A. Mission Description and Budget Item Justification

This program provides for the development of key identification features and safety information used by Joint Service EOD personnel when performing their mission of detecting, locating, accessing, identifying, Render-Safe/Neutralize, and disposing or recovery of both foreign and domestic Unexploded Explosive Ordnance (UXO), Improvised Explosive Devices (IED), and Weapons of Mass Destruction (WMD) that pose a threat to military operations, installations, personnel, and materials.

In addition, EOD Render-Safe Procedures (RSP) of foreign ordnance and other explosive hazards must be developed as soon as possible after gaining knowledge of its existence. This effort requires acquisition, exploitation, and analysis of the foreign ordnance prior to the development of EOD procedures.

The program also provides for the development and evaluation of prototypical EOD Tier Two solutions sets for threats identified in the National Response Framework. This effort provides resources essential to the Foreign Threat Mine Acquisition/Exploitation (FTMA/E) program that includes; acquisition, inert certification, intelligence and operational exploitation, analysis, procedure development, and disposition of the highest priority foreign threat naval mines.

As defined in DOD Directive 5160.62, assigns the Secretary of the Navy (SECNAV) the responsibility of Single Manager for Explosive Ordnance Disposal (EOD) Technology and Training (T&T). The Executive Manager for EODT&T is to provide for the preparation, technical development, validation, Joint Service approval, and distribution of all EOD procedures and countermeasures to include; publications, manuals, bulletins, texts, and graphic aids.

This program is a non-acquisition program (without traditional acquisition milestones) with on-going, continuous delivery of urgent and periodic documented procedures and publications for mines, ordnance items, weapons systems, Improvised Explosive Devices, Weapons of Mass Destruction, and related explosive hazards.
### B. Program Change Summary ($ in Millions)

<table>
<thead>
<tr>
<th></th>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019 Base</th>
<th>FY 2019 OCO</th>
<th>FY 2019 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous President's Budget</td>
<td>7.369</td>
<td>7.561</td>
<td>7.223</td>
<td>-</td>
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<tr>
<td>Current President's Budget</td>
<td>7.369</td>
<td>7.561</td>
<td>7.107</td>
<td>-</td>
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<tr>
<td>Total Adjustments</td>
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<td>0.000</td>
<td>-0.116</td>
<td>-</td>
<td>-0.116</td>
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</tbody>
</table>

- Congressional General Reductions: -
- Congressional Directed Reductions: -
- Congressional Rescissions: -
- Congressional Adds: -
- Congressional Directed Transfers: -
- Reprogrammings: -
- SBIR/STTR Transfer: -
- Rate/Misc Adjustments: 0.000

**Change Summary Explanation**

Program Adjustments: reduced $116K for Other Rate/Misc Adjustments (MISC).
Technical: Not applicable.

Schedule: Not applicable.
**A. Mission Description and Budget Item Justification**

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**B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)**

<table>
<thead>
<tr>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019 Base</th>
<th>FY 2019 OCO</th>
<th>FY 2019 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Articles:</td>
<td>2.988</td>
<td>2.660</td>
<td>2.796</td>
<td>0.000</td>
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</tbody>
</table>

**FY 2018 Plans:**

Identify, analyze, exploit, and reverse engineer foreign and domestic conventional ordnance, munitions, weapons systems, and their associated explosive hazards, for the purpose of developing and or updating EOD render-safe and disposal procedures.

**FY 2019 Base Plans:**

Develop specific Explosive Ordnance Disposal (EOD) Technical Manuals which include the identification features, functionality, hazardous components, safeties and warnings, Render Safe and Disposal procedures, for...
**B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)**

<table>
<thead>
<tr>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019 Base</th>
<th>FY 2019 OCO</th>
<th>FY 2019 Total</th>
</tr>
</thead>
</table>

**U.S. and foreign ordnance items. Technical Manual development through the analysis, exploitation, and reverse engineering of these ordnance items.**

**FY 2019 OCO Plans:**
N/A

**FY 2018 to FY 2019 Increase/Decrease Statement:**
No significant change from FY 2018 to FY 2019.

**Title:** Improvised Explosive Device (IED), Weapons of Mass Destruction (WM) Countermeasures

**Articles:** 1.805 2.338 1.839 0.000 1.839

**FY 2018 Plans:**
Analyze and exploit IEDs and WMDs (to include chemical, biological, radiological, or nuclear weapons) threats for the purpose of developing and or updating EOD countermeasures and procedures to neutralize the threat.

**FY 2019 Base Plans:**
Develop Tactics, Techniques, and Procedures (TTP), and EOD Technical Manuals to counter Improvised Explosive Devices (IED), conventional and homemade explosive materials and their precursors, and Chemical, Biological, Nuclear, and Radiological (CBRN) agents and dispersal devices (both improvised and conventional). Additionally, develop Special Weapons Operation Publications (SWOP) publications as part of the Joint Nuclear Weapons Publication System (JNWPS) process.

**FY 2019 OCO Plans:**
N/A

**FY 2018 to FY 2019 Increase/Decrease Statement:**
Decrease from FY18 to FY19 is in accordance with planned program profile.

**Title:** Foreign Mine Acquisition

**Articles:** 2.576 2.563 2.472 0.000 2.472

**FY 2018 Plans:**
Acquire high priority foreign threat naval mines for analysis and exploitation in support of development of EOD countermeasure procedures.

**FY 2019 Base Plans:**
B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)

Acquire foreign mines and mine related materials as prioritized by Foreign Mine Planning Group (FMPG) to support development of U.S. Navy countermeasures for these items and development of EOD Technical Manuals.

FY 2019 OCO Plans:
N/A

FY 2018 to FY 2019 Increase/Decrease Statement:
No significant change from FY 2018 to FY 2019.

Accomplishments/Planned Programs Subtotals

<table>
<thead>
<tr>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019 Base</th>
<th>FY 2019 OCO</th>
<th>FY 2019 Total</th>
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<tr>
<td>7.369</td>
<td>7.561</td>
<td>7.107</td>
<td>0.000</td>
<td>7.107</td>
</tr>
</tbody>
</table>

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

This is a non-acquisition program.

E. Performance Metrics

Analyzed and exploited foreign and domestic ordnance resulting in the development of 3,850 ordnance and weapons systems publications providing essential identification features, functioning characteristics, safety information and other EOD specific technical information to include 39 validated Render-Safe and Disposal procedures. Additionally, 400 Improvised Explosive Device (IED) and 117 Weapons of Mass Destruction (WMD) publications were developed or updated which included the development and validation of 6 EOD specific Render-Safe/Neutralization procedures.
## Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy

**Appropriation/Budget Activity:** 1319 / 5  
**R-1 Program Element (Number/Name):** PE 0604654N / JT Service EOD  
**Project (Number/Name):** 1829 / Expl Ord Disp Proc

### Product Development ($ in Millions)

<table>
<thead>
<tr>
<th>Cost Category Item</th>
<th>Contract Method &amp; Type</th>
<th>Performing Activity &amp; Location</th>
<th>Prior Years</th>
<th>FY 2017 Cost</th>
<th>FY 2017 Award Date</th>
<th>FY 2018 Cost</th>
<th>FY 2018 Award Date</th>
<th>FY 2019 Base Cost</th>
<th>FY 2019 Award Date</th>
<th>FY 2019 OCO Cost</th>
<th>FY 2019 Total Cost</th>
<th>FY 2019 Cost To Complete</th>
<th>Total Cost</th>
<th>Target Value of Contract</th>
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</thead>
<tbody>
<tr>
<td>Special Mission OCO</td>
<td>WR</td>
<td>EODTD : Indian Head, MD</td>
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<td>0.000</td>
<td>Nov 2017</td>
<td>0.000</td>
<td>Nov 2018</td>
<td></td>
<td></td>
<td>0.000</td>
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<tr>
<td>Ordnance and Weapons Systems Procedures Development</td>
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<td>Foreign Mine Acquisition</td>
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<tr>
<td>Program Management Personnel</td>
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<td>EODTD : Indian Head, MD</td>
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<tr>
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<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td><strong>299.803</strong></td>
<td><strong>7.369</strong></td>
<td></td>
<td><strong>7.561</strong></td>
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<td><strong>7.107</strong></td>
<td></td>
<td></td>
<td><strong>7.107</strong></td>
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</table>

### Project Cost Totals

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019 Base</th>
<th>FY 2019 OCO</th>
<th>FY 2019 Total</th>
<th>Cost To Complete</th>
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<td><strong>Subtotal</strong></td>
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<td>7.561</td>
<td>7.107</td>
<td><strong>7.107</strong></td>
<td><strong>Continuing</strong></td>
<td><strong>Continuing</strong></td>
<td>N/A</td>
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</tbody>
</table>

### Remarks
### JT Service EOD

System Development: Ordnance and Weapons Systems Procedures Development

System Development: Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures
### Schedule Details

<table>
<thead>
<tr>
<th>JT Service EOD</th>
<th>Start</th>
<th>End</th>
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</thead>
<tbody>
<tr>
<td>System Development: Ordnance and Weapons Systems Procedures Development</td>
<td>Quarter 1, Year 2017</td>
<td>Quarter 4, Year 2023</td>
</tr>
<tr>
<td>System Development: Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures</td>
<td>Quarter 1, Year 2017</td>
<td>Quarter 4, Year 2023</td>
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