



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Win • Transform • People

LTC Mark Owens *Program Manager*

AMMO & WEAPONS



Ammo & Weapons Portfolio

Visual Augmentation Systems

- Helmet Mounted
- Handheld
- Weapon Mounted



Combat Optics and Lasers



Hand Held Imagers



Sniper Scope w/Improved Night Observation Device (INOD)



Night Vision Goggle w/ Clip-on Thermal Imager

Weapons and Accessories

- Combat Assault Rifles
- Machine Guns
- Sniper Rifles
- Suppressors



Combat Assault Rifle



MK13 MOD 7 Sniper Rifle



Advanced Lightweight Grenade Launcher

Ammunition, Demolitions and Breaching

- Small Caliber Ammunition
- Shoulder Fired Systems
- Aviation Ammunition
- Demolitions and Pyrotech



Lightweight Shoulder Launched Weapon



Lead-free Training Ammo



AC-130 Ammo

Non Standard

- Small Caliber Ammunition
- Non-Standard Arms



Non-Standard Munitions

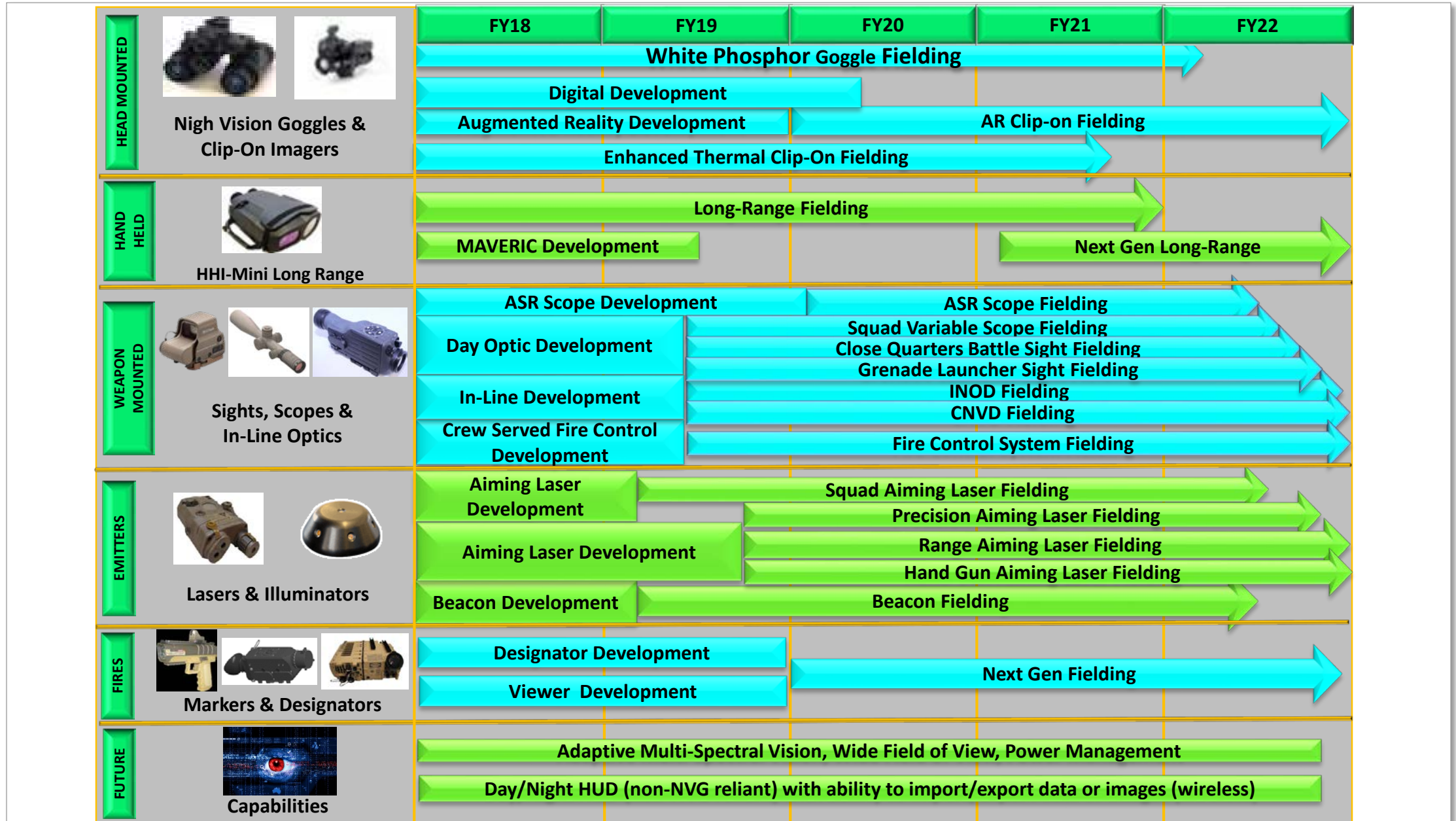


Non-Standard Arms



Non-Standard Arms

Visual Augmentation Systems Portfolio Overview



Squad Aiming Laser (SAL)

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



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| <p style="text-align: center;">ACQUISITION STRATEGY</p> <ul style="list-style-type: none"> • Full and Open Competition • IDIQ Contract | <p style="text-align: center;">PERIOD OF PERFORMANCE</p> <ul style="list-style-type: none"> • 5 Years | <p style="text-align: center;">MILESTONES</p> <ul style="list-style-type: none"> • RFP Release: 4rd QTR FY17 • Receive Proposals: 2nd QTR FY18 • Source Selection: 3rd QTR FY18 • Contract Award: 4th QTR FY18 |
| <p style="text-align: center;">POINT OF CONTACT</p> <ul style="list-style-type: none"> • USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482 | <p style="text-align: center;">FUNDING</p> <ul style="list-style-type: none"> • \$48M | <p style="text-align: center;">CURRENT</p> <ul style="list-style-type: none"> • 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



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: 1st QTR FY19
- Contract Award: 3rd QTR FY19

POINT OF CONTACT

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

FUNDING

- \$5.5M

CURRENT CONTRACT/OEM

- 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



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| <p style="text-align: center;">POINT OF CONTACT</p> <ul style="list-style-type: none"> • USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482 | <p style="text-align: center;">FUNDING</p> <ul style="list-style-type: none"> • \$7.6M | <p style="text-align: center;">CURRENT CONTRACT/OEM</p> <ul style="list-style-type: none"> • N00164-16-D-JQ89 |

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

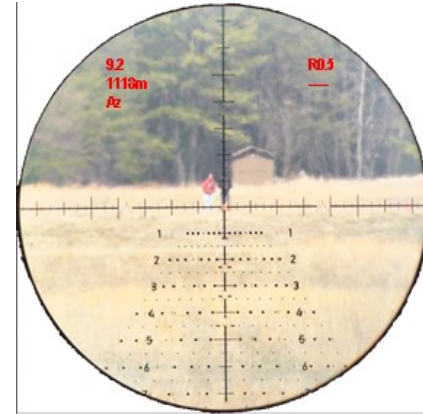
CURRENT CONTRACT/OEM

- 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.



ACQUISITION STRATEGY

- Full and Open Competition
- IDIQ Contract

PERIOD OF PERFORMANCE

- 5 Years

MILESTONES

- RFP Release: 4th QTR FY19
- Receive Proposals: 1nd QTR FY20
- Source Selection: 2nd QTR FY20
- Contract Award: 3rd QTR FY20

POINT OF CONTACT

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

FUNDING

- \$12.5M

CURRENT CONTRACT/OEM

- N00164-18-R-(TBD)

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: 3th QTR FY18
- Receive Proposals: 4th QTR FY18
- Source Selection: 4th QTR FY18
- Contract Award: 2nd QTR FY19

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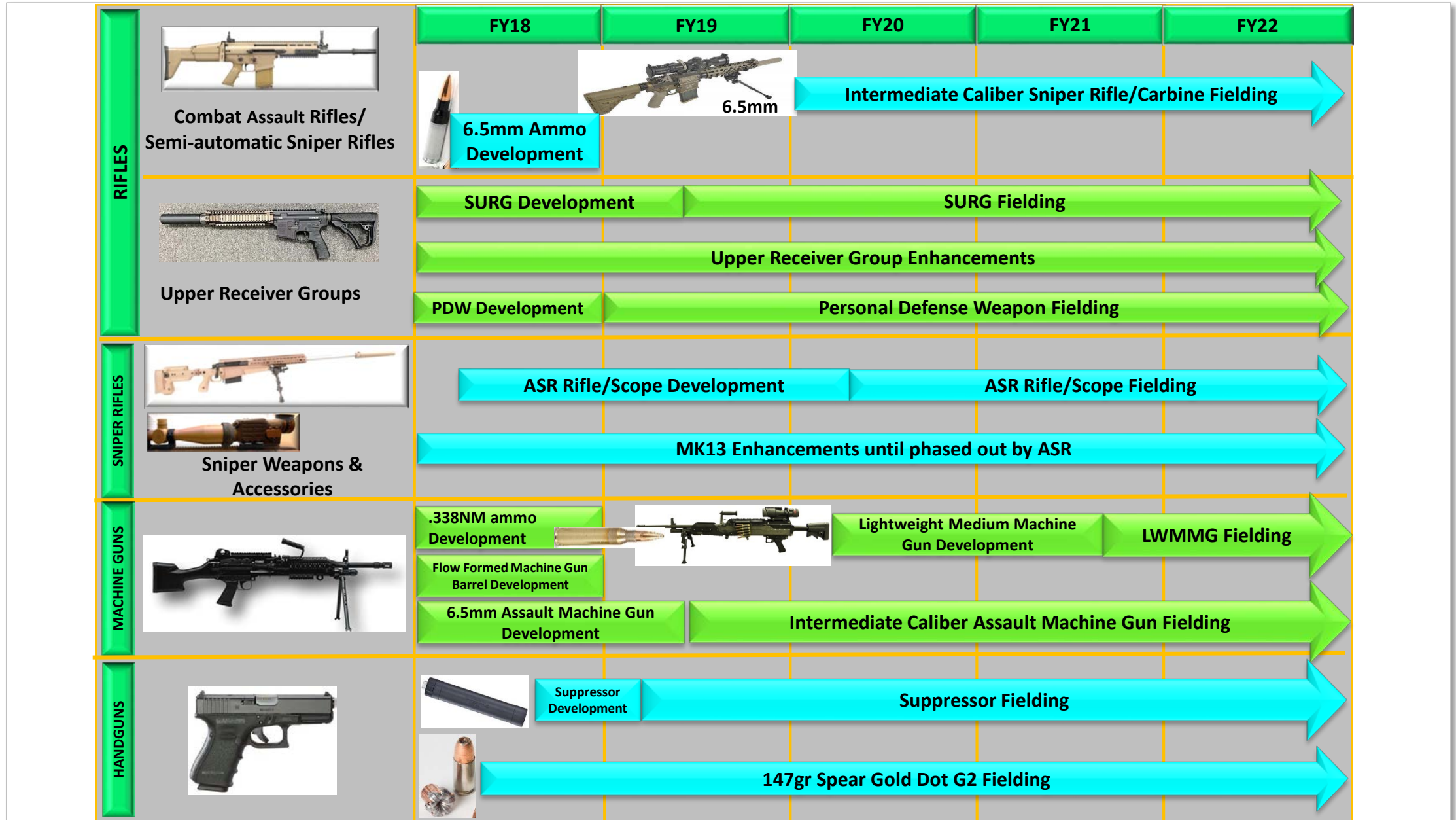
FUNDING

- \$38.8M

CURRENT CONTRACT/OEM

- TBD

Weapons Portfolio Overview



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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| <p style="text-align: center;">POINT OF CONTACT</p> <ul style="list-style-type: none"> • USSOCOM SOF AT&L, Technology & Industry Liaison Office (TILO) (813) 826-9482 | <p style="text-align: center;">FUNDING</p> <ul style="list-style-type: none"> • \$49M | <p style="text-align: center;">CURRENT CONTRACT/OEM</p> <ul style="list-style-type: none"> • 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

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Weapons and Accessories: Machine Guns

Assault Machine Gun

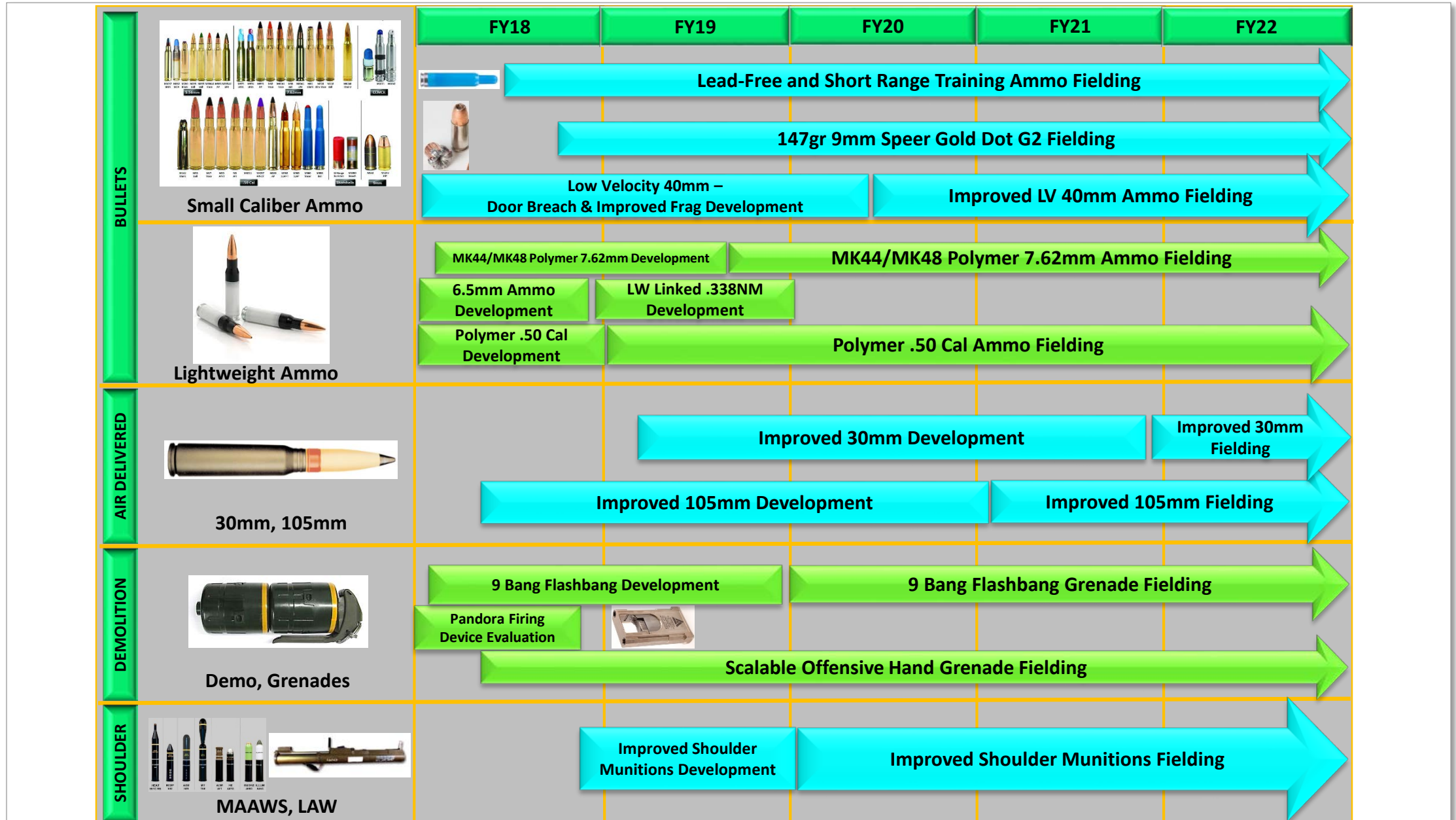
- Contract for procurement of Assault Machine Gun (AMG)
- Provides a 1500m engagement capability
- System must be of comparable weight or lighter than the current M249 machine gun
- Optimized for ammunition in polymer
- System should include advanced barrel, suppressor, and thermal mitigation technology

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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**

Ammunition Portfolio Overview



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!