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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Navy **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604654N / JNT Service EOD
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	296.687	8.294	8.348	8.618	-	8.618	8.890	9.026	9.207	9.394	Continuing	Continuing
1829: <i>Expl Ord Disp Proc</i>	296.687	8.294	8.348	8.618	-	8.618	8.890	9.026	9.207	9.394	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

This program, aligned with the National Defense Strategy, provides Joint Service Explosive Ordnance Disposal (EOD) and the supported Combatant Commanders with information superiority by providing for the development of Unexploded Explosive Ordnance (UXO), Improvised Explosive Devices (IED), Weapons of Mass Destruction (WMD), and weapons systems Technical Manuals (TMs). TMs, which provide key identification features, hazardous materials, and safety information, are paramount to the success of EOD Mission to detect, locate, access, identify, Render Safe/Neutralize, and dispose or recover both foreign and domestic explosive threats that pose a threat to military operations, installations, personnel, and materials.

In addition, EOD Render Safe Procedures (RSP) and Disposal Procedures must be developed prior to fielding in the case of U.S. weapons and ordnance and as soon as possible after gaining knowledge of existence as it pertains to foreign ordnance and other explosive threats. These efforts require collection, exploitation, and analysis of the ordnance items and associated components, e.g., fuzing, prior to the development of EOD procedures.

As defined in DOD Directive 5160.62, assigns the Secretary of the Navy (SECNAV) the responsibility of Executive Agent for Explosive Ordnance Disposal (EOD) Technology and Training (T&T). The Executive Agent for EOD T&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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	8.346	8.348	0.000	-	0.000
Current President's Budget	8.294	8.348	8.618	-	8.618
Total Adjustments	-0.052	0.000	8.618	-	8.618
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.052	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

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• Adjustments to Budget Year	-	-	8.618	-	8.618
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**Change Summary Explanation**

FY 2021: SBIR -\$0.052M  
 FY 2022: N/A  
 FY 2023: N/A  
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FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Navy										<b>Date:</b> April 2022		
<b>Appropriation/Budget Activity</b> 1319 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604654N / JNT Service EOD				<b>Project (Number/Name)</b> 1829 / Expl Ord Disp Proc			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
1829: <i>Expl Ord Disp Proc</i>	296.687	8.294	8.348	8.618	-	8.618	8.890	9.026	9.207	9.394	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

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In addition, EOD Render Safe Procedures (RSP) and Disposal Procedures must be developed prior to fielding in the case of U.S. weapons and ordnance and as soon as possible after gaining knowledge of existence as it pertains to foreign ordnance and other explosive threats. These efforts require collection, exploitation, and analysis of the ordnance items and associated components, e.g., fuzing, prior to the development of EOD procedures.

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

	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
<b>Title:</b> Render-Safe Procedures Development	7.015	7.535	7.982	0.000	7.982
<b>Articles:</b>	-	-	-	-	-
<b>FY 2022 Plans:</b> Render Safe Procedures Development will continue to expand source data for EOD Technical Manuals, both new and updated materials on foreign ordnance, weapons, and other explosive threats for use by the Joint Service EOD community. Funding also supports periodic reviews to develop testing and ensures configuration changes to items and validation procedures are updated.					
<b>FY 2023 Base Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Navy		<b>Date:</b> April 2022
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604654N / JNT Service EOD	<b>Project (Number/Name)</b> 1829 / Expl Ord Disp Proc

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
<p>Render Safe Procedures Development will continue to expand source data for EOD Technical Manuals, both new and updated materials on foreign ordnance, weapons, and other explosive threats for use by the Joint Service EOD community. Funding also supports periodic reviews to develop testing and ensures configuration changes to items and validation procedures are updated.</p> <p><b>FY 2023 OCO Plans:</b> N/A</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> Services prioritized threats indicate their emphasis is on foreign ordnance for development of new Joint EOD Publications and Render Safe and Disposal procedures. Funding provides for development of new EOD Render Safe and Disposal procedures for foreign ordnance items which are likely to be encountered by Joint EOD during missions and operations around the world; focus is on items collected and recovered originating from the Great Power Competition countries.</p>					
<p><b>Title:</b> Improvised Explosive Device (IED), Weapons of Mass Destruction (WM) Countermeasures</p> <p align="right"><b>Articles:</b></p> <p><b>FY 2022 Plans:</b> Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures program continues to maintain alignment with the National Defense Strategy and provides for the development of Technical Manuals. Data collection, analysis, testing and processing of information will continue to support new manuals and information available for the Joint EOD warfighter encountering IED and WMD materials.</p> <p><b>FY 2023 Base Plans:</b> Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures program continues to maintain alignment with the National Defense Strategy and provides for the development of Technical Manuals. Data collection, analysis, testing and processing of information will continue to support new manuals and information available for the Joint EOD warfighter encountering IED and WMD materials.</p> <p><b>FY 2023 OCO Plans:</b> N/A</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> Improvised Explosive Devices and Weapons of Mass Destruction represent enduring threats to the Joint force. Joint EOD must be prepared to mitigate the hazards associated with these threats. While not the prominent</p>	0.879 -	0.813 -	0.636 -	0.000 -	0.636 -

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
threat to Joint EOD, funding provides for the development and dissemination of critical hazard identification and procedures to neutralize these threats.					
<b>Title:</b> Foreign Mine Acquisition	0.400	0.000	0.000	0.000	0.000
<b>Articles:</b>	-	-	-	-	-
<b>FY 2022 Plans:</b> N/A					
<b>FY 2023 Base Plans:</b> N/A					
<b>FY 2023 OCO Plans:</b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	8.294	8.348	8.618	0.000	8.618

**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**Remarks**

**D. Acquisition Strategy**  
This is a non-acquisition program.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy** **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604654N / JNT Service EOD	<b>Project (Number/Name)</b> 1829 / Expl Ord Disp Proc
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<b>Product Development (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Ordnance and Weapons Systems Procedures Development	WR	NSWCIHEODTD : Indian Head, MD	200.758	7.015	Nov 2020	7.535	Nov 2021	7.982	Oct 2022	-		7.982	Continuing	Continuing	Continuing
Improvised Explosive Device {IED}, Weapons of Mass Destruction {WMD} Countermeasures	WR	NSWCIHEODTD : Indian Head, MD	58.309	0.500	Nov 2020	0.813	Nov 2021	0.636	Oct 2022	-		0.636	Continuing	Continuing	Continuing
Improvised Explosive Device {IED}, Weapons of Mass Destruction {WMD} Countermeasures	WR	Sandia DOE : Albuquerque, NM	0.770	0.303	Nov 2020	0.000		0.000		-		0.000	0.000	1.073	-
Foreign Mine Acquisition	WR	NSWCIHEODTD : Indian Head, MD	18.638	0.400	Nov 2020	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Miscellaneous	WR	NSWCIHEODTD : Indian Head, MD	17.862	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			296.337	8.218		8.348		8.618		-		8.618	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Personnel	WR	NSWCIHEODTD : Indian Head, MD	0.350	0.076	Oct 2020	0.000		0.000		-		0.000	0.000	0.426	-
<b>Subtotal</b>			0.350	0.076		0.000		0.000		-		0.000	0.000	0.426	N/A

	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>		296.687	8.294	8.348	8.618	8.618	Continuing	Continuing	N/A

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy** **Date:** April 2022

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604654N / JNT Service EOD	<b>Project (Number/Name)</b> 1829 / Expl Ord Disp Proc
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FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

<b>JT Service EOD</b>	
System Development: Ordnance and Weapons Systems Procedures Development	
System Development: Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures	

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2023 Navy **Date:** April 2022

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>JT Service EOD</b>				
System Development: Ordnance and Weapons Systems Procedures Development	1	2021	4	2027
System Development: Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures	1	2021	4	2027