Special Operations Forces Industry Conference

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Program Manager
Lethality Systems


SOF WARRIOR
Lethality Systems Mission

Develop, procure and sustain Weapon, Visual Augmentation, and Fire Support capabilities for specific missions when Service solutions do not meet SOF requirements.

SOF Unique Attributes/Focus:

- VAS: REGAIN THE NIGHT from Sophisticated Threats
- Weapons: Improve suppressors (flash, sound & glint) for REDUCED SIGNATURE to obtain/maintain LOW VISIBILITY
- Fire Support Systems: REDUCE the weight of Pointers, Markers, Target Location Devices. Develop more PRECISE and ACCURATE munitions systems
- Ammunition: COVERTNESS through Flash-less powder, subsonic munitions; accurate across all temperatures
Lethality Systems Portfolio

- Visual Augmentation Systems
  - **Helmet Mounted**: PVS-15A, Clip-On Thermal Imager, Digital Fusion Goggles, Panoramic Goggles
  - **Weapon Mounted**: Clip-On Night Vision Devices, Direct Optic Magnified Sights, Red Dot Aiming Devices
  - **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
Opportunities: Next 12-18 Months

• **Visual Augmentation Systems**
  – Binocular Night Vision Device
  – Improved Night Observation Device
  – Crew-Served Weapons Fire Control
  – Enhanced Carbine Optical System – Optimized

• **Fire Support Systems**
  – Handheld Laser Marker Block II (HLM II)
  – Thermal Collimated Aiming Device (TCAD)
  – Small Target Location Device (STLD)

• **Weapons & Accessories**
  – Lightweight Ammunition
  – Extended Life Barrel
  – Small Arms Signature Reduction (SASR)

• **Ammunition**
  – Foreign Non-standard Materiel
Advanced Fusion Binocular System

- Contract for development and procurement of Advanced Fusion Binocular System
- True Binocular System with image fusion available in both channels
- Reduced system size and forward projection desired
- Ability to store and view maps, waypoints, and other data desired

**Acquisition Strategy**
- Full and Open Competition
- IDIQ Contract

**Point of Contact**
- PM Target Engagement Systems

**Period of Performance**
- 5 Years

**Funding**
- $50M

**Milestones**
- RFP Release: 3Q FY13

**Current Contract/OEM**
- N/A
Improved Night Observation Devices

- Contract for development and procurement of Improved Night Vision Sniper Scope that is better than the current AN/PVS-26
- Reduced weight (<4.0 lbs)
- Compatible with all sniper weapons and scopes
- Threshold engagement range of 800M, objective of 2000M, in all lighting conditions
- Will allow operator to observe environmental conditions at a minimum of 500M, objective 1000M, in all lighting conditions

Acquisition Strategy
- Full and Open Competition
- IDIQ Contract

Period of Performance
- 5 Years

Funding
- $50M

Milestones
- RFP Release: 2Q FY12
- Contract Award: 3Q FY12

Current Contract/OEM
- N/A
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<th>Acquisition Strategy</th>
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<td>5 Years</td>
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Enhanced Carbine Optical System – Optimized

- Contract for procurement of an Optimized Sight/Scope system for Carbine/Combat Assault Rifles
- Variable power Scope w/magnification of 3-6x to ≥15x and system length ≤ 12.5 inches
- CQB Red Dot Sight w/magnification of 1x and Optical Centerline Offset ≤ 2.0 inches when mounted atop Scope
- Compatible with MK 17 Combat Assault Rifle and M4 Carbine

**Acquisition Strategy**
- Full and Open Competition
- IDIQ Contract

**Period of Performance**
- 5 Years

**Funding**
- $50M

**Milestones**
- RFP Release: 3Q FY12
- Contract Award: 2Q FY13

**Current Contract/OEM**
- N/A

**Point of Contact**
- PM Target Engagement Systems
Opportunities: Next 12-18 Months

- Visual Augmentation Systems
  - Binocular Night Vision Device
  - Improved Night Observation Device
  - Crew-Served Weapons Fire Control
  - Enhanced Carbine Optical System – Optimized

- Fire Support Systems
  - Handheld Laser Marker Block II (HLM II)
  - Thermal Collimated Aiming Device (TCAD)
  - Small Target Location Device (STLD)

- Weapons & Accessories
  - Lightweight Ammunition
  - Extended Life Barrel
  - Small Arms Signature Reduction (SASR)

- Ammunition
  - Foreign Non-standard Materiel
Handheld Laser Marker Block II

- Procure 2nd generation Handheld Laser Marker (HLM II) which potentially incorporates compass heading, IR pointer and rangefinder
- HLM is a lightweight, coded 1064nm laser marker that allows for target handoff
- Annual procurements vary based on USSOCOM Component requirements

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Thermal Collimated Aiming Device (TCAD)

- Procure weapon mounted thermal pointer which is compatible with uncooled thermal sights currently in inventory
- Would provide a covert laser pointing capability for use on small and potentially medium caliber weapons
- Annual procurements vary based on USSOCOM Component requirements

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### Small Target Location Device (STLD)

- **Procure Small Target Location Device** to allow fire support operators to quickly determine location of target of interest.
- **Further enhances fire support operator capability** in the absence of available support platforms.
- **Annual procurements vary** based on USSOCOM Component requirements.

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**Point of Contact**

- PM Target Engagement Systems

**Current Contract/OEM**

- **N/A**
Opportunities: Next 12-18 Months

• Visual Augmentation Systems
  – Binocular Night Vision Device
  – Improved Night Observation Device
  – Crew-Served Weapons Fire Control
  – Enhanced Carbine Optical System – Optimized

• Fire Support Systems
  – Handheld Laser Marker Block II (HLM II)
  – Thermal Collimated Aiming Device (TCAD)
  – Small Target Location Device (STLD)

• Weapons & Accessories
  – Lightweight Ammunition
  – Extended Life Barrel
  – Small Arms Signature Reduction (SASR)

• Ammunition
  – Foreign Non-standard Materiel
**Extended Life Barrel**

- Using the FY12 Defense Acquisition Challenge Program, Contract for an Extended Life Barrel or processes/materials that can be applied to existing barrels
- Significant Barrel Life Increase, Reduced Weapon Heat/Signature/Accuracy Degradation and Maintenance
- Project will start by looking at the MK13 Medium Sniper Rifle (Caliber 300 Winchester Magnum) Barrel

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Lightweight Ammunition

- Using the FY12 Defense Acquisition Challenge Program, Contract for Lightweight Ammunition in 5.56mm, 7.62mm, Cal 50, 300 WINMAG and 338
- Reduce weight by 20-30%, Increased Barrel Life, Accuracy and overall Round to Round Consistency
- Will depend upon FY12 DAC Proposal approval in June 2012

**Acquisition Strategy**
- Full and Open Competition
- IDIQ Contract

**Point of Contact**
- PM Target Engagement Systems

**Period of Performance**
- 5 Years

**Funding**
- Initial IDIQ Contract - $9.9M

**Milestones**
- RFP Release: 1Q FY13 - assumes FY12 DAC Proposal Approval in June 2012

**Current Contract/OEM**
- N/A
Small Arms Signature Reduction (SASR)

- Contract for the development of the Next Generation of Suppression Technology
- Initial development effort will begin with SOF Machine Guns (MK48, 7.62mm)
- Significant reductions in Flash, Sound, and Thermal Signature with increases in Durability, Reliability and Maintainability
- If successful, will initiate efforts for other SOF Weapons

### Acquisition Strategy
- Phase Development Approach w/ Down Selects at end of each Phase
- Full and Open Competition
- IDIQ Contract w/Production

### Period of Performance
- 5 Years

### Funding
- R&D Funds: $2.3M
- Once in production, will fall into existing FMBS Budget Line

### Milestones
- RFP Release: 3Q FY12
- Offers Due: 3Q FY12

### Current Contract/OEM
- N/A

### Point of Contact
- PM Target Engagement Systems
Questions?