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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy **Date:** February 2018

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
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COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	299.803	7.369	7.561	7.107	-	7.107	7.416	7.537	7.696	7.853	Continuing	Continuing
1829: <i>Expl Ord Disp Proc</i>	299.803	7.369	7.561	7.107	-	7.107	7.416	7.537	7.696	7.853	Continuing	Continuing

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.

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Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0604654N / JT Service EOD			
B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	7.369	7.561	7.223	-	7.223
Current President's Budget	7.369	7.561	7.107	-	7.107
Total Adjustments	0.000	0.000	-0.116	-	-0.116
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	-0.116	-	-0.116
Change Summary Explanation					
Program Adjustments: reduced \$116K for Other Rate/Misc Adjustments (MISC).					
Technical: Not applicable.					
Schedule: Not applicable.					

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy										Date: February 2018		
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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
1829: Expl Ord Disp Proc	299.803	7.369	7.561	7.107	-	7.107	7.416	7.537	7.696	7.853	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Render-Safe Procedures Development	2.988	2.660	2.796	0.000	2.796
Articles:	-	-	-	-	-
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					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
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:						

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
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		7.369	7.561	7.107	0.000	7.107
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.						

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy												Date: February 2018			
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)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Foreign Mine Acquisition	WR	NSWCPC : PANAMA CITY, FL	10.201	2.556	Nov 2016	2.164	Nov 2017	1.984	Nov 2018	-		1.984	Continuing	Continuing	Continuing
Special Mission OCO	WR	EODTD : Indian Head, MD	3.500	0.000		0.000		0.000		-		0.000	0.000	3.500	-
Ordnance and Weapons Systems Procedures Development	WR	EODTD : Indian Head, MD	189.474	2.738	Nov 2016	2.660	Nov 2017	2.709	Nov 2018	-		2.709	Continuing	Continuing	Continuing
Improvised Explosive Device {IED}, Weapons of Mass Destruction {WMD} Countermeasures	WR	EODTD : Indian Head, MD	51.669	1.555	Nov 2016	2.131	Nov 2017	1.829	Nov 2018	-		1.829	Continuing	Continuing	Continuing
Foreign Mine Acquisition	WR	ONI : Suitland, MD	23.430	0.020	Nov 2016	0.025	Nov 2017	0.005	Nov 2018	-		0.005	Continuing	Continuing	Continuing
Program Management Personnel	WR	EODTD : Indian Head, MD	4.690	0.250	Nov 2016	0.275	Oct 2017	0.280	Nov 2018	-		0.280	Continuing	Continuing	Continuing
Miscellaneous	WR	EODTD : Indian Head, MD	16.839	0.250	Nov 2016	0.306	Nov 2017	0.300	Nov 2018	-		0.300	Continuing	Continuing	Continuing
Subtotal			299.803	7.369		7.561		7.107		-		7.107	Continuing	Continuing	N/A
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			299.803	7.369		7.561		7.107		-		7.107	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy										Date: February 2018			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
1319 / 5					PE 0604654N / JT Service EOD					1829 / Expl Ord Disp Proc			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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: 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 2019 Navy			Date: February 2018
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>JT Service EOD</i>				
System Development: Ordnance and Weapons Systems Procedures Development	1	2017	4	2023
System Development: Improvised Explosive Device (IED), Weapons of Mass Destruction (WMD) Countermeasures	1	2017	4	2023