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

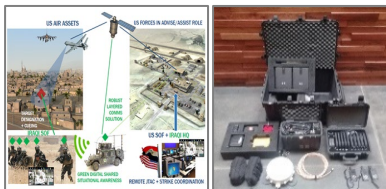## TECHNICAL COLLECTION & COMMUNICATION

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
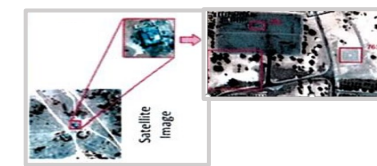
TENCAP/SAFC

Program Executive Office Special Reconnaissance (SR)

Organization chart:

- **PEO SR** — Mr. David Breede
  - **Deputy PEO SR** — Ms. Margaret McCaskey
    - **Data Manager**
    - **Administrative Assistant**
      - **Lead Systems Engineer**
      - **APM Special Projects**
      - **Information Security**
        - **PM ISS** — Mr. Nathan Meidl
        - **PM TCC** — Ms. Jennifer Powers
        - **PM SSE** — Mr. Glen Cullen
        - **PM RC** — Major Travis Mills
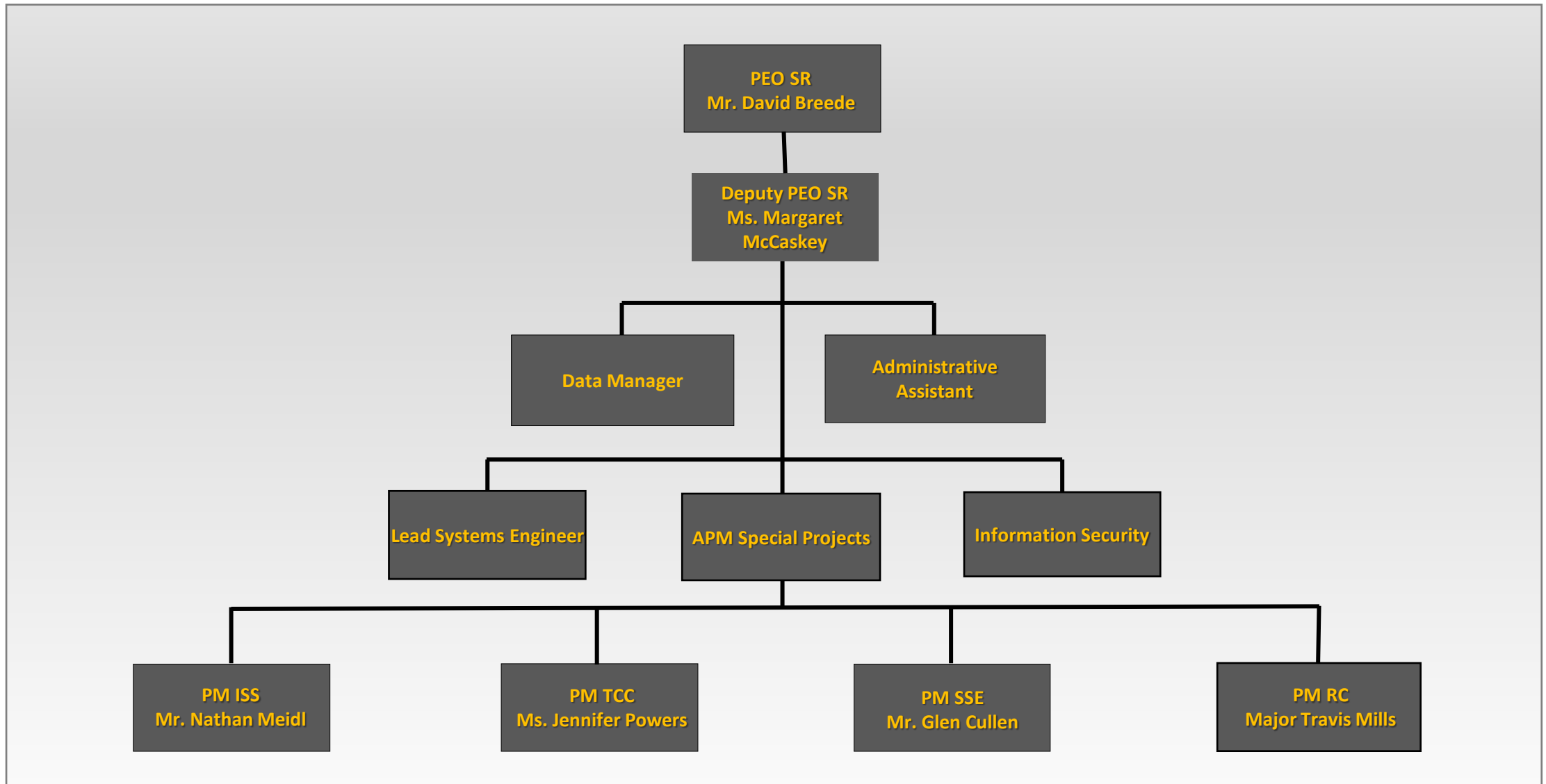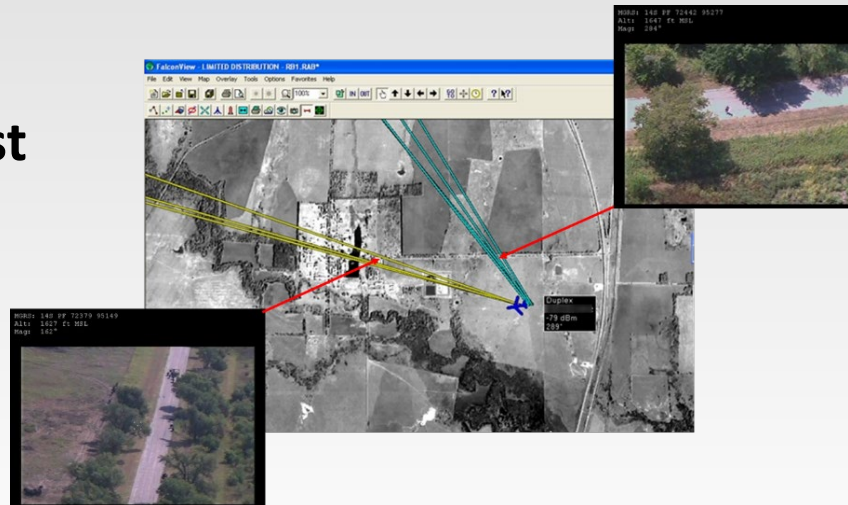
Next Generation of Special Reconnaissance

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)**

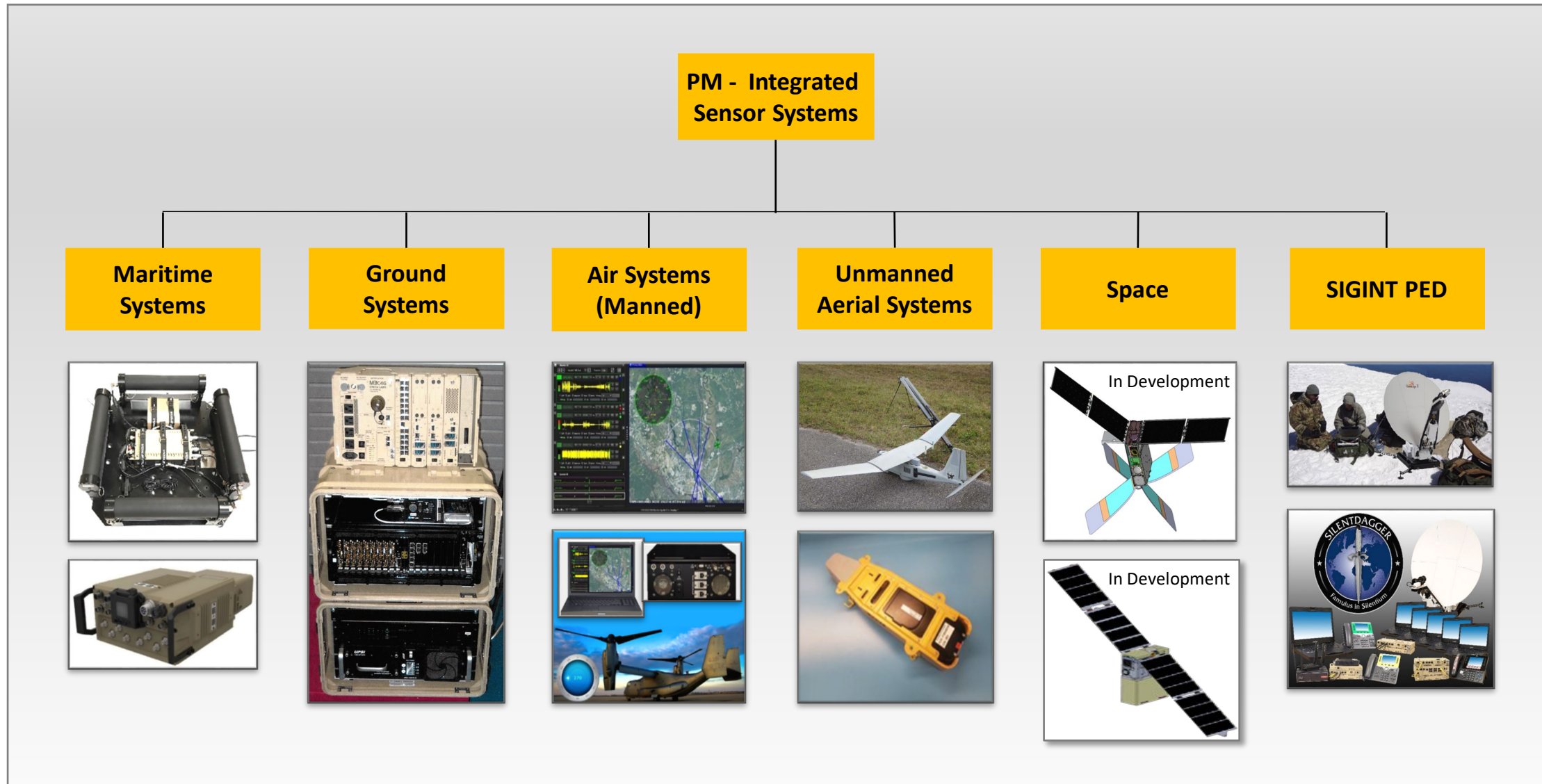## More Efficient CT/CVEO

- **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		
APPROP	**FY20**	**FY21**
• 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

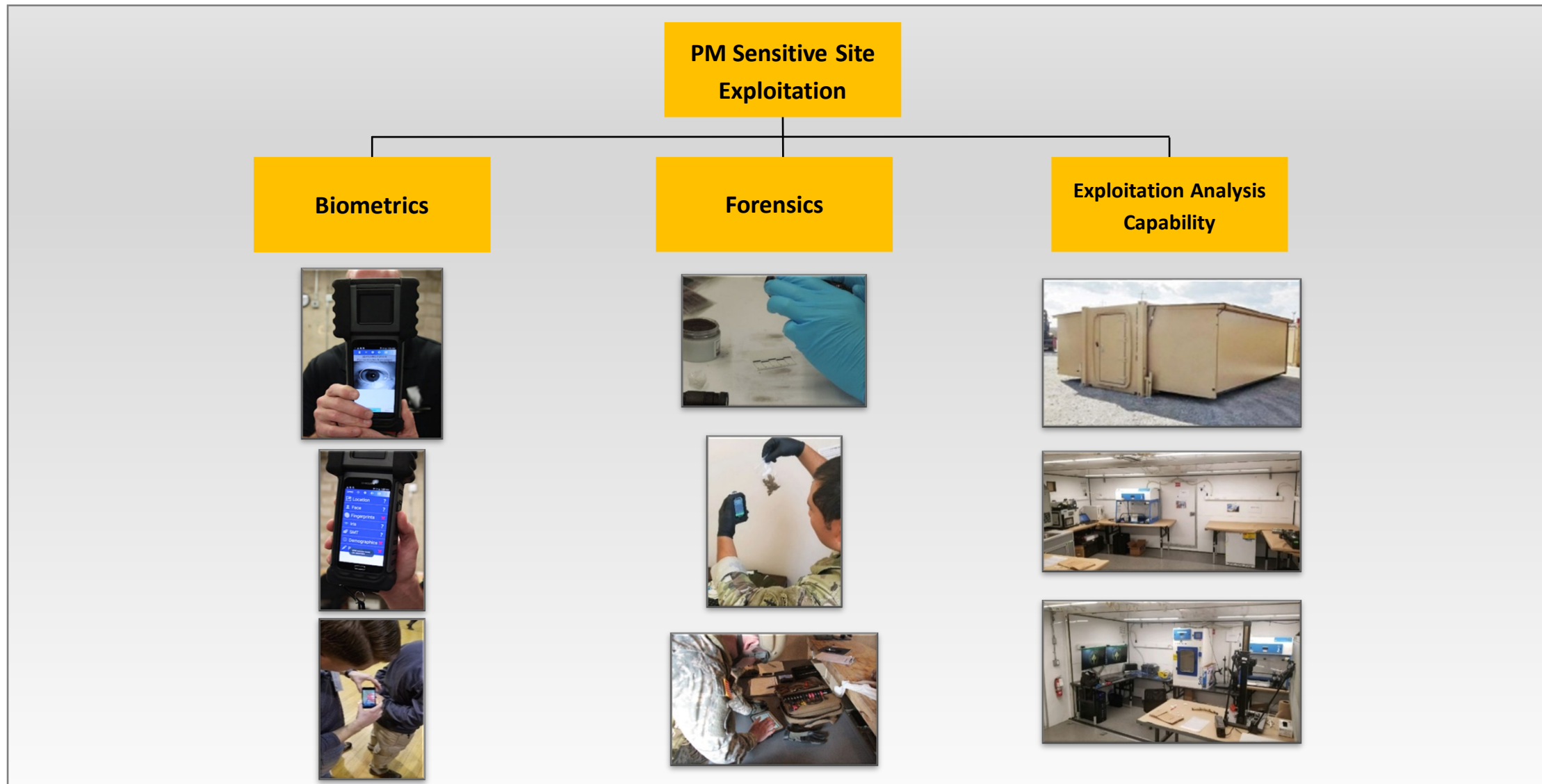| OPPORTUNITIES |
|---|
| FBO Classified BAA: U.S. Special Operations Command |

FUNDING		
APPROP	FY20	FY21
• 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)**

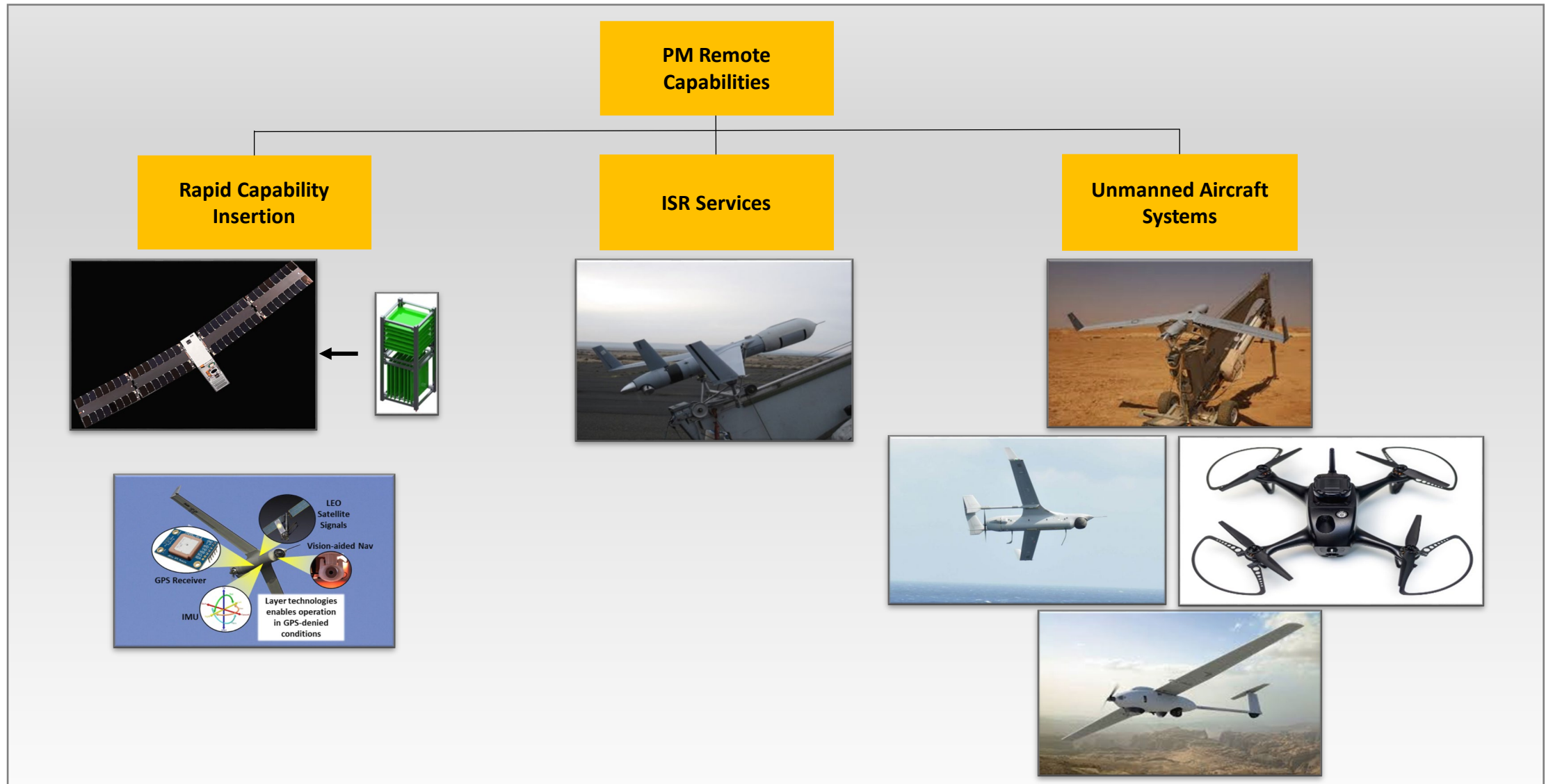| OPPORTUNITIES |
| --- |
| • FBO Classified BAA: U.S. Special Operations Command |
| • Tactical Biometric Event 4th QTR FY20 |

FUNDING		
APPROP	**FY20**	**FY21**
• 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		
APPROP	**FY20**	**FY21**
• 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

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.)**

Tactical Users

RaptorX GUI (GOTS)
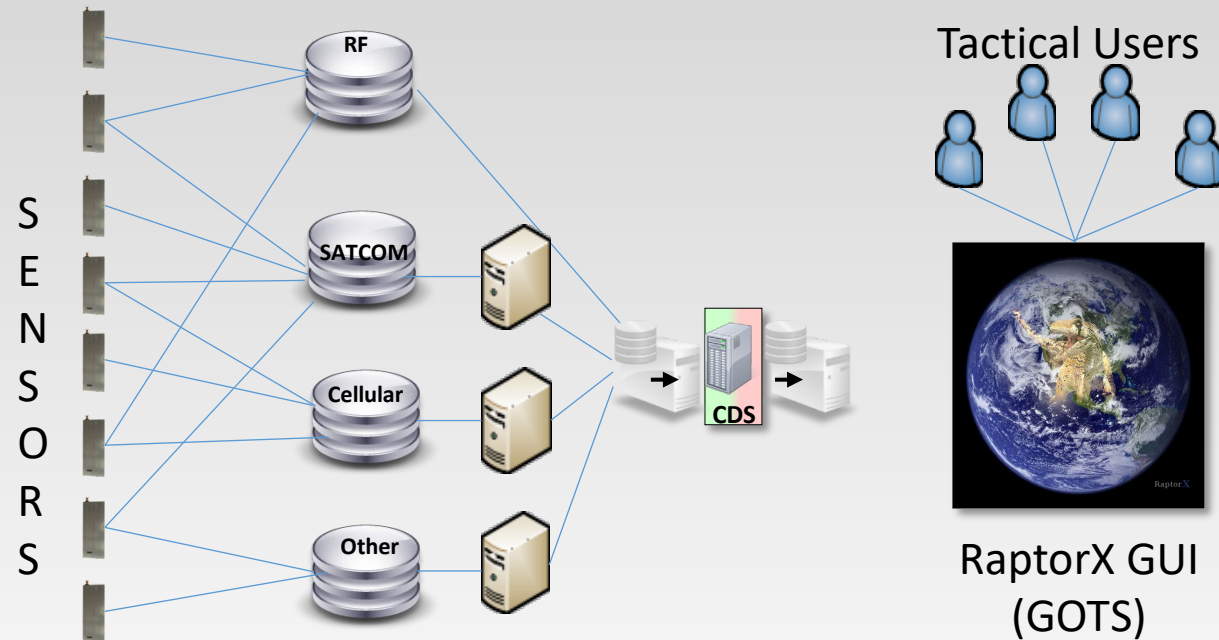
SOF Exploitation Portal

SOFEX Portal Enables Tx/Rx of Intelligence Data