# Ammo & Weapons Portfolio

## Visual Augmentation Systems
- Helmet Mounted
- Handheld
- Weapon Mounted

![Visual Augmentation Systems Examples](image1)

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

![Ammunition Examples](image2)

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

![Weapons and Accessories Examples](image3)

## Non Standard
- Small Caliber Ammunition
- Non-Standard Arms

![Non Standard Examples](image4)
# Visual Augmentation Systems Portfolio Overview

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

**HAND HELD**
- HHI-Mini Long Range
  - FY18: HHI-Mini 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: Squad Variable Scope Fielding
  - FY21: Grenade Launcher Sight Fielding
  - FY22: INOD Fielding
- Crew Served Fire Control Development
  - FY20: Fire Control System Fielding
  - FY21: Squad Aiming Laser Fielding
  - FY22: Range Aiming Laser Fielding

**EMITTERS**
- Lasers & Illuminators
  - FY18: DL Laser Development
  - FY19: DL Laser Fielding
  - FY20: DL Laser Fielding
  - FY21: DL Laser Fielding
  - FY22: DL 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
  - FY18: Day/Night HUD (non-NVG reliant) with ability to import/export data or images (wireless)

**FY18**
- FY18: HHI-Mini Long Range Fielding
- FY18: MAVERIC Development
- FY18: ASR Scope Development
- FY18: Day Optic Development
- FY18: Squad Variable Scope Fielding
- FY18: DL Laser Development
- FY18: Designator Development
- FY18: Adaptive Multi-Spectral Vision, Wide Field of View, Power Management

**FY19**
- FY19: Enhanced Thermal Clip-On Fielding
- FY19: AR Clip-on Fielding
- FY19: INOD Fielding
- FY19: Squad Aiming Laser Fielding
- FY19: Range Aiming Laser Fielding
- FY19: Viewer Development
- FY19: Day/Night HUD (non-NVG reliant) with ability to import/export data or images (wireless)

**FY20**
- FY20: ADP Development
- FY20: Grenade Launcher Sight Fielding
- FY20: Fire Control System Fielding
- FY20: Precision Aiming Laser Fielding
- FY20: Hand Gun Aiming Laser Fielding
- FY20: BF Fielding

**FY21**
- FY21: Augmented Reality Development
- FY21: INOD Fielding
- FY21: CNVD Fielding
- FY21: Squad Aiming Laser Fielding
- FY21: Range Aiming Laser Fielding
- FY21: Hand Gun Aiming Laser Fielding
- FY21: BF Fielding

**FY22**
- FY22: AR Clip-on Fielding
- FY22: Next Gen Long-Range
- FY22: Fire Control System Fielding
- FY22: BF Fielding
- FY22: BF Fielding

**ADDITIONAL**
- FY18: HHI-Mini Long Range Fielding
- FY19: MAVERIC Development
- FY20: ASR Scope Fielding
- FY20: Squad Variable Scope Fielding
- FY20: GDLS Fielding
- FY20: INOD Fielding
- FY20: CNVD Fielding
- FY20: Squad Aiming Laser Fielding
- FY20: Range Aiming Laser Fielding
- FY21: Precision Aiming Laser Fielding
- FY21: Hand Gun Aiming Laser Fielding
- FY21: BF Fielding
- FY21: BF Fielding
- FY22: BF Fielding
- FY22: BF Fielding
Miniature Aiming System – Laser (MAS L)

- The Miniature Aiming System – Laser is a reduced size and weight replacement for 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: 4th QTR FY17
- Receive Proposals: 2nd QTR FY18
- Source Selection: 3rd QTR FY18
- Contract Award: 4th QTR FY18

**POINT OF CONTACT**
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

**FUNDING**
- $48M

**CURRENT**
- N00164-16-D-JQ88
- N00164-17-R-JQ27
  - Crane, IN
Precision Aiming Laser (PAL)

Miniature Aiming System – Laser (MAS L)

- Tactical laser for the Advanced Sniper Rifle (ASR) and Anti-Material Rifle (AMR)
- Compatible with clip-on night sensors and air platform night sensors to effectively define target locations during engagements
- Combines the range finder with a ballistics and environmental sensor/processor to include wind-sensing from the shooter to the target
- Tactical laser for the Advanced Sniper Rifle (ASR) and Anti-Material Rifle (AMR)
- The ballistics and environmental processing function could be embedded within the laser device, detached as a module, or provided by a handheld instrument.
- Capability is necessary for “smart-scope” integration on SOF small arms.

ACQUISITION STRATEGY
- Full and Open Competition
- IDIQ Contract

PERIOD OF PERFORMANCE
- 5 Years

MILESTONES
- RFP Release: 4th QTR FY18
- Receive Proposals: 1st QTR FY19
- Source Selection: 2nd QTR FY19
- Contract Award: 3rd QTR FY19

POINT OF CONTACT
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

FUNDING
- $35.3M

CURRENT CONTRACT/OEM
- N00164-18-R-JQ(TBC)
Handgun Aiming Laser (HAL)

Miniature Aiming System – Laser (MAS L)
- Near Infrared laser device
- Family of Low Visibility and Concealable Pistols (FLVCP)
- New requirement within VAS portfolio

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| • Full and Open Competition  
• IDIQ Contract | • 5 Years | • RFP Release: 3rd QTR FY18  
• Receive Proposals: 4th QTR FY18  
• Source Selection: 1st QTR FY19  
• Contract Award: 3rd QTR FY19 |

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| • USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO)  
(813) 826-9482 | • $5.5M | • N00164-18-R-JQ48 |
Enhanced Combat Optical Sight

Miniature Aiming System - Day Optic = (MAS-D)
- 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
- 3 Years

MILESTONES
- Contract Award: 4th QTR FY16

FUNDING
- $7.6M

CURRENT CONTRACT/OEM
- N00164-16-D-JQ89

POINT OF CONTACT
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482
**Handgun Reflex Sight (HRS)**

Miniature Aiming System - Day Optic = (MAS-D)
- New requirement within VAS portfolio
- Family of Low Visibility and Concealable Pistols (FLVCP)

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

### PERIOD OF PERFORMANCE
- 5 Years

### MILESTONES
- RFP Release: 1st QTR FY18
- Receive Proposals: 2nd QTR FY18
- Source Selection: 3rd QTR FY18
- Contract Award: 1st QTR FY19

### POINT OF CONTACT
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

### FUNDING
- $10M

### CURRENT CONTRACT/OEM
- N00164-17-R-JQ25
Squad Variable Powered Scope (S-VPS)

Miniature Aiming System - Day Optic = (MAS-D)
- 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

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

**POINT OF CONTACT**
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

**FUNDING**
- $47.6M

**CURRENT CONTRACT/OEM**
- N00164-17-R-JQ30
Precision Variable Powered Scope (P-VPS)

Miniature Aiming System - Day Optic = (MAS-D)
• Upgrade to Family of Sniper Scopes previously fielded as part of the sniper weapon system.
• For sniper weapons including the PSR, AMR and future ASR
• A magnified optic to improve target acquisition and P (h) between 50-1500m.
• Includes a non-caliber specific grid reticle
• Variable power
• Illuminated aim-point
• Incorporates a micro data display to display range finding, ballistics offsets, and other engagement data within the optics field of view.

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<td>• N00164-18-R-(TBD)</td>
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# Thermal Identification, Friend or Foe Beacon

**Beacon Illuminator**

- Provides identification, friend or foe capability for aviation assets unable to detect Near Infrared (NIR) marking systems when conducting kinetic fire operations.
- Suited for maritime and ground applications
- Small, lightweight, long range, ground friendly force marking system
- Up to 360 degree emitter
- Beyond the current capabilities of NIR strobes and pointers.

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

## PERIOD OF PERFORMANCE
- 5 Years

## MILESTONES
- RFP Release: 3rd QTR FY18
- Receive Proposals: 4th QTR FY18
- Source Selection: 4th QTR FY18
- Contract Award: 2nd QTR FY19

## POINT OF CONTACT
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

## FUNDING
- $38.8M

## CURRENT CONTRACT/OEM
- TBD
Weapons Portfolio Overview

**RIFLES**
- **Combat Assault Rifles/Semi-automatic Sniper Rifles**
- **Upper Receiver Groups**
  - 6.5mm Ammo Development
  - Intermediate Caliber Sniper Rifle/Carbine Fielding
- **SURG Development**
  - SURG Fielding
  - Upper Receiver Group Enhancements
- **PDW Development**
  - Personal Defense Weapon Fielding
- **ASR Rifle/Scope Development**
  - ASR Rifle/Scope Fielding
  - MK13 Enhancements until phased out by ASR

**SNIPER RIFLES**
- **Sniper Weapons & Accessories**
- **6.5mm Intermediate Caliber Sniper Rifle/Carbine Fielding**
- **6.5mm Ammo Development**
- **SURG Fielding**
- **ASR Rifle/Scope Fielding**
- **MK13 Enhancements until phased out by ASR**

**MACHINE GUNS**
- **Flow Formed Machine Gun Barrel Development**
- **338NM Ammo Development**
- **Lightweight Medium Machine Gun Development**
- **LWMMG Fielding**
- **Intermediate Caliber Assault Machine Gun Fielding**

**HANDGUNS**
- **Suppressor Development**
- **Suppressor Fielding**
- **147gr Spear Gold Dot G2 Fielding**
# Weapons and Accessories: Handgun Suppressor

## Handgun Suppressor

- Contract for procurement of MK27 Suppressor
- Provides signature reduction capability
- Suppressor must be compatible with currently fielded MK27 (Glock 19) handgun
- Optimized for handgun sight currently being developed

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- RFP Release: 2nd QTR FY19
- Contract Award: 4th QTR FY19
- N/A
Weapons and Accessories: Machine Guns

Light Weight Medium Machine Gun
- Contract for procurement of Light Weight Medium Machine Gun (LWMMG)
- Provides a 2000m engagement capability
- System must be of comparable weight to the current M240B machine gun
- 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
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO)
  (813) 826-9482

FUNDING
- $49M

CURRENT CONTRACT/OEM
- N/A
# Weapons and Accessories: Machine Guns

**Assault Machine Gun**
- Contract for procurement of Assault Machine Gun (AMG)
- Provides a 1500m engagement capability
- System must be of comparable weight or lighter than the current M249 machine gun
- 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
- USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482

### FUNDING
- $49M

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

- 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
- 6.5mm Assault Machine Gun
- Suppressor for MK27 Gen 4
# Ammo, Demolitions, Breaching: Small Caliber

## Intermediate Caliber Ammunition
- Contract for procurement of sniper support ammunition
- Ammunition will be built to Government Specification

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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
  - 7.62mm NATO for use in the MK44 (mini-gun)
- **Should reduce overall cartridge weight by over 30% compared to existing rounds**

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Questions

We Support Our Nations Very Best!