SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Win • Transform • People

Mrs. Jennifer A. Powers  Program Manager (Acting)

TECHNICAL COLLECTION AND COMMUNICATIONS (TCC)
Program Manager
Technical Collection and Communications

PM Technical Collection and Communications (TCC)

- Hostile Forces – Tagging, Tracking, & Locating (HF-TTL)
- Tactical Video Systems/Reconnaissance Surveillance Target Acquisition (TVS/RSTA)
- Blue Force Tracking (BFT)
- Special Communications Enterprise (SCE)
Program Manager
Technical Collection and Communications

TCC Portfolio

• HF-TTL Mission Sets
• TVS/RSTA Family of Systems
• BFT Family of Systems
• SCE Mission Sets

Key Events

• Two Annual Program Management Reviews
• Three Annual Operational Test and Evaluations
• Two to Three Annual Procurement Cycles

Electro-Optical Camera & Sensor
Hostile Forces - Tagging, Tracking, & Locating (HF-TTL)

Mission Set Fielding to Components and TSOCs:
- Continuously Tailored; Commodity Ordering
- Two/Three Annual Increments

Priorities:
- Quick Reaction Capability (QRC)
- Integration of TTL Payloads on Remotely Piloted Vehicles
- Maritime TTL

HF-TTL Portfolio:
- Tag/Track Kits
- Audio Kits
- Video Kits
- Misc Tool Kits

ACQUISITION STRATEGY
- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE
- Deliver Capability Within 90-Days to 1 Year of Award (Norm)
- QRC Delivers in 14 to 90 Days

MILESTONES
- Mission Set Kits Procured Annually
- NET Continuously
- Focused Technical Insertion in an Ever-Changing Environment

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

FUNDING
- APPROP FY18 $20.1M FY19 $20.3M
- O&M $19.0M $19.0M
- PROC RDT&E $ 0.8M $ 0.8M

CURRENT CONTRACT/OEM
- T-REX Multiple Award IDIQ Contract
- Multiple OEMs - Contact TILO

Mission Set Fielding to Components and TSOCs:
- Continuingly Tailored; Commodity Ordering
- Two/Three Annual Increments

Priorities:
- Quick Reaction Capability (QRC)
- Integration of TTL Payloads on Remotely Piloted Vehicles
- Maritime TTL

HF-TTL Portfolio:
- Tag/Track Kits
- Audio Kits
- Video Kits
- Misc Tool Kits

ACQUISITION STRATEGY
- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE
- Deliver Capability Within 90-Days to 1 Year of Award (Norm)
- QRC Delivers in 14 to 90 Days

MILESTONES
- Mission Set Kits Procured Annually
- NET Continuously
- Focused Technical Insertion in an Ever-Changing Environment

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

FUNDING
- APPROP FY18 $20.1M FY19 $20.3M
- O&M $19.0M $19.0M
- PROC RDT&E $ 0.8M $ 0.8M

CURRENT CONTRACT/OEM
- T-REX Multiple Award IDIQ Contract
- Multiple OEMs - Contact TILO
HF-TTL Technology Insertion Roadmap

Technology Insertion Roadmap Focus Areas:

- Non-GPS Trackers
  - Traditional
  - Non-traditional (Optical / Chemical)
- Maritime TTL
- UAS Payload Integration

FY 17 18 19 20 21 22 23

USSOCOM-BAAST-2015, Appendix G2 Classified (Secret);
Proposals Due 15 June 2018
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)
Tactical Video System/Reconnaissance Surveillance Target Acquisition (TVS/RSTA)

**Kits are Operationally Tailored:**
- Supports Three Primary Capability Areas
- Adaptable In Tactical and Strategic Operations

**Priorities:**
- Enhanced Night / Obscured Operations
- Component Interoperability

---

**ACQUISITION STRATEGY**
- Commodity Procurement Project (CPP)

**PERIOD OF PERFORMANCE**
- Deliver Capability Within 90-Days to 1 Year of Contract Award (Norm)

**MILESTONES**
- Kit Selection Annually
- Sustainment Training Continuously
- Capital Equipment Replacement

**FUNDING**

<table>
<thead>
<tr>
<th></th>
<th>FY18</th>
<th>FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROP</td>
<td>$ 13.7M</td>
<td>$ 34.1M</td>
</tr>
<tr>
<td>O&amp;M</td>
<td>$ 15.8M</td>
<td>$ 22.2M</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>$ 0.4M</td>
<td>$ 0.6M</td>
</tr>
</tbody>
</table>

**CURRENT CONTRACT/OEM**
- T-REX Multiple Award IDIQ Contract
- Multiple OEMs - Contact TILO

---

**TVS/RSTA Portfolio:**
**Family of Systems**
- Attended
- Semi-Attended
- Unattended

---

**POINT OF CONTACT**
- Technology & Industry Liaison Office
- TILO@SOCOM.mil
- 813-826-9482
TVS/RSTA Insertion Roadmap

TVS

- TVS
- Integrated Reporting Architecture
- Swappable/Modular Components
- Tactical Radar
- "Smart" Target ID UGS
- Hidden Personnel Detection

FY 17 18 19 20 21 22 23
Blue Force Tracker (BFT)

Mission Set Fielding to Components:
• Family of Devices that are Small, Lightweight, Employ Multiple Waveforms, & Have Self-Contained Transmitters

Priorities:
• Multiple Waveform Support; Battery Life; MGUE Integration
• Assured Position Navigation and Timing
• Maximum Benefits Leveraging OGA Efforts

BFT Family of Devices:
• Iridium Based
• Government Off The Shelf (GOTS)

ACQUISITION STRATEGY
• Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE
• Varied

MILESTONES
• Device Selection Annually
• NET Continuously
• Capital Equipment Replacement

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

FUNDING
<table>
<thead>
<tr>
<th>APPROP</th>
<th>FY18</th>
<th>FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>O&amp;M</td>
<td>$ 1.7M</td>
<td>$ 1.4M</td>
</tr>
<tr>
<td>PROC</td>
<td>$ 3.4M</td>
<td>$ 9.7M</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>$ 0.07M</td>
<td>$ 0.07M</td>
</tr>
</tbody>
</table>

CURRENT CONTRACT/OEM
• Multiple – Leveraging OGAs
BFT Insertion Roadmap

BFT

SHOUT-TS1

MicroGram Integration
Enhanced devices
M-Code GPS User Equipment (MGUE) Integration
Multi-Waveform Transmitter Replacement

FY 17 18 19 20 21 22 23
### Special Communication Enterprise (SCE)

**Development Effort:**
- MS are continuously tailored based on threat and capability
- Two/Three annual increments

**Priorities:**
- Providing operationally relevant SC equipment in fluid and unique environment
- Providing low density two way communications with diverse capabilities

### ACQUISITION STRATEGY
- Acquisition Category III (ACAT III)

### PERIOD OF PERFORMANCE
- Varied

### MILESTONES
- MS Selection Annually
- NET Continuously
- Technical Insertion to Maintain Relevancy

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

### FUNDING

<table>
<thead>
<tr>
<th></th>
<th>FY18</th>
<th>FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROP</td>
<td>$ 8.2M</td>
<td>$ 8.5M</td>
</tr>
<tr>
<td>O&amp;M</td>
<td>$ 4.5M</td>
<td>$ 2.7M</td>
</tr>
<tr>
<td>PROC</td>
<td>$ 4.7M</td>
<td>$ 4.3M</td>
</tr>
</tbody>
</table>

### CURRENT CONTRACT/OEM
- T-REX Multiple Award IDIQ Contract
- Multiple OEMs – Contact TILO
- Leveraging OGAs
SCE Insertion Roadmap

Special (US-only) Communications

Device 1  Device 2  Device 3

Wave Form 1  Wave Form 2

Low Visibility Communications

FY 17 18 19 20 21 22 23
Capability Insertion Opportunities

- Size, Weight and Power Reductions
- Balancing Tailoring with Configuration Management
- Interoperability with Legacy Systems
- Modular / Multi-Use Components
- Technology Refresh in Fluid Environment
- Data Transfer Capabilities
- Image and Video Compression Techniques
- Tagging, Tracking, and Locating (TTL) Technologies that can be used on Persons and Objects
  - Maritime TTL Focus for FY19
- Affordable TVS/RSTA Capabilities for UGS / Surveillance Systems
- BFT Technology that is M-Code Compliant
- Miniaturized Data Transport Segments for Long Distance Transfers
- Raptor Plug-In Development
How to do Business with PM TCC

- **USSOCOM-BAAST-2015, Appendix G2 Spring 2018, SOF AT&L-SRSE**
  - Proposals Due 20 May 2018

- **USSOCOM-BAAST-2015, Appendix G2 Spring 2018, SOF AT&L-SRSE**
  - Maritime TTL Classified (Secret); Proposals Due 15 June 2018
  - Submit White Papers/Quad in accordance with National Industrial Security Program Operating Manual instructions for mailing classified documents

- **Technology & Industry Liaison Office** (https://www.socom.mil/SOF-ATL/Pages/submit-your-idea.aspx)

- **S&T Technical Experimentation Events** (https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx)