

A night-time photograph of Special Operations Forces. In the foreground, a soldier is seen in profile, wearing a helmet with night vision goggles and a communication system. The background shows several other soldiers in silhouette, some holding rifles, and a helicopter flying in the dark sky. The scene is lit with a mix of blue and yellow light, creating a dramatic and tactical atmosphere.

**SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS**  
**Campaigning with Partners for Integrated Deterrence**

**Mr. Bill Innes**, Deputy Director for Acquisition

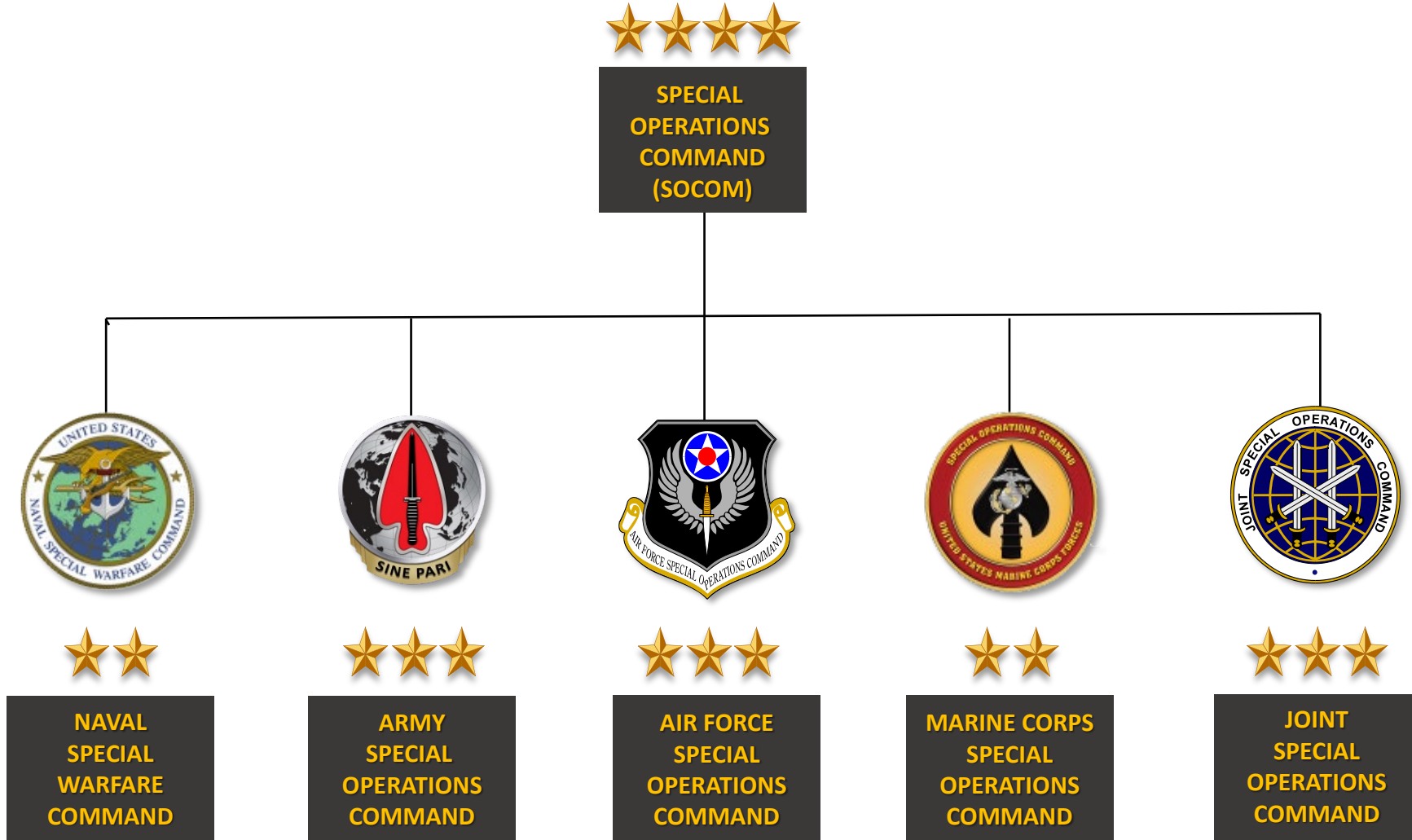
**INTRODUCTION TO USSOCOM & SOF AT&L**



# AGENDA

- **USSOCOM Overview**
- **Special Operations Forces Acquisition, Technology & Logistics (SOF AT&L) Overview**
- **Technology Focus Areas**
- **Partnering with USSOCOM**

# USSOCOM'S ORGANIZATIONAL STRUCTURE



# THEATER SOF LOCATIONS



**78,461** SOF

**4,867** DEPLOYED **90** LOCATIONS

**24/7**

**SOF OPERATIONS FORCES VISION STATEMENT**

Create strategic, asymmetric advantages for the Nation  
in integrated deterrence, crisis, & conflict.

# AUTHORITIES & RESPONSIBILITIES



# SOF AT&L



## MISSION

Provide rapid & focused acquisition, technology, & logistics to Special Operations Forces.



## VISION

Trusted Experts



## PRINCIPLES

Deliver capability to user expeditiously; exploit proven techniques & methods; keep Warfighters involved throughout process; take risk & manage it!

# WIDE ARRAY OF PROGRAMS

Fielding & Sustainment  
Rapid Prototype



**MAAWS**



**GMV1.1**



**ASR**



**Organic Precision Strike**

**GROUND**  
62 Programs/Projects



**MH-47**



**CV-22**



**DVEPS**



**AC130J**



**MCTF**

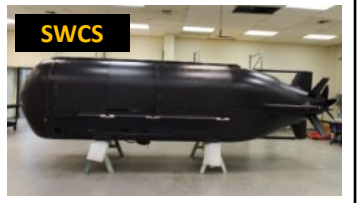
**AIR**  
37 Programs/Projects



**DDS/SDV**



**CCM Mk 1**



**SWCS**



**DCS**



**Combat Diving**

**MARITIME**  
24 Programs/Projects



**TACLAN**

End User Devices	
Field Computing Devices	Mobile Work Stations
<ul style="list-style-type: none"> <li>Field Computing Devices</li> <li>Mobile Work Stations</li> </ul>	<ul style="list-style-type: none"> <li>Mobile Work Stations</li> <li>Field Computing Devices</li> </ul>



**SDN-L**



**Hand Held Link-16**

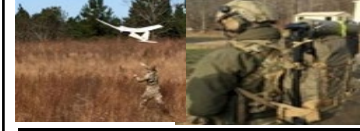


**FCDW**

**C4I**  
85 Programs/Projects



**Integrated Sensor Systems**



**Remote Capabilities**



**Sensitive Site Exploitation**



**MCS/COP**

**SR**  
35 Programs/Projects

MVCR  
(Minimum Viable Capability Release)

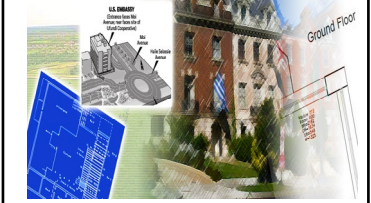
MVP  
(Minimum Viable Product)



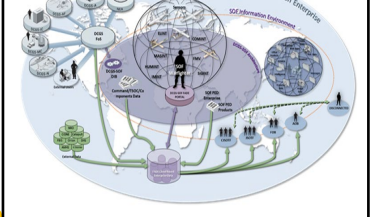
**J24-O SOPREP Mission**

**SOF PREP**

**ISP**



**DCGS-SOF**



**MCS/COP**

**DATA/SOFTWARE**  
8 Programs/Projects



# SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS ORGANIZATION



# LEVERAGING AGILE AUTHORITIES



## OTHER TRANSACTIONAL AUTHORITIES

FY18: 3 Awarded  
 FY19: 7 Awarded  
 FY20: 40 Awarded  
 FY21: 25 Awarded  
 FY22: 10 Awards to Date; 12 Remaining



## MID-TIER ACQUISITION

Rapid Prototyping (8)/Rapid Fielding (1)

- Armed Overwatch (AO)
- Remote Advice and Assist – Virtual Accompany Kit (RAA-VAK)
- Tactical Engagement (TE)
- Maritime Precision Engagement (MPE)
- Combat Diving (CD)
- Counter Unmanned Systems (CUS)
- Ordnance (PSS-G & PSS-M)
- Mine Resistant Ambush Protected (MRAP)
- Munitions Scalable Effects



## PARTNERSHIP INTERMEDIARY AGREEMENT

- Transitions to Program of Record (3)
- Consignments (9)
- Rapid Prototyping Projects (28)
- Capability Collaboration Events (7)
- Capability Assessment Events (5)
- Collaborative Project Orders (21)

# TECHNOLOGY FOCUS AREAS

- Next Generation Intelligence Surveillance, & Reconnaissance (ISR)
- Next Generation Mobility
- Precision Fires & Effects
- Hyper Enabled Operators
- Networks & Data
- Biotechnology & Human Interface

# TECHNOLOGY FOCUS AREAS

## NEXT GEN ISR

- Find, fix, finish, exploit & analyze
- Faster & improved accuracy
- Use with & through all domains (Air, Space, Cyber, Maritime, Ground)
- Constellation of multiple CubeSats & SmallSats containing ISR sensors
- Sensors capable threat warning, tracking, & data exfil
- Access to non-permissive environments

## NEXT GEN MOBILITY

- Increased survivability
- Alternate precision navigation & timing

## NEXT GENERATION EFFECTS

- Precision strike
- Kinetic/non-kinetic effects in directed energy & cyber

## BIOTECHNOLOGIES & HUMAN INTERFACE

- Empower the combat medic
  - Prolonged field care
- Increase physical & cognitive performance

## HYPER ENABLED OPERATOR

- Increased survivability, lethality, & situational awareness
- Advanced human-machine interfaces
- Improved decision making

## NETWORK & DATA MANAGEMENT

- Mobility of the SOF global mission force
- Provision connectivity anywhere with anyone
- Computing at the edge
- Embedded multimodal data discovery
- Artificial intelligence/machine learning
- Automatically discover, know, anticipate, collaborate

# S&T INTEGRATED PRIORITY LIST (STIPL)

- **Special Communications**: Resilient, survivable, federated networks & information ecosystems critical for successful execution of SOF missions
- **Tailable Lethality**: Significant increases in precision effects & combat lethality to deliver small unit dominance
- **Electronic Warfare (EW)**: Offensive EW & Cyber effects that can enable or execute collaborative non-kinetic/kinetic effects
- **Human Performance Optimization**: Novel means to monitor in real time, while safely improving/increasing the SOF operator's physical & cognitive abilities
- **Data Enabled SOF**: Advances in artificial intelligence/machine learning (AI/ML) & edge computing techniques to enable data accessibility, advanced processing & analysis, & dissemination in contested/disconnected operating environments. Advance SOF effectiveness through flexible autonomy, reduced operator cognitive loading, & timely actionable insight to tactical decision making

# PARTNERING WITH USSOCOM



# SOF AT&L International Operations

## “Strengthening Alliances and Attracting New Partners”

### INTERNATIONAL COOPERATION AGREEMENTS (IC)

#### COOPERATIVE CAPABILITY DEVELOPMENT

- Collective Knowledge of Partner Nations’ Technology Base
- Synergistic Development with Equitable Sharing of R&D Costs
- 1 Multilateral SOF Capability Development (SOF CD) Agreement
- 3 Bilateral Special Forces Equipment Capability (SFEC) Agreements
- 3 Bilateral SOF CD Working Groups under DOD RDT&E Project MOAs
- 5 Foreign Science and Technology Liaisons to SOF AT&L (Soon to be 6)
- Leverage 5 Irregular Warfare Technical Support Directorate IC Agreements



Example: Shared Development of Diesel LTATVs (MRZR-D)

### FOREIGN MILITARY SALES (FMS) & DIRECT COMMERCIAL SALES (DCS)



**Special Operations-Peculiar (SO-P) Equipment**

- 17 FMS Cases
- 10 Countries

**Input: DCS Export Licenses**



Laser Markers and Sights



Maritime Mobility

Rotary Wing SOF Mods

Air Drop Solutions

### COALITION WARFARE PROGRAM (CWP)

- Fosters Foreign Cooperative Development
  - Competitive – 50/50 Share of US Cost
  - Since 2010 – 7 SOF Projects...
- 5 Complete / 1 Ongoing / 4 Transitioned or Fielded



### FOREIGN COMPARATIVE TESTING (FCT)

- Fosters Foreign Solutions to US Requirements
  - Competitive – Avoids US Development Cost
  - Since 1996 – 87 SOF Projects...
- 82 Complete / 5 Ongoing / 57 Transitioned or Fielded



### DEFENSE EXPORTABILITY FEATURES (DEF)

- Assess, Design, Incorporate Exportability at Program Inception
- Industry Cost Share – 1 SOF Project
- Pilot Program 2011 – Full Program 2019



### FOREIGN DISCLOSURE OFFICE (FDO)

- SOF AT&L Foreign Disclosure Officers and Reps
- Coordinate Required Reviews for CMI/CUI Release
- Cat 1 – Organization, Trng & Employment of Mil Forces
- Cat 2 – Military Material & Munitions
- Cat 3 – Applied R&D Information & Materiel

### SECURITY COOPERATION (SC)

- International Interface to HQ USSOCOM
- J2 Tech Security and FDO Interface (TS/FDO)
- J3-International Interface for Interoperability WG / RFIs
- J54 Security Cooperation Coordination Office
- PAO Interface to Host Foreign DVs (AT&L 101 / SOFWERX / ICWERX)

# NUMEROUS ON-RAMPS



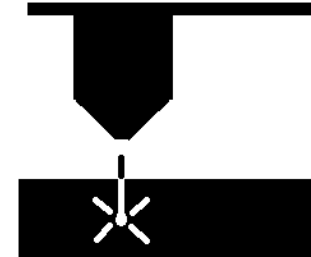
## TRADITIONAL ACQUISITION

- Beta.SAM.gov



## AGILE ACQUISITION

- SOFWERX
- Broad Agency Announcements
- Small Business Innovation Research (SBIR)
- Technical Experimentation

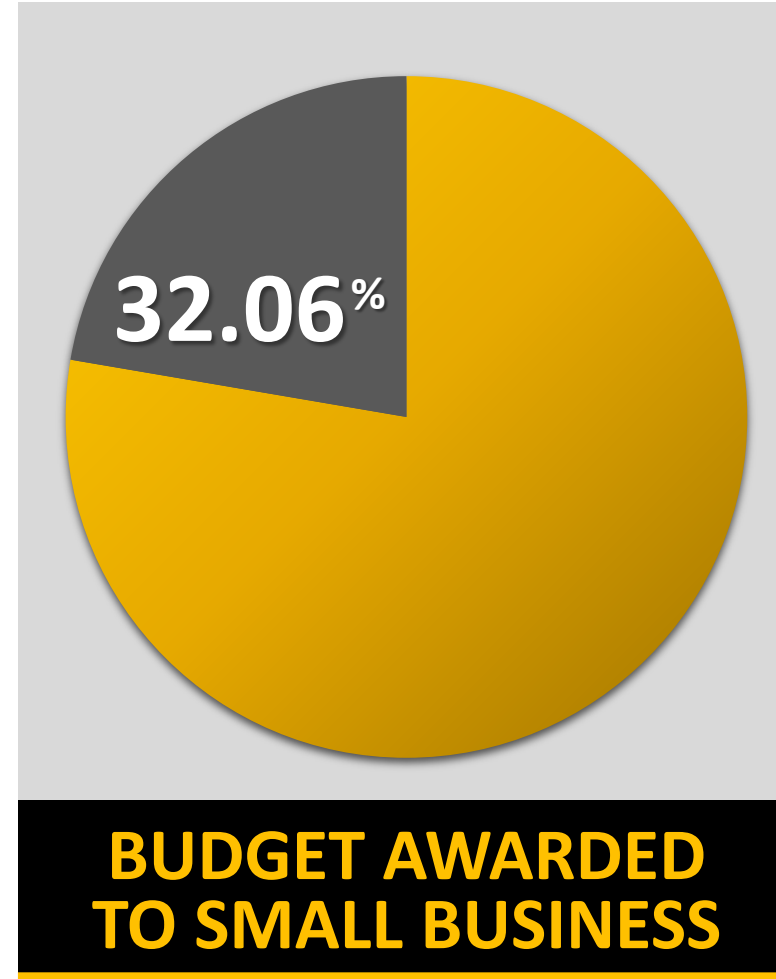
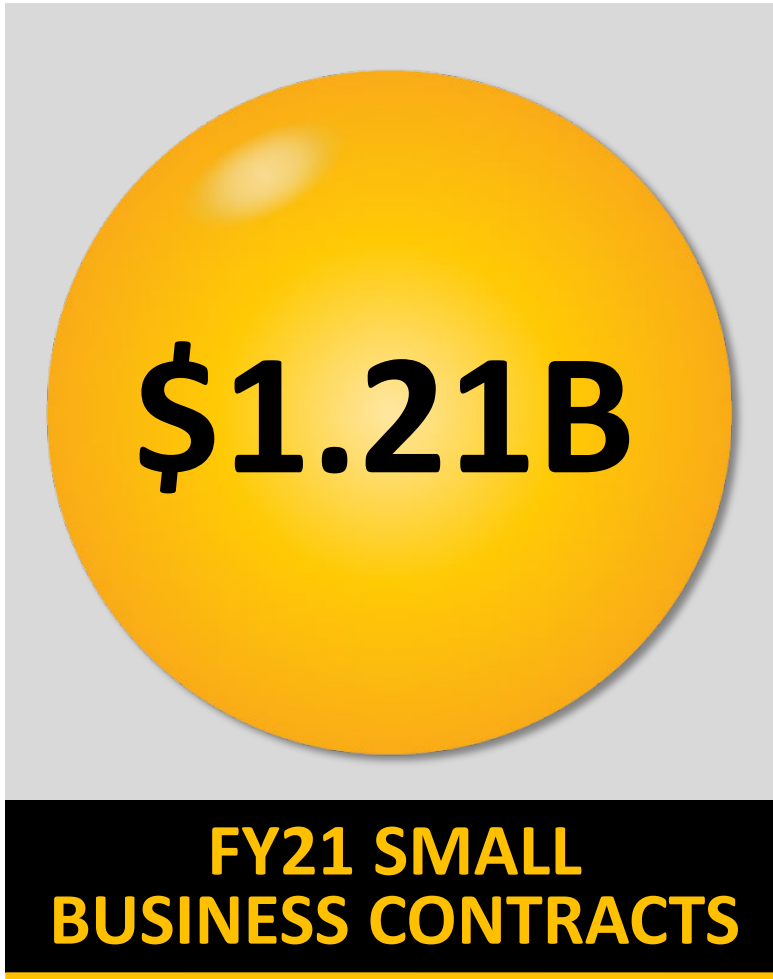


## TECH DISCOVERY

- (No Contract/Funding)
- Tech Experimentation
  - Central Data Repository
  - Engage SOF (eSOF)
  - Cooperative Research



# OPPORTUNITY



# SMALL BUSINESS OFFICE

- Important Point of Entry for Small Businesses
- Office is charged with ensuring Small Businesses are afforded the maximum practical opportunity to support the command
- Regularly meet with Small & Large Businesses
  - In-person or virtual meetings
  - AE SB Roundtable 6x a year virtually
  - E-mail or call any day
- What's important to us?
  - Capability, capability, capability
  - Proven track record of performance
  - Proper clearances
  - Tickets are secondary at best

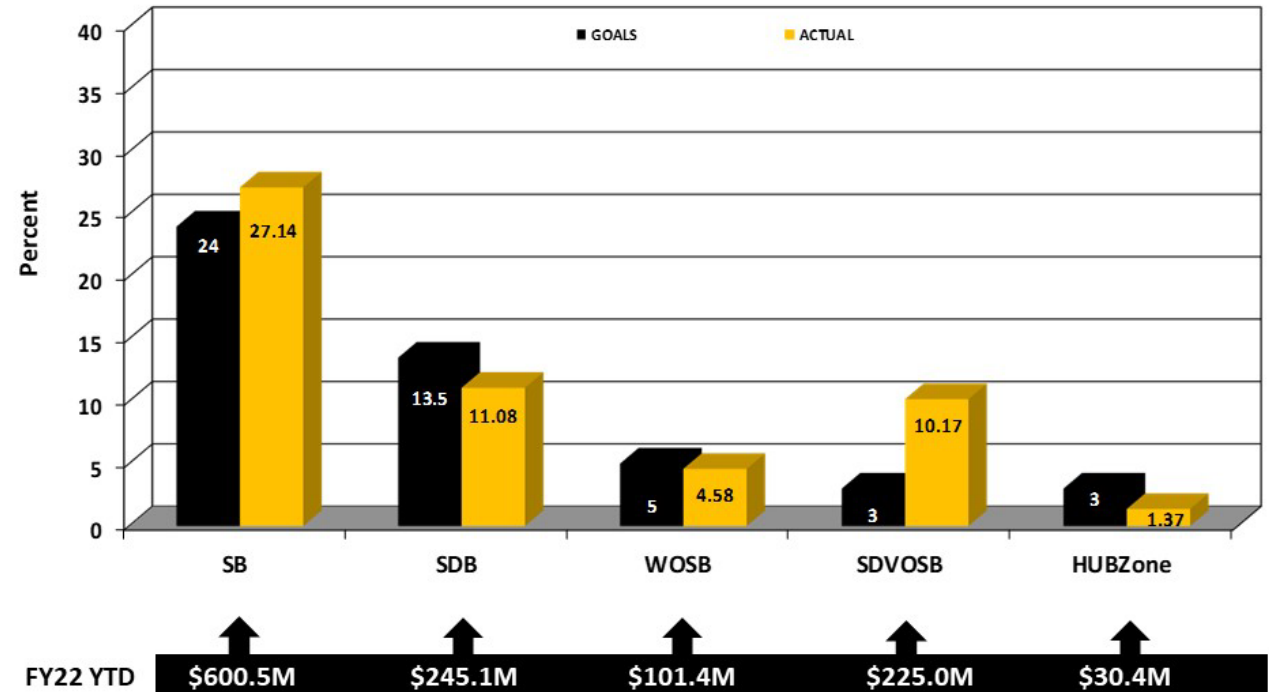


**Mr. Christopher Harrington**

Small Business Office Director | [Christopher.Harrington@socom.mil](mailto:Christopher.Harrington@socom.mil) | Cell: 813-843-4611

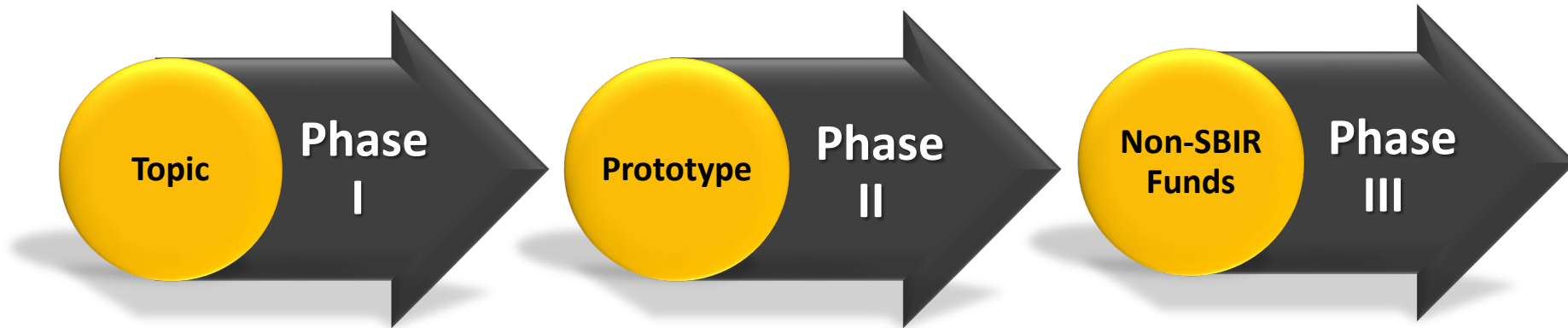
*For more information, visit the Office of Small Business Programs booth in the exhibition hall*

## SMALL BUSINESS ACHIEVEMENTS FY22 (as of 2 May 22)



# SMALL BUSINESS INNOVATION RESEARCH (SBIR)

## THREE-PHASED APPROACH DEVELOPING INNOVATIVE SOLUTIONS



- **Begins with SBIR Topic**
- **Feasibility Study**
- **Typically \$150K**
- **Typically 6 months or less**

- **Three Ways to Phase II**
  - Follow-on from Phase I
  - Sequential Phase II  
(Leverage another agency's Phase I and II)
  - Direct to Phase II
- **Proof of Concept**
- **Prototype Development**
- **Average \$1.2M**

- **Non-SBIR Funds**
- **Competition met with Phase I or Direct to Phase II award**
- **No funding or size limit**

# >50% OF USSOCOM PHASE IIs BEGAN AS NON-SOF EFFORTS



# SBIR SCHEDULE

Review Topics and propose at [www.dodsbirsttr.mil](http://www.dodsbirsttr.mil)

Current Broad Agency Announcement (BAA):

SBIR/STTR Number	Pre-Release	Open Date	Close Date	Number of Topics
SBIR 22.2	April 20, 2022	May 18, 2022	June 15, 2022	3
STTR 22.D	April 29, 2022	May 17, 2022	June 16, 2022	Open Topic

Upcoming BAA:

SBIR/STTR Number	Pre-Release	Open Date	Close Date
SBIR/STTR 22.3	August 24, 2022	Sept 21, 2022	Oct 19, 2022



**Mr. Mina Khalil**

Science & Technology Office | [sbir@socom.mil](mailto:sbir@socom.mil)

*For more information, visit the SBIR/STTR booth in the IGNITE exhibition hall*

# SBIR LINKS

- **USSOCOM SBIR Program:**  
<https://www.socom.mil/SOF-ATL/Pages/sbir.aspx>
- **DoD SBIR/STTR DSIP:** [www.dodsbirsttr.mil](http://www.dodsbirsttr.mil)
- **DoD SBIR program (managed by OSD)**  
<https://rt.cto.mil/rtl-small-business-resources/sbir-sttr/>
- **Federal SBIR Program (managed by SBA):**  
[www.sbir.gov](http://www.sbir.gov)



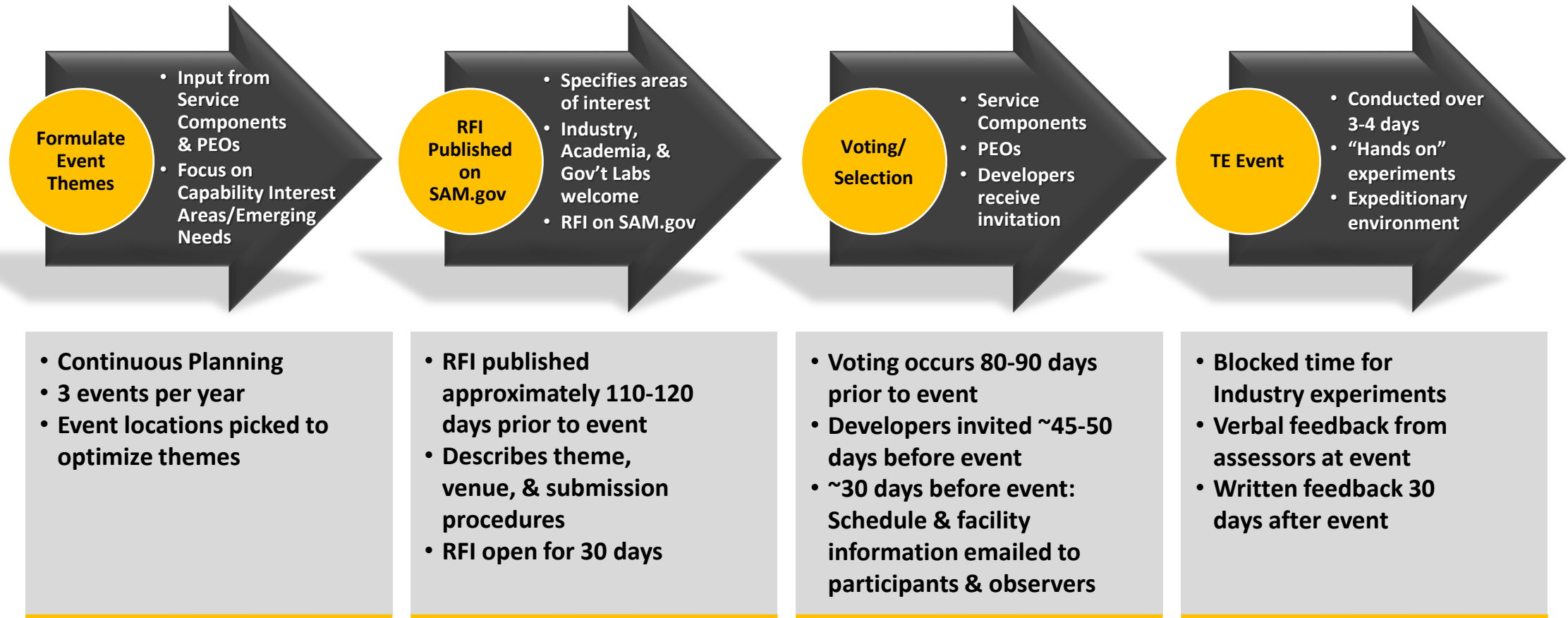
**Mr. Mina Khalil**

Science & Technology Office | [sbir@socom.mil](mailto:sbir@socom.mil) | (813) 826-7003

*For more information, visit the SBIR/STTR booth in the IGNITE exhibition hall*

# TECHNICAL EXPERIMENTATION (TE) PURPOSE/PROCESS

To help improve SOF warfighter capability & provide operational & programmatic insight to industry by bringing Technology Developers, Operational Users, & Program Offices together to assess developing technology.



# TE SCHEDULE

- **TE 22-3, 6-10 June 2022 at Red Springs, NC**
    - Experimentation Focus: Soldier Systems, Sense Through The Wall (STTW)
  - **TE 23-1, 12-16 December 2022 at Avon Park, FL**
    - Experimentation Focus: Next Generation Effects, Next Generation ISR/Tactically Relevant Situation Awareness
  - **TE 23-2, 20-24 March 2023 at Avon Park, FL**
    - Experimentation Focus: Special Reconnaissance, Surveillance & Exploitation
  - **TE 23-3, 5-9 June 2023 at Red Springs, NC**
    - Experimentation Focus: Soldier Systems (+)
- Public Link: <https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx>**



**MR. DAN BERNARD**

Science & Technology Office | [Tech\\_exp@socom.mil](mailto:Tech_exp@socom.mil)

*For more information, visit the Science & Technology Connections booth in the exhibition hall*

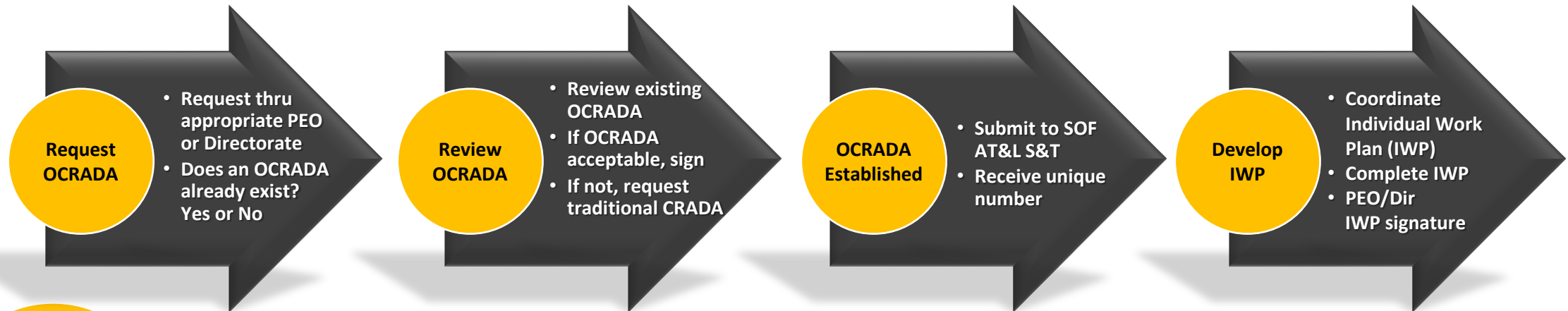


# OCRADA PURPOSE

## Overarching Cooperative Research & Development Agreement (OCRADA)

Advance research & capability development to meet USSOCOM mission requirements & supports viability in other potential commercial applications

### OCRADA Process



MR. VINCE SEIFERD | Science & Technology Office | [discovery@socom.mil](mailto:discovery@socom.mil)

# USSOCOM/SOFWERX

USSOCOM's Partnership Intermediary Agreement (PIA) operates as SOFWERX under 15 USC 3715

## CAPABILITIES

- SOF Focused Ecosystem
- Collider/Disrupter Events
- Ideation Sessions & Collaboration
- Prize Challenges, Prototyping, Experimentation, Combat Evals
- Fast & Flexible Agent
- Commercial Non-FAR Sub-Awards
- Off-Base Access
- Honest Broker



## VALUE

- Making New Tech & Capabilities Available
- Competitive Acquisition Process
- Pacing Commercial Tech Gains & Threats
- High Iterative Cycles, Low Cost
- Better Informed & Quality Decision Making
- Low Barriers to Entry for Industry
- Accelerate Entry Into Acquisition Cycles
- Building Relationships

Join the SOFWERX Ecosystem: [www.sofwerx.org](http://www.sofwerx.org)

# TECHNOLOGY & INDUSTRY LIAISON OFFICE (TILO) ENGAGE SOF (eSOF)

- Transitioned from Technology & Industry Liaison Office (TILO) to Engage SOF (eSOF) at beginning of FY21
- Matches your company's product/service/capability to the appropriate personnel within the command
- Schedule discussions or demonstrations if there is sufficient interest at the headquarters
- Public Link:
  - <https://www.socom.mil/SOF-ATL/Pages/eSOF-main.aspx>



eSOF OFFICE | [eSOF@socom.mil](mailto:eSOF@socom.mil) | (813) 826-9482

*For more information, visit the Science & Technology Connections booth in the exhibition hall*

# YOUR CHALLENGE

The background of the slide is a photograph showing the silhouettes of two soldiers in a desert environment. One soldier is standing on the left, facing right, while another is kneeling or sitting in the foreground, also facing right. The sun is low on the horizon, creating a bright orange and yellow glow that silhouettes the soldiers and the distant mountains. The sky is a mix of blue and orange, with some light clouds.

## *Maintain Speed While Protecting Our Advantage*

- Cybersecurity
- Program Protection Implementation Plans
- Supply Chain Management

# TRANSPARENT WORK WITH US



[@SOAExec](http://www.socom.mil/SOF-ATL)



[Linkedin.com/in/ussocom-ae](https://www.linkedin.com/in/ussocom-ae)

## Small Business Help

Christopher Harrington  
Christopher.Harrington@socom.mil  
813.826.9475

## Submitting Ideas

Shelvin Watts  
eSOF@socom.mil  
<https://www.socom.mil/SOF-ATL/Pages/eSOF-main.aspx>  
813.826.9482

## VULCAN

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

## SOFWERX

<https://www.sofwerx.org>

## Technical Experimentation

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

**Business Opportunities Team**  
"First stop shop for all SOF AT&L business questions regardless of company business size"

**Industry Engagement Process**

Small Business, Large Business, Vendors → Business Opportunity Team → TLO, Technical Experimentation, SOFWERX

email: [CSAP@socom.mil](mailto:CSAP@socom.mil)

**SOFAAT&L**  
Special Operations Forces Acquisition, Technology & Logistics

**TECHNICAL EXPERIMENTATION**

FAQs / Event Process | Local Information

Submit a Nomination | Register to Attend

USSSOCOM conducts Technical Experimentation (TE) events throughout the United States with Government representation.

- TE provides a unique opportunity for technology developers to interact with the SOF community in a collaborative environment.
- TE identifies potential Technology Readiness Level (TRL) of 3 or greater technology solutions, impacts, & technical objectives and thrust areas.
- TE is NOT a marketing event or trade show, so send your engineers.
- To view the most current Request for Information (RFI), go to [SOAeSOF](#).
- For more detailed information on the event and the processes, please review the [FAQs / Event Process](#).

**TECHNICAL EXPERIMENTATION EVENTS**

EVENT NAME	TE FOCUS
22-2	Next Generation ISR/Tactically Relevant SA
22-3	Counter Air Systems (+)

**SOFAAT&L**  
Special Operations Forces Acquisition, Technology & Logistics

**Quick Links**

- Get to Know Us
- Events Calendar
- Defense Industrial Base
- Cybersecurity

[SUBMIT YOUR IDEA](#)

[EXPERIMENT WITH US](#)

Tweets by SOAExec

**VULCAN**

Email

Password \*

Remember me

Log In

Forgot Password?

**SOFAAT&L**  
Special Operations Forces Acquisition, Technology & Logistics

**Engage SOF (eSOF)**

Process | Before You Submit | Submit Your Idea Form Instructions | Submit Your Idea | FAQ

Capability Areas of Interest

What is Engage SOF (eSOF)?

The United States Special Operations Command (USSOCOM) Engage SOF (eSOF) enables the Command with conducting market research in accordance with FAR Part 101.01 to arrive at the most suitable approach to acquiring, distributing and supporting SOF-peculiar supplies and services: the chemical, physical, and behavioral information on capabilities at the various Special Operations Forces Acquisition, Technology, and Logistics (SOFAAT&L) Program Executive Offices (PEO) Directorates and others responsible for the R&D, acquisition, production, and sustainment of USSOCOM material and technology platforms to support our Special Operations Forces at the headquarters to SOF duty to match your company's production/procurement capability to the requirements within the command and similar discussions or demonstrations if there is sufficient interest at the headquarters.

Through this 10 responsibilities, USSOCOM is mandated to develop, acquire, field and sustain technology, equipment, materiel, supplies and services required for which there is no other DoD source of supply, and to ensure that the application to standard forms and services used by other DoD agencies are not used for SOF activities.

SOFAAT&L is not...

- A way to "sell" your product.
- A way to "pitch" your product.

**LINKS**

- Conducting New Business
- Virtual Industry Engagement Slides
- Virtual Industry Engagement Q&A

SOFWERX  
Capability Areas of Interest  
Hard Problems  
Request

**SOFWERX**

JOIN THE MISSION

SOFWERX is a platform that helps solve challenging Warfighter problems at scale through collaboration, ideation, events, and rapid prototyping.

**Jim Smith** 1st  
Official LinkedIn account for the Acquisition Executive at Special Operations Forces Acquisition, Technology & Logistics  
Tampa, Florida, United States · [Contact info](#)  
500+ connections

USSSOCOM  
Stanford University

**Mr. James H. Smith**  
@SOAExec  
Official Twitter account for the Acquisition Executive at Special Operations Forces Acquisition, Technology & Logistics. RTs, mentions & follows ≠ endorsement.  
Tampa, FL · [socom.mil/SOF-ATL/](https://www.socom.mil/SOF-ATL/) · Joined February 2018

Videos will be available at <https://www.socom.mil/SOF-ATL/Pages/sofic.aspx> after the event

# QUESTIONS

