SOF AT&L
Special Operations Forces Acquisition, Technology, & Logistics

Colonel John M. Vannoy
Military Deputy to the USSOCOM Acquisition Executive
MISSION
Provide rapid and focused acquisition, technology, and logistics to Special Operations Forces

VISION
Be the recognized expert and trusted provider to equip and sustain Special Operations Forces

PRINCIPLES
Deliver capability to user expeditiously; exploit proven techniques and methods; keep Warfighters involved throughout process; take risk and manage it!
Wide Array of Programs

GROUND
118 Programs / Projects

AIR
109 Programs / Projects

MARITIME
24 Programs / Projects

C4I
142 Programs / Projects

SRSE
66 Programs / Projects

Sniper Weapons & Accessories

GMV1.1

DVEPS

DDS / SDV

MH-47

CV-22

CCM Mk 1

LRBS

AbMN

 Intelligence Collection Systems

Special Operations Tactical Video System (TVS)

Identity Operations

SWCS

Hand Held Link-16

RFCM

MCTF

AC130J

RF

Prometheus Block 2

FCDW

Milesone B

Milesone C
SOF AT&L Funding (MFP-11)

18 President’s Budget

Does not include non MFP-11 in support of SOF
Competition Comparison (FY11-FY17)

<table>
<thead>
<tr>
<th>Year</th>
<th>Available</th>
<th>Competed</th>
<th>Goal</th>
<th>Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY11</td>
<td>$2,643M</td>
<td>$1,745M</td>
<td>61%</td>
<td>66.1%</td>
</tr>
<tr>
<td>FY12</td>
<td>2,699M</td>
<td>1,974M</td>
<td>67%</td>
<td>73.1%</td>
</tr>
<tr>
<td>FY13</td>
<td>2,527M</td>
<td>1,908M</td>
<td>75.3%</td>
<td>75.2%</td>
</tr>
<tr>
<td>FY14</td>
<td>2,447M</td>
<td>1,832M</td>
<td>76.5%</td>
<td>74.9%</td>
</tr>
<tr>
<td>FY15</td>
<td>2,914M</td>
<td>2,225M</td>
<td>76.4%</td>
<td>76.4%</td>
</tr>
<tr>
<td>FY16</td>
<td>3,241M</td>
<td>2,280M</td>
<td>75%</td>
<td>70.4%</td>
</tr>
<tr>
<td>FY17</td>
<td>3,311M</td>
<td>2,327M</td>
<td>72%</td>
<td>70.3%</td>
</tr>
</tbody>
</table>

Reporting Through 30 September 2017
Small Business Achievements FY17

- **SB**: GOALS (26%) and ACTUAL (30.66%) for FY16: $979.1M, FY17: $1.0B
- **SDB**: GOALS (5%), ACTUAL (8.6%) for FY16: $261.0M, FY17: $284.5M
- **WOSB**: GOALS (2%), ACTUAL (5.37%) for FY16: $196.1M, FY17: $177.6M
- **SDVOSB**: GOALS (3%), ACTUAL (13.07%) for FY16: $400.0M, FY17: $432.2M
- **HUBZone**: GOALS (1%), ACTUAL (2.03%) for FY16: $67.4M, FY17: $67.1M

Reporting Through 30 Sep 17
<table>
<thead>
<tr>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>44.4M</td>
<td>Rounds of ammunition</td>
</tr>
<tr>
<td>38,099</td>
<td>Weapons, accessories, lasers, &amp; visual augmentation systems</td>
</tr>
<tr>
<td>197</td>
<td>Electronic counter measure systems</td>
</tr>
<tr>
<td>146,689</td>
<td>Operator survival/equipment items</td>
</tr>
<tr>
<td>2,032</td>
<td>Radios, SATCOM terminals, &amp; ancillary equipment</td>
</tr>
<tr>
<td>36,306</td>
<td>Information Technology automation devices &amp; systems</td>
</tr>
<tr>
<td>1,310</td>
<td>SOCRATES Systems</td>
</tr>
<tr>
<td>5,586</td>
<td>Operator &amp; Medic kits</td>
</tr>
<tr>
<td>4,683</td>
<td>ISR kits</td>
</tr>
<tr>
<td>554</td>
<td>Vehicles</td>
</tr>
<tr>
<td>960</td>
<td>TACLAN FoS equipment deliveries</td>
</tr>
<tr>
<td>10</td>
<td>New Installation Gateways; 6 CERP's completed</td>
</tr>
<tr>
<td>4</td>
<td>Installation processing nodes</td>
</tr>
<tr>
<td>34</td>
<td>CASEVAC kits</td>
</tr>
<tr>
<td>281</td>
<td>Rotary Wing aircraft &amp; systems</td>
</tr>
<tr>
<td>3</td>
<td>Tactical MISO systems</td>
</tr>
<tr>
<td>28</td>
<td>Fixed Wing aircraft</td>
</tr>
<tr>
<td>13</td>
<td>Mobile Technology and Repair Centers deployed</td>
</tr>
<tr>
<td>30</td>
<td>Maritime Surface Crafts</td>
</tr>
<tr>
<td>1</td>
<td>Undersea Manned Submersible Prototypes</td>
</tr>
</tbody>
</table>
SOF to Service Transition

**Light Tactical All-Terrain Vehicle – MRZR-D:**
- USMC - 144
- USA – 33 to 82\textsuperscript{nd} Airborne Div, Global Response Force for Combat Evaluation

**Mine Resistant Ambush Protected – All Terrain Vehicles (M-ATV):**
- 158 M-ATV transitioned to Leghorn Army Depot (LAD) APS-2

**Ground Mobility Vehicle 1.1:**
- Directed Requirement US Army
- 612 Vehicles: 295 Army; 317 USASOC

**DAGOR:**
- 82\textsuperscript{nd} ABN DIV purchased 70 DAGORs using a DLA IDIQ Contract Tactical Assault Kit (TAK):
  - PM SOMPE fielding Theater SOF (USASOC) Nett Warrior (NW) that includes ATAK software
  - 82\textsuperscript{nd} Airborne Division elements forward in IZ are a test bed for fielding ATAK-only kits to conventional forces; requested through ONS
  - PEO Soldier currently in discussions to select ATAK as primary fielded software for all NW builds starting in 2020

**MODI:**
- USMC procured 40 MODI I & 583 MODI II follow-ons

**SPEAR (SOF Personal Equipment Advanced Requirement):**
- MICH helmet to Army Combat Helmet
- Protective Combat Uniform to Army ECWCS
- AOR1/2 camouflage patterns to Navy
- Low Vis Armor to Army

**Maritime High Mobility Artillery Rocket System (HIMARS):**
- Leveraged USA PoR to develop organic maritime precision strike capability
- Request for Forces (RFF) with USMC provides hardware and personnel for fielding and deployment
- USN continues efforts to demonstrate capability on Navy platforms to facilitate potential transition
Supporting Partnered Operations

- Section 1207 and 1208 CONOPS
  - 20 active CONOPS in CENTCOM, AFRICOM, EUCOM and PACOM AORs
  - $30M for Materiel Fielding Requirements Annually
- Section 1209 Supporting CENTCOM / SOCCENT Syrian Train & Equip
  - Requirements for FY15 $367M; FY16 $215M, FY17 $289, FY18 $516M

All photos and illustrations are UNCLASSIFIED
Full Spectrum Logistics

- Distribution
- Warehousing
- Bare Basing
- Maintenance
International Operations

INTERNATIONAL COOPERATION AGREEMENTS

CAPABILITY DEVELOPMENT
- Collective Knowledge of Partnering Nations’ Technology Base
- Equitable share of Cost Burden

5 Bilateral SOF Capability Development Agreements
1 Multilateral SOF Capability Development Agreement (FVEY)
3 S&T Liaisons to SOF AT&L
5 Combating Terrorism Research & Development (CTRD) Agreements

Example: Collaborative Development of Diesel LTATVs

DIRECT COMMERCIAL & FOREIGN MILITARY SALES

V-22
GMV1.1
Tactical Comms & Networks
Maritime Mobility
ISR Platforms
Night Vision Goggles
Laser Markers & Sights
Air Drop Solutions

COALITION WARFARE PROGRAM (CWP)
Since 2010 – 5 Projects ($13.5M)
3 Complete
2 Projects Ongoing
3 Transitioned / Fielded

FOREIGN COMPARATIVE TESTING (FCT)
Since 1996 – 80 Projects ($102M)
74 Complete
5 Ongoing (1 Tech Assessment)
52 Transitioned / Fielded ($525M Proc)
Enabled by Tools

**Project Vulcan**
Turn Everyone into a Sensor

*Needs*

Technology  
Capital

**SOFWERX**
Create Venues for “Return on Collisions”

**S&T Council**
Voice of the SOF Stakeholder

**Technical Experimentation**

**SOFIC**
Industry Engagement

**TILO 2.0**

**PEO CRADAs**
Over 200 active agreements
ThunderDrone: A Collaborative USSOCOM/OSD Strategic Capabilities Office Initiative

A Living Drone Test Bed:
- Drone Think-tank & Marketplace
- Drone Experimentation - Proof of Theory/Concept
- Rapid Prototyping and Testing

Three parallel lines of effort, using the SOFWERX Model
1. Building & controlling swarms (3, 33, 333)
2. Building and/or identifying the right drones/insects
3. Synergistic and Kinetic Applications

https://www.facebook.com/ussocom/videos/15343473333307688/
Engagement Opportunities

- S&T Industry Engagement Event - January 2017  (Exact Date TBD)
- 2018 S&T BAA – 20 Apr – 5 Jun
- Small Business Roundtable with AE 13 Dec @ SOFWERXs
- Small Business Innovation Research (SBIR)  www.ussocomsbir.com
- National 8(a) conference in Nashville 30 Jan - 1 Feb

- SOFWERX - Rapid Agile Prototyping Series (RAPS) / Prize Challenges / Other Engagement Events  www.sofwerx.org

- Project Vulcan
  - Web-based technology scout platform that enables anyone to quickly describe technology and upload supporting documentation to a secure, shared, searchable, central database
  - www.vulcan-sof.com/home/request

- Technical Experimentation (TE) TE 18-2, 26-30 March 2018 at Camp Atterbury-Muscatatuck Center for Complex Operations, IN.
  - Experimentation Focus: Long Range Facial Recognition and Chemical Attribution, Neuro-Cognitive Enhancement, and Optics
- TE 18-3, 17-21 July 2018 at (Tentative) Fort A.P. Hill, VA
  - Experimentation Focus: C4, Cyber, ISR, Mobility, and Small Unmanned Aerial Systems (SUAS)
- TE Public Link:  http://www.socom.mil/sordac/Pages/ExpWithUS.aspx
Program Executive Office Rotary Wing (RW)

**MOBILITY**
- A/MH-6 Light Attack/Assault
- Medium Assault MH-60
- Heavy Assault MH-47
- Airframe Recapitalization

**MISSION EQUIPMENT**
- Active Aircraft Survivability Equipment
- Passive Aircraft Survivability Equipment
- Avionics
- Sensors
- Silent Knight Radar
- Common Hardware and Software

**TRAINING SYSTEMS**
- A/MH-6M Little Bird
- MH-47G CMS
- MH-60M CMS
- Battle Staff Training Exercise Management Control
- Stimulated vs Simulated
If you want something NEW, You have to stop doing something OLD.

- PETER DRUCKER