Special Operations Forces Industry Conference

COL Jim Smith
Program Executive Officer
SOF Warrior Systems

Portfolio Review and APBI

SOF Warrior
Agenda

- Mission
- Organization
- Who We Are
- What We Do
- PEO Challenges
- Competitive Opportunities
- Technology Challenges
- Questions
Acquisition Principles

- Deliver capability to the user expeditiously
- Exploit proven techniques and methods
- Keep Warfighters involved throughout the process
- Take risk and manage it!

ACCELERATE THE FORCE
PEO-SW

Mission

Provide *rapid* and *focused* acquisition of *SOF-unique* capabilities to USSOCOM operators conducting decisive ground SOF activities and global operations against terrorist networks.
PEO-SW
Who We Are

Mobility
- Light Tactical All Terrain Vehicles
- Individual All Terrain Vehicles
- Non-Standard Commercial Vehicles
- Ground Mobility Vehicle
- MRAP-ATV

Survivability
- Combat Uniform & Helmets
- Body Armor / Load Carriage System
- Counter RC-IED Electronic Warfare
- Integrated Comms

Lethality
- Combat Assault Rifle
- Multi-Purpose Anti-Armor Anti-Personnel Weapon System
- Handheld Laser Marker
- DEMOLITION KIT
- MK13 Sniper Rifle w/ INOD
- SOF Laser Acquisition Marker

Casualty Evacuation
- Combat Medic Kit
- AN/PVS-15 Night Vision Goggle
- AC-130 Ammo
- Demolition Kit

UNCLASSIFIED
Mobility: Family of Special Operations Vehicles

- **SOF Unique**
  - Individual and Lightweight Vehicles
    - Single Seat 4x4 All Terrain Vehicles
    - Side-by-Side 4x4 All Terrain Vehicles
  - Medium Weight Vehicles
    - Specialized Reconnaissance Assault Transport System
    - GMV1.1: Internally Transported Vehicle development
  - Non-Standard Commercial Vehicles

- **SOF Mods to Service Common**
  - Ground Mobility Vehicle (HMMWV)
  - MRAP Family (RG-31, RG-33, AUV, MATV)
Survivability: Survival Support & Equipment Systems

- Helmets and Mounts
- Ballistic Armor:
  - Body Armor
  - Soft Armor
  - Load Carriers
- Combat Uniforms
- Eye protection and Headsets
- Medical:
  - Operator and Medic Kits
  - Casualty Evacuation Kits

- Body Armor & Vests
- Helmets, Mounts & Comms
- Load Carriage
- Eye Protection
- Operator Kit
- Backpacks
- Medic Kit
- Protective Clothing
Lethality: Target Engagement Systems

- Visual Augmentation Systems
  - Handheld: Thermal Imagers, Laser Markers

- Weapons and Accessories
  - Combat Assault Rifles
  - Machine Guns
  - Sniper Rifles
  - Laser Pointers, Illuminators, and Suppressors

- Ammunition, Demolitions and Breaching
  - Small Caliber Ammunition
  - Shoulder Fired Systems
  - Aviation Ammunition
  - Demolition kit

UNCLASSIFIED
PEO-SW

What We Do (1 Year Snapshot)

- Number of Contracts/Orders: 500+; Percent Competitive: ~44%
  - Handheld Laser Marker ($75M, IDIQ, 3 Years)
  - Long Range Ground Mobility Visual Augmentation System ($40M, IDIQ, 1 Year)
  - Maritime Assault Suit System ($5M, IDIQ, 5 Years)
  - Tactical Combat Casualty Care – Casualty Evacuation Set ($49M, IDIQ, 5 Years)
  - Systems Technical Support for FSOV ($25M, IDIQ, 5 Years)
  - Non-Standard Commercial Vehicles ($41M, IDIQ, 1 Year)

- Funds Executed:
  - RDT&E $79M
  - PROC $615M
  - O&M $362M

- Equipment Fielded (Approximate/Year):
  - SOF Combat Weapons 3,500+
  - SOF Weapons Accessories 28,000+
  - Visual Augmentation Devices 8,000+
  - SOF Vehicles 450+
  - Survival Support Equipment Systems 83,000+
Convergence of SOF Unique

The Right Balance for the Mission
- Service Common
- SOF Mods to Service Common
- SOF Unique

Environment
- High Altitude to Under Sea
- Low Vis / Covert
- Precision / Low Collateral Damage
- Scalable/Modular

Capability Requirements
- Organic Dependency
- Specialized Training
- Self Sufficient Small Units
- Diplomatic
- Development
- Defense

Mission
**PEO Challenges**

**Current Profile**
- RDTE
- PROC
- O&M

**Desired Profile**
- RDTE
- PROC
- O&M

**Risk Mitigation Focus Areas**
- National-to-Theater Transitions
- SOF-unique to Service-Common
- Control Sustainment Costs
## Opportunities: Next 12-18 Months

### Survivability (SSES)
- Ballistic Plate
- Body Armor Vest
- Soft Armor
- Modular Supplemental Armor Protection (Extremity Protection)
- Eye Protection (Spectacles and Goggles)
- Protective Combat Uniform
- Backpack Suite
- Load Carriage Systems (various)
- MICH Communications Headset (Land Comms)
- Maritime Communications
- Visual Augmentation System (VAS) Mounts for Night Vision Goggles

### Lethality (TES)
- Binocular Night Vision Devices
- Improved Night Observation Device (Sniper Sights)
- Spot-Recognition Device
- Precision Sniper Rifle (MK13 Replacement)
- Foreign Nonstandard Materiel
- Enhanced Carbine Optical System (long range)
- Enhanced Carbine Optical System (close range)

### Mobility (FSOV)
- All Terrain Vehicles
- Ground Mobility Vehicles
- Non-Standard Commercial Vehicles
Technology Challenges

Integrated Systems
• Reduced Size Weight and Power (SWaP)
• Integrated NVG & Weapon Sights, Communications, Power Supply
• Load: Body Armor, Radio Antennae
• Power: Rechargeable, Renewable, Lightweight, Long Endurance, System Level Power Management
• Vehicle: C4ISR, CROWS, NAV, FBCB2

Signature Reduction/Management
• Soldier: Low Visibility (I2, IR) in Battlespace, Concealable Armor and Individual Equipment Kit, Improved Survivability through Far-Forward Medical Care
• Weapons: Flash and Bang, Alternative to Near-IR Laser Pointers for Night Aiming
• Vehicles: Low Visibility Kits for Discrete Operations
Technology Challenges (cont)

Survivability
- Soldier: Light, Flexible, Increased Area of Coverage, Multi-spectral Laser Protection for Combat Eyewear, Concealable, Improved Personal Signature Management
- Vehicle: Transparent, Lightweight, Increased Visibility/SA, Survivable Tires

Improved Situational Awareness
- Beyond I2 Tubes
- Regain “the Night” and Covert Operations

Wireless Technology
- Secure and Hardened
- Helmet and Weapon Sight Integration
- Tactical Video & Comms
- Multi-channel; Interoperable (Vehicle and Dismounted)
Questions