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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Threat Reduction Agency **Date:** April 2022

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 2: Applied Research</i>	R-1 Program Element (Number/Name) PE 0602134BR / <i>Improvised Threat Reduction Applied Research</i>
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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	0.502	3.699	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.201
JC: <i>Enable Rapid Capability Delivery</i>	0.502	1.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.752
RA: <i>CWMD Cross-Cutting Technical and Information Sciences</i>	0.000	2.449	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.449

A. Mission Description and Budget Item Justification

The Defense Threat Reduction Agency (DTRA) Improvised Threat Reduction Applied Research program element (PE) funds technology outreach to produce studies that will drive earlier understanding of technologies and scientific theories for future programs to enhance the Department of Defense's ability to effectively counter asymmetric threats. Asymmetric threats are characterized by an environment in which an adversary employs a combination of conventional weapons, irregular tactics, and/or terrorism to obtain their objectives. The end-state of the PE is to evaluate the feasibility and practicality of research projects, taking the most promising proposals and translating them into practical prototypes for use against asymmetric threats.

Activities within this PE are driven by efforts to understand, anticipate, illuminate, isolate, and enable timely research that hastens the development of new capabilities for countering global asymmetric threats and emerging technologies.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>
Previous President's Budget	3.699	0.000	0.000	0.000	0.000
Current President's Budget	3.699	0.000	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

There is no change from the previous President's Budget.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Threat Reduction Agency **Date:** April 2022

Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602134BR / <i>Improvised Threat Reduction Applied Research</i>	Project (Number/Name) JC / <i>Enable Rapid Capability Delivery</i>
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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
JC: <i>Enable Rapid Capability Delivery</i>	0.502	1.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.752

A. Mission Description and Budget Item Justification

The Defense Threat Reduction Agency (DTRA) takes a deliberate, structured, and proactive approach to meet future capability gaps and requirements through continuous study. DTRA enables DoD, the U.S. Government, and International Partners to counter and deter Weapons of Mass Destruction and emerging threats. The mission is embodied in three capability areas: understand the environment, threats, and vulnerabilities; control, defeat, disable, and dispose of WMD and asymmetric threats; and safeguard the force and manage consequences.

Activities within this project are driven by current and anticipated asymmetric threats. The applied research enables the understanding and shaping of new theories and development of new technologies in support of Combatant Commands and the DoD. The applied research will drive programmatic action to anticipate, illuminate, isolate, and mitigate asymmetric threats.

This project investigates emerging threat technologies as well as developing analysis support tools that identify emergent capability requirements and associated gaps. It provides timely acquisition and delivery of solutions to address evolving threats.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: JC: Enable Rapid Capability Delivery	1.250	0.000	0.000	0.000	0.000
Description: This project assesses current and emerging technologies that address the evolving asymmetric threat environment.					
FY 2022 Plans: N/A					
FY 2023 Base Plans: N/A					
FY 2023 OCO Plans: N/A					
FY 2022 to FY 2023 Increase/Decrease Statement: No change. Project activities are complete.					
Accomplishments/Planned Programs Subtotals	1.250	0.000	0.000	0.000	0.000

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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>			<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• 33/0603134BR/JC: <i>Counter Improvised-Threat Simulation</i>	3.861	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.861
• 98/0604134BR/JC: <i>Counter Improvised-Threat Technology Demonstration, Prototype Development, and Testing</i>	11.491	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.491

Remarks

D. Acquisition Strategy

Competitive selection of most appropriate performers to fulfill science and technology development needs.

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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
RA: <i>CWMD Cross-Cutting Technical and Information Sciences</i>	0.000	2.449	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.449

A. Mission Description and Budget Item Justification

This project manages Countering Weapons of Mass Destruction (CWMD) community studies, strategic dialogues, and tabletop exercises to provide insights into emerging threats and future challenges to DTRA, DoD, and the warfighter. It delivers operationally relevant, credible, timely, and actionable recommendations to inform future operations, activities, and investments in support of countering weapons of mass destruction. In FY 2021, this project sponsored strategic research into weapons of mass destruction (WMD) trends and emerging science and technology that are anticipated to shape the future battlespace and require changes to DTRA's prioritization and/or focus. This project supported international dialogues with allies and partners, strategic studies not otherwise covered in the extant literature, and the development/delivery of experiential learning table top exercises to DTRA and the CWMD community. These sponsored activities produced custom recommendations DTRA, DoD, and the USG can use to mitigate the adverse effects of WMD challenges.

Additionally, funding in this project provides for support to optimize organizational policy development, decision making, research and development project management, engineering and technical analysis, and other professional support services to improve the effectiveness of program processes, procedures, and outcomes.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: CWMD Cross-Cutting Technical and Information Sciences	2.449	0.000	0.000	0.000	0.000
Description: This project manages Countering Weapons of Mass Destruction (CWMD) community studies, strategic dialogues, and tabletop exercises to provide insights into emerging threats and future challenges to DTRA, DoD, and the warfighter.					
FY 2022 Plans: N/A					
FY 2023 Base Plans: N/A					
FY 2023 OCO Plans: N/A					
FY 2022 to FY 2023 Increase/Decrease Statement:					

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
No change. Project activities are complete.					
Accomplishments/Planned Programs Subtotals	2.449	0.000	0.000	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• 25/0602718BR: <i>Counter Weapons of Mass Destruction Applied Research</i>	36.288	48.112	32.670	0.000	32.670	39.918	40.914	32.639	33.543	Continuing	Continuing
• 34/0603160BR: <i>Counter Weapons of Mass Destruction Advanced Technology Development</i>	50.959	84.660	78.991	0.000	78.991	84.775	86.706	84.214	84.684	Continuing	Continuing
• 98/0604134BR: <i>Counter Improvised- Threat Technology Demonstration, Prototype Development</i>	6.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.833
• 105/0604551BR: <i>Catapult</i>	0.000	7.166	7.130	0.000	7.130	7.328	7.475	7.625	7.777	Continuing	Continuing
• 159/0605502BR: <i>Small Business Innovation Research</i>	14.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A