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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy **Date:** February 2016

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| Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i> | R-1 Program Element (Number/Name) PE 0604654N / JT Service EOD |
|--|--|

| COST (\$ in Millions) | Prior Years | FY 2015 | FY 2016 | FY 2017 Base | FY 2017 OCO | FY 2017 Total | FY 2018 | FY 2019 | FY 2020 | FY 2021 | Cost To Complete | Total Cost |
|---------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element | 282.702 | 8.978 | 8.123 | 7.369 | - | 7.369 | 7.579 | 7.192 | 7.496 | 7.602 | Continuing | Continuing |
| 1829: <i>Expl Ord Disp Proc</i> | 282.702 | 8.978 | 8.123 | 7.369 | - | 7.369 | 7.579 | 7.192 | 7.496 | 7.602 | Continuing | Continuing |

A. Mission Description and Budget Item Justification

DOD Directive 5160.62 assigned to the Secretary of the Navy (SECNAV) the responsibility of Single Manager for Explosive Ordnance Disposal (EOD) Technology and Training (T&T). It also assigns to the Executive Manager for EODT&T the responsibility to provide for technical development, validation, preparation, Joint Service approval, and distribution of all EOD procedures texts, graphic aids, manuals, and bulletins. This program provides for the development of validated EOD render-safe procedures (RSPs), key identification features, and safety information used by EOD personnel in all four military services when performing their mission of rendering safe and disposing of both domestic and foreign explosive ordnance and Improvised Explosive Devices (IEDs) that pose a threat to military operations, installations, personnel, and materials. In addition, EOD render-safe procedures for foreign ordnance must be developed as soon as possible after gaining knowledge of its existence. This effort requires exploitation and analysis of the foreign ordnance prior to development of the 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 also provides resources necessary for the Foreign Threat Mine Acquisition/Exploitation (FTMA/E) program. This effort includes acquisition, inert certification, intelligence and operational exploitation, analysis, procedure development, and disposition of the highest priority foreign threat naval mines.

This program is a non-acquisition program (without traditional acquisition milestones) with on-going, continuous delivery of urgent and periodic documented procedures and identification guides.

| B. Program Change Summary (\$ in Millions) | FY 2015 | FY 2016 | FY 2017 Base | FY 2017 OCO | FY 2017 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 8.985 | 8.123 | 9.962 | - | 9.962 |
| Current President's Budget | 8.978 | 8.123 | 7.369 | - | 7.369 |
| Total Adjustments | -0.007 | 0.000 | -2.593 | - | -2.593 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | -0.007 | 0.000 | | | |
| • Program Adjustments | 0.000 | 0.000 | -4.700 | - | -4.700 |
| • Rate/Misc Adjustments | 0.000 | 0.000 | 2.107 | - | 2.107 |

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Change Summary Explanation

Decrease in Joint Service EOD by \$305 thousand as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

Program Adjustments: Total Adjustments \$2.593M to Joint Service EOD.

Technical: Not applicable.

Schedule: Not applicable.

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| Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy | | | | | | | | | | Date: February 2016 | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | R-1 Program Element (Number/Name) PE 0604654N / JT Service EOD | | | | Project (Number/Name) 1829 / Expl Ord Disp Proc | | | |
| COST (\$ in Millions) | Prior Years | FY 2015 | FY 2016 | FY 2017 Base | FY 2017 OCO | FY 2017 Total | FY 2018 | FY 2019 | FY 2020 | FY 2021 | Cost To Complete | Total Cost |
| 1829: Expl Ord Disp Proc | 282.702 | 8.978 | 8.123 | 7.369 | - | 7.369 | 7.579 | 7.192 | 7.496 | 7.602 | Continuing | Continuing |
| Quantity of RDT&E Articles | | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

DOD Directive 5160.62 assigned to the Secretary of the Navy (SECNAV) the responsibility of Single Manager for Explosive Ordnance Disposal (EOD) Technology and Training (T&T). It also assigns to the Executive Manager for EODT&T the responsibility to provide for technical development, validation, preparation, Joint Service approval, and distribution of all EOD procedures texts, graphic aids, manuals, and bulletins. This program provides for the development of validated EOD render-safe procedures (RSPs), key identification features, and safety information used by EOD personnel in all four military services when performing their mission of rendering safe and disposing of both domestic and foreign explosive ordnance and Improvised Explosive Devices (IEDs) that pose a threat to military operations, installations, personnel, and materials. In addition, EOD render-safe procedures for foreign ordnance must be developed as soon as possible after gaining knowledge of its existence. This effort requires exploitation and analysis of the foreign ordnance prior to development of the 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 also provides resources necessary for the Foreign Threat Mine Acquisition/Exploitation (FTMA/E) program. This effort includes acquisition, inert certification, intelligence and operational exploitation, analysis, procedure development, and disposition of the highest priority foreign threat naval mines.

This program is a non-acquisition program (without traditional acquisition milestones) with on-going, continuous delivery of urgent and periodic documented procedures and identification guides.

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

| | FY 2015 | FY 2016 | FY 2017 Base | FY 2017 OCO | FY 2017 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Title: Render-Safe Procedures (RSP) Development | 3.837 | 3.420 | 2.988 | 0.000 | 2.988 |
| Articles: | - | - | - | - | - |
| FY 2015 Accomplishments: Exploited and analyze high priority foreign threat ordnance items, and develop render-safe procedures for new domestic and foreign ordnance for the EOD community. | | | | | |
| FY 2016 Plans: Identify, reverse engineer, analyze and exploit ordnance items for the purpose of developing and or updating EOD render-safe procedures. | | | | | |
| FY 2017 Base Plans: Identify, reverse engineer, analyze, and exploit prioritized ordnance items for the purpose of developing EOD render safe procedures. | | | | | |
| FY 2017 OCO Plans: | | | | | |

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|--|--|---|

| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | FY 2015 | FY 2016 | FY 2017 Base | FY 2017 OCO | FY 2017 Total |
|--|----------------|----------------|-------------------------|------------------------|--------------------------|
| N/A | | | | | |
| <p>Title: Improved Nuclear Device (IND) Countermeasures</p> <p align="right">Articles:</p> <p>FY 2015 Accomplishments: Developed specialized procedures for EOD response elements to stay ahead of the response to IND and WMD threats.</p> <p>FY 2016 Plans: Analyze and exploit IND and WMD threats. Develop new or updated specialized procedures for EOD response elements and maintain technologies to stay ahead of the evolving IND and WMD threats.</p> <p>FY 2017 Base Plans: Develop and prioritize specialize procedures for EOD response tactics and techniques to stay ahead of the evolving IND and WMD threats.</p> <p>FY 2017 OCO Plans: N/A</p> | 2.738 - | 2.510 - | 1.805 - | 0.000 - | 1.805 - |
| <p>Title: Foreign Mine Acquisition</p> <p align="right">Articles:</p> <p>FY 2015 Accomplishments: Acquired high priority foreign threat naval mines for the purpose of the exploitation and the development of procedures to counter these foreign mines.</p> <p>FY 2016 Plans: Acquire acquisition high priority foreign threat naval mines for analysis and exploitation to support development of countermeasure procedures.</p> <p>FY 2017 Base Plans: Acquire high priority foreign threat naval mines for analysis and exploitation in support of development of EOD countermeasure procedures.</p> <p>FY 2017 OCO Plans: N/A</p> | 2.403 - | 2.193 - | 2.576 - | 0.000 - | 2.576 - |
| Accomplishments/Planned Programs Subtotals | 8.978 | 8.123 | 7.369 | 0.000 | 7.369 |

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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 105 validated render-safe and disassembly procedures and the development of 2,500 procedures providing ordnance key identification features, safety information and other technical details for the Joint Service EOD community. Also developed and validated 250 IED / WMD countermeasures procedures.

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy **Date:** February 2016

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|--|--|---|

| FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |

| | |
|--|--|
| JT Service EOD | |
| System Development: Render Safe Procedures | |
| System Development: IND Countermeasures | |

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

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|--|---|--|

Schedule Details

| Events by Sub Project | Start | | End | |
|--|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| <i>JT Service EOD</i> | | | | |
| System Development: Render Safe Procedures | 1 | 2015 | 4 | 2021 |
| System Development: IND Countermeasures | 1 | 2015 | 4 | 2021 |