

## 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



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# 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	FY19
• O&M	\$20.1M	\$20.3M
• PROC	\$19.0M	\$19.0M
• RDT&E	\$ 0.8M	\$ 0.8M

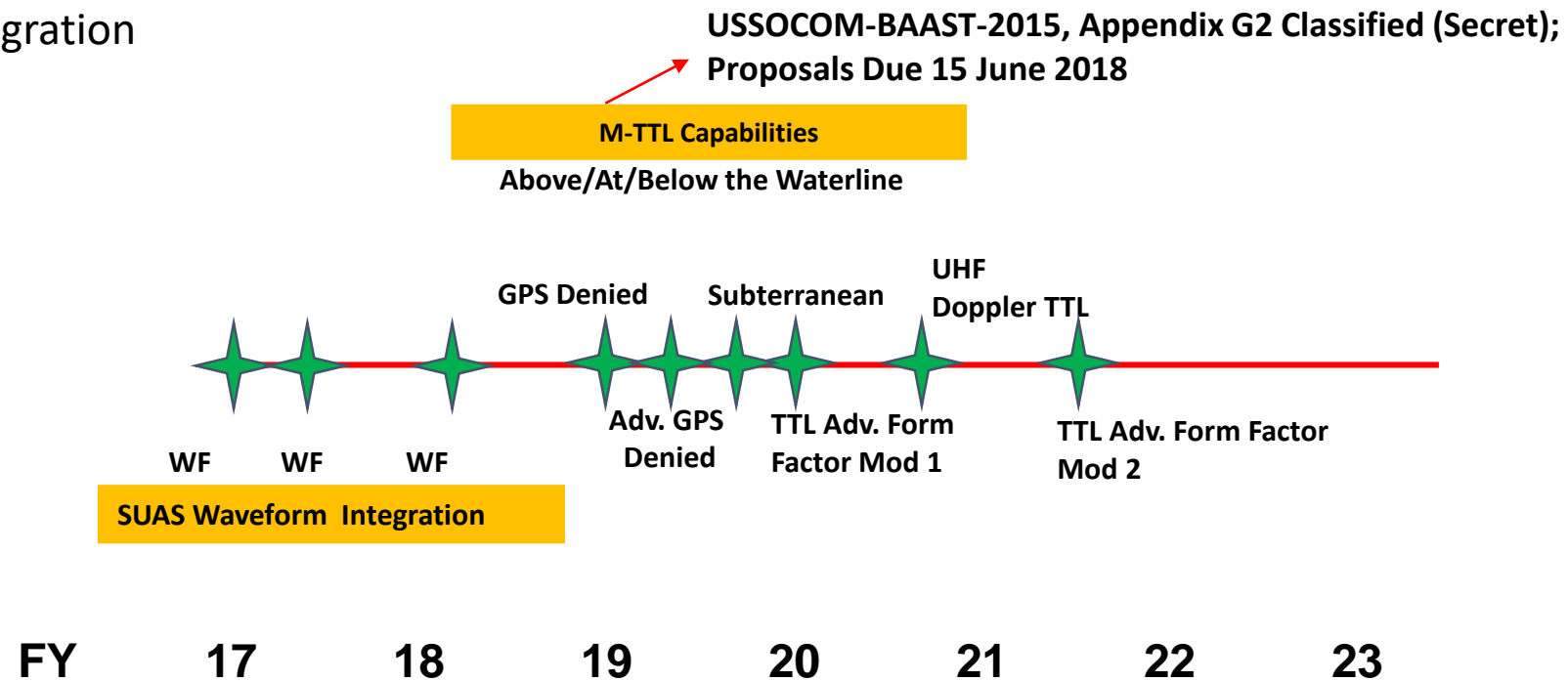
### CURRENT CONTRACT/OEM

- 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

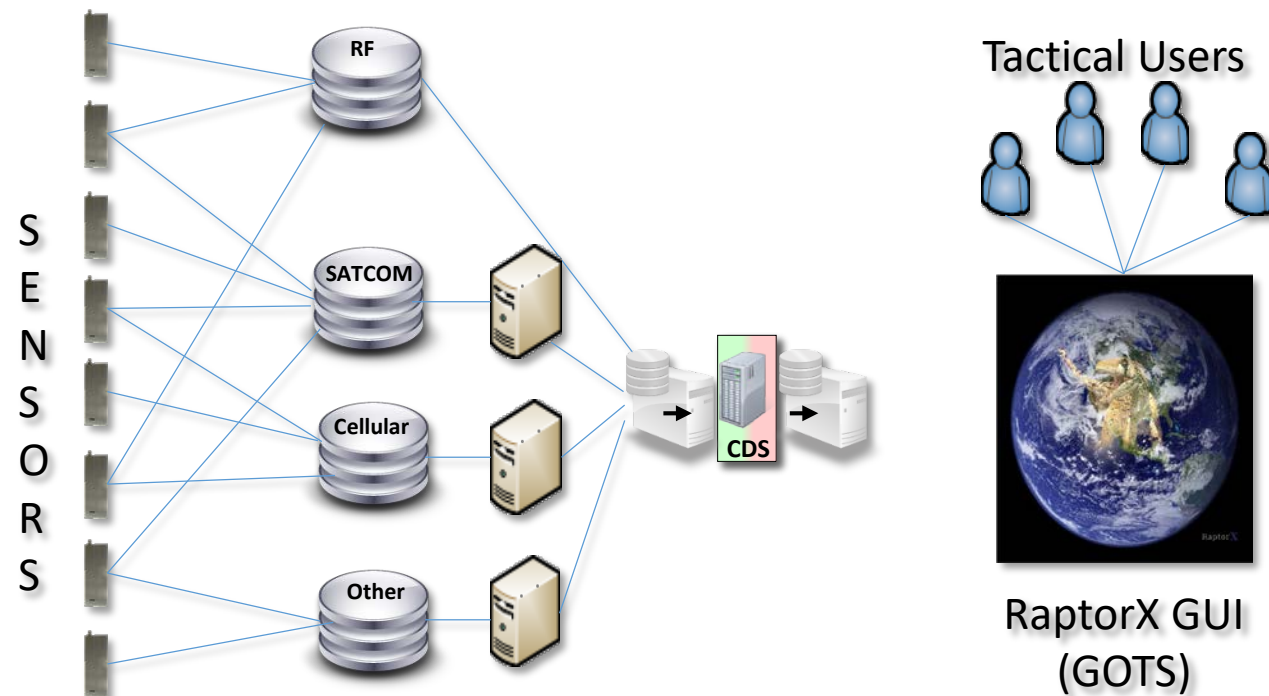


# KeyMaker TTL and UGS Data Dissemination

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 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

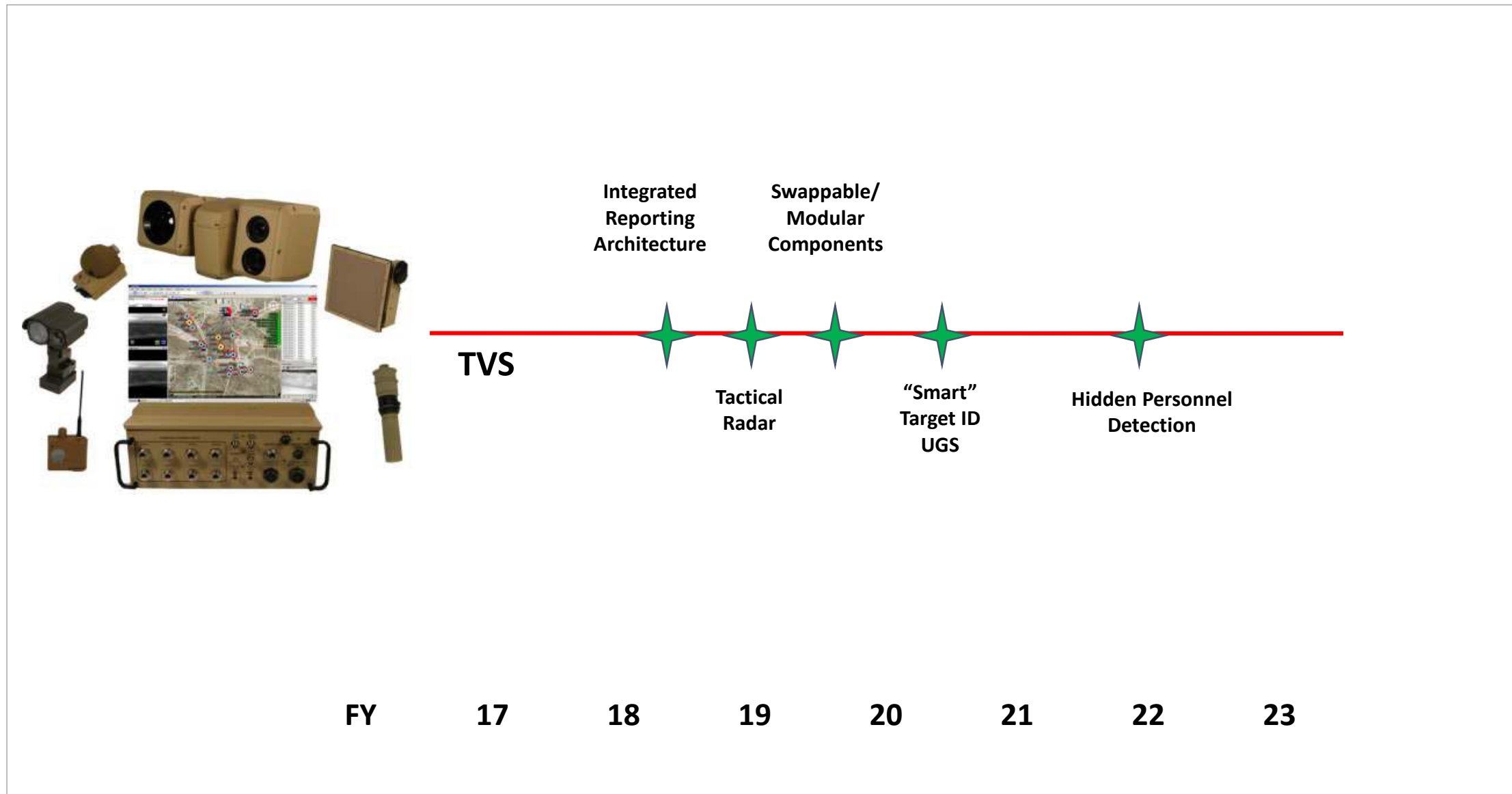
## TVS/RSTA Portfolio:

### Family of Systems

- Attended
- Semi-Attended
- Unattended

<p style="text-align: center;"><b>ACQUISITION STRATEGY</b></p> <ul style="list-style-type: none"> <li>• Commodity Procurement Project (CPP)</li> </ul>	<p style="text-align: center;"><b>PERIOD OF PERFORMANCE</b></p> <ul style="list-style-type: none"> <li>• Deliver Capability Within 90-Days to 1 Year of Contract Award (Norm)</li> </ul>	<p style="text-align: center;"><b>MILESTONES</b></p> <ul style="list-style-type: none"> <li>• Kit Selection Annually</li> <li>• Sustainment Training Continuously</li> <li>• Capital Equipment Replacement</li> </ul>												
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# TVS/RSTA Insertion Roadmap





# Blue Force Tracker (BFT)

## Mission Set Fielding to Components:

- Family of Devices that are Small, Lightweight, Employ Multiple Waveforms, & Have Self-Contained Transmitters

## Priorities:

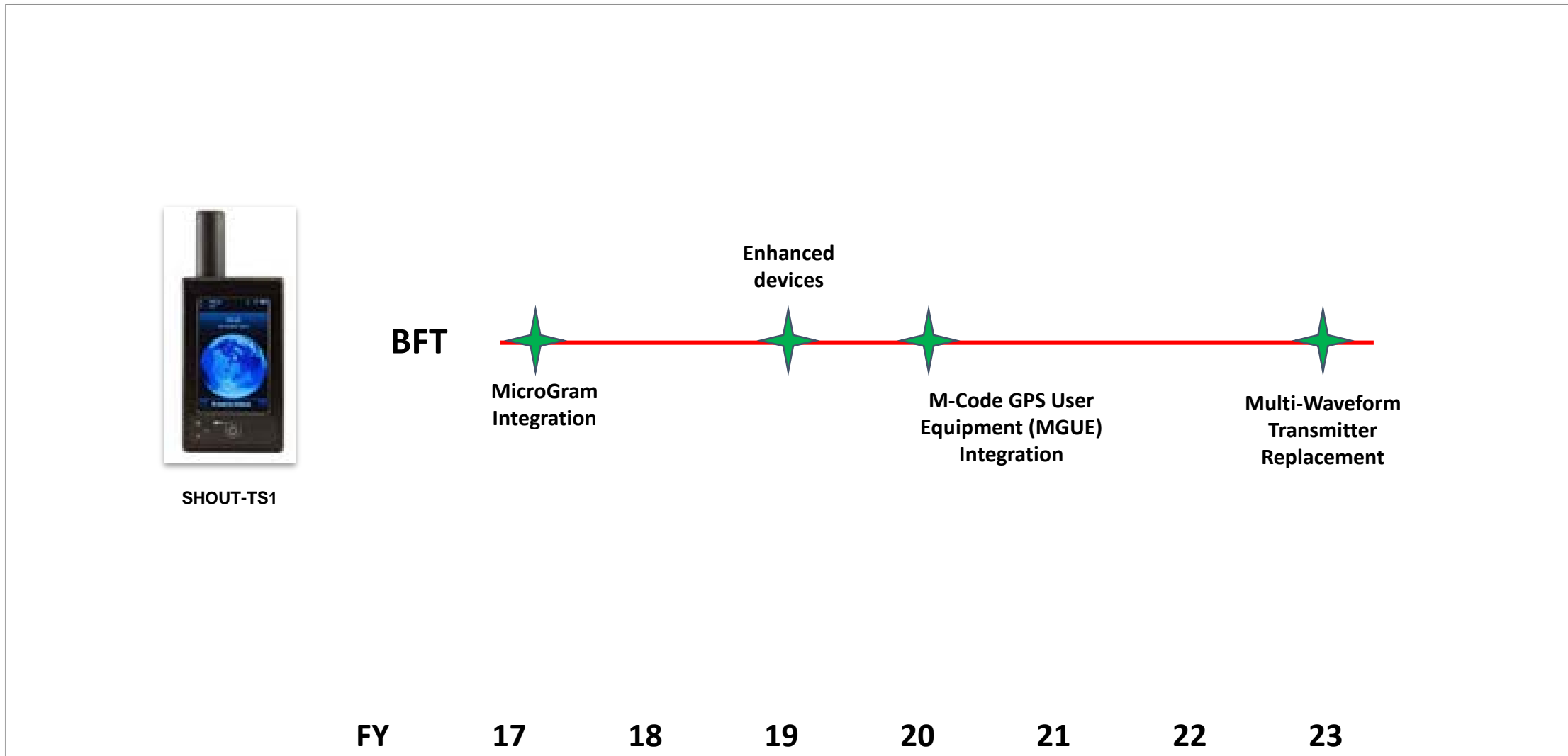
- Multiple Waveform Support; Battery Life; MGUE Integration
- Assured Position Navigation and Timing
- Maximum Benefits Leveraging OGA Efforts

## BFT Family of Devices:

- Iridium Based
- Government Off The Shelf (GOTS)

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# BFT Insertion Roadmap



# Special Communication Enterprise (SCE)

## Development Effort:

- MS are continuously tailored based on threat and capability
- Two/Three annual increments

## Priorities:

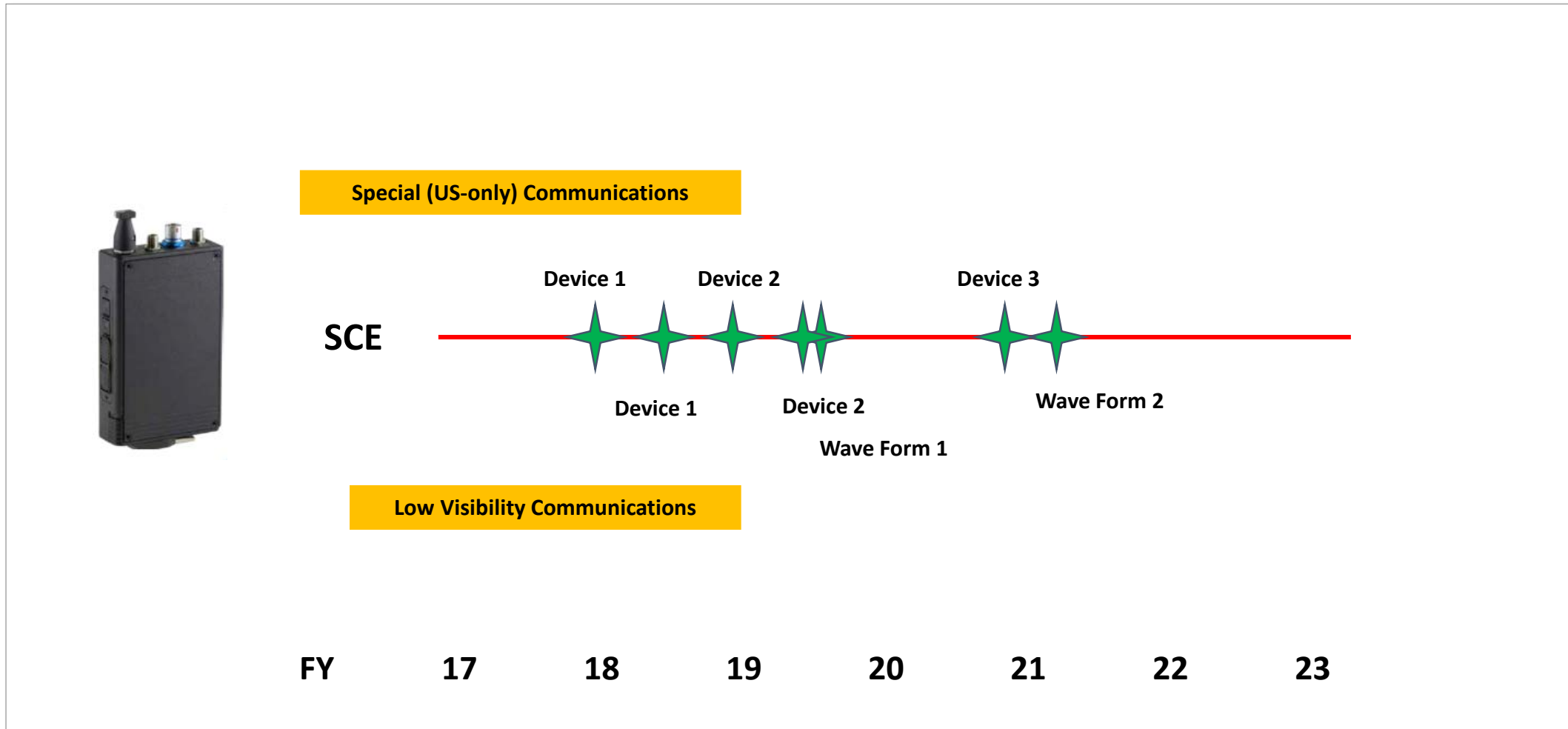
- Providing operationally relevant SC equipment in fluid and unique environment
- Providing low density two way communications with diverse capabilities

## SCE Portfolio:

- Field Segment
- Transport Segment
- Enterprise Control Segment
- Base End Segment

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES												
<ul style="list-style-type: none"> <li>• Acquisition Category III (ACAT III)</li> </ul>	<ul style="list-style-type: none"> <li>• Varied</li> </ul>	<ul style="list-style-type: none"> <li>• MS Selection Annually</li> <li>• NET Continuously</li> <li>• Technical Insertion to Maintain Relevancy</li> </ul>												
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# SCE Insertion Roadmap



# 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
  - Submit White Papers/Quads via <https://www.socom.mil/SOF-ATL/Pages/baa.aspx>
- **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>)**