Presented at the:
Armaments Systems Forum

Presented By:
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Joint Program Executive Officer
Armaments and Ammunition

3 June 2019
….Be comfortable being uncomfortable.....
We Changed Our Name.....
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
MISSION: Lead the development, procurement, and delivery of lethal armaments and ammunition providing joint warfighters with overmatch capabilities to defeat current and future threats.
Supporting Army Modernization Priorities

Supported by 11 Projects
Includes: Enhanced Lethality Cannon Munitions, 155mm HE Rocket Assist, Extended Range and Cannon Delivered Area Effects Munitions

Supported by 8 Projects
Includes: Enhanced Lethality Medium Cal Ammo, Advanced Multipurpose 120mm Tank Round and 50mm

Supported by 1 Project
Aviation Expendable Countermeasures

Supported by 1 Project
Assured Precision Weapons and Munitions

Supported by 1 Project
30x113mm CUAS Munitions

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

Source PBs
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

<table>
<thead>
<tr>
<th>Plant</th>
<th>Mission</th>
<th>CFTs Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holston AAP</td>
<td>Manufacture Explosives: RDX (USAF Bombs),</td>
<td>Soldier Lethality</td>
</tr>
<tr>
<td>(HSAAP)</td>
<td>HMX (Missiles), IMX (Mortars/Artillery)</td>
<td>LRPF</td>
</tr>
<tr>
<td>Radford AAP</td>
<td>Manufacture Large Volumes Of Propellants And</td>
<td>Soldier Lethality</td>
</tr>
<tr>
<td>(RFAAP)</td>
<td>Propellant Ingredients</td>
<td>LRPF, AMD, NSCV, FVL</td>
</tr>
<tr>
<td>Lake City AAP</td>
<td>Provider of DoD Small Caliber Ammunition</td>
<td>Soldier Lethality</td>
</tr>
<tr>
<td>(LCAAP)</td>
<td>5.56mm, 7.62mm, .50 Cal</td>
<td></td>
</tr>
<tr>
<td>Iowa AAP</td>
<td>Load, Assemble, and Pack (LAP) Ammunition</td>
<td>LRPF</td>
</tr>
<tr>
<td>(IAAAP)</td>
<td>Items</td>
<td></td>
</tr>
<tr>
<td>Scranton AAP</td>
<td>Manufacture Metal Parts for artillery,</td>
<td>LRPF</td>
</tr>
<tr>
<td>(SCAAP)</td>
<td>mortar, and 5” Navy projectiles</td>
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</tbody>
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DISTRIBUTION STATEMENT A: Approved for Public Release
DOTC Financials

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

FY16-FY18 actuals; FY19 projected

DISTRIBUTION STATEMENT A: Approved for Public Release; distribution is unlimited. PAO Log# 280-19
### FY2018 Snapshot

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Direct Fire Ammunition</td>
<td>908M rds.</td>
</tr>
<tr>
<td>Indirect Fire Ammunition</td>
<td>1.95M rds.</td>
</tr>
<tr>
<td>AF and USN Bombs</td>
<td>250,000+</td>
</tr>
<tr>
<td>Misc. Ammo/Munitions</td>
<td>3.24M</td>
</tr>
<tr>
<td>Demil</td>
<td>49k tons of conventional</td>
</tr>
<tr>
<td></td>
<td>&amp; ~14k tons of missiles &amp;</td>
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<tr>
<td></td>
<td>missile components</td>
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