

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Accelerating SOF Innovation

Mr. Glen Cullen *Program Manager*
SENSITIVE SITE EXPLOITATION (SSE)



Program Management Office

Sensitive Site Exploitation

Fielding to Components

- Continuously Tailored
- Two/Three Annual Increments

SSE Priorities

- On Site Collection, Verification, and Enrollment of Biometrics (Iris, Face, DNA, Fingerprint, etc.)
- Apply Forensic Principles to Collected Exploitable Materials (CEM) for Rapid Detection, Collection, Identification, Analysis, and Dissemination to the Intelligence Community

SSE Portfolio

- Biometrics
 - ID Kits
 - Enrollment Kits
- Forensics
 - Operator Advanced Kits
 - Enabler Kits
- Exploitation Analysis Centers (EAC)

ACQUISITION STRATEGY

- Commodity Procurement Project (CPP)
- COTS (and modified versions)

PERIOD OF PERFORMANCE

- Deliver Capability Within 90-Days to 1 Year of Award (Norm)

MILESTONES

- Kit Selection semi-annually
- NET Continuously
- Technical Insertion to Maintain Relevancy

NEXT EVENT

- Tactical DOMEX Event
- 4TH Quarter FY19

FUNDING

<u>APPROP</u>	<u>FY19</u>	<u>FY20</u>
• O&M	\$ 12.821M	\$ 12.654M
• PROC	\$ 6.872M	\$ 7.453M
• RDT&E	\$ 0.186M	\$ 0.188M

CURRENT CONTRACT/OEM

- T-REX Multiple Award IDIQ Contract
- Multiple OEMs

SSE Kit Fielding

- **Biometrics**

- ID Kits: Fingerprint, Facial And Iris Collection and Matching
- Enrollment Kit: Multi-fingerprint Scanner And Badge Printer

- **Forensics**

- Operator Advanced (OA) Kit (Collection): DNA And Latent Print, Forensic Chemistry (Bulk and Trace Element Detection), Low Level Exploitation
- Enabler (EN) Kit (Exploitation): Advanced Level Document, Digital Media, Cell Phone Exploitation

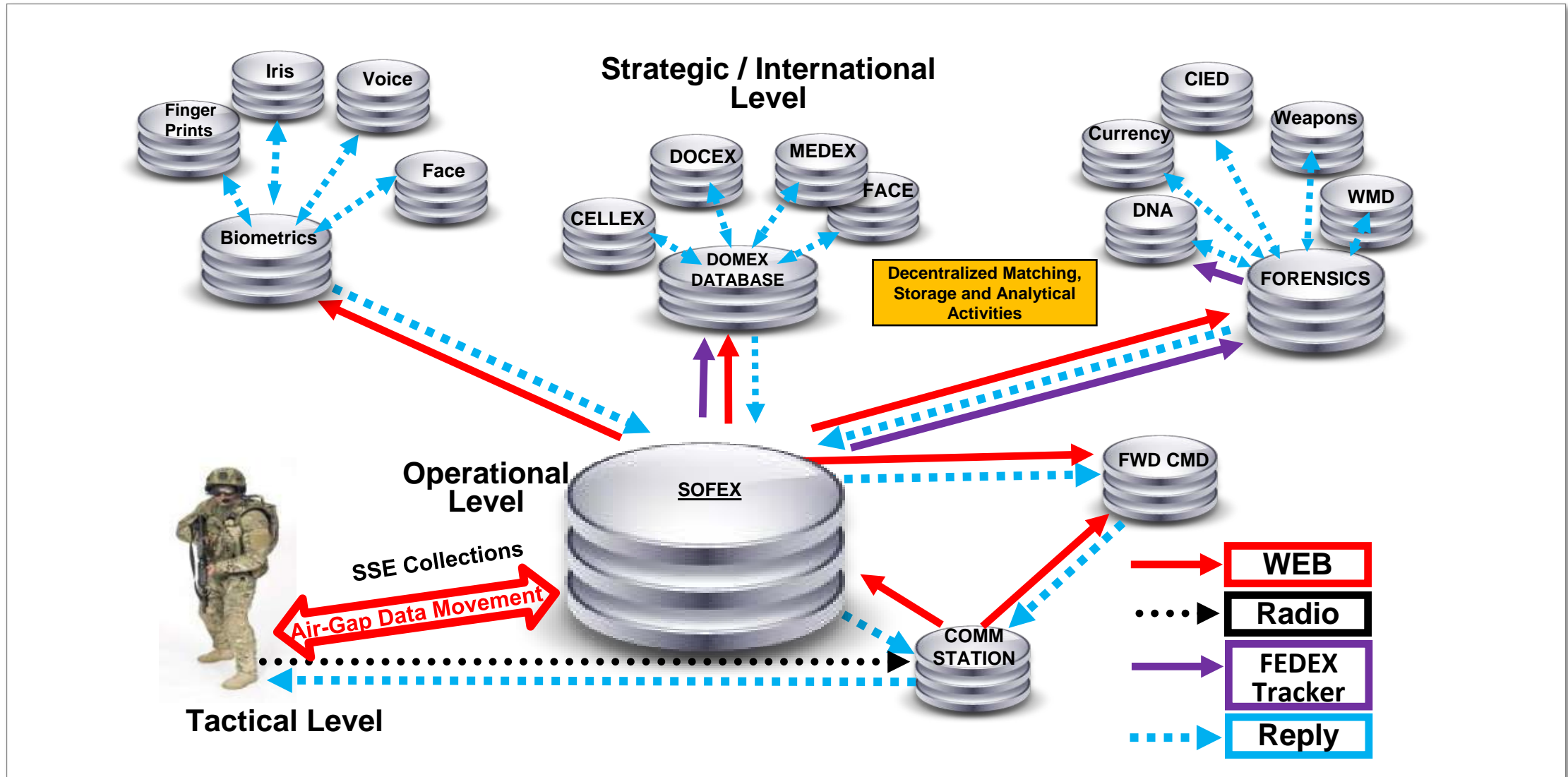
- **Exploitation Analysis Center**

- Rapid DNA, Forensic Chemistry, Advanced Latent Print Extraction, OA Kit, EN Kit

SOF Warriors performing SSE Mission are experts in all disciplines of Forensic Science

SOF Exploitation Portal

SOFEX Portal Enables Tx/Rx of Intelligence Data



Additional Capability Insertion Opportunities

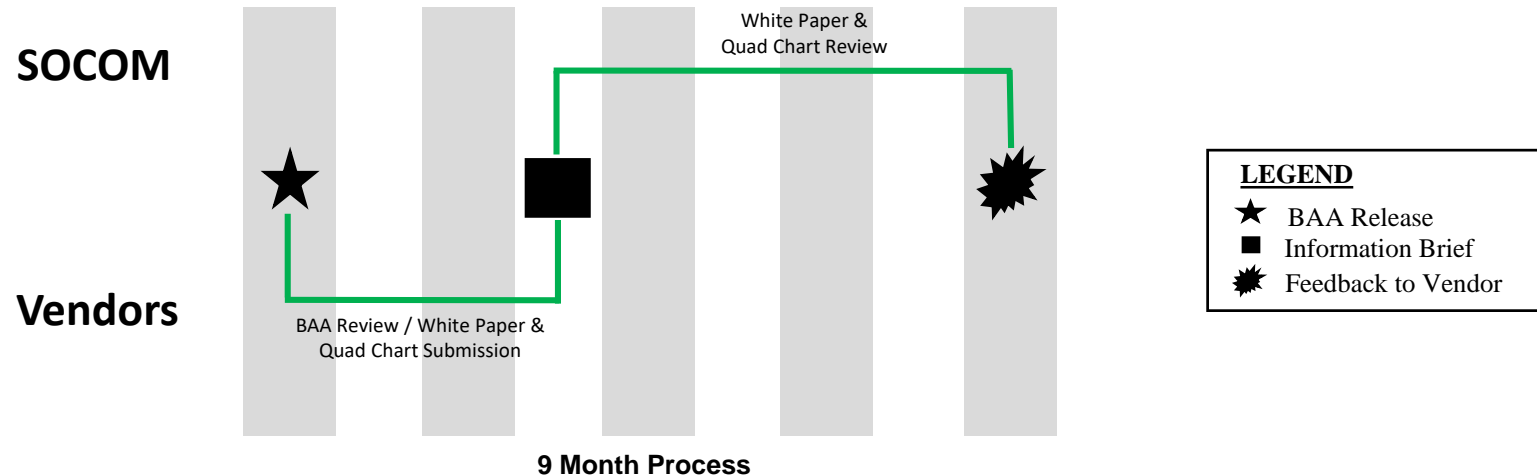
- **Automated Low Level Analysis (Link Diagrams, Association Matrices, Correlation Matrix, Pattern Wheel Analysis)**
- **RAID Exploitation**
- **Parsers**
- **Un-Tethered CELLEX/DOMEX Collection (2.4Ghz, Bluetooth, 802.11, etc.)**
- **Contactless Fingerprint Collection**
- **Dialect Agnostic and Non-Server Dependent Translation**

General Considerations

- **Average User - Proficient in Mobile Electronics (24 to 35 years old)**
- **SWAP-C**
- **Software**
 - Non-Proprietary API
 - Windows 10 (Linux if dual boot capable)
 - Compliant w/ Intelligence Community Databases
- **Cyber Protection**
- **Ruggedized (*MIL STD 810-G Desired*)**
- **Reduce User Cognitive Workload / Intuitive**
- **Limited Time on Objective**
- **Logistics**
 - Shipping and Storage
 - DOT Compliant
 - Shelf Life

Business Process

- **Developmental Item (Technology Readiness Level 1-6)**



- **Start Point:**

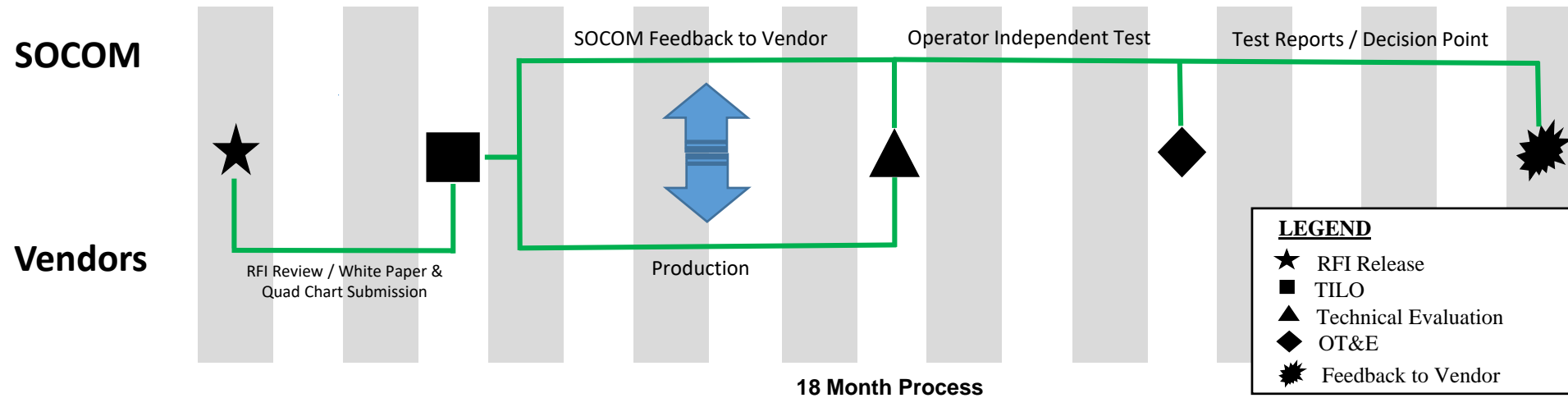
- USSOCOM-BAAST-2015, Appendix G1, SOF AT&L-SRSE (Open Until September 30, 2019)
 - BAA - https://www.fbo.gov/index?s=opportunity&mode=form&id=f0e1fa515fc227b22ce246068b7491be&tab=core&_cview=1
 - White Paper / Quad Chart Submission - <https://www.socom.mil/SOF-ATL/Pages/baa.aspx>
- S&T Technical Experimentation Events - <https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx>

- **SOF Operator Input Drives Award**

- Notional Award 7-9 Months After Decision to Proceed (Request For Proposal, Statement of Work Development, Negotiations with Contract Officer and Final Award)
 - Dependent on Funding Availability
 - Period of Performance (PoP) Typically 12-15 Months

Business Process

- **Commercial-Off-The-Shelf Items (Technology Readiness Level 7-9)**

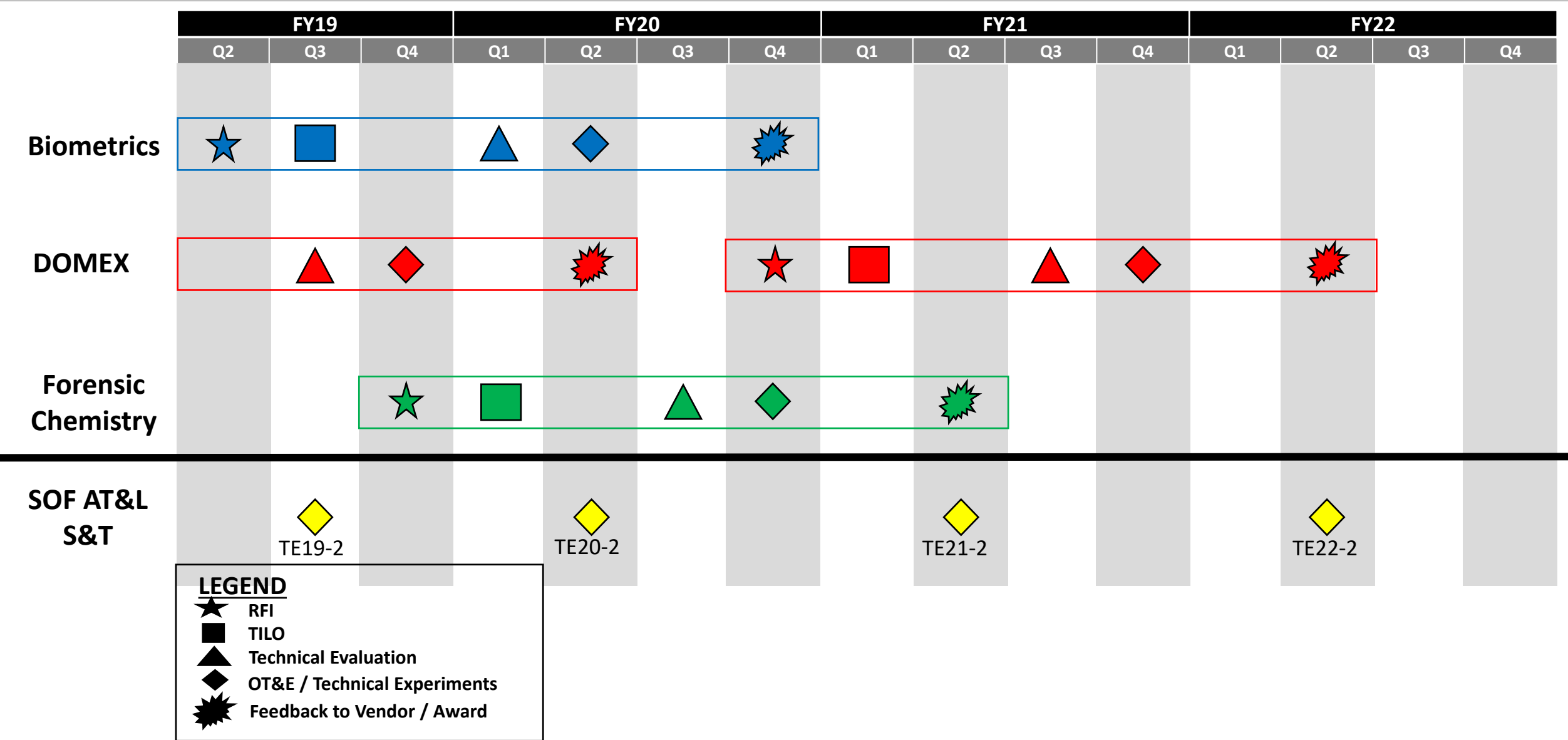


- **Start Point:**

- RFI Location – FEDBIZOPS <https://www.fbo.gov/>
- White Paper / Quad Chart Submission - Technology & Industry Liaison Office <https://www.socom.mil/SOF-ATL/Pages/submit-your-idea.aspx>

- **SOF Operator Input Drives Award**

Upcoming Events



Lancaster Eagle-Gazette
Law enforcement introduces new way to test drugs
due to fentanyl increase.

- Jeff Barron March 20, 2019

Samsung Galaxy S10
in-display ultrasonic
fingerprint sensor just
got unmasked

Aaron Brown (T3)
2018-12-05T16:30:29Z

Osama bin Laden's Identity Confirmed With Biometrics Technology.
You're Next -- and You Should Care

Ben Kerschberg (Forbes)

SOCOM SSE IS A TECHNOLOGY DRIVER

How drone forensics can reveal pilot
identity

-Kelly McSweeney (ZDNet)

California taps war-zone DNA
specialists after wildfire

Gabriella Borter (Reuters)

November 15, 2018 / 6:06 AM

...and a damaged drone, they can still take it apart to reveal personal details about the pilot.