



JOINT PROGRAM EXECUTIVE OFFICE ARMAMENTS & AMMUNITION



Presented at the:
Armaments Systems Forum

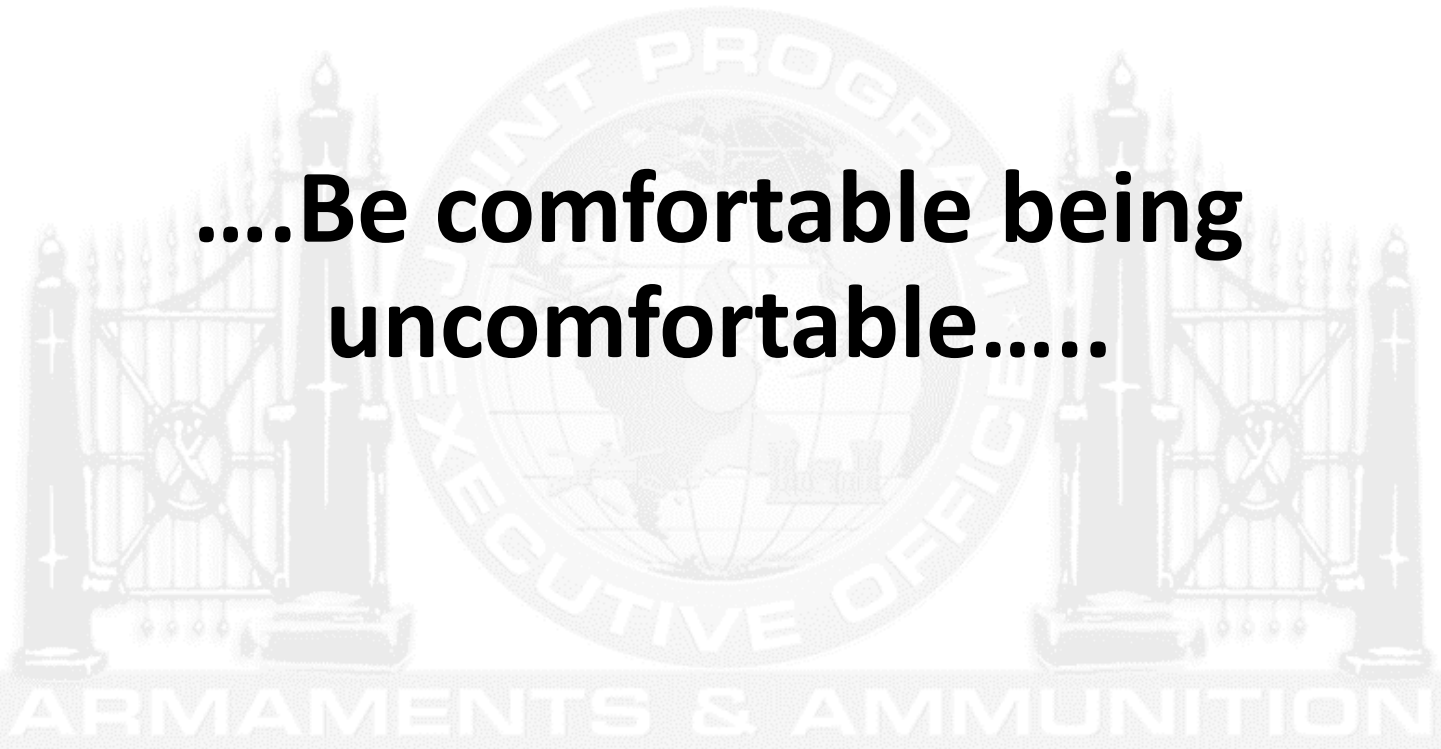
Presented By:
BG Alfred F. Abramson III
Joint Program Executive Officer
Armaments and Ammunition

3 June 2019





**....Be comfortable being
uncomfortable.....**





We Changed Our Name.....





Context – The Focus Has Shifted

- Build Readiness
- Modernization
- Reform
- Strengthen Alliances and Partnerships



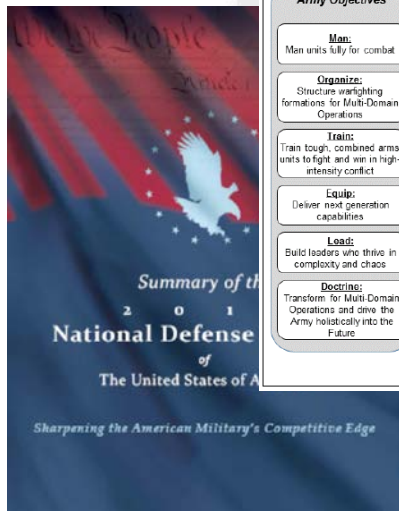
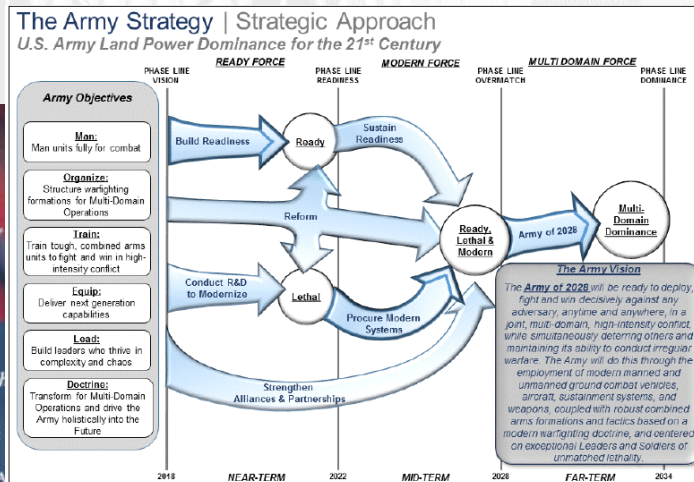
- Close Critical Capability Gaps...

- Achieve Overmatch and Begin Fielding Next Generation...

- Strengthen overmatch....

- Modernization Priorities

- Operational Readiness





Joint Program Executive Office Armaments & Ammunition



Project Manager
Combat Ammunition Systems



COL William McDonough



JPEO A&A
BG Alfred F. Abramson III



DJPEO A&A
Mr. Andrew DiMarco

MISSION: Lead the development, procurement, and delivery of lethal armaments and ammunition providing joint warfighters with overmatch capabilities to defeat current and future threats.



Project Manager
Close Combat Systems



COL Jonathan Slater



CW5
Robert E. Smith, Jr.



JPEO A&A
Chief of Staff
Mr. John Curran



Program Manager
Towed Artillery Systems



Mr. Keith Gooding
USMC



Project Manager
Maneuver Ammunition Systems



COL Hector Gonzalez



AJPEO
International
Mr. Thomas Coradeschi



Chief
Technology
Officer
Mr. Paul Manz



Project Director
Joint Bombs



Col (USAF)
Michael Tannehill



Project Director
Joint Services



COL Justin Highley

**Single Manager
for Conventional
Ammunition (SMCA)**



OEDCA
Executive Director
Conventional Ammunition

SMCA Assessment

CAPT Brian Schorn
USN



US Army



US Air Force



US Navy



US Marine Corps



Supporting Army Modernization Priorities



**Long Range
Precision Fires**

Supported by 11 Projects

Includes: Enhanced Lethality Cannon Munitions, 155mm HE Rocket Assist, Extended Range and Cannon Delivered Area Effects Munitions

**Next Generation
Combat Vehicle**

Supported by 8 Projects

Includes: Enhanced Lethality Medium Cal Ammo, Advanced Multipurpose 120mm Tank Round and 50mm

Future Vertical Lift

Supported by 1 Project

Aviation Expendable Countermeasures

Network / C3I

Supported by 1 Project

Assured Precision Weapons and Munitions

**Air and Missile
Defense**

Supported by 1 Project

30x113mm CUAS Munitions

Soldier Lethality

Supported by 11 Projects

Includes: Advanced Armor Piercing (ADVAP) for Small Cal, 40mm Low Velocity HE Air Burst and Next Generation 6.8mm Ammunition

JPEO Armaments & Ammunition is enabling increased Lethality and ensuring future battlefield success against peer/near-peer adversaries.

JPEO A&A has four additional programs which are enablers to all six CFTs



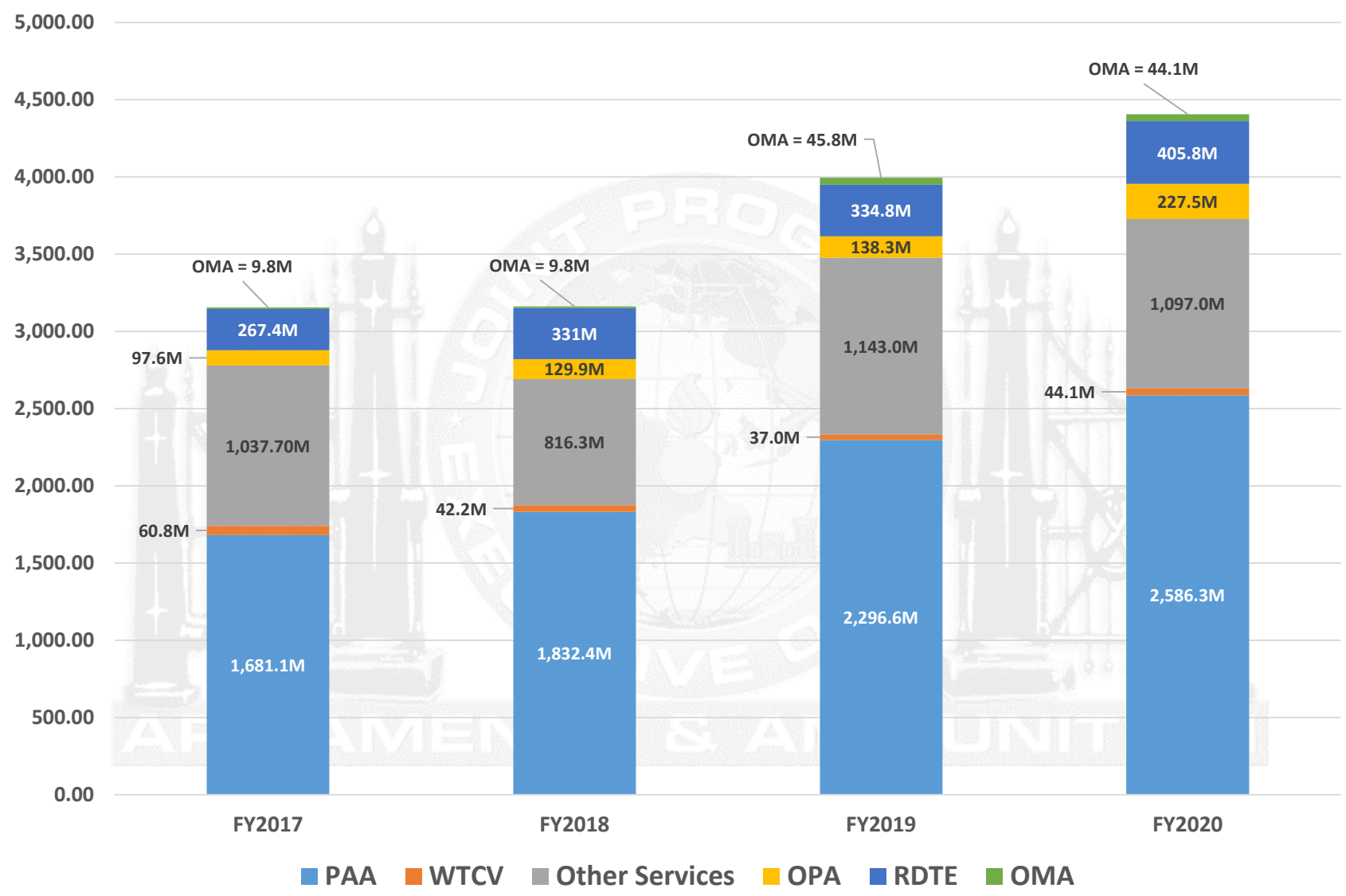
Key Development Thrusts

- Critical armaments proactively “pulling” lethal technologies and system-of-systems capabilities from Army S&T developers like CCDC-AC, including ...
 - **Extended Range Cannon Artillery** (Munitions, Weapons, Super Charge, Extended Range alternatives, Precision)
 - **PGK Modernization, Anti-Jam/Anti-Spoof**
 - **Mobile Wheeled Howitzer**
 - **Cannon-Delivered Area Effect** and Sensor Fuzed Munitions
 - **Terrain Shaping Obstacle**
 - **Advanced Armor Piercing (ADVAP)** and **One Way Luminescence (OWL)** for Small Cal Ammo
- Precision Munitions - Leading effort to ensure Assured Position, Navigation, and Timing (A-PNT) Precision and Conventional Fires in GPS Degraded/Denied environments
 - **Assured Precision Weapons and Munitions** (including A-PNT, M-Code GPS, Network Assisted A-PNT (NA2), AltNav and non-GPS solutions)

**JPEO A&A is fully engaged to develop, deliver,
and ensure Combat Overmatch**



FY2017 - FY2020 Budget Comparisons





Single Manager Conventional Ammunition (SMCA)



SMCA Mission: Manage DoD conventional ammunition, and personnel and training functions (DoDD 5160.65)

Objectives: Achieve the highest possible degree of efficiency and effectiveness in the DoD operations required to acquire top quality conventional ammunition for U.S. Forces



Providing all Services with the Highest Quality and Cost Effective Ammunition



JPEO A&A



GOCO Support to Army Priorities

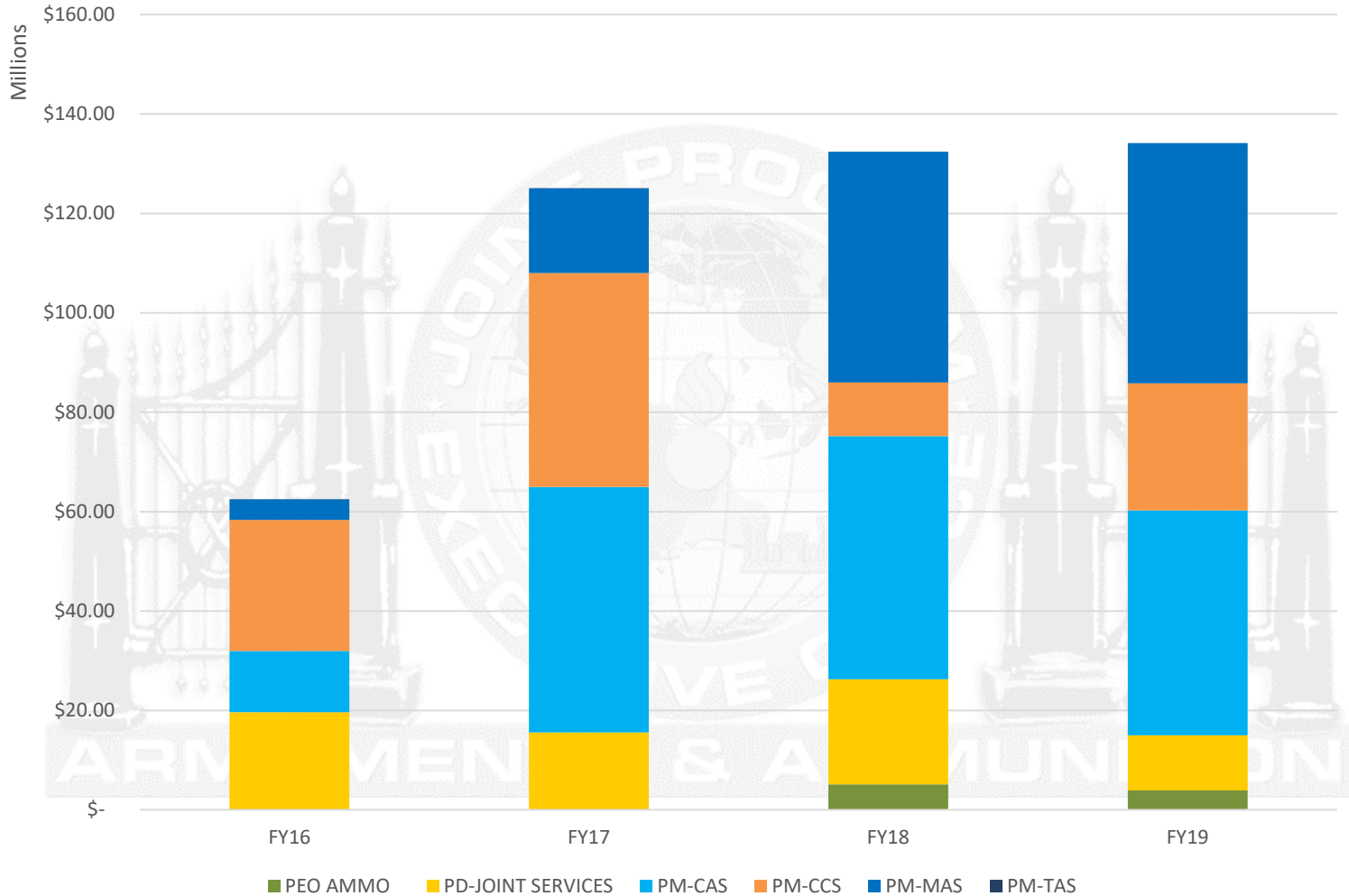
- Nearly all DOD weapon systems use products produced by the GOCO Ammo industrial base
- JPEO A&A is the Single Manager for Conventional Ammo (SMCA) and responsible for modernization, sustainment, and production at the GOCOs
- *The success of the Army's Modernization Plan depends on a vibrant, modernized Industrial Base*
- *JPEO A&A continues investment to enhance GOCO manufacturing capabilities:*
 - ✓ *FY2019 = \$458M*
 - ✓ *FY2020 = \$475M*

Plant	Mission	CFTs Supported
Holston AAP (HSAAP)	Manufacture Explosives: RDX (USAF Bombs), HMX (Missiles), IMX (Mortars/Artillery)	Soldier Lethality LRPF
Radford AAP (RFAAP)	Manufacture Large Volumes Of Propellants And Propellant Ingredients	Soldier Lethality LRPF AMD NSCV FVL
Lake City AAP (LCAAP)	Provider of DoD Small Caliber Ammunition 5.56mm, 7,62mm, .50 Cal	Soldier Lethality
Iowa AAP (IAAAP)	Load, Assemble, and Pack (LAP) Ammunition Items	LRPF
Scranton AAP (SCAAP)	Manufacture Metal Parts for artillery, mortar, and 5" Navy projectiles	LRPF



DOTC Financials

JPEO A&A's Use of DOTC (FY16-FY19) – Total Funding





Meeting Joint Warfighter's Needs!



FY2018 Snapshot

- Direct Fire Ammunition = 908M rds.
- Indirect Fire Ammunition = 1.95M rds.
- AF and USN Bombs = 250,000+
- Misc. Ammo/Munitions (ex. Grenades, Pyro, Less than Lethal Rds.) = 3.24M
- Demil = 49k tons of conventional ammo & ~14k tons of missiles & missile components



