Evolving the Network to Counter Emerging Threats

Mr. James “Hondo” Geurts
Acquisition Executive
THANK YOU
New this SOFIC

Mini Urban Robotics Challenge National Championship

SOFIC Workshops
- USSOCOM Marketplace
- Procurement Workshops
- USSOCOM/SOF AT&L 101
- CRADA Crash Course
- Project Vulcan
- SOF Capabilities for Partner Nations

Mil-OSS SOFIC Hackathon

Small Business Executive Forum

SOFIC Solution Showcase
**EXPONENTIAL Environment**

**LOCATIONS**
More countries, more diverse operating locations, challenging logistics & communications infrastructure

**MISSIONS**
Dynamic; rapidly changing; encompassing the full range of direct, indirect, training, & preparation

**PARTNERS**
Varying degrees of integrations & reach; interacting in ops, cooperative development, & foreign comparative test

**C2 DEMANDS**
Requires seamless, integrated, & effective C2 at the global scale with high confidence

**MARKET-PLACE**
Global & commercially driven; heavy use of COTS/GOTS increases complexity
**MISSION**
Provide rapid & focused acquisition, technology, & logistics to Special Operations Forces

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

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

DoD Labs, Industry, Academia, & International Partners

• SOF-to-Service Transition
• Innovative Acquisition Practices

Service/International Acquisition

• Combat Feedback
• Unconventional Uses

USSOCOM Acquisition
Thriving Competitive Landscape

Competition Trends

Service Disabled Veteran Owned Small Business
FY15 Contract Awards

- FY15 Goal FY15 Achieved FY15 Dollars
- Small Business (SB) 25% 33.13% $906M
- SB – Disabled Veteran 3% 10.79% $294.9M
- SB – Disadvantaged 5% 10.53% $287.6M
- SB – Women Owned 2% 4.66% $124.5M
- SB – HUBZone 1% 2.3% $62.8M

360% OF GOAL
$294.92M

FY09 FY10 FY11 FY12 FY13 FY14 FY15
FY15 Acquisition

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>98M</td>
<td>Rounds of ammunition</td>
</tr>
<tr>
<td>42,334</td>
<td>Weapons, accessories, lasers, &amp; visual augmentation systems</td>
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<tr>
<td>235,116</td>
<td>Operator survival/equipment items</td>
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<tr>
<td>4,909</td>
<td>Radios, SATCOM terminals, &amp; ancillary equipment</td>
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<tr>
<td>28,914</td>
<td>Information Technology automation devices &amp; systems</td>
</tr>
<tr>
<td>7,538</td>
<td>Operator &amp; Medic kits</td>
</tr>
<tr>
<td>2,179</td>
<td>ISR kits</td>
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<tr>
<td>1,014</td>
<td>Vehicles</td>
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<tr>
<td>2,775</td>
<td>TACLAN FoS equipment deliveries</td>
</tr>
<tr>
<td>13</td>
<td>SCAMPI node, USSOCOM Strategic Entry Point, media ports</td>
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<tr>
<td>260</td>
<td>CASEVAC kits</td>
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<tr>
<td>85</td>
<td>Rotary Wing aircraft &amp; systems</td>
</tr>
<tr>
<td>16</td>
<td>Tactical MISO systems</td>
</tr>
<tr>
<td>31</td>
<td>Fixed Wing aircraft</td>
</tr>
<tr>
<td>9</td>
<td>Mobile Technology &amp; Repair Centers deployed</td>
</tr>
<tr>
<td>9</td>
<td>Maritime Surface Crafts</td>
</tr>
<tr>
<td>3</td>
<td>Undersea Manned Submersible Prototypes</td>
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</table>
“If the rate of change on the outside exceeds the rate of change on the inside, the end is near.”

Jack Welch
Wide Array of Programs

GROUND
118 Programs / Projects

AIR
109 Programs / Projects

MARITIME
24 Programs / Projects

C4I
142 Programs / Projects

SRSE
59 Programs / Projects

Sniper Weapons & Accessories

Genedrive Bio Identifier

MAAWS

GMV1.1

AC130J

DVEPS

MH-47

CV-22

DDS / SDV

CCM Mk 1

LRBS

SWCS

Hand Held Link-16

DCS

MCTF

RFCM

Intelligence Collection Systems

Special Operations Tactical Video System (TVS)

Prometheus Block 2

Identity Operations

UNCLASSIFIED
Service Support Efforts

**KNOWLEDGE-BASED SERVICES**
- Global Battlestaff & Program Support
  - 2010-2015
- USSOCOM Wide Mission Support
  - 2015-2020

**INFORMATION TECHNOLOGY (IT) SERVICES**
- Special Operations Forces Information Technology Enterprise Contracts I
  - 2011-2017
- Special Operations Forces Information Technology Enterprise Contracts II (via Alliant Contract)
  - 2017-2021

**SPECIAL OPERATIONS FORCES GLOBAL LOGISTICS SUPPORT SERVICES**
- Special Operations Forces Support Activity
  - 2010-2018
- Special Operations Forces Global Logistics Support Services
  - 2018-2028

**OTHER NOTABLE ACTIVITIES**
- Manned ISR Services
- Unmanned ISR Services
- Preservation of the Force & Family - Care Coalition
- USSOCOM Enterprise Wide Training
- Language, Regional Expertise, & Cultural Training
- JSOU
- Various CLS Efforts
SOF AT&L Funding (MFP-11)

17 President’s Budget

Does not include non MFP-11 in support of SOF
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
2 R&D Liaisons to SOF AT&L as of May 2016 / 3 Onboard ~July 2016
5 Combating Terrorism Research & Development (CTRD) Agreements

DIRECT COMMERCIAL & FOREIGN MILITARY SALES

V-22
GMV1.1
Maritime Mobility

ISR Platforms
Tactical Comms & Networks
Laser Markers & Sights

Night Vision Goggles
CH-47 & UH-60 SOF Mods
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)
SOF Sustainment Enterprise

Core Functions / Capabilities

Product Support Management:
• Log Support to PMs
• Develop & Exercise PSM Construct
• Measuring & Reporting

Supply Chain Management:
• SOF-ICP
• Std Requisitioning Procedures
• Provisioning, Cataloging
• Enterprise Processes / Materiel Mgt

Property Management:
• Enterprise Property Accountability
• Enterprise Asset Management & Visibility
• Financial Improvement & Audit Readiness (FIAR)

Readiness Reporting:
• Authorizations Management
• Maintenance Management
• Status Reporting

Value Proposition

Increase Effectiveness
Increase Efficiency
Enterprise Visibility
Better Decisions
Enterprise Integration

Who We Serve

Components
Warfighters – operating footprints throughout the world

Key Partners

DoD
Joint Staff
Services
DLA
Vendors / Suppliers

GAPS = potential opportunities!
Shaping the Future

Understand Gaps

Technology Gaps
Component & TSOC Gaps
PEO Gaps
Threat-Related Gaps

Understand Technology

Scouting
Roadmaps
Red Team

Internal Projects
External Projects
Studies

PEOs
Military Services
Enablers, COI, OGA, DoD

Develop Solutions

Deliver
Game Changing Technology

Maximize Leverage
(DoD, Industry, Academia, Partner Nations)

Execute Planned Transitions

Involve Warfighters
Increase Speed
Manage Risk

DISCOVER
ENABLE
TRANSITION

V I S I O N
**SOF S&T Needs**

- Comprehensive Signature Management (CSM)*
- Human Performance*
- First Pass Accuracy & 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 & Technology Integrated Priority List (STIPL)
Breaking Down Barriers

- **PEO INDUSTRY DAYS + S&T LAB DAYS**: 93+
- **TALOS**: 30 RAPID PROTOTYPING SESSIONS, 215 Different Organizations
- **INDUSTRY VISITS**: 127 With AE in FY15
- **NON-FAR CONTRACTS (OTAs)**: 5
- **TECHNICAL EXPERIMENTATION**: 170 Experiments
- **SOFWERX**: Ybor City Location opened Dec 2015
- **SBIRs**: 56 PROJECTS
- **CRADAs**: 144 SIGNED
- **COMPETITION FEEDBACK**: 13 Sessions
- **TILO**: 603 Submissions
- **CAPABILITY COLLABORATION EVENTS**: Monthly: Started April 2016
- **207 Events**
- **946 Attendees**
Cooperative Research & Development Agreements (CRADAs)
Small Business Innovation Research

Average DoD Commercialization Funding (Phase II SBIR Projects: Funding from DoD Sales & Investments) [in thousands of dollars]

- $0
- $200
- $400
- $600
- $800
- $1,000
- $1,200
- $1,400
- $1,600
- $1,800

- $689
- $1,680

Military Free Fall Tactical Guidance System

2.4 Meter Lightweight Inflatable SATCOM Antenna

Advanced Micro Weather Sensor

Parachute Rehearsal System

Tactical Biometric Registration & Recognition

Antenna Enhancements for SOF Applications

FORAX-LS

USSOCOM
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 Components/TSOCs

Technical Experimentation

SOFIC
Industry Engagement

TILO 2.0
Link What Components Need to Execution

PEO Technology Insertion Roadmaps
Innovation Thrives in a Marketplace

**Network Engagement**

**Mini Robotics**

**WORKFORCE DEVELOPMENT**

**Rapid Prototyping**

**CO-INVENTION**

**THUNDERDOME EVENTS**

**EDUCATION WITH AT&L**

**GROWING THE NEXT GENERATION**
TALOS Base Layer Integration Vignette

Problem Set:

[Diagram showing connections between logos and text: CMU, APL, SOFWERX, RINI, applied minds, and images of people working on clothing.]
The Power of the Network

Strategy: Enable the Global SOF Network with distributed use of networked advanced design & manufacturing tools

Objective: Empowered units & individuals solving problems & implementing solutions at the point of need
THANK YOU