

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Science & Technology

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Agenda

- 2013 USSOCOM Science & Technology (S&T) Strategic Plan
- Collaboration
- S&T Swim Lanes
- S&T Needs
- S&T Funding / Project Examples
- Technical Experimentation – Request for Information (RFI)
- Broad Agency Announcement (BAA)



2013 S&T Strategic Plan

- Available for download on USSOCOM public website at:
www.socom.mil/sordac/Documents/2013STStrategicPlan.pdf



S&T Capabilities to the SOF Operator

Other Government Labs /Agencies
& Industry



Acquire
& Deliver

Needs &
Requirements

Operational
Enhancements

Operational
Enhancements
&
Other Tech
Insertions

Fund
& Leverage

Science & Technology

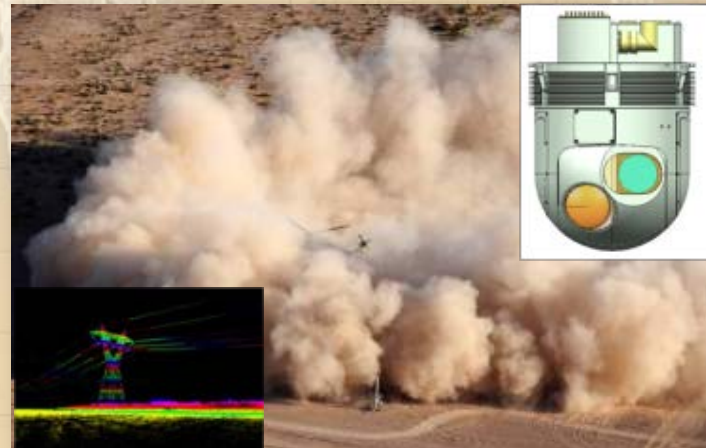
S&T Development

Special Operations Research, Development and Acquisition Center (SORDAC)

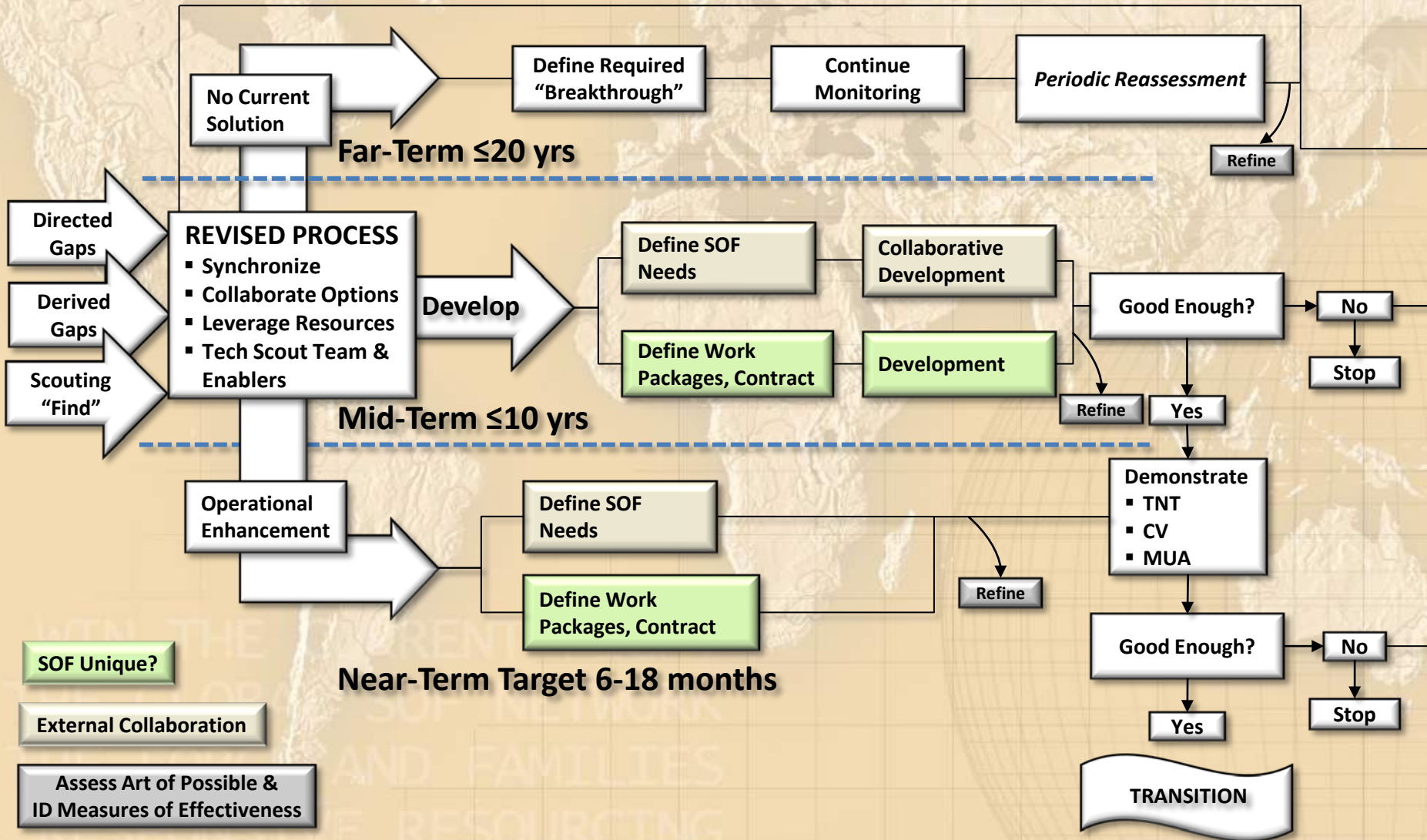
- Joint Acquisition Task Force (JATF)
- SOF Warrior (PEO-SW)
- Special Reconnaissance, Surveillance & Exploitation (PEO-SRSE)
- Maritime (PEO-M)
- Rotary Wing (PEO-RW)
- Fixed Wing (PEO-FW)
- Command, Control, Computers, and Communications (PEO-C4)
- SOF Support Activity (PEO-SOFA)

Special Operations Advanced Technology Collaborative (SOATC) Process

- USSOCOM S&T pursues technology innovation and utilizes a SOATC process for SOF-centric S&T development
- SOATC process allows better synchronization of SOF-related technology initiatives occurring with the Department of Defense and across other government agencies
- Improves collaboration with stakeholders and leverages external capital opportunities to address SOF capability gaps



S&T Swim Lanes



SOF Needs



- Comprehensive Signature Management (CSM)***
- Human Performance***
- First Pass Accuracy and Lethality**
- Small Unit Dominance (SOFSUD)***
- Intelligence, Surveillance, & Reconnaissance (ISR)**
- Tagging, Tracking, & Locating (TTL)**
- C4 Revolutionary Capabilities**
- Electro-optics, IR & Lasers**
- Military Information Support Operations (MISO)**
- Scalable Effects Weapons (SEW)**
- Anti-Access/Area Denial (A2/AD)***
- Battlespace Awareness***
- Leap Ahead Energy & Power Systems**
- Sensitive Site Exploitation (SSE)**
- * FY15-19 Science and Technology Integrated Priority List (STIPL)**

Applied Research (BA2) & Advanced Technology Development (BA3)

- BA2 – Studies, Early Laboratory Hardware, Software Development Models, Concept Exploration: Technology Readiness Level (TRL) 3-5
- BA3 – Prototypes, Demonstrations, Operational Leap Ahead Capability: TRL 5-7

ACQUISITION STRATEGY

- Various (Competition, IDIQ, CRADA, etc.)
- Leverage External Acquisition (Services, Laboratories, OGAs)

PERIOD OF PERFORMANCE

- Project Dependent: S&T is emphasizing technology discovery and longer term technology development efforts to provide revolutionary, game-changing capabilities for the future force

MILESTONES

- Project Dependent

POINT OF CONTACT

- SORDAC-ST: 813-826-9489

FUNDING

- FY13 BA2/3: \$34.642M
 - FY14 BA2/3: \$34.903M
- Notes:14PB, TTL not included

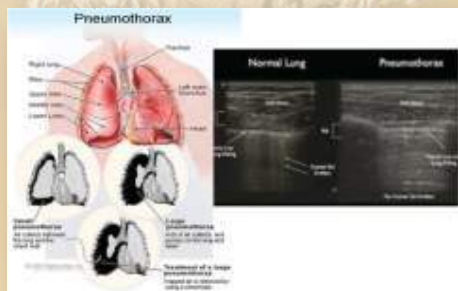
CURRENT CONTRACT/OEM

- Various



S&T Project Examples

Pneumothorax Sonographic Assessment



Night Vision Devices



Case, Directional Fragmentation APERS



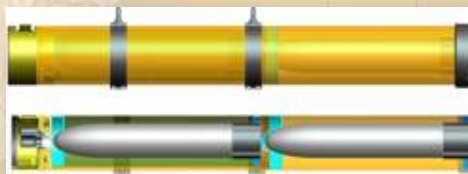
Conformal Antenna Development



Technical Experimentation Events



Multi-Missile Common Launch Tube



360° Periscope



Encapsulated Body Armor Ceramics



Technical Experimentation

- aka TNT – utilizes venues to rapidly assess, develop, counter, and exploit emerging capabilities to address immediate SOF needs
- Technical Experimentation RFI's posted on www.fbo.gov
- Upcoming Experimentation Events
 - Signature Reduction / Summer 2013
 - POTFF / Fall 2013
 - Maritime Environment / Winter 2014
- www.socom.mil/sordac/Pages/ExpWithUS.aspx
- Pay Off – Provides opportunity for technology developers to interface with SOF operators; IDs solutions to high-priority SOF needs; & Allows for increased awareness of technology maturity



Broad Agency Announcements

- S&T BAAs will be focused on targeted capability gaps
- Participate in OSD Rapid Innovation Fund (RIF) BAA
- USSOCOM BAA 13-1 Biomedical Research and Development





Questions?

