Army EOD Future Requirements
2018 Global Explosive Ordnance Disposal (EOD) Symposium & Exhibition

August 14, 2018

Colonel Jonathan Slater
Project Manager
(973) 724-7041
jonathan.b.slater.mil@mail.mil

Mr. William Sanville
Deputy Project Manager
(973) 724-3981
william.j.sanville2.civ@mail.mil
The Best Lethality & Survivability Options for Commanders and Joint Warfighters for Unified Land Operations

STRENGTH IN YOUR HANDS
Picatinny Support to Army EOD

- Advise Army’s JEOD Program Board Member and Action Officer
- Voting Member JEOD Military Technical Acceptance Board (MTAB)
- Represent Army on JEOD Program for Technology
- Approve/Deny Army EOD supportability statements
- Participate in review and generation of JEOD capability Gaps

DISTRIBUTION STATEMENT A: Approved for Public Release; distribution is unlimited. PAO #660-118
Current Capabilities

- X-Ray Apparatus Set, Radiographic Smart Ray Vision (SRV)
- XR200 X-Ray Source
- Decision Support System (DSS) Computer System, Digital
- Tool Kit, Explosive Ordnance, Response kit
- Transmitter, Countermeasure (TCM) AN/PLT-4
- Transmitting Set, Countermeasures (TSC) AN/PLT-5
- Radiac Set, AN/PDX-2
- Small Caliber Dearmer (SCD) MK 38 MOD 0
### Description

The Explosive Ordnance Disposal Vehicle-borne Improvised Explosive Device Blast Overpressure Tool (EODVBOT) is a bulk demolition item designed to “disrupt IEDs located in vehicles” by providing enough blast overpressure to disrupt the firing circuit of an IED while simultaneously releasing a fire retarding agent to allow for the preservation, collection, and analysis of forensic evidence.

### Key Milestones/Activities

- 1200 munitions currently stored with the Navy to transfer to Army Depot
- Technical Data Package (TDP) used for solicitation
- Market Survey should be posted to FBO on 6 Aug
- TC/MR scheduled for 4th QTR FY21
- Army may accelerate program and buy out the requirement in 2020

### Funding Budget Profile

<table>
<thead>
<tr>
<th>Customer</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPA Equip</td>
<td>$</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Qty</td>
<td>0</td>
<td>0</td>
<td>369</td>
<td>1590</td>
<td>2175</td>
<td>2175</td>
<td>6309</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPA Mod In Svc</td>
<td>$</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Qty</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>$ 0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Qty</td>
<td>0</td>
<td>0</td>
<td>369</td>
<td>1590</td>
<td>2175</td>
<td>2175</td>
<td>6309</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Render Safe Sets Kits and Outfits (RS SKO)

Description

Equips EOD teams with; low light visual augmentation system, electronic countermeasures, buried IED detection, dismounted X-ray imager, X-ray generator, trace detection (explosives, CBRN, and drugs), unmanned aerial system, power management, gamma and neutron search and detection, render safe initiation.

Key Milestones/Activities

- Total requirement for 176 kits
- CPD approval Jul 18
- MDD delegation decision 2nd QTR 19
- IOC 2021

Funding Budget Profile

<table>
<thead>
<tr>
<th>Customer</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Proc $</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Qty</td>
<td>9</td>
<td>18</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td>43</td>
</tr>
<tr>
<td>OCO $</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Qty</td>
<td>44</td>
<td>45</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td>133</td>
</tr>
<tr>
<td>Total</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>
## Enhanced Robotic Payloads
### Render Safe (ERP-RS)

### Description

- **Multi shot disruptor**
  - Uses standard PAN ammunition
  - 8 slug shots or 7 water shots

- **Precision aiming module**
  - Capable of fine movement
  - Manipulator arm has 4 degrees of freedom

- **Dual arm manipulation**
  - Capable of gripping and opening zippers, clasps, pad locks, car doors and unscrewing bottle caps
  - Capable of picking up 90 pounds and carrying the object for 100 meters on level ground
  - Capable of picking up 12 pounds at full extension

### Key Milestones/ Activities

- Compete in POM21-25
- Low Rate Production begins FY24
- Initial Operational Capability FY25
- Full Rate Production beginning FY25
- Full Operational Capability FY29 at 533 systems

### Funding Budget Profile

<table>
<thead>
<tr>
<th>Customer</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDT&amp;E</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>TBD</td>
</tr>
<tr>
<td>Proc</td>
<td>0.0</td>
<td>0.0</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Qty</td>
<td>0</td>
<td>0</td>
<td>53</td>
<td>120</td>
<td>120</td>
<td>293</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCO</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Qty</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

DISTRIBUTION STATEMENT A: Approved for Public Release; distribution is unlimited, PAO #660-118