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# SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS

TRUSTED EXPERTS

## SCIENCE & TECHNOLOGY OVERVIEW

**HOWARD STRAHAN**

DIRECTOR (ACTING), SCIENCE & TECHNOLOGY



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**SOF AT&L-ST VISION**

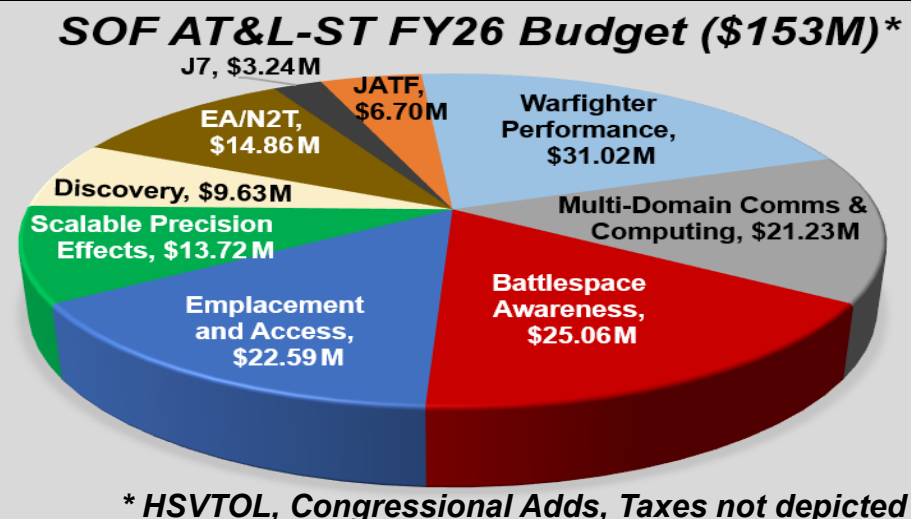
# **Innovate for Future Threats**

**Relentlessly Discover, Develop, Adapt  
Special Operations-Peculiar Advances in  
Technologies that Create Asymmetric  
Advantages for SOF Integrated Deterrence  
Across the Full Spectrum of Conflict**

**Modernization of SOF – Prepare Today to Win Tomorrow**



# Science & Technology Directorate



## Warfighter Performance FY26 Budget – \$31M

- Human Performance
- Brain Health
- Biomedical

## Multi-Domain Comms & Computing FY26 Budget – \$21M

- Contested Comms
- Edge Computing
- Defensive Cyber

## Emplacement and Access FY26 Budget – \$23M

- Platform Signature Management
- Personnel Signature Management
- Advanced Materials
- Active Electronically Scanned Array Radar

## Scalable Precision Effects FY26 Budget – \$14M

- Offensive Cyber
- Kinetic Attack
- Electromagnetic Warfare
- Non-Kinetic Attack

## Battlespace Awareness FY26 Budget – \$25M

- UxS & Placed Sensors
- Deep Look Sensors
- Tactical Sensor Fusion & Analysis
- Theater Analysis & Mission Planning

## Cross-cutting Tech FY26 Budget – \$48M (within Capability Areas)

- Artificial Intelligence
- Contested Communications
- Collaborative Autonomy
- Contested Logistics

## Process

### GUIDANCE

- Command Strategic Programming Guidance (SPG)
- Command Modernization Strategy
- Key Operational Problems (KOPs)
- Enterprise Gaps

### ANNUAL INVESTMENT STRATEGY

- Annual prioritization based on TSOC/Component/PEO needs leading to AE approval

### INPUTS

- S&T Council (TSOC/Component/Directorate needs)
- AT&L PEO Technology Roadmaps
- Discovery Events
- Solicitation (Vulcan/eSOF, Broad Agency Announcements)
- PEOs/Component/TSOC Reps assess and prioritize

## Engagements

### DESIGN SYSTEMS ENGINEERING FROM CONCEPTS TO PROTOTYPES

- 1-2 Cycles per year

### TECHNICAL EXPERIMENTATION (Test & Demonstration)

- 3 Events per year

### S&T ENTERPRISE PORTFOLIO REVIEW (STEPR)

- 1 Sync per year with stakeholders ensuring continuous alignment

## Partnerships

### TECH DEV PARTNERSHIPS

- SOFWERX
- DoW, FFRDCs, FEDERAL LABS
- UARCs, ACADEMIA
- FVEY + NOR/SWE GOV LABS

### TRANSITION PARTNERSHIPS

- USSOCOM Program Executive Offices
- Defense Health Agency (DHA) and Other Government Agencies (OGA)
- Service Programs of Record
- Commercial Entities

# USSOCOM Science and Technology Funding

PE 1160401BB (BA2 – Applied Research) – TRL 2-4

PE 1160402BB (BA3 – Advanced Technology Development) – TRL 5-7

PE 1160279BB (BA7 – Small Business Innovation Research/Small Business Technology Transfer)

RDT&E	FY26 † (Requested)	FY26 † (Enacted)	FY27 † (Requested)	FY27 † (PB)	FY28 (PB)	FY29 (PB)	FY30 (PB)	FY31 (PB)	FY27-31 (PB)
BA2 Budget \$M	50.427	50.026	52.856	50.856	51.840	52.847	53.943	55.062	264.548
BA3 Budget \$M †	156.429	152.282	139.079	126.085	108.494	110.274	112.075	114.275	571.203
BA7 Budget \$M	-	TBD	-	-	-	-	-	-	-

† BA3 Budget includes FY26-FY27 HSVTOL funding

**• 1% of USSOCOM's Overall Budget, 1% of DoW Applied Research & Advanced Tech Development Funds**  
**• Pathfinder for SOF and greater DoW**

# OPPORTUNITIES FOR COLLABORATION

- **Discovery**

- Operator Inputs
- Vulcan / engage SOF (eSOF)
- Innovation Cycle
- Cooperative Research and Development Agreement (CRADA)
- SOFWERX

- **Collaborations**

- Technical Experimentation (TE) events
- Rapid Prototyping events
- Exercises

- **Engagement Opportunities**

- Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR)
- Broad Agency Announcements (BAA)
- Indefinite Delivery, Indefinite Quantity contracts
- Commercial Solutions Opening
- SOFWERX

**Industry, Academia, Labs, International**

# NEW OPPORTUNITIES

- **New Opportunities**
  - **SOF Racer**
  - **Other Transaction Authority (OTA) Consortium**

**Industry, Academia, Labs, International**

# SCIENCE & TECHNOLOGY ENGAGEMENT TOOLS

S&T ACTIVITY	OPPORTUNITY	ENGAGEMENT
<b>Vulcan / Engage SOF (eSOF)</b> POC: Ms. Kimberly Carberry <a href="mailto:eSOF@socom.mil">eSOF@socom.mil</a>	<ul style="list-style-type: none"> <li>• Conduit for the SOF AT&amp;L Enterprise</li> <li>• Matches your company's product/service/capability to the appropriate personnel within the command and schedules, discussions or demos</li> </ul>	<ul style="list-style-type: none"> <li>• Go to <a href="https://www.socom.mil/SOF-ATL/Pages/submit-your-idea.aspx">https://www.socom.mil/SOF-ATL/Pages/submit-your-idea.aspx</a> for information and link to USSOCOM Areas of Interest and for the submitting your idea into Vulcan <a href="https://vulcan-sof.com/">https://vulcan-sof.com/</a></li> </ul>
<b>Small Business Innovation Research (SBIR)/ Small Business Technology Transfer (STTR)</b> POC: Ms. Robin Burke <a href="mailto:SBIR@socom.mil">SBIR@socom.mil</a>	<ul style="list-style-type: none"> <li>• S&amp;T manages USSOCOM's SBIR/STTR programs</li> <li>• Stimulates innovation for small businesses</li> <li>• 3 Phases, Phase I is a Study (\$175K), Phase II Prototype (\$1.3M), Phase III Commercialization</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.socom.mil/SOF-ATL/Pages/sbir.aspx">https://www.socom.mil/SOF-ATL/Pages/sbir.aspx</a></li> <li>• USSOCOM participates in 12 SBIR/STTR on-ramps per year (one per month)</li> </ul>
<b>Technical Experimentation (TE) Events</b> POC: Mr. Dave Saren <a href="mailto:tech_exp@socom.mil">tech_exp@socom.mil</a>	<ul style="list-style-type: none"> <li>• Conducts three events every fiscal year each with different theme(s)</li> <li>• Industry opportunity to engage and demonstrate technology/concepts and get direct feedback from SOF Operators/Acquisition Professionals</li> </ul>	<ul style="list-style-type: none"> <li>• Normally 3 events per year, TE Request for Information (RFI) posted on <a href="http://SAM.gov">SAM.gov</a> for each TE Event</li> <li>• Go to <a href="https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx">https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx</a></li> </ul>
<b>Cooperative Research &amp; Development Agreements (CRADA)</b> POC: Mr. Vince Seiferd <a href="mailto:discovery@socom.mil">discovery@socom.mil</a>	<ul style="list-style-type: none"> <li>• USSOCOM employs Overarching and Specific (Traditional) CRADAs</li> <li>• Legal agreement to provide general and specific access to USSOCOM needs</li> </ul>	<ul style="list-style-type: none"> <li>• Allows for the formulation and execution of Individual Work Plans (IWP) between the Collaborator – PEO/Directorate within SOF AT&amp;L</li> </ul>
<b>Broad Agency Announcements (BAA)</b> POC: Mr. Brad Penn <a href="mailto:BAAST20@socom.mil">BAAST20@socom.mil</a>	<ul style="list-style-type: none"> <li>• USSOCOM S&amp;T Directorate/PEOs develop and post BAAs to SAM.gov that provide Areas of Interest (AOI) to Industry and other external organizations</li> </ul>	<ul style="list-style-type: none"> <li>• S&amp;T has posted a 5-year BAA that is periodically updated with Areas of Interest (AOI) posted on SAM.gov</li> <li>• Biomedical and Human Performance BAA currently posted through Defense Health Agency</li> </ul>
<b>Innovation Cycles</b> POC: Ms. Cleao Martin <a href="mailto:discovery@socom.mil">discovery@socom.mil</a>	<ul style="list-style-type: none"> <li>• S&amp;T has developed a Foundry and Rapid Prototyping Cycle</li> <li>• S&amp;T conducts Foundry and Rapid Prototyping Cycle events to enable SOF's ability to accomplish missions 10-15 years in the future</li> </ul>	<ul style="list-style-type: none"> <li>• S&amp;T plans to conduct 1-2 Foundry and Rapid Prototyping Cycles per year</li> <li>• Events provide opportunities to attend and inject disruptive technology solutions for SOF</li> </ul>

# QUESTIONS?

Please visit S&T for more information!

S&T Main - Room 116-117 in PEO Row

SBIR/STTR - Room 112 in PEO Row

TE Room - 112 in PEO Row

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SOFWERX - Booth 2402 TCC 3<sup>rd</sup> Floor Mezzanine

eSOF/Vulcan - Booth 2406 TCC 3<sup>rd</sup> Floor Mezzanine



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# DOING BUSINESS WITH SOCOM

## Office of Small Business Programs (Will engage with companies of any size!)

First stop for questions, concerns, or assistance

POCs: Ashley Farrier and Paul Ward

Ashley.Farrier@socom.mil

Paul.Ward@socom.mil

osbp@socom.mil

813.826.9475

## Engage SOF (eSOF) on Vulcan

Pathway to present SOF relevant capabilities to USSOCOM

POC: Kimberly Carberry

Kimberly.r.Carberry.civ@socom.mil

eSOF@socom.mil

<https://www.engageSOF.com>

<https://www.Vulcan-SOF.com>

## SOFWERX

Unclass, open forum partnering with industry to solve Warfighter problems

<https://www.sofwerx.org>

## TECHNICAL EXPERIMENTATION

<https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx>

