Project Director Joint Products
2018 Munitions Executive Summit

PM Panel Brief

18 April 2018

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Project Director Joint Products
Portfolio Snapshot

BOMBS
- Navy and Air Force General Purpose Bombs
- Navy and Air Force Practice Bombs
- Prox Sensors, Fins and Lugs
- Navy and Air Force Penetrator Bombs
- Air Force Cast Ductile Iron Bombs

NAVY GUN AMMO
- Navy Gun Ammo
- Deck Gun firing 5”/54 Cal Ammo
- 5”/54 Cal Gun Ammo
- Projectiles and Propelling Charges

CAD/PAD
- Cartridge Actuated Devices
- Propellant Actuated Devices

ENERGETICS
- HMX
- RDX
- PBXN-9
- IMX 101
- LX-14
Main Priorities

- Support increased Military Service requirements for General Purpose and Penetrator Bombs

- Award new contracts for:
  - Tritonal-filled General Purpose and Penetrator Bombs
  - General Purpose Bomb Bodies
  - Cast Ductile Iron Bombs

- Complete First Article Testing and enter into production of:
  - BSU-33 Conical Bomb Fins
  - BDU-33 Small Practice Bombs

- Continue production of:
  - Tritonal filled MK84 2000 lb General Purpose Bombs
  - General Purpose Bombs (all variants)
  - BLU-109 2,000 lb Penetrator Bombs (dual source)
  - BDU-50 500 lb Cast Ductile Iron Bombs
  - BSU-33 Conical Bomb Fins
  - MK 76 Small Practice Bombs
  - DSU-33 Proximity Sensors

- Complete SMCA production of:
  - 5”/54 Cal Navy Gun Ammo Projectiles (all variants)
  - 5”/54 Cal Navy Gun Ammo Propelling Charges
Industrial Base Challenges

• Increased demand for General Purpose and Penetrator Bombs has resulted in unprecedented demand for some components above existing industrial capacity and increased requirements are expected to continue.

• Reduction in SMCA 5”/54 Cal Navy Gun Requirements will potentially be offset by planned Navy systems acquisition.

• We still need flexibility in both contracts and production facilities to absorb fluctuations in customer funding and continue to ask for your support as appropriate.
Funding Outlook

<table>
<thead>
<tr>
<th>Program Type</th>
<th>FY19-FY23 Funding</th>
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</thead>
<tbody>
<tr>
<td>General Purpose Bombs</td>
<td>$791</td>
</tr>
<tr>
<td>Penetrator Bombs</td>
<td>$233</td>
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<tr>
<td>Cast Ductile Iron/Practice Bombs</td>
<td>$163</td>
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<tr>
<td>5&quot;/54 Cal Navy Gun Ammo</td>
<td>$0</td>
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<tr>
<td>Fuze/Sensor Programs</td>
<td>$0</td>
</tr>
<tr>
<td>Fins Programs</td>
<td>$16</td>
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</tbody>
</table>

Spending Forecast:
- Increasing
- Consistent
- Decreasing

PBD19: Total Portfolio ~$1.2B

Represents Other Service Funding (Air Force and Navy)

4/10/2018
### Competitive Opportunities

<table>
<thead>
<tr>
<th>Product</th>
<th>Projected RFP Release</th>
<th>Projected Award Date</th>
<th>Dollar Amount</th>
<th>Contract Strategy</th>
<th>Contract Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK12 &amp; MK3 Pallets</td>
<td>3QFY18</td>
<td>4QFY18</td>
<td>$3.7M</td>
<td>SBSA</td>
<td>5 Year FFP</td>
</tr>
<tr>
<td>Nose Plugs/Support Cups</td>
<td>3QFY18</td>
<td>2QFY19</td>
<td>$1.2M</td>
<td>SBSA</td>
<td>2 Year FFP</td>
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<tr>
<td>MK45 Primers</td>
<td>3QFY18</td>
<td>2QFY19</td>
<td>$5.8M</td>
<td>Competitive</td>
<td>2 Year FFP</td>
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<tr>
<td>Cast Ductile Iron Bombs</td>
<td>4QFY18</td>
<td>1QFY20</td>
<td>$485M</td>
<td>Competitive</td>
<td>5 Year FFP</td>
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<tr>
<td>MK72/73/74 Bomb Cables</td>
<td>2QFY19</td>
<td>1QFY20</td>
<td>$2.1M</td>
<td>SBSA</td>
<td>5 Year FFP</td>
</tr>
<tr>
<td>BLU-109 Penetrator Bombs</td>
<td>3QFY19</td>
<td>2QFY20</td>
<td>$1.4B</td>
<td>Competitive</td>
<td>5 Year FFP</td>
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<tr>
<td>Small Practice Bombs</td>
<td>3QFY19</td>
<td>3QFY20</td>
<td>$91M</td>
<td>SBSA</td>
<td>5 Year FFP</td>
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</table>
Closing Message to Industry

• Thank you for your sustained commitment and support to the Ammunition Enterprise and the Joint Warfighter

• Overall, General Purpose and Penetrator Insensitive Munition bomb quantities are increasing, thereby necessitating the increase in demand for Tritonal-filled bombs to address surging requirements

• Energetics consumers - please plan early and make no assumptions

• Request your assistance in raising the quality of proposals submitted in response to Government solicitations

• Special thanks to GD-OTS, for their assistance in addressing the spike in General Purpose Bomb requirements