Project Director
Joint Services

PM Acquisition Panel Brief

For

Munitions Executive Summit

1 March 2012

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New PD JS Mission/Vision (Nov 11) and Top 5 Goals and Focus Areas

**Mission**
Enable the SMCA to effectively provide ammunition and services to the Joint Warfighter

**Vision**
World class organization of highly qualified professionals earning customer trust and satisfaction through responsive delivery of high quality products and services

**Goals and Focus Areas**

1. Ammo Supply Chain Management
2. Correct Industrial Base inefficiencies through AAP modernization and consolidation
3. Reduce Demil stockpile, implement innovative Demil solutions and efficiencies and resolve Demil Enterprise roles and responsibilities
4. Update of SMCA Industrial Base Strategic Plan
5. Maintain continued SMCA customer satisfaction with Air Force, Navy, Marine Corps and SOCOM
PD Joint Services
Five Primary Responsibilities

SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA) RESPONSIBILITIES:
- Coordinate and integrate the DoD’s SMCA activities on behalf of PEO Ammunition
- Manage transition of Services’ conventional ammo items into the SMCA account
- Annual Survey measures performance

AMMUNITION INDUSTRIAL BASE:
- Manage Ammunition Industrial Base modernization
- Section 806 implementation & Single Point Failure (SPF) Program
- Execute Armament Retooling & Manufacturing Support (ARMS) efforts
- Ammunition Industrial Base strategic planning

PRODUCT MANAGER DEMILITARIZATION:
- Demil of all DoD conventional ammunition
- Demil research & development projects
- Ammunition Peculiar Equipment (APE)

MANUFACTURING TECHNOLOGY AND PROTOTYPING:
- Manufacturing Technology solutions for the Ammo Industrial Base addressing:
  - Single Points of Failure/No Source of Supply
  - Cost reduction efforts
  - Production efficiencies

AMMUNITION LOGISTICS:
- Manage US Army ammunition logistics R&D efforts
- Develop/synchronize joint ammunition logistics programs with other Services
Joint Services FY12-13 Program Funding

Funding $/K

- Demil PAA
- Ind Base PAA
- Demil RDT&E
- Tech & Proto RDT&E

FY12 $ (FY12 MIF/LIF $)
FY13 $ (FY13 MIF/LIF $)
## GOCO AAP Capability and Modernization Funding

<table>
<thead>
<tr>
<th>GOCO Facility</th>
<th>Core Processes</th>
<th>FY03-10</th>
<th>FY11</th>
<th>FY12</th>
<th>FY13</th>
<th>FY03-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radford (VA)</td>
<td>Propellant Manufacturing (Rocket, Artillery, Tank, Med; NC for all Propeallants)</td>
<td>394.092</td>
<td>22.674</td>
<td>153.928</td>
<td>38.046</td>
<td>608.740</td>
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<tr>
<td>Lake City (MO)</td>
<td>Small Caliber</td>
<td>305.354</td>
<td>16.860</td>
<td>8.450</td>
<td>95.323</td>
<td>425.987</td>
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<tr>
<td>Holston (TN)</td>
<td>Explosives - HMX, RDX</td>
<td>316.582</td>
<td>87.684</td>
<td>19.811</td>
<td>37.458</td>
<td>461.535</td>
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<tr>
<td>Scranton (PA)</td>
<td>Large Caliber Metal Parts - Artillery / Mortars</td>
<td>59.735</td>
<td>1.230</td>
<td>2.380</td>
<td>8.265</td>
<td>71.610</td>
</tr>
<tr>
<td>Iowa (IA)</td>
<td>Load, Assemble &amp; Pack (LAP) - Tank / Artillery, FASCAM</td>
<td>107.278</td>
<td>11.592</td>
<td>10.034</td>
<td>15.726</td>
<td>144.630</td>
</tr>
<tr>
<td>Milan (TN)</td>
<td>LAP - Mortars, 40mm cartridges; C-4 Extrusion</td>
<td>18.138</td>
<td>3.273</td>
<td>0.000</td>
<td>1.323</td>
<td>22.734</td>
</tr>
<tr>
<td>Design / Non-PEO</td>
<td>Engineering Design / ATEC</td>
<td>30.902</td>
<td>3.932</td>
<td>5.238</td>
<td>8.706</td>
<td>48.778</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>1,232.081</td>
<td>147.245</td>
<td>199.841</td>
<td>204.847</td>
<td>1,784.014</td>
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### FY12 $M

<table>
<thead>
<tr>
<th>Facility</th>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIF - FY2013 PRESBUD - (FEB 2012)</td>
<td>204.847</td>
<td>226.314</td>
<td>223.945</td>
<td>199.366</td>
<td>204.130</td>
<td>1058.602</td>
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<tr>
<td>PIF - HQDA POM Submit June 2011</td>
<td>222.127</td>
<td>218.439</td>
<td>218.89</td>
<td>204.689</td>
<td>199.888</td>
<td>1064.033</td>
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### 159 Ongoing Modernization Projects
## Current Status of GOCO Facility Use and Supply Contracts

<table>
<thead>
<tr>
<th>GOCO Army Ammunition Plants</th>
<th>Current Terms</th>
</tr>
</thead>
</table>
| **Holston** (BAE Systems)   | Facility Use – 25 yrs thru Sep 2023  
Supply – 5 yrs thru Sep 2012 |
| **Iowa** (American Ordnance) | Facility Use – 10 yrs thru Dec 2018 w/ three, 5 yr options  
Supply – 5 yrs thru Dec 2013 |
| **Lake City** (ATK)         | Facility Use – 25 yrs thru July 2024  
Supply – 10 yrs + extension thru Sep 2012 |
| **Milan** (American Ordnance) | Facility Use – 10 yrs thru Dec 2018 w/ three, 5 yr options  
Supply – 5 yrs thru Dec 2013 |
| **Radford** (BAE Systems)   | Facility Use – 10 yrs thru May 2022 w/ three, 5 yr options |
| **Scranton** (GD-OTS)       | Facility Use – 10 yrs thru Dec 2012; extension thru Jun 2013 |
| **Quad Cities Cartridge Case Facility** (Norris Industries) | Facility Use – 5 yrs thru May 2016 w/ four, 5 yr options |
Technology and Prototyping Projects With Transition Opportunities to the Private Sector

• TNC Pilot Scale Development (TNC is a binder component used in pyrotechnic mixes for mortar illumination rounds)

• Spheroidal Propellant as an Alternative to Ball Powder (used in small/medium/large caliber ammo and mortar prop charges)

• On Demand Lead Azide (a primary explosive component)

• Alternate Primer for use in Hand Grenade Fuzes (M213/M228)
Examples of Demil Transition Opportunities to the Private Sector

- Demil Investment Study results: Good potential to leverage commercial industry to increase demil efficiencies
- Efficient removal of cast cured Thermoset insensitive explosives from munitions
- Efficient recovery and reuse of magnesium from illuminating rounds

**MAJOR DEMIL STOCKPILE ITEMS (TONS)**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Tonnage</th>
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<tr>
<td>155mm M483 Dual Purpose Improved Conventional Munition (DPICM)</td>
<td>140,000</td>
</tr>
<tr>
<td>155mm Propelling Charge (Chg) (M119)</td>
<td>120,000</td>
</tr>
<tr>
<td>M26 MLRS (6) DPICM Rocket Pod</td>
<td>100,000</td>
</tr>
<tr>
<td>155mm Extended Range DPICM</td>
<td>80,000</td>
</tr>
<tr>
<td>155mm Propelling Chg (M203)</td>
<td>60,000</td>
</tr>
<tr>
<td>155mm Remote Anti-armor Munition (FASCAM)</td>
<td>40,000</td>
</tr>
<tr>
<td>30mm Ctg Armor Piercing (DU)</td>
<td>20,000</td>
</tr>
<tr>
<td>155mm Proj HE (ADAM M731) Practice (TP)</td>
<td>10,000</td>
</tr>
<tr>
<td>105mm Ctg HE ICM (M444)</td>
<td>5,000</td>
</tr>
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Data as of Dec 2011

Concentrate on major stockpile munitions
- Best opportunity for recoupment of facility costs
- Establish multiple capabilities; maximize cost efficiency

*Additional 133K tons MLRS in Field Service Accounts Worldwide (CONUS + OCONUS)
Section 806 Public Law 105-261

806 Process Determines if Proposed Procurement Approach Places Unacceptable Risk on the NTIB Supply Chain for Responding to National Emergency & Industrial Mobilization

**Requirement**—The official in the Department of Defense designated as the single manager for conventional ammunition in the Department of Defense shall limit a specific procurement of ammunition to sources within the national technology and industrial base in accordance with section 2304(c)(3) of title 10, United States Code, in any case in which that manager determines that such limitation is necessary to maintain a facility, producer, manufacturer, or other supplier available for furnishing an essential item of ammunition or ammunition component in cases of national emergency or to achieve industrial mobilization.
1. Financial viability of ammo supply chain

2. Fund sustainment and modernization of organic industrial base facilities

3. Deliver efficiencies in accordance with Better Buying Power initiatives

4. Mitigate Risk of Single Point Failures

5. Modernize AAPs without disrupting production and logistics operations
Backup
Joint Services FY12-13 Program Funding

Funding $/K

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FY12: $441,788
FY13: $442,040