PM Close Combat Systems

National Defense Industrial Association
Armament and Munitions Forum

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Lethality & Survivability for the Close Fight
- Manages over 53% of all active U.S. Army ammunition programs
- 170+ active programs supported by more than $400 million in funding

What We Do
Networked and analog technologies, energetics, and munitions that improve Anti-Access/Area Denial (A2/AD) and increase the lethality, survivability, and overmatch of both the mounted and dismounted Joint Force in the close fight – lethal, non-lethal, robotics, counter-measures, and counter explosives for Unified Land Operations.
Team CCS Combat Munitions

Close-in Capabilities for Decisive Action.

- Fuzes & fuze setting
- Explosive technology, safety, rocket propellants, warheads
Team CCS Counter Explosive Hazard

Close-in Capabilities for Decisive Action.

- Countermine, counter improvised explosive device (IED)
- Explosive hazard detection & neutralization
Team CCS Support Munitions

Close-in Capabilities for Decisive Action.

- Battlefield support munitions – non-lethal, demolition, pyrotechnics, grenades
Team CCS Area Denial

Close-in Capabilities for Decisive Action.
- Battlefield support munitions – networked munitions, legacy mines
# Team CCS in the Fight

Since 2003, in support of OEF & OND:
- **100+ urgent materiel fieldings**
- **70 ONS / JUONS**
- **150+ PM CCS products in theater**
- **PM CCS civilians as PEO Ammo Forward**

## Combat Munitions:
<table>
<thead>
<tr>
<th>SLM:</th>
<th>AT4</th>
<th>BDM</th>
<th>LAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grenades:</td>
<td>Frag HG</td>
<td>Incendiary HG</td>
<td>Off HG</td>
</tr>
</tbody>
</table>

## Support Munitions:
<table>
<thead>
<tr>
<th>Demolitions:</th>
<th>APOBS</th>
<th>Bangalore</th>
<th>C4/TNT</th>
<th>Cutters</th>
<th>Demo Charge Assy</th>
<th>Flex Linear Charge</th>
<th>Initiators</th>
<th>M10 Dest</th>
<th>MICLIC</th>
<th>RAMS</th>
<th>Shaped Charge/Sheet Exp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyro:</td>
<td>CM Flare</td>
<td>Hand Held Sig</td>
<td>Imp CTG</td>
<td>PERS Dist Sig</td>
<td>Trip Flare</td>
<td></td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

## Counter Explosive Hazard
- AN/PSS-14
- Culvert Denial
- Cyclone
- DSP No27
- EOD
- Gizmo
- Ground Torch
- HMDS
- Interrogation Arm
- Jackal
- Minehound
- Rhino
- Schonstedt
- Sherlock
- SPARK
- VOSS
- WNS

## Area Denial:
- Claymore
- Spider
Team CCS FY02 - FY18 Funding Trend

Source: BES14 Army + Other Services Funding $ Include OCO
# Team CCS FY14 Product Line Funding

<table>
<thead>
<tr>
<th>Product Line</th>
<th>$M</th>
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</thead>
<tbody>
<tr>
<td>Countermine</td>
<td>218.5</td>
</tr>
<tr>
<td>Pyrotechnics</td>
<td>84.5</td>
</tr>
<tr>
<td>Demolitions</td>
<td>49.3</td>
</tr>
<tr>
<td>Grenades</td>
<td>45.3</td>
</tr>
<tr>
<td>Area Denial</td>
<td>27.2</td>
</tr>
<tr>
<td>EOD</td>
<td>22.5</td>
</tr>
<tr>
<td>Non-Lethal</td>
<td>10.9</td>
</tr>
<tr>
<td>IEDD</td>
<td>9.0</td>
</tr>
<tr>
<td>SLM</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>468.2</strong></td>
</tr>
</tbody>
</table>

Source: PresBud14 (ARMY + Other SVCs)
Tough Choices for Strategic Leaders

- Post-Korea: -43%
- Post-Vietnam: -33%
- Post-Cold War: -36%
- Current: -31%
Since 2003, PM CCS has supported a robust industrial base, including:

- Husky Mounted Detection System (HMDS) (2013): $166M
- Self-Protection Adaptive Roller Kit (SPARK) (2010): $451M
- M206 Countermeasure Flares (2009): $527M
- M211/M212 Countermeasure Flares (2008): $684M
- AT-4 CS Training Ammo (2007): $365M

For a total since 2003 of $8.265 billion
Top 10 FY14 / FY15 Acquisition Opportunities

• Shoulder-launched Multipurpose Assault Weapon (SMAW) - $100M
• HMDS - $20-$30M
• M206/MJU7/MJU10 Countermeasure Flares - $26M
• M72 Light Anti-Armor Weapon (LAW) - $24M
• Autonomous Mine Detection System (AMDS) - $20M
• Family of Smoke Grenades - $13M
• M67 Grenade - $11M
• LUU2/LUU19 Flares - $9M
• M112 Composition C4 Block Demolition Charge - $9M
• Spider - $8M

Potential for Individual Assault Munition (IAM) development.
51 PM CCS suppliers in 22 states and 2 countries
How Industry Can Help

**Information:**
- Advise PM of critical 2\textsuperscript{nd}/3\textsuperscript{rd} tier at-risk suppliers
- Fully address Sources Sought Notices / include supporting info
- Provide current info on production & sustaining rates after resizing

**Innovation:**
- Flexible production lines
- Identify & mitigate diminishing sources
- Implement Better Buying Power (BBP) 2.0 initiatives

**Opportunities:**
- Direct Commercial Sales (DCS)
- Foreign Military Sales (FMS)
- Standardization of products & specifications
Thank you for your support to the American Soldier.
Back up