

Special Operations Forces



Industry Conference

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Lethality Systems**

**Ground Combatant Systems – Lethality,
Visual Augmentation, Weapons, Fire Support**

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



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Lethality Systems Portfolio



AN/PVS-15 Night Vision Goggle w/ Clip-on Thermal Imager

- **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



Handheld Laser Marker



SOF Laser Acquisition Marker

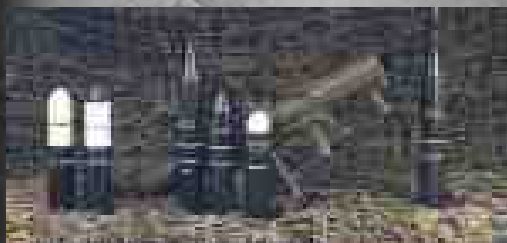


MK13 Sniper Rifle w/ INOD

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



Combat Assault Rifle



Multi-Purpose Anti-Armor Anti-Personnel Weapon System

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



AC-130 ammo



Advanced Lightweight Grenade Launcher



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

Period of Performance

5 Years

Milestones

RFP Release : 3Q FY13

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

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

Milestones

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

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

Current Contract/OEM

N/A



Crew Served Weapons Fire Control System

- Contract for procurement of a Crew Served Fire Control System with Disturbed Reticle
- Two configurations: Modular (Gov specified LRF and Thermal Sight) and Integrated
- Compatible with M2, MK44, MK47, and MK19 weapon systems

Acquisition Strategy

Full and Open Competition
IDIQ Contract

Period of Performance

5 Years

Milestones

RFP Release : 2Q FY12
Contract Award: 4Q FY12

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

Current Contract/OEM

N/A



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 $\geq 15x$ 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

Milestones

RFP Release : 3Q FY12
Contract Award: 2Q FY13

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

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



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



Acquisition Strategy

Full and Open Competition
IDIQ Contract

Period of Performance

5 Years

Milestones

RFP Release : 2Q FY12
Contract Award: 4Q FY12

Point of Contact

PM Target Engagement
Systems

Funding

\$45M

Current Contract/OEM

N/A



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

Acquisition Strategy

Full and Open Competition
IDIQ Contract

Period of Performance

5 Years

Milestones

RFP Release : 3Q FY13
Contract Award: 2Q FY14

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

Current Contract/OEM

N/A



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

Acquisition Strategy

Full and Open Competition
IDIQ Contract

Period of Performance

5 Years

Milestones

RFP Release : 2Q FY13
Contract Award: 1Q FY14

Point of Contact

PM Target Engagement
Systems

Funding

\$50M

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)
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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

Acquisition Strategy

Full and Open Competition
IDIQ Contract

Period of Performance

5 Years

Milestones

RFP Release : 1Q FY13 - assumes
FY12 DAC Proposal Approval
In June 2012

Point of Contact

PM Target Engagement
Systems

Funding

Initial IDIQ Contract - \$9.9M

Current Contract/OEM

N/A



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

Period of Performance

5 Years

Milestones

RFP Release : 1Q FY13 - assumes
FY12 DAC Proposal Approval
In June 2012

Point of Contact

PM Target Engagement
Systems

Funding

Initial IDIQ Contract - \$9.9M

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

Milestones

RFP Release : 3Q FY12
Offers Due: 3Q FY12

Point of Contact

PM Target Engagement Systems

Funding

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

Current Contract/OEM

N/A



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Questions?

