OF PERFORMANCE

- Various

MILESTONES

- Various

POINT OF CONTACT

Mr. Tim McKelvey
(813) 826-3777

FUNDING

- FY13: \$861K
- FY14: \$876K

CURRENT CONTRACT/OEM

- Multiple