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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Threat Reduction Agency **Date:** May 2021

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)</i>	PE 0603134BR / <i>Counter Improvised-Threat Simulation</i>											
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	37.014	49.528	3.861	0.000	-	0.000	-	-	-	-	-	-
JC: <i>Enable Rapid Capability Delivery</i>	37.014	49.528	3.861	0.000	-	0.000	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Defense Threat Reduction Agency (DTRA) advanced technology development program element funds the assessment, analysis, experimentation, evaluation, and testing of systems to counter asymmetric threats to determine feasibility for prototyping, spiral development, Program of Record investment and potential for immediate fielding.

Understanding asymmetric threats is the driving force behind DTRA's deliberate, structured, and proactive approach to understanding, anticipating, illuminating, isolating, and/or mitigating threats through identified needs. DTRA is working to bring concepts and theories forward to assist and hasten the development of subsystems and components along with integration into prototypes for field experiments and/or laboratory tests.

B. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	49.528	3.861	59.179	-	59.179
Current President's Budget	49.528	3.861	0.000	-	0.000
Total Adjustments	0.000	0.000	-59.179	-	-59.179
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Realignment	0.000	0.000	-59.179	-	-59.179

Change Summary Explanation

The decrease in FY 2022 from the previous President's Budget is due to 1) the realignment of resources from Project JC - Enable Rapid Capability Delivery in this program element to Project RA - CWMD Cross-Cutting Technical and Information Sciences in PE 0603160BR for technology-driven CWMD capability development and evaluation activities to develop cross cutting innovative and agile new technologies that more effectively counter the full spectrum of weapons of mass destruction, by anticipating new threats while responding to current and constantly evolving threats, 2) the realignment of resources from Project JC - Enable Rapid Capability Delivery to Project RG - Counter WMD Technologies and Capabilities Development in PE 0603160BR to enable rapid capability delivery activities, and 3) the realignment of resources from Projects JC - Enable Rapid Capability Delivery to Project RR - Counter WMD Test and Evaluation in PE

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)</i>	R-1 Program Element (Number/Name) PE 0603134BR / <i>Counter Improvised-Threat Simulation</i>	
0603160BR to more effectively align Agency support of COCOM and Military Department testing and evaluation (T&E) efforts and to facilitate the transition of CWMD capabilities into the next stage of development.		

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Threat Reduction Agency										Date: May 2021		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0603134BR / Counter Improvised-Threat Simulation				Project (Number/Name) JC / Enable Rapid Capability Delivery			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
JC: Enable Rapid Capability Delivery	37.014	49.528	3.861	0.000	-	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This project is driven by current and projected threat activities. It enables the timely validation, resourcing, applied research and prototype development and delivery to counter threats that continue to impact US forces. The project supports the evaluation of integrated technologies or prototype systems in a realistic environment to counter asymmetric threats.

DTRA performs experiments and modeling and simulations in the pursuit of advanced technology development. The outcomes of these experiments are incorporated into new or existing prototypes to enhance system performance while reducing cost.

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

	FY 2020	FY 2021	FY 2022
Title: JC: Enable Rapid Capability Delivery	49.528	3.861	0.000
Description: This project employs technology development, modeling-and-simulation, and analysis support tools to meet Combatant Command requirements and anticipated threats. DTRA provides timely acquisition and delivery of solutions that respond to asymmetric threat requirements and gaps.			
FY 2021 Plans:			
- Develop 12 acquisition threat signal packages for databases with hardware and software implementation plans to update current capabilities across the Combatant Commands, ensuring a more robust capability response to asymmetric threats.			
- Conduct two evaluation events to verify and analyze threat signal inputs to improve ability of capabilities to counter asymmetric threat networks.			
FY 2022 Plans:			
N/A			
FY 2021 to FY 2022 Increase/Decrease Statement:			

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Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603134BR / <i>Counter Improvised-Threat Simulation</i>	Project (Number/Name) JC / <i>Enable Rapid Capability Delivery</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
The decrease from FY 2021 to F Y2022 is due to the realignment of resources from Project JC - Enable Rapid Capability Delivery to Projects RA - CWMD Cross-Cutting Technical and Information Sciences, RG - Counter WMD Technologies and Capabilities Development, and RR - Counter WMD Test and Evaluation in PE 0603160BR.			
Accomplishments/Planned Programs Subtotals	49.528	3.861	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• 11/0602134BR/JC: <i>Counter Improvised-Threat Advanced Studies</i>	0.502	2.500	0.000	-	0.000	-	-	-	-	-	-
• 100/0604134BR/JC: <i>Counter Improvised-Threat Technology Demonstration, Prototype Development, and Testing</i>	103.793	9.841	0.000	-	0.000	-	-	-	-	-	-

Remarks

D. Acquisition Strategy

Competitive selection to determine the optimal performer who can produce a viable deliverable within schedule and budget constraints.