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)

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

PM - Integrated Sensor Systems

Maritime Systems

Ground Systems

Air Systems (Manned)

Unmanned Aerial Systems

Space

SIGINT PED

In Development

In Development

In Development
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
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CURRENT CONTRACT/OEM
• 5Yr IDIQ Contract with HW Vendor
• 1Yr with 3 option year sustainment and Logistics Contract
• T-Rex Multiple Award IDIQ Contract
## 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

### Funding

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

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

**CURRENT CONTRACT/OEM**
- T-REX Multiple Award IDIQ Contract
- Multiple OEMs
- Leveraging OGAs
Program Manager - Sensitive Site Exploitation

PM Sensitive Site Exploitation

Biometrics

Forensics

Exploitation Analysis Capability
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)

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| • FBO Classified BAA: U.S. Special Operations Command
  • Tactical Biometric Event 4th QTR FY20 | APPROP FY20 $ 13M $ 17M
  • O&M $ 7M $ 3M
  • RDT&E $ 188k $ 614k | • T-REX Multiple Award IDIQ Contract
  • Multiple OEMs |
Program Manager - Remote Capabilities

- PM Remote Capabilities
  - Rapid Capability Insertion
  - ISR Services
  - Unmanned Aircraft Systems
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

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USSOCOM-BAAST-2020

Comprised of:
- 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)
SOF Exploitation Portal

SOFEX Portal Enables Tx/Rx of Intelligence Data

Strategic / International Level

Operational Level

Tactical Level

Decentralized Matching, Storage and Analytical Activities