



# EXPANDING THE COMPETITIVE SPACE

## SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Mr. David Breede, Program Executive Officer  
**SPECIAL RECONNAISSANCE**



# **Program Executive Office Special Reconnaissance**

## **Mission Statement**

**“Lead the rapid and focused acquisition of state of the art sensors and associated C2, emplacement, recovery, and specialized communication systems across all domains to enable total situational awareness for the SOF Warfighter”**

# Program Executive Office Special Reconnaissance

## TECHNICAL COLLECTION & COMMUNICATION



Hostile Forces-TTL



Blue Force Tracking

Special Comms



TVS/RSTA



Remote Advise & Assist  
Virtual Accompany Kit

## INTEGRATED SENSOR SYSTEMS



AIR



Maritime

Ground



UAS



SIGINT PED

## SENSITIVE SITE EXPLOITATION



Biometrics



Forensics



Exploitation Analysis Center

## REMOTE CAPABILITIES



EOTACS



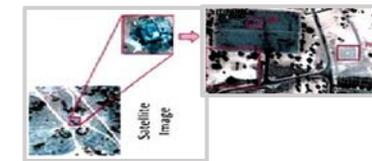
MTUAS



MEUAS 3.0

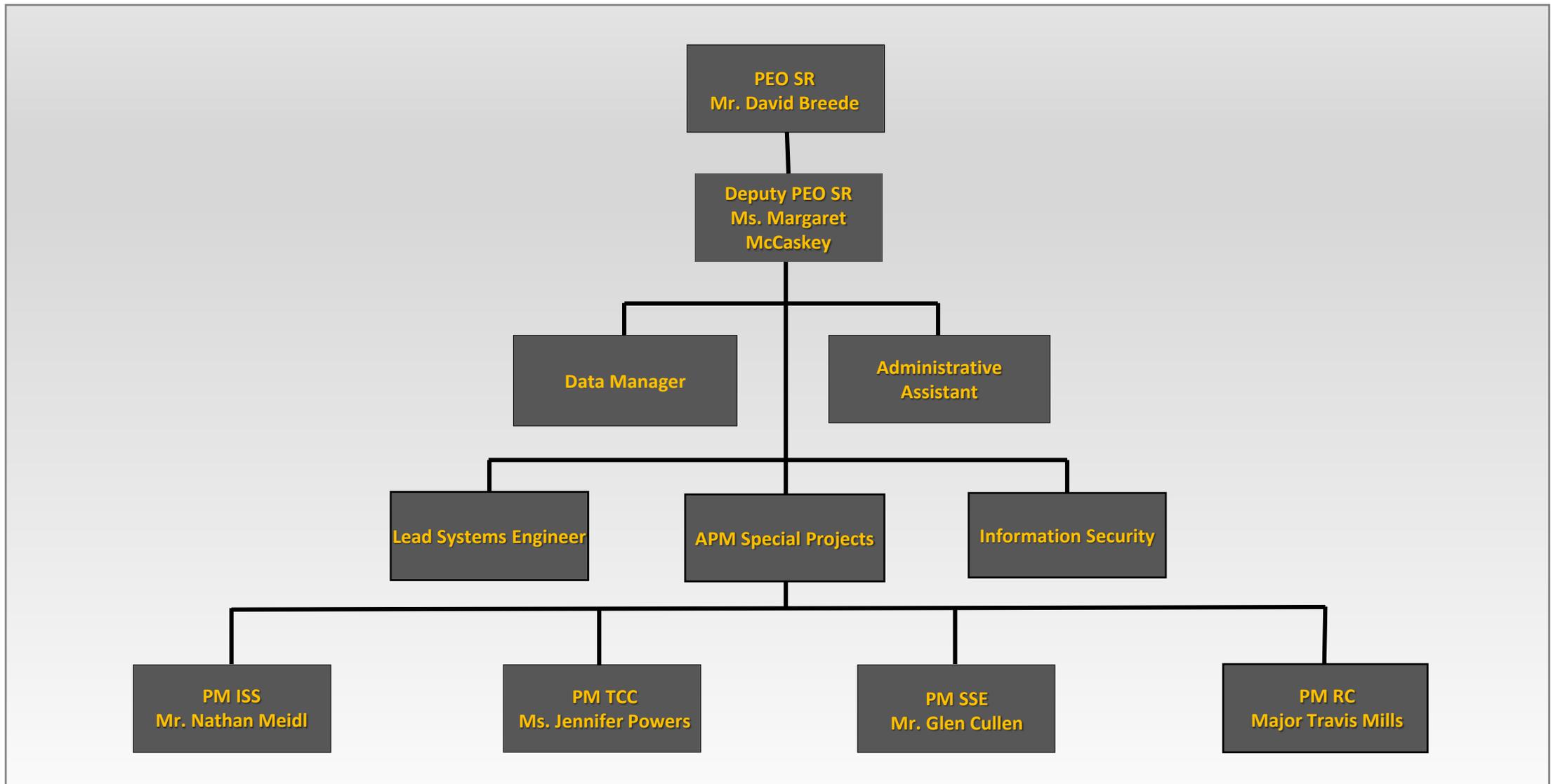


Space Based Capabilities



TENCAP/SAFC

# Program Executive Office Special Reconnaissance (SR)



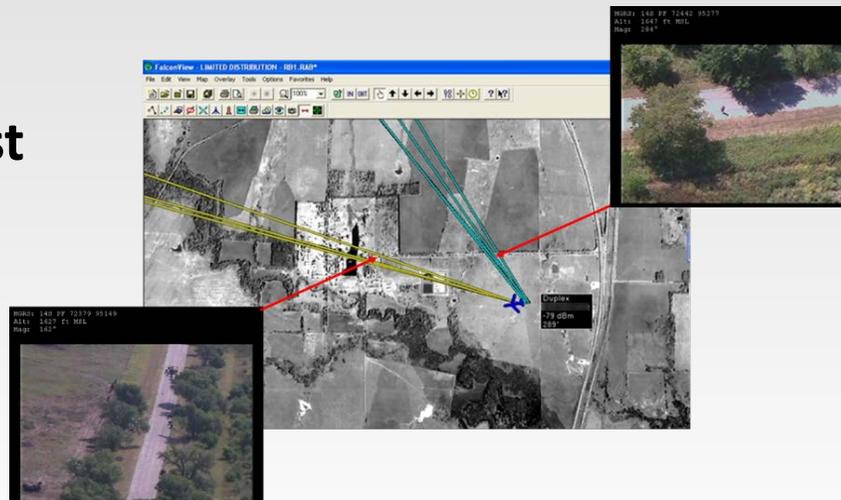
# Next Generation of Special Reconnaissance

## Operations in a Near-Peer and Non-Permissive Environment

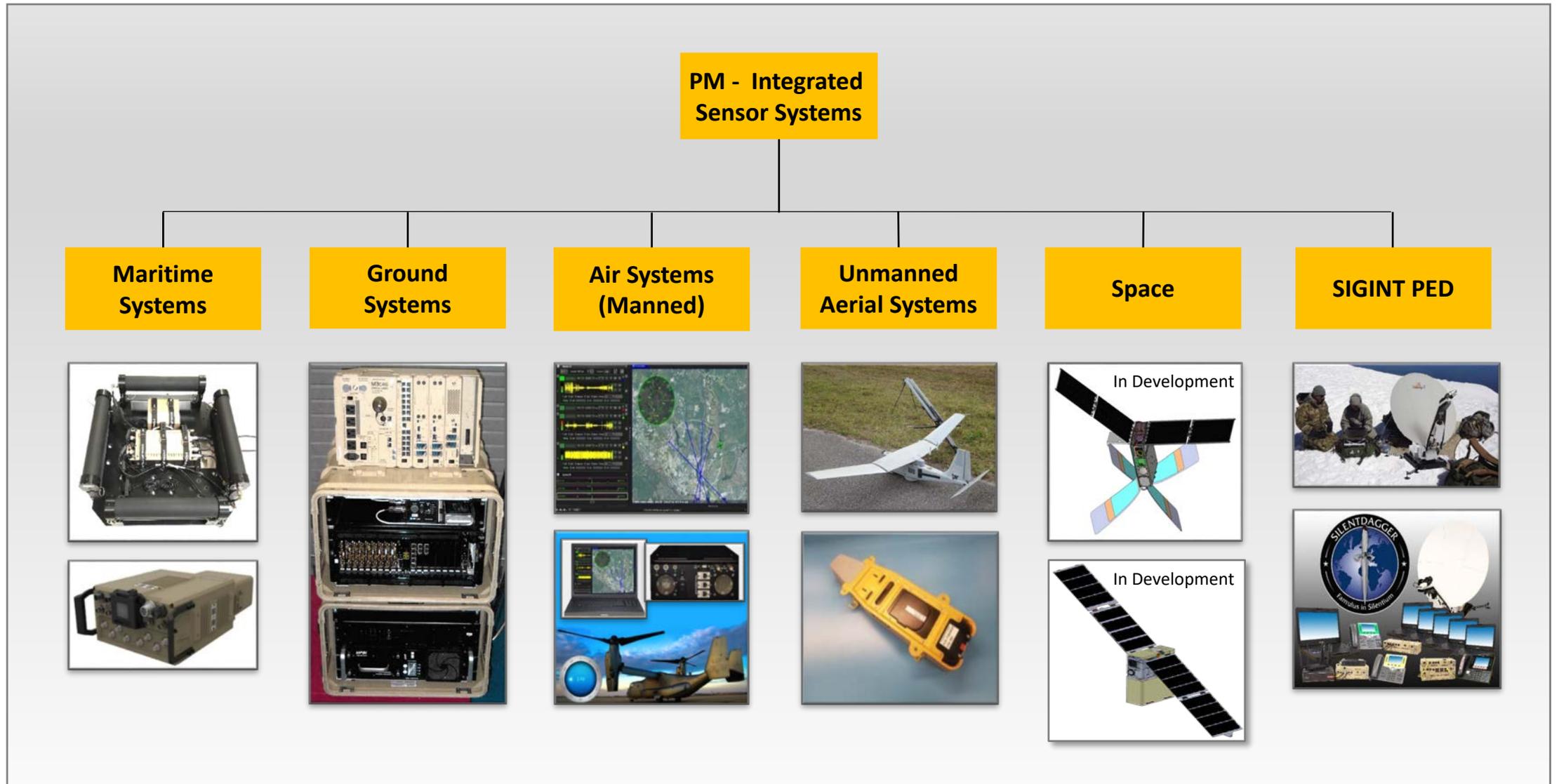
- Low signature
- Remote/unmanned/unattended sensors
- Integrated & cooperative SR
- Alternative Position, Navigation, and Timing (A-PNT)

## More Efficient CT/CVEO

- Cross-Program Solutions
- Partner Force Advise and Assist
  - Releasable technologies



# Program Manager Integrated Sensor System



# Integrated Sensor Systems

## Mission:

Synchronize acquisition of signals intelligence capabilities across the air, ground and maritime domains. Enhanced target acquisition of Signals of Interest. Develop and field interoperable, networked sensors based upon open hardware and software architectures to enable the common operating picture and feed data into all-source analysis tools.

## Development Priorities:

- Interoperability (Modular Payload Compliant/Software Defined Interfaces).
- Information Assurance/Risk Management Framework hardening by Developers before you bring the sensor to JTWS.
- Frequency Agile Sensors (Near Peer Signals of Interest).
- Cyber Enabling Capabilities (enabling, not offensive).

## ISS Portfolio:

- Maritime Systems
- Ground Systems
- Air Systems (Manned)
- Unmanned Aerial Systems
- Space
- Processing Exploitation & Dissemination

### OPPORTUNITIES

- ISS Industry Demo Event (TBD, MUTC, IN)
  - Small Satellite SIGINT Payloads
  - FBO Classified BAA: U.S. Special Operations Command
- Keywords: Novel TTL Approaches  
Release Date: 3QFY20

### FUNDING

<u>APPROP</u>	<u>FY20</u>	<u>FY21</u>
• O&M	\$36M	\$37M
• PROC	\$60	\$68M
• RDT&E	\$14M	\$16M

### CURRENT CONTRACT/OEM

- 5Yr IDIQ Contract with HW Vendor
- 1Yr with 3 option year sustainment and Logistics Contract
- T-Rex Multiple Award IDIQ Contract

# Program Manager - Technical Collection and Communications



# Technical Collection & Communications (TCC)

## Fielding Strategy to Components and TSOCs:

- Continuously Tailored; Commodity Ordering
  - Two/Three Annual Increments
- Quick Reaction Capability (QRC)

## Development Priorities:

- Maritime TTL (Traditional & Non-traditional)
- Digital Signature Tracking
- Signature Management (RF & Cyberspace)
- Intelligent Sensors – Processing at the Edge
- Modularity/Interoperability
- Assured & Alternate PNT
- Releasable Technologies

## TCC Portfolio:

- Tag/Track Kits
- Audio Kits
- Video Kits
- Misc Tool Kits
- Attended & Unattended Sensors
- Communications Field, Base-End, Transport, & Enterprise Segments
- Virtual Accompany Kits

### OPPORTUNITIES

FBO Classified BAA: U.S. Special Operations Command

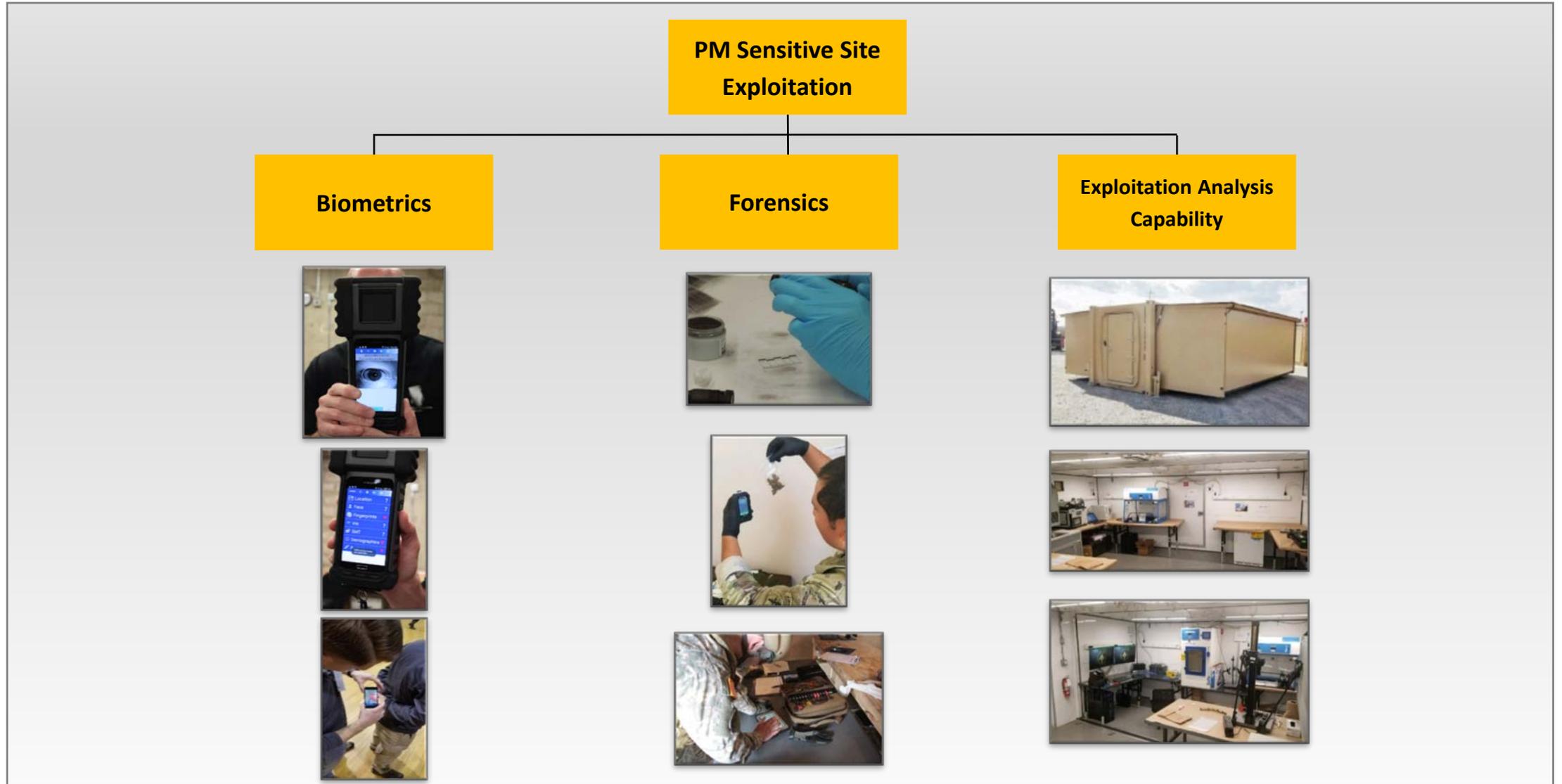
### FUNDING

<u>APPROP</u>	<u>FY20</u>	<u>FY21</u>
• O&M	\$25M	\$49M
• PROC	\$19M	\$14M
• RDT&E	\$1M	\$1M

### CURRENT CONTRACT/OEM

- T-REX Multiple Award IDIQ Contract
- Multiple OEMs
- Leveraging OGAs

# Program Manager - Sensitive Site Exploitation



# Sensitive Site Exploitation

## Fielding to Components

- Continuously Tailored
- Two/Three Annual Increments

## Development Priorities

- Application of Automation, Machine Learning at the edge
- On Site Collection, Verification, and Enrollment of Biometrics
- Rapid detection, processing, exploitation, and distribution of collected data

## SSE Portfolio

- Biometrics
  - ID Kits
  - Enrollment Kits
- Forensics
  - Operator Advanced Kits
  - Enabler Kits
- Exploitation Analysis Capability (EAC)

### OPPORTUNITIES

- FBO Classified BAA: U.S. Special Operations Command
- Tactical Biometric Event 4th QTR FY20

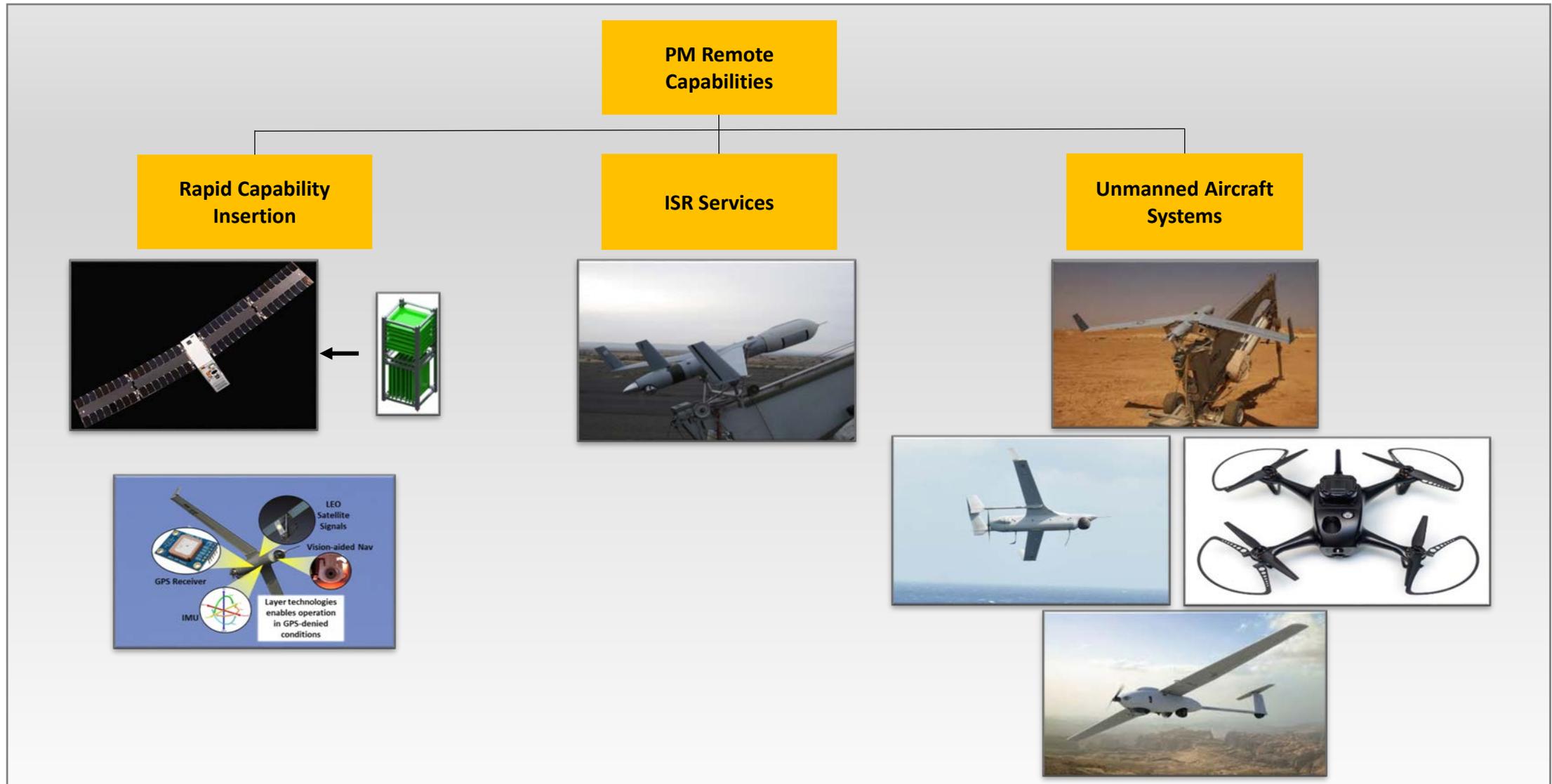
### FUNDING

<u>APPROP</u>	<u>FY20</u>	<u>FY21</u>
• O&M	\$ 13M	\$ 17M
• PROC	\$ 7M	\$ 3M
• RDT&E	\$ 188k	\$ 614k

### CURRENT CONTRACT/OEM

- T-REX Multiple Award IDIQ Contract
- Multiple OEMs

# Program Manager - Remote Capabilities



# Remote Capabilities (RC)

## Focus:

Next generation tactical special reconnaissance. Provide timely situational awareness in a non-permissive operating environment.

## Development Priorities:

- Modular and multi-Int payloads
- Tools to leverage national capabilities
- Remote sensor emplacement, C2, and retrieval
- Mission tailored small satellite payloads

## RC Portfolio:

- Groups 1-3 UAS
- ISR Services
- TENCAP
- Special Applications for Contingencies
- Space Based Capabilities

### OPPORTUNITIES

FBO Classified BAA: U.S. Special Operations Command

Release Date: 3QFY20

### FUNDING

<u>APPROP</u>	<u>FY20</u>	<u>FY21</u>
• O&M	\$ 84M	\$ 76M
• PROC	\$ 13M	\$ 21M
• RDT&E	\$ 37M	\$ 23M

### CURRENT CONTRACT/OEM

- T-REX Multiple Award IDIQ Contract
- Multiple OEMs
- Leveraging OGAs

# USSOCOM- BAAST- 2020

**SAM**  
SYSTEM FOR AWARD MANAGEMENT

A NEW WAY TO SIGN IN - If you already have a SAM account, use your SAM email for login.gov. [Log In](#) [Login.gov FAQs](#)

HOME SEARCH RECORDS DATA ACCESS CHECK STATUS ABOUT HELP

**ALERT:** SAM.gov will be down for scheduled maintenance Saturday, 04/11/2020 from 8:00 AM to 1:00 PM

The System for Award Management (SAM) is an official website of the U.S. government. There is no cost to use SAM. You can use this site for FREE to:

- Register to do business with the U.S. government
- Update or renew your entity registration
- Check status of an entity registration
- Search for entity registration and exclusion records

[Getting Started](#)

## USSOCOM-BAAST-2020

- Released April 2020
- Appendix A: SR unclassified technology areas are incorporated into this appendix
- A classified addendum for SR is available for qualified companies
- Appendix A contains directions for requesting the addendum

## Technology Areas of Interest

- Biometrics/Forensics and Sensitive Site Exploitation
- Data Exfiltration
- Information Systems
- Low-Vis Communications
- Obfuscated Data Transport Systems/Architectures
- Sensors
- SIGINT
- Tagging, Tracking, and Locating
- Technical Support Systems

# Operational Networks

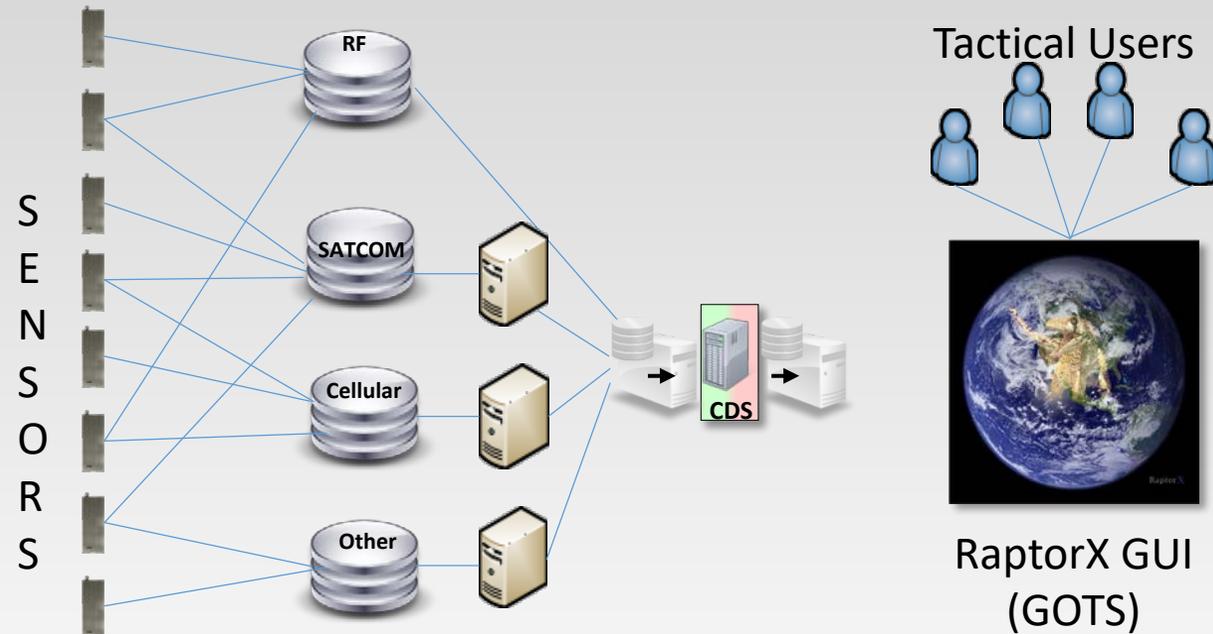
- **KeyMaker TTL and UGS Data Dissemination**
- **SOF Exploitation Portal**

# KeyMaker TTL and UGS Data Dissemination

Provides a system for standardized, consolidated, command and control of technical collection tools that allows data to be shared for wide distribution in support of operational requirements while ensuring control of the distribution always remains with the sensor/tags owner

## Mandatory DOD IA Requirements

- Browser Compatibility (MS Edge & Firefox)
- Operating System Compatibility (Windows 10)
- Server Compatibility (Windows 2012 & 2016)
- Adherence to the DOD Security Technical Implementation Guidelines (STIG)
- Documentation (Installation Guide, Admin & Developer Guide, Release Notes, etc.)



**RAPTOR**

# SOF Exploitation Portal

SOFEX Portal Enables Tx/Rx of Intelligence Data

