Ammo & Weapons Portfolio

Visual Augmentation Systems
- Helmet Mounted
- Handheld
- Weapon Mounted

- Sniper Scope w/ Improved Night Observation Device (INOD)

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

- Lightweight Shoulder Launched Weapon
- AC-130 ammo
- Lead-free Training Ammo

Weapons and Accessories
- Combat Assault Rifles
- Machine Guns
- Sniper Rifles
- Suppressors

- MK13 MOD 7 Sniper Rifle

Non Standard
- Small Caliber Ammunition
- Non-Standard Arms

- Non-Standard Munitions
- Non-Standard Arms
- Non-Standard Arms
Visual Augmentation Systems Portfolio Overview

**HEAD MOUNTED**
- Nigh Vision Goggles & Clip-On Imagers
  - FY18: White Phosphor Goggle Fielding
  - FY19: Digital Development
  - FY20: Augmented Reality Development
  - FY21: AR Clip-on Fielding
  - FY22: Enhanced Thermal Clip-On Fielding

**HAND HELD**
- HHI-Mini Long Range
  - FY18: Long-Range Fielding
  - FY19: MAVERIC Development
  - FY20: Next Gen Long-Range

**WEAPON MOUNTED**
- Sights, Scopes & In-Line Optics
  - FY18: ASR Scope Development
  - FY19: Day Optic Development
  - FY20: In-Line Development
  - FY21: Crew Served Fire Control Development
  - FY22: Squad Variable Scope Fielding

**EMITTERS**
- Lasers & Illuminators
  - FY18: Aiming Laser Development
  - FY19: Beacon Development
  - FY20: Aiming Laser Development
  - FY21: Range Aiming Laser Fielding
  - FY22: Hand Gun Aiming Laser Fielding

**FIRES**
- Markers & Designators
  - FY18: Designator Development
  - FY19: Viewer Development
  - FY20: Next Gen Fielding

**FUTURE Capabilities**
- Adaptive Multi-Spectral Vision, Wide Field of View, Power Management
- Day/Night HUD (non-NVG reliant) with ability to import/export data or images (wireless)
Squad Aiming Laser

- Reduced size and weight replacement for the Miniature Day/Night Sight (MDNS)-Advanced Target Pointer, The Advanced Target Pointing Illuminator Aiming Laser (ATPIAL) for Compact Rifles (CRs) and Assault Rifles (Ars) for 0-600 meter engagements
- Precision targeting of enemy threats in the IR and visible laser mode as well as providing an IR illuminator capability

ACQUISITION STRATEGY
- Full and Open Competition
- IDIQ Contract

PERIOD OF PERFORMANCE
- 5 Years

MILESTONES
- RFP Release: 3rd QTR FY17
- Receive Proposals: 1st QTR FY18
- Source Selection: 2nd QTR FY18
- Contract Award: 4th QTR FY18

FUNDING
- $48M

CURRENT CONTRACT/OEM
- N00164-16-D-JQ88
- N00164-17-R-JQ27
  Crane, IN
VAS: Weapon Mounted

Enhanced Combat Optical Sight

- Procurement of Enhanced Combat Optical Sight - Carbine for the next generation SU-230/PVS and SU-261/PVS family of systems
- Improve on current performance parameters
  - Threshold engagement range of 500M, objective of 1000M
  - Large eye-box, low parallax, and integrated aim point (1x)
  - Reticle configurations for both 5.56mm and 7.62mm weapons
  - Weight comparable to existing platforms
  - Variable magnification from 1x to 6x and/or 1x to 8x.
    (based overall performance)
- Compatible with SOF assault weapons and light machine guns
- MK 17 Combat Assault Rifle shock hardened

ACQUISITION STRATEGY
- Full and Open Competition
- IDIQ Contract

PERIOD OF PERFORMANCE
- 5 Years

MILESTONES
- RFP Release: 4th QTR FY17
- Receive Proposals: 1st QTR FY18
- Source Selection: 2nd QTR FY18
- Contract Award: 4th QTR FY18

CURRENT CONTRACT/OEM
- N00164-10-D-JQ28

POINT OF CONTACT
- 813.826.9482 (TILO)

FUNDING
- $25.9M
### VAS: Weapon Mounted

**Handgun Reflex Sight (HRS) = MAS-D**

- Visible and infrared pointer and illuminator intended for day and night use
- Dual-band multi-spectrum, laser pointer and illuminator function to lessen enemy detectability of the NIR spectrum
- Micro data displays
- Handheld ballistic/environmental processors
- Target engagement systems

<table>
<thead>
<tr>
<th>ACQUISITION STRATEGY</th>
<th>PERIOD OF PERFORMANCE</th>
<th>MILESTONES</th>
<th>CURRENT CONTRACT/OEM</th>
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</thead>
</table>
| • Full and Open Competition  
  • IDIQ Contract | • 5 Years | • RFP Release: 3rd QTR FY17  
  • Receive Proposals: 4th QTR FY17  
  • Source Selection: 2nd QTR FY18  
  • Contract Award: 4th QTR FY18 | • N00164-17-R-JQ25 |

**POINT OF CONTACT**

- 813.826.9482 (TILO)

**FUNDING**

- $10M
VAS: Weapon Mounted

Squad-Variable Powered Scope = MAS-D, Miniature Aiming System - Day Optic (S-PVS)

- Smart Aiming Systems
- Maximize ability to acquire and rapidly engage threats with well aimed accurate fires throughout the range of engagements to the maximum capability of SOF small arms
- Early threat detection
- Reduced operator exposure
- Allow operator to engage quickly and accurately
- Intuitive reticle that facilitates rapid range estimation

ACQUISITION STRATEGY
- Full and Open Competition
- IDIQ Contract

PERIOD OF PERFORMANCE
- 5 Years

FUNDING
- $47.6M

MILESTONES
- RFP Release: 3rd QTR FY17
- Receive Proposals: 4th QTR FY17
- Source Selection: 4th QTR FY17
- Contract Award: 2nd QTR FY18

CURRENT CONTRACT/OEM
- N00164-17-R-JQ27

POINT OF CONTACT
- 813.826.9482 (TILO)
# Weapons and Accessories: Sniper Rifles

## Advanced Sniper Rifle

- Contract for procurement of Advanced Sniper Rifle
- Provides a multi-caliber solution to engage enemy targets out to 1500m
- System must be user configurable to rapidly change calibers.
- Optimized for anti-personnel at 1500m

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

### Period of Performance
- 5 Years

### Milestones
- RFP Release: 2nd QTR FY18
- Contract Award: 4th QTR FY18

### Point of Contact
- 813.826.9482 (TILO)

### Funding
- $49M

### Current Contract/OEM
- N/A
## Weapons and Accessories: Machineguns

### Long Range Medium Machinegun

- Contract for procurement of Long Range Medium Machinegun
- Provides a 2000m engagement capability
- System must be of comparable weight to the current M240B machinegun
- Optimized for ammunition in polymer
- System should include advanced barrel, suppressor, and thermal mitigation technology

### ACQUISITION STRATEGY

- Full and Open Competition
- IDIQ Contract

### PERIOD OF PERFORMANCE

- 5 Years

### MILESTONES

- RFP Release: 2nd QTR FY19
- Contract Award: 4th QTR FY19

### POINT OF CONTACT

- 813.826.9482 (TILIO)

### FUNDING

- $49M

### CURRENT CONTRACT/OEM

- N/A
Ammunition Portfolio Overview

**Small Caliber Ammo**
- MK44/MK48 Polymer 7.62mm Development
- 6.5mm Ammo Development
- Polymer .50 Cal Development

**Lightweight Ammo**
- DOTC Improved 30mm Development
- Improved 30mm Fielding
- Improved 105mm Development
- Improved 105mm Fielding

**30mm, 105mm**
- 30mm, 105mm
- Demo, Grenades
- Pandora Firing Device Evaluation
- Multibang Flashbang Grenade Fielding
- Scalable Offensive Hand Grenade Fielding

**Bullets**
- Lead-Free and Short Range Training Ammo Fielding
- 147gr 9mm Speer Gold Dot G2 Fielding
- Polymer Linked .338NM Development
- Polymer .50 Cal Ammo Fielding

**Demolition**
- Improved 105mm Fielding
- Improved 105mm Development

**Shoulder**
- Improved Shoulder Munitions Development
- Improved Shoulder Munitions Fielding

**MAAWS, LAW**
- Improved 30mm Fielding
- Improved 105mm Fielding
Ammo, Demolitions, Breaching: Small Caliber

**Lead-Free Training Ammunition**

- Contract for procurement of lead-free training ammunition
- Compatible with Shoot House requirements
- Short range training ammunition for 5.56mm to replace M862
  - Related efforts include Man Marker Round for 5.56mm (linked and unlinked), and alternative 9mm Simunition FX cartridge

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<td>Full and Open Competition</td>
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<td>IDIQ Contract</td>
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<td>813.826.9482 (TILO)</td>
<td>$20M</td>
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Lightweight Ammunition

- Contract for procurement of lightweight polymer ammunition
  - 50-caliber sniper round (unlinked)
  - 50-caliber non dud-producing training round
  - Intermediate caliber such as 260 Remington
  - 7.62mm NATO for use in the MK44 (mini-gun)
- Should reduce overall cartridge weight by over 30% compared to existing rounds

**ACQUISITION STRATEGY**
- Full and Open Competition
- IDIQ Contract

**PERIOD OF PERFORMANCE**
- 5 Years

**MILESTONES**
- RFP Release: 3rd QTR FY17
- Contract Award: 1st QTR FY18

**POINT OF CONTACT**
- 813.826.9482 (TILO)

**FUNDING**
- $20M

**CURRENT CONTRACT/OEM**
- N/A
Non-Standard Weapons Portfolio Overview

**Assault Rifles**
- AK47
- NSV

**Lightweight Machinegun**
- NSV

**Machineguns**
- NSV

**Shoulder Fired**
- RPG

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<tr>
<td>U.S. Domestically produced AK Fielding</td>
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<tr>
<td>U.S. Domestically produced PKM Fielding</td>
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<tr>
<td>U.S. Domestically produced NSV Fielding</td>
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<td>Seeking Domestic Production Capability</td>
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Non-Standard Small Arms Ammunition

Non-Standard Ammunition

- Contracts for procurement of nonstandard ammunition
  - 7.62x39
  - 7.62x54R
  - 12.7x108
  - 14.5x115
  - 23x152B
- One of the effects of these contracts will be to strengthen our domestic industrial base for nonstandard ammunition

### ACQUISITION STRATEGY
- Full and Open Competition
- IDIQ Contract

### PERIOD OF PERFORMANCE
- 5 Years

### MILESTONES
- RFP Release: Quarterly
- Contract Award: Quarterly

### POINT OF CONTACT
- 813.826.9482 (TILO)

### FUNDING
- $20M

### CURRENT CONTRACT/OEM
- N/A
Ammo and Weapon Business Opportunities

• Signature Reduction technologies for Targeting Laser (Out of Band and Virtual Laser)
• Domestic sources of production for non-standard ammo and weapons
• Lightweight Polymer Ammunition, Toxin Free
• Signature reduction for Small Arms- Sound, Flash
• Intermediate Caliber (.338NM)- Long Range Machine Gun 2000m to include new tripod and polymer ammunition,
• 6.5mm Sniper Support Rifle
• Multispectral laser spotting device (day/night) (SWIR/MWIR)
• Seamless transition to weapon sight while wearing NODs (Carbine)
• Night Vision technologies that offers a better infinity view (like daytime non-augmented vision)
• Extended wavelength (with MWIR capability)
• Wireless Data Sharing (ie. wind, range, shooting solution) -Ability to display imported data and images on HD Display
• Through Wall Sensing and Imaging
• Universal Wireless Power / Power Management
• True Color night vision
• Multispectral pointer, marker, designator (MWIR/SWIR)
• Wireless Remote Weapon System Control (from shooting position)
• JTAC simulators/simulation (laptop, deployable, 360) immersive 3 dimensional interactive mixed reality environment
• Beacon Technologies (MWIR) extended ranges
Questions

We Support Our Nations Very Best!