Mr. David Breede
Program Executive Officer (Acting)

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION
Program Executive Office
Special Reconnaissance, Surveillance, and Exploitation

DEEP DIVE TOPICS

Targeted Requirement Execution (T-REX)
Contract Review And Update On Business Process

Sensitive Site Exploitation
Capability Insertion Opportunities

Rapid Capability Insertion
Entry Point To Programs of Record
TARGETED REQUIREMENT EXECUTION (T-REX)
Targeted Requirements Execution (T-REX) is a Multiple Award IDIQ Contract to Procure Intelligence, Surveillance, and Reconnaissance (ISR) technologies.

3 Main Categories are within Scope:
- Hardware and Modifications
- Specialized Communication Solutions and Networks
- Signals Processing Capabilities

Period of Performance: 5 yr base at $750M (no option yrs)

4 Prime Systems Integrators on IDIQ (3 Large / 1 Small)

Goals of T-REX:
- Continuously increase capability through tech insertion
- Maintain speed, while balancing cost and impact to logistics
- Increase competition in commodity procurement / purchasing

SOF AT&L-KI will retain ordering authority; External SRSE ISR requirements must originate from the customer and coordinate with PCOR.

PEO SRSE ~ $100M / year
SOF AT&L ~ $20M / year
Contingency ~ $30M / year

Ceiling = $750M over five years
Targeted Requirements Execution (T-REX)

Expanded Scope of T-REX

- Programs within the PEO
  - HF-TTL
  - JTWS
  - TVS/RSTA
  - SSE
  - SCE
  - RCI
- Programs within SOF AT&L
  - PM SA
  - PM CISS
  - SAF-C/FW
  - TALOS
  - S&T Dir
  - Other (J4/AO)
- Programs External to SOF AT&L
  - JSOC J2
  - SOCOM J2X / Joint Staff

Incorporates Technical and Functional Integration Tasks and Delivery Orders

RFP Activity

- SOP in Base Contract states 10 business days
- QRC / immediate requirements 1-5 business days (immediate requirements)
- Firm Fixed Price or Cost Plus Fixed Fee Contracts

So, Why Do I Care?

- Vendors/OEMs Highlight Tactical ISR Technologies to T-REX Primes
- Innovation Through Tech Insertion
- RFI’s and Capability Studies for Additional Market Research
- Key Industry and Government Points of Contact
Program Manager
Sensitive Site
Exploitation
Program Manager
Sensitive Site Exploitation

PEO SRSE (Acting)
Mr. David Breede

Special Reconnaissance & Surveillance (SRS)
- Hostile Forces – Tagging, Tracking, & Locating (HF-TTL)
- Blue Force Tracking (BFT)
- Special Operations Tactical Video Systems (TVS)

Sensitive Site Exploitation (SSE)
- Sensitive Site Exploitation (Biometrics & Forensics)

Intelligence
- Joint Threat Warning System (JTWS)
- Distributed Common Ground System for SOF (DCGS-SOF)
- SOF Planning, Rehearsal, and Execution Preparation (SOFPREP)
- Integrated Survey Program (ISP)

Military Department (MILDEP)
- Afghan National Tracking System (ANTS)
- Partner Nation Support

Rapid Capability Insertion (RCI)
- Clandestine Tagging, Tracking, & Locating (CTTL)
- Tactical Exploitation of National Capabilities (TENCAP)
- Special Communications Enterprise (SCE)
Program Manager
Sensitive Site Exploitation

SSE Priorities

• On Site Collection of Biometrics to Verify/Enroll Subjects into DOD Authoritative Biometrics Database

• Provide Actionable Intelligence Thru the Rapid Detection, Collection, & Identification of Physical and Digital Forensic Evidence while on a Sensitive Site to enable Identity Operations

FY16/17 Priority Efforts

• Procure/Field Tactical Biometric Devices

• Provide Rapid DNA Data Collection Capability

• Evaluate and deploy innovative DOMEX and Forensic Technologies

ACQUISITION STRATEGY

• Commodity Procurement Project (CPP)
• COTS / GOTS (and modified versions)

FUNDING

<table>
<thead>
<tr>
<th>APPROP</th>
<th>FY16</th>
<th>FY17</th>
</tr>
</thead>
<tbody>
<tr>
<td>O&amp;M</td>
<td>$8.9M</td>
<td>$12.8M</td>
</tr>
<tr>
<td>PROC</td>
<td>$9.9M</td>
<td>$2.6M</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>$0.2M</td>
<td>$0.2M</td>
</tr>
</tbody>
</table>
Sensitive Site Exploitation – Solution Providers

Rapid DNA
- integenX
- NetBio

Biometrics
- NORTHROP GRUMMAN
- CROSSMATCH

Chemical Forensics
- FLIR
- Thermo

Electronic Media Forensics
- ADF
- cellebrite
- TEEL technologies
- MICRO SYSTEMATION
- IDEAL TECHNOLOGY CORPORATION

T-REX Primes
- Pacific Northwest National Laboratory
- MIT Lincoln Laboratory

Technical Support
- ATSolutions
- PAE
- leidos
- eSystems
- Barbaricum
- Lockheed Martin
- nfstc
- Raytheon
Program Manager
Sensitive Site Exploitation

Biometrics
- ID Card Printer
- Metal Tec 1500 Metal Detector
- IDEX Pens
- Explosives And Trace Element Detection
- DNA Swab
- Latent Print Collection
- Forensic Lights

Identification (ID) Kits
- N-G BioSled
- Fingerprint, Facial and Iris Imagers

Enrollment (EN) Kit
- Kojak Multi-Fingerprint Scanner
- ID Badge Printer

Data And Information Extraction
- BIMEX
- CELLEX
- XRX/XACT
- ADF-G-2
- Basic MEDEX
- Advanced MEDEX
- Tableau TD-2 Digital Intelligence Imager

Tactical Site Exploitation (Forensics)
- IDEX Pens
- Explosives And Trace Element Detection
- DNA Swab
- Latent Print Collection
- Forensic Lights

Identification (ID) Kits
- N-G BioSled
- Fingerprint, Facial and Iris Imagers

Enrollment (EN) Kit
- Kojak Multi-Fingerprint Scanner
- ID Badge Printer
Exploitation Analysis Center

Latent Print Extraction
- Latent Print Fuming Chambers
- Latent Print Copy Station
- Latent Print Collection Kit
- BattleLite Forensic Lights
- TracER Laser Lite
- AFIX Tracker
- Latent Print Examiner

Trace Element Analysis
- Griffin 460
- AHURA First Defender
- AHURA TruDefender
- SABRE 5000
SOF Exploitation Portal

SOFEX Portal Enables Tx/Rx of Intelligence Data

Strategic / International Level

- Iris
- Voice
- Face
- Fingerprints
- Biometrics
- DOCEX
- MEDEX
- CELLEX
- DOMEX DATABASE
- Decentralized Matching, Storage and Analytical Activities
- Chemistry
- DNA
- Currency
- CIED
- Weapons
- WMD

Operational Level

- SSE Collections
- SOFEX WEB APP*
- Forensics
- BYU
- CELLEX
- MEDEX
- DOCEX
- FACE
- DOMEX DATABASE
- Decentralized Matching, Storage and Analytical Activities

Tactical Level

- Tactical
- SSE
- Communications
- Comm Station
- WEB
- Radio
- FEDEX Tracker
- Reply

* Accessible via organic communications and mobile device interface via Web App to NIPR, SIPR and BICES networks.
Sensitive Site Exploitation

SSE Capability Insertion or Replacement Cycle

- Requirement Development
- Fed BizOps RFI
- Technology Industry Liaison Office (TILO)
- SOFWERX
- Limited User Assessment (LUA)
- ECP / CCB Decisions
- Test, Certification, Accreditation, F&DR
- SOF Field Use & Evaluation
Sensitive Site Exploitation

BIOMETRICS

FORENSICS

MOBILE OPERATIONS

FY 16 17 18 19 20 21 22

2ND GEN BIO (BIOSLED)

DOMEX

Rapid DNA

Chem Attrib (proof of concept)

Voice Matching (Multi-speaker)

Presumptive Chem ID

Hidden Chamber Detection

Wireless Cellex

Rapid DNA (trace)

Long-Range Collection Integration (UAS)

Forensic Data Compression

Web Portal

Wireless Biometric Accreditation

Wireless Forensics Accreditation

Remote PID

Chem Attrib

Rapid DNA

DOMEX

Voice Matching

Hidden Chamber

Wireless Cellex

Forensic Data Compression

Web Portal

Wireless Biometric Accreditation

Wireless Forensics Accreditation

Remote PID
Sensitive Site Exploitation

Capability Insertion Opportunities

• Wireless Mobile CELLEX/DOMEX Collection Devices
  – Cell Phone-Based Tools For Exploiting Cell Phones, SIM Cards, Computers, Storage Devices

• Rapid Detection, Location and ID Of Forensic Evidence
  – Body-Worn System To Detect, Locate, And Identify Forensic Evidence (Fingerprints, Body Fluid, Explosives)

• Stand-off/Remote Facial Recognition And Iris Capture
  – Threshold 3 Meters, Objective 300 Meters

• Dustless Latent Print Collection
  – Porous And Non-Porous Surfaces

• Maritime Environment Operations
  – At Sea Processing/Exploiting Forensic, DOMEX, And Chemical Evidence From Exploited Sites
Program Manager
Rapid Capability Insertion
Program Manager
Rapid Capability Insertion

PEO SRSE (Acting)
Mr. David Breede

Special Reconnaissance & Surveillance (SRS)
Hostile Forces – Tagging, Tracking, & Locating (HF-TTL)
Blue Force Tracking (BFT)
Special Operations Tactical Video Systems (TVS)

Sensitive Site Exploitation (SSE)
Sensitive Site Exploitation

Intelligence
Joint Threat Warning System (JTWS)

Military Department (MILDEP)
Afghan National Tracking System (ANTS)
Partner Nation Support

Rapid Capability Insertion (RCI)
Clandestine Tagging, Tracking, & Locating (CTTL)
Tactical Exploitation of National Capabilities (TENCAP)
Special Communications Enterprise (SCE)

Integrated Survey Program (ISP)
SOF Planning, Rehearsal, and Execution Preparation (SOFPREP)
Distributed Common Ground System for SOF (DCGS-SOF)
Program Manager Rapid Capability Insertion

• Develops And Prototypes Innovative TTL Capabilities and Novel Reconnaissance Devices Through Applied Research And Development (R&D)

• Improves Sensor SWAP-C For Use On Group 2 And 3 UAS

• Serves As The Command’s TENCAP Office And Leverages Existing And Future Space-Related Technologies

ACQUISITION STRATEGY
• Rapid Prototyping, Technology Demonstrations, Combat Evaluations

PERIOD OF PERFORMANCE
• Project Dependent: Focus On 12-18 Month Project Development Cycle

MILESTONES
• Project Dependent

POINT OF CONTACT
• Technology & Industry Liaison Office
• TILO@SOCOM.mil
• 813-826-9482

FUNDING
<table>
<thead>
<tr>
<th>APPROP</th>
<th>FY16</th>
<th>FY17</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDT&amp;E</td>
<td>$33.0M</td>
<td>$33.6M</td>
</tr>
</tbody>
</table>

CURRENT CONTRACT/OEM
• Project Dependent
Capabilities Based Assessment Methodology

Notional Example: Tag

Austere

Exfiltration Environment

Developed

Short

Endurance

Long

Developed

Capabilities Based Assessment Methodology
### RCI Business Process

<table>
<thead>
<tr>
<th>Events</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
<th>1st Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Requirements &amp; Project Development</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JAN</td>
<td>FEB</td>
<td>MAR</td>
<td>APR</td>
<td>MAY</td>
</tr>
<tr>
<td>- Brief Draft CBA at PMR</td>
<td>- Finalize CBA, Disseminate Tech Interest Areas Via BAA</td>
<td>- White Papers Due</td>
<td>- Refine Winning Project Scope &amp; IPT Portfolio Build</td>
<td>- New FY CBA</td>
</tr>
<tr>
<td><strong>Milestone Reviews &amp; Execution</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Comprehensive IPT / PMR</td>
<td>- Project Updates</td>
<td>- User Representative Feedback (Interleaved With PM SRS WG)</td>
<td>- Comprehensive IPT / PMR</td>
<td>- Project Updates</td>
</tr>
<tr>
<td><strong>TENCAP</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- TENCAP Disseminates MERIT Proposals</td>
<td>- TENCAP Advocates For SOF At MERIT</td>
<td>- NRO Announces MERIT Winners</td>
<td>- TENCAP Submits RCI IPT UFRs To MERIT</td>
<td></td>
</tr>
<tr>
<td><strong>Supporting Events</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- S&amp;T Tech Experimentation</td>
<td>- TRIDENT SPECTRE</td>
<td>- S&amp;T Tech Experimentation</td>
<td>- S&amp;T Tech Experimentation</td>
<td></td>
</tr>
</tbody>
</table>

**IPT Membership**
- HQ USSOCOM
- Components
- TSOCs
- Supporting Members
- IC Partners

**S&T Tech Experimentation**
- White Papers Due
- New FY CBA
- PE0 SRSE OT & E
- PEO SRSE OT & E
- PE0 SRSE OT & E
- PE0 SRSE OT & E
- PE0 SRSE OT & E
- PE0 SRSE OT & E
So, Why do you Care?

- RCI Enables Tech Entry Point Into Programs of Record
  - Annual Quick-Look Capabilities Based Assessment
  - Broad Agency Announcement
    - USSOCOM-BAAST-2015, Expires 31 Dec 2016
    - Goal Is To Provide Rapid Transition To SOCOM Programs of Record

- Typical RCI Year
  - 19 Industry Vendors On Contract
  - 9 Small Businesses
  - Average 9 Projects Delivered To Meet User Requirements Per Year
FY14-15 Distribution of Funds by Technology Area

69% OF THE FY14-15 TOTAL SUPPORTS TWO FOCUS AREAS
*** NOT AN INDICATOR OF FUTURE INVESTMENT

Funding Total: $53.5M
Final Thoughts…

Tips for a Successful BAA Submission

• Target Specific Gap In BAA
• Propose A Product, Not A Corporate Overview
• Tell Us How You Think We’ll Use It
• Know Your Customer (Note: It’s Not SOF AT&L)

• RCI’s Goal Is To Rapidly Prototype Capability To The User
  – Propose Phased Development
  – ~12-18 Month Start to Finish
  – ~ $1M Effort