

# Special Operations Forces Industry Conference



**COL Jim Smith**

**Program Executive Office SOF Warrior Systems**



**SOF Warrior**

# Agenda

- Mission
- Organization
- Who We Are
- What We Do
- PEO Challenges
- Competitive Opportunities
- Technology Challenges
- TILO Points of Contact
- Questions



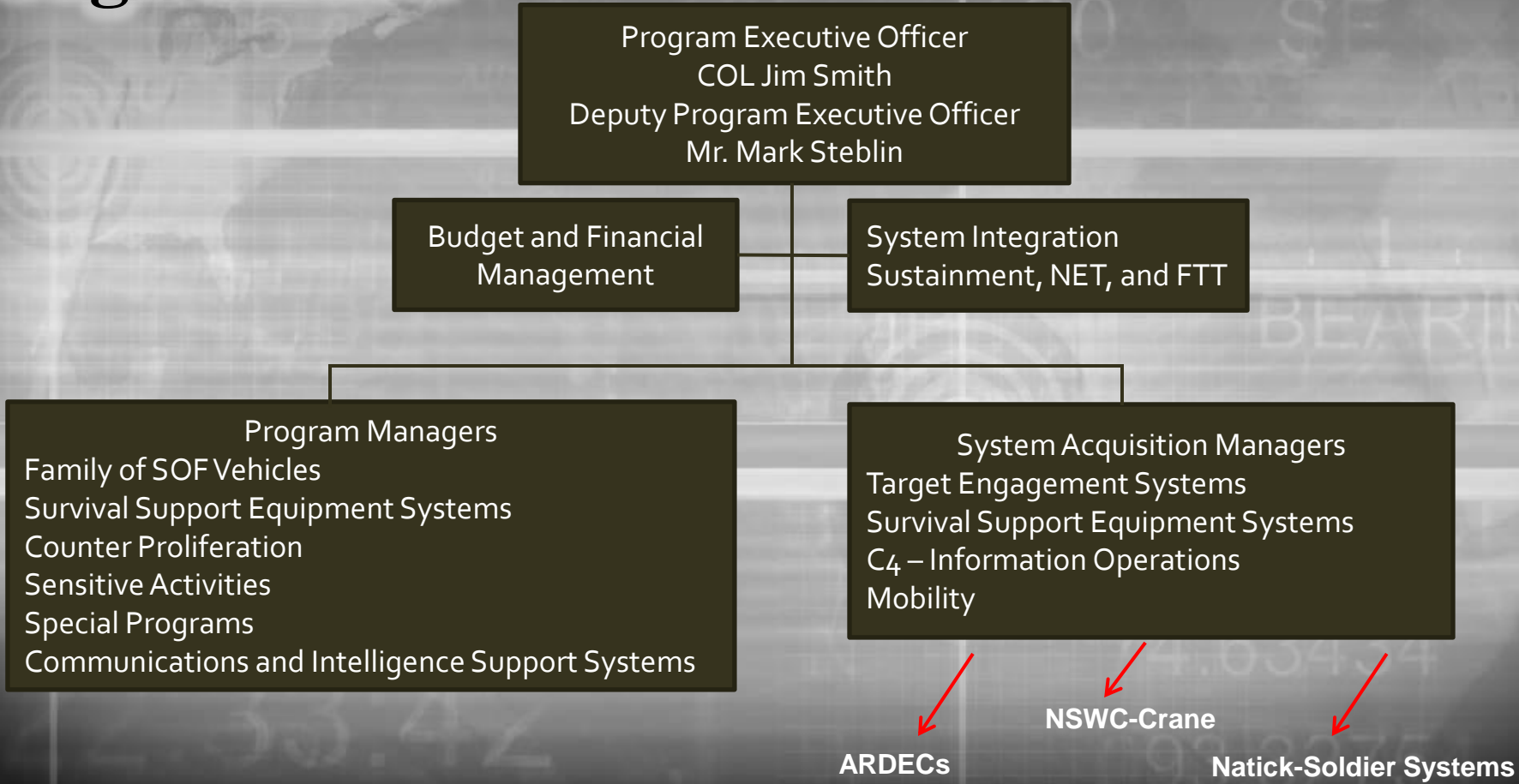
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# Mission

Equip Special Operations Forces for Decisive  
Engagement While Conducting Ground  
SOF Activities  
and  
Counter Terrorism and Counter WMD  
Proliferation Missions



# Organization



# Who We Are



Advanced Lightweight  
Grenade Launcher



MK13 Sniper Rifle w/ INOD



AN/PVS-15 Night Vision  
Goggle



MK48 Lightweight SOF Machinegun



EGON Jammer



RG-31 Medium Mine  
Protected Vehicle



SOF Demolition Kit



Modular Integrated  
Communications  
Helmet

Multi-Purpose Anti-Armor  
Anti-Personnel Weapon  
System



Handheld  
Laser Marker



Ground Mobility Vehicle



SOF Laser  
Acquisition Marker



Combat Casualty Care Kit



SOF Combat Assault Rifle



Body Armor/  
Load Carriage System



# SOF Warrior



# Mobility



- **SOF Unique**
  - Single seat 4x4 All Terrain Vehicles procurement and fielding
  - Side-by-Side 4x4 All Terrain Vehicles procurement and fielding
  - Non-Standard Commercial Vehicle procurement and fielding
  - Specialized Reconnaissance Assault Transport System fielding
  - Internally Transported Vehicle development
- **SOF Modifications to Service Common**
  - Ground Mobility Vehicle
  - MRAP Family (RG-31, RG-33, AUV, and MATV)



# Target Engagement



- **Visual Augmentation Systems**
  - Head Borne: PVS-15A, Clip-On Thermal Imager, Digital Fusion Goggles, Panoramic Night Vision Goggle
  - Weapon Mounted: Clip-On Night Vision Devices, Direct Optic Magnified Sights, Red Dot Aiming Sights, Sniper Sights
  - Handheld: Thermal Imagers, Laser Acquisition Markers
  - Vehicle Mounted: Driver, Short-Range, and Long-Range Mobility Systems
- **Weapons and Accessories**
  - Combat Assault Rifles
  - Machine Guns
  - Sniper Rifles
  - Laser Pointers, Illuminators, and Suppressors



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# Survival



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





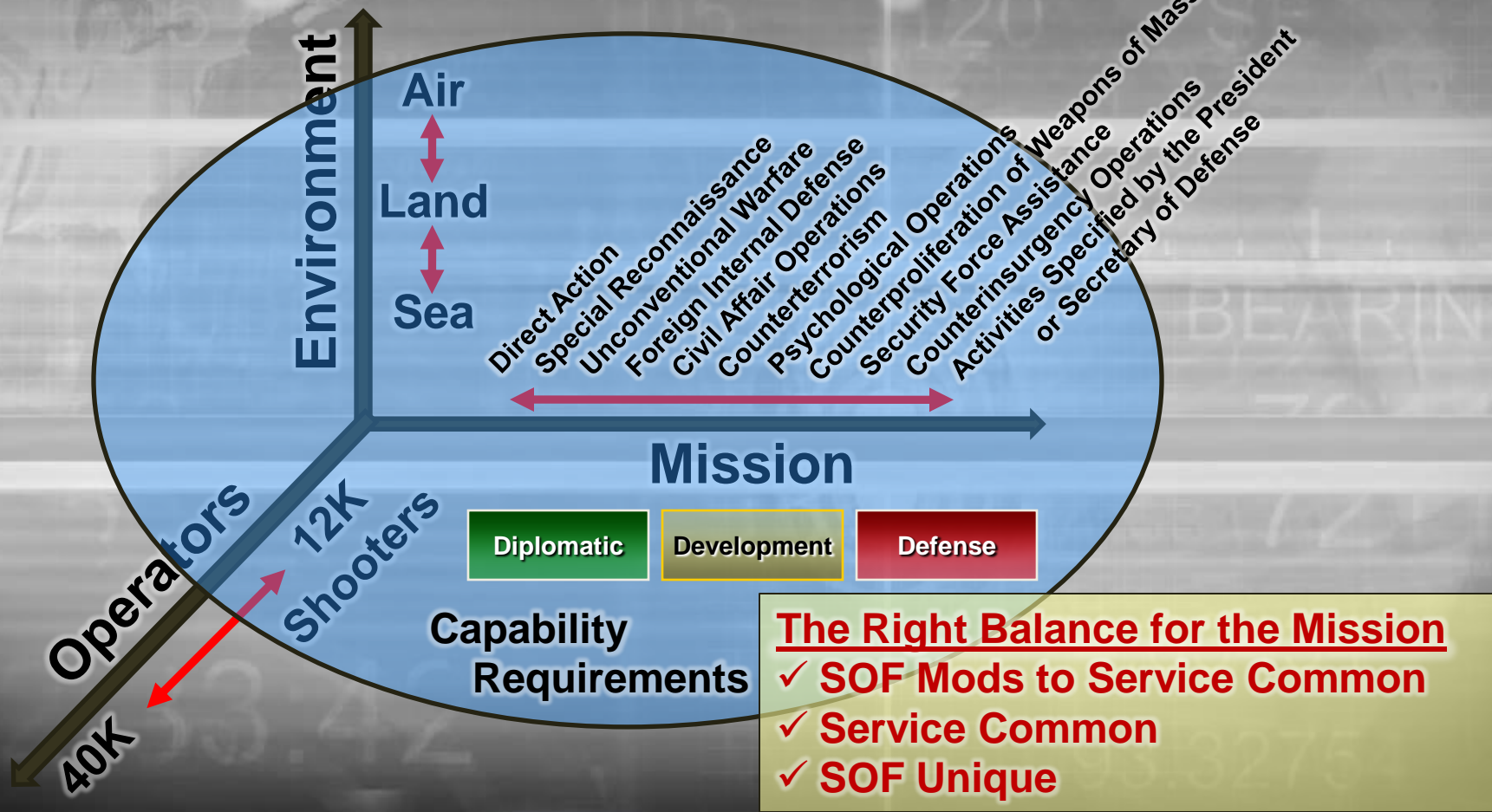
# What We Do (June 2009 – May 2010)

- Number of Contracts/Orders 509; Percent Competitive 44%
  - Clip-On Thermal Imager (COTI) (\$32M, IDIQ, 5 Years)
  - Mine Resistant Ambush Protected – All Terrain Vehicle (MATV) (\$136M, Production, 2 Years)
  - I<sup>2</sup> Tubes (\$30M, IDIQ, 3 Years)
- Funds Executed:
  - RDT&E \$99M
  - PROC \$561M
  - O&M \$358M
- Equipment Fielded
  - SOF Combat Weapons 3,704
  - SOF Weapons Accessories 28,880
  - Visual Augmentation Devices 8,309
  - SOF Vehicles 451
  - Survival Support Equipment Systems 83,108



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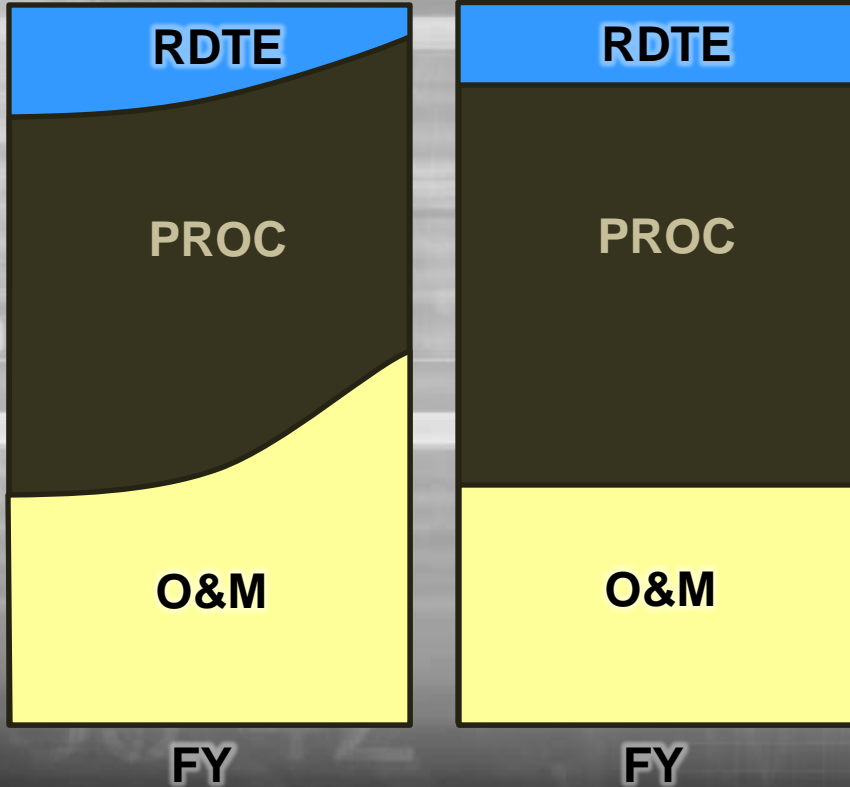
# Convergence of SOF Unique



# PEO Challenges

Current Profile

Desired Profile



## Risk Mitigation Focus Areas

← National-to-Theater  
Transitions

← SOF-unique to Service-  
Common

← Control Sustainment Costs



# Opportunities Next 12-18 Months



**NON-STANDARD MATERIAL:** SOF operators must be proficient with a wide variety of weapons. To support this requirement USSOCOM purchases small quantities (10-100) of weapons and ammunition which is not within the U.S. inventory. Weapons may include AK-47, RPG-7, 28mm Mortars, MP-5, and associated ammunitions. In some cases the Government may accept delivery overseas.

## Acquisition Strategy

Blanket Purchase Agreement  
Vendor bids due normally within 30 days

## Period of Performance

Five Years

## Milestones

RFP Release August 2010  
Awards per Task Orders

## Point of Contact

PEO SW

## Funding

Current average: 1.5M annually

## Current Contract/OEM

22 separate vendors



# Opportunities Next 12-18 Months



**IMPROVED FLASH-BANG GRENADE:** USSOCOM is looking for a MK13 replacement. Characteristics sought include Loudness, Flash (as measured in intensity, duration, and size of the fire ball), Reduced Smoke, Hand-Safe (even if device was to explode in the users hand), and Non-Lethal.

## Acquisition Strategy

Full and Open Competition to acquire replacement item for the current MK13

## Period of Performance

TBD

## Milestones

RFP Release August 2010  
Contract Award March 2011

## Point of Contact

PEO SW

## Funding

TBD, annual inventory use and objective is estimate at 15,000

## Current Contract/OEM

NSWC-Crane



# Opportunities Next 12-18 Months

**ENHANCED CARBINE OPTICAL SYSTEM:** USSOCOM is seeking a replacement for the SU-230 and SU-230A articulated telescopes. A variable powered sight compatible with existing clip-on MDNS systems is required.

## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release 2<sup>nd</sup> Qtr FY11  
Award 1<sup>st</sup> Qtr FY12

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

ELCAN



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# Opportunities Next 12-18 Months

**ENHANCED CARBINE OPTICAL SYSTEM FOR CLOSE QUARTER COMBAT:** USSOCOM is seeking a replacement for the SU-231 reflex sight. An open field of view, quick target acquisition sight compatible with existing night vision capabilities is required.

## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release 2<sup>nd</sup> Qtr FY11  
Award 1<sup>st</sup> Qtr FY12

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

EOTECH



# Opportunities Next 12-18 Months

**BACKPACK:** Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release 4thQtrFY11  
Award May/June 2012

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

Mystery Ranch  
S.O. Tech





# Opportunities Next 12-18 Months

## EYE PROTECTION (SPECTACLES AND GOGGLES):

Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



### Acquisition Strategy

Full and Open Competition  
IDIQ

### Period of Performance

5 Years

### Milestones

RFP Release Nov 2010  
Award May 2011

### Point of Contact

PEO SW

### Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

### Current Contract/OEM

Oakley



# Opportunities Next 12-18 Months

**SOFT ARMOR: Follow-on 5 year IDIQ contract with estimated \$350M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.**



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Oct 2010  
Award Jun 2011

## Point of Contact

PEO SW

## Funding

Estimated \$350M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

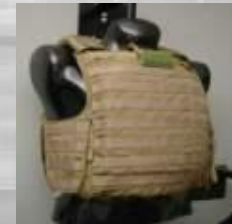
BAE  
Safari-Land



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# Opportunities Next 12-18 Months

**MODULAR SUPPLEMENTAL ARMOR PROTECTION (EXTREMITY PROTECTION):** Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Nov 2011  
Award Sep 2012

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

Ceradyne



# Opportunities Next 12-18 Months

**LOAD CARRIAGE SYSTEMS (VARIOUS):** Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Oct 2011  
Award Jun 2012

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

ADS Corp  
Eagle



# Opportunities Next 12-18 Months

## VISUAL AUGMENTATION SYSTEM (VAS) MOUNTS:

Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



### Acquisition Strategy

Full and Open Competition  
IDIQ

### Period of Performance

5 Years

### Milestones

RFP Release Nov 2012  
Award May 2013

### Point of Contact

PEO SW

### Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

### Current Contract/OEM

Norotos  
Wilcox



# Opportunities Next 12-18 Months

**BALLISTIC PLATE:** Follow-on 5 year IDIQ contract with estimated \$350M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Nov 2011  
Award Sep 2012

## Point of Contact

PEO SW

## Funding

Estimated \$350M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

Ceradyne



# Opportunities Next 12-18 Months

**ARMOR VEST: Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements**



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Oct 2011  
Award Jun 2012

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

BAE  
Safari-Land  
Eagle



# Opportunities Next 12-18 Months

**MARITIME COMMUNICATIONS: Follow-on 5 year IDIQ contract with estimated \$50M ceiling. Annual procurements vary and are based on USSOCOM Component requirements.**



## Acquisition Strategy

Full and Open Competition  
IDIQ

## Period of Performance

5 Years

## Milestones

RFP Release Jul 2012  
Award Feb 2013

## Point of Contact

PEO SW

## Funding

Estimated \$50M ceiling  
Annual procurements based on Component requirements

## Current Contract/OEM

Television Equipment Associates





# 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

- Soldier: Low Visibility (I2, IR) in Battlespace , Concealable Armor
- Weapons: Flash and Bang, Alternative to Near-IR Laser Pointers for Night Aiming
- Vehicles: Low Visibility kits for Discrete Operations

## Improved Situational Awareness

- Beyond I2 Tubes
- Regain "the Night" and Covert Operations



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# Technology Challenges (cont)

## Wireless Technology

- Secure and Hardened
- Helmet and Weapon Sight Integration
- Tactical Video & Comms

## Virtual Training and Rehearsal

- System Training and Force on Force Rehearsal
- Desktop, Laptop, and Handheld Interface

## Survivability

- Soldier: Light, Flexible, Increased Coverage, Laser Protection for Combat Eyewear
- Vehicle: Transparent, Lightweight, Increased Visibility/SA, Survivable Tires



# Questions



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