Be the best provider of conventional and leap-ahead munitions and counter improvised explosive device products by fostering innovation and diversity to increase the combat power of our Warfighters.

650+ Active Programs Managed in FY10 – $4.7B value

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

History of the SMCA:
In 1977, the Secretary of Defense assigned the Secretary of the Army as the DoD SMCA with the responsibility for procuring/producing conventional ammunition for all military services in DoD Directive (DODD) 5160.65. On April 16, 2003, this authority was delegated by the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) to PEO Ammunition. Consistent with this delegation, starting in FY04, all SMCA orders are processed through the (PEO) Ammunition.

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
Ammunition Enterprise Footprint

- **Lake City AAP**
  - Independence, MO
  - Small Caliber
  - 5.56, 7.62 & 20mm, .50 cal

- **Iowa AAP**
  - Middletown, IA
  - Missile Warheads
  - Load, Assemble and Pack
  - 120mm Tank, 105/155 Artillery

- **Milan Army AAP**
  - Milan, TN
  - Load, Assemble and Pack
  - 40mm, mortars, demo blocks

- **Scranton AAP**
  - Scranton, PA
  - Projectile Metal Parts
  - 155mm shells & 120mm mortars

- **Tooele Army Depot**
  - Tooele, UT
  - Supply Depot Operations
  - Ammunition Peculiar Equip

- **Hawthorne Army Depot**
  - Hawthorne, NV
  - Western Area Demil Facility
  - Supply Depot Operations

- **Riverbank AAP**
  - Riverbank, CA
  - Processing Metal Parts
  - Steel Cartridge Cases
  - 5" Navy gun & Stryker
  - (31 Mar 10)

- **McAlester AAP**
  - McAlester, OK
  - 500, 1000 & 2000 lb Bombs
  - Intelligent Munitions
  - Supply Depot Operations

- **Red River Munitions Center**
  - Texarkana, TX
  - Supply Depot Operations
  - (15 Sep 11)

- **Pine Bluff Arsenal**
  - Pine Bluff, AR
  - White/Red Phosphorus
  - Smoke/Obscurants
  - Supply Depot Operations

- **Anniston Munitions Ctr.**
  - Anniston, AL
  - Supply Depot Operations
  - Missile Storage
  - Demil

- **Blue Grass Army Depot**
  - Richmond, KY
  - Supply Depot Operations
  - Chemical Defense Equipment

- **Picatinny Arsenal**
  - Picatinny Arsenal, NJ
  - HQ Joint Munitions Command
  - Joint Munitions & Lethality LCMC
  - Armament Research Development & Engineering Center
  - PEO Ammunition

- **Holston AAP**
  - Kingsport, TN
  - Explosives RDX/HMX

- **Radford AAP**
  - Radford, VA
  - Solventless Propellant
  - Nitrocellulose

- **Letterkenny Munitions Ctr.**
  - Chambersburg, PA
  - Supply Depot Operations
  - Tactical Missiles

- **Rock Island Arsenal**
  - Rock Island, IL
  - HQ Joint Munitions Command

- **Tooele Army Depot**
  - Tooele, UT
  - Supply Depot Operations
  - Ammunition Peculiar Equip

**Footprint**
- 16 Munitions Locations
  - 402,097 Acres
  - 17.1M Ft² Storage
  - 6,151 Bldgs
  - 8,204 Igloos
  - 4,281 Magazines

**JM&L LCMC Team**
- TOTAL: 17,530
  - 10,130 Government
  - 7,400 Contractors

**Products**
- 90+ Items in Devel
- 400+ Items in Prod
- 3K+ Items Managed

DISTRIBUTION STATEMENT A: Approved for Public Release; distribution is unlimited.
Dated: 2 Feb 2011.
Ammunition Enterprise Industry Partners

- Over 250 commercial producers
- Producers in 45 States
- Produce over 1100 military items

# of Produced Items

- 0
- 1-5
- 5-19
- 19-33
- 33-83
- 83-180
Ammunition Demilitarization

Addition Influences
- Cluster Munitions / Landmines, WRSA-K, Aging Cold War Stocks, PIPs

Reversing the Trend
- Maximum use of low cost facilities / processes
- Establish production based thinking
- Defend against rising additions
- Reduce secondary cost expenditures (transportation, support, etc)
- 58K tons per year Average demil over last five years (06 - 10) is the average demil tonnage over a period
Outlook/Challenges

- Future Budget/Resource Picture (especially for Ammo)
- Reliance/focus on Joint
- Reliance/focus on FMS
- Implementation of Efficiency Initiatives
- Implications of new policies on technology transfer/FMS
# PEO Modernization Strategy

## Emerging Technologies Programs (next 5 Years)

<table>
<thead>
<tr>
<th>Artillery Munitions and Weapon Systems</th>
<th>Future Trends (5+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Excalibur Increment 1a &amp; 2 &amp; lb</td>
<td>- 105mm PGM</td>
</tr>
<tr>
<td>- Precision Guidance Kit I &amp; II</td>
<td>- VAPP</td>
</tr>
<tr>
<td>- MAPAvI</td>
<td>- M795 Extended Range</td>
</tr>
<tr>
<td>- Lightweight Mortar Systems</td>
<td>- DPICM Alternative</td>
</tr>
<tr>
<td>- Accelerated Precision Mortars Initiative</td>
<td>- Extended Range Mortar</td>
</tr>
<tr>
<td>- Very Affordable Precision Mortar (VAPM)</td>
<td>- Next Gen Kinetic Energy</td>
</tr>
<tr>
<td>- MFCS Light</td>
<td></td>
</tr>
<tr>
<td>- Lightweight Ammo</td>
<td></td>
</tr>
<tr>
<td>- Dim Trace</td>
<td></td>
</tr>
<tr>
<td>- 40mm Pivot Coupling</td>
<td></td>
</tr>
<tr>
<td>- 40mm Non Dud Prod.</td>
<td></td>
</tr>
<tr>
<td>- 40mm Airburst</td>
<td></td>
</tr>
<tr>
<td>- 30mm M789</td>
<td></td>
</tr>
</tbody>
</table>

## Mortar Munitions and Weapon Systems

<table>
<thead>
<tr>
<th>Artillery Munitions and Weapon Systems</th>
<th>Future Trends (5+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- GREM Door Breaching</td>
<td>- CCMCK (9mm; M1071)</td>
</tr>
<tr>
<td>- 120MM, Advanced Kinetic Energy</td>
<td>- 120mm Advanced Multi-purpose (MP) Round</td>
</tr>
<tr>
<td>- Dimensional Trace</td>
<td>- Dim Trace</td>
</tr>
<tr>
<td>- 40mm Non Dud Prod.</td>
<td>- 40mm Non Dud Prod.</td>
</tr>
<tr>
<td>- 40mm Airburst</td>
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<td>- 30mm M789</td>
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</tbody>
</table>

## Direct Fire

<table>
<thead>
<tr>
<th>Artillery Munitions and Weapon Systems</th>
<th>Future Trends (5+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- AT4CS-TW</td>
<td>- Individual Non-Lethal System (INS)</td>
</tr>
<tr>
<td>- Spider Improvements</td>
<td>- Dual Mode (Lethal/N-L) Grenade</td>
</tr>
<tr>
<td>- Jackal Passive</td>
<td>- Individual Assault Munition (IAM)</td>
</tr>
<tr>
<td>- Immediate Substance Identification</td>
<td>- Next Gen Networked Munitions</td>
</tr>
<tr>
<td>- Counterbomber PBIED Detection System</td>
<td></td>
</tr>
<tr>
<td>- Standoff Explosive Detection</td>
<td>- Immediate Substance Identification</td>
</tr>
<tr>
<td>- Immediate Substance Identification</td>
<td></td>
</tr>
<tr>
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<td></td>
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<td></td>
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</table>

## Close Combat Systems

<table>
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<tr>
<th>Artillery Munitions and Weapon Systems</th>
<th>Future Trends (5+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- New NC Facility Radford AAP</td>
<td>- Flexible Manufacturing Facility</td>
</tr>
<tr>
<td>- Smooth Cal. Modernization Lake City AAP</td>
<td></td>
</tr>
<tr>
<td>- Jackal Passive</td>
<td>- Immediate Substance Identification</td>
</tr>
<tr>
<td>- in-fredIED Pre-Detonation System</td>
<td>- Immediate Substance Identification</td>
</tr>
<tr>
<td>- Counterbomber PBIED Detection System</td>
<td>- Immediate Substance Identification</td>
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<tr>
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</table>

## Emergent Technologies Programs (next 5 Years)

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<tr>
<th>Artillery Munitions and Weapon Systems</th>
<th>Future Trends (5+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Disassembly and Energetic Destruction Technologies</td>
<td>- Ultrasonic Removal Process</td>
</tr>
<tr>
<td>- Flexible Manufacturing Facility</td>
<td>-</td>
</tr>
<tr>
<td>- Remote Control Systems</td>
<td>-</td>
</tr>
<tr>
<td>- Immediate Substance Identification</td>
<td>-</td>
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</table>

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Joint Warfighter Support

### FY08 - FY10 Produced & Delivered to Depot

<table>
<thead>
<tr>
<th></th>
<th>Small Cal</th>
<th>Med Cal</th>
<th>Large Cal</th>
<th>Mortars</th>
<th>Artillery</th>
<th>Bombs</th>
<th>Flares</th>
<th>Grenades</th>
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</thead>
<tbody>
<tr>
<td><strong>FY08</strong></td>
<td>2,740.7M</td>
<td>41.2M</td>
<td>369K</td>
<td>1.1M</td>
<td>990K</td>
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<td></td>
<td>1.9M</td>
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<tr>
<td><strong>FY09</strong></td>
<td>940.0M</td>
<td>10.4M</td>
<td>133K</td>
<td>954K</td>
<td>308K</td>
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<td>520K</td>
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<tr>
<td><strong>FY10</strong></td>
<td>264.9M</td>
<td>7.2M</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>532K</td>
<td>74K</td>
<td>138K</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>171.0M</td>
<td>24.0M</td>
<td>–</td>
<td>–</td>
<td>94K</td>
<td>167K</td>
<td>7.2M</td>
<td>129K</td>
</tr>
</tbody>
</table>
At the End of the Day...

We’re Meeting Joint Warfighter’s Needs!