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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)</i>	R-1 Program Element (Number/Name) PE 0303310D8Z I <i>Countering Weapons of Mass Destruction (CWMD) Systems: Advanced Technology Development</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	224.279	25.619	28.907	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
004: <i>CWMD Systems: Advanced Technology Development</i>	224.279	25.619	28.907	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

In FY 2021, this program was eliminated as a result of the Defense-wide Review.

A. Mission Description and Budget Item Justification

The Countering Weapons of Mass Destruction (CWMD) Systems portfolio aligns with the National Defense Strategy objective of “dissuading, preventing, or deterring state adversaries and non-state actors from acquiring, proliferating, or using weapons of mass destruction.”

The CWMD Systems portfolio enhances warfighter lethality by developing capabilities to analyze and exploit critical nodes of nuclear, chemical, and biological weapons and ballistic missile programs and proliferation networks; and developing offensively-oriented capabilities to disrupt WMD proliferation networks and detect, disable, or defeat WMD and delivery systems. Investments result in capabilities fielded to the Joint Force, enabling it to reduce WMD threats and create options for the United States to prevent WMD use.

The Office of the Secretary of Defense uses the CWMD Systems portfolio to invest strategically in projects across the Military Services, Combatant Commands, and Defense Agencies. Funding is prioritized for projects that close Joint Force warfighter capability gaps. An annual investment strategy is used to meet emergent operational and capability needs submitted by the Joint Force, yielding new fielded capabilities within one to two years.

The CWMD Systems: Advanced Technology Development program invested in innovative technologies and non-materiel initiatives, accelerating development of new capabilities to illuminate WMD networks; assessed vulnerabilities in networks, programs, facilities, and weapons systems; and developed technologies to disable or defeat WMD. Funding also sponsors research, analyses, and table-top exercises related to countering WMD proliferation by government and non-government organizations.

This appropriation funded labor, materials, and travel to support the requirements of this program, performed by a government agency or by private individuals or organizations under a contract with the government, for activities and acquisitions including RDT&E, assessments and analyses, research studies, education, and other activities related to capability development and fielding.

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B. Program Change Summary (\$ in Millions)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	26.583	28.907	28.632	-	28.632
Current President's Budget	25.619	28.907	0.000	-	0.000
Total Adjustments	-0.964	0.000	-28.632	-	-28.632
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.960	-			
• Other Program Adjustments	-	-	-18.729	-	-18.729
• Cancelled Account	-0.004	-	-	-	-
• Defense Wide Review Adjustment	-	-	-9.903	-	-9.903

Change Summary Explanation

Decrease from FY 2020 to FY 2021 is the result of redistribution of funding from Countering Weapons of Mass Destruction (CWMD) Systems: Advanced Technology Development (PE# 0303310D8Z) to CWMD Systems: System Development and Demonstration (PE# 0305310D8Z) and CWMD Systems: Operational Systems Development (PE# 0607310D8Z) as part of the Defense Wide Review. This redistribution supports the Department's need to prioritize investment in fieldable capabilities to enhance Joint Force lethality in countering WMD proliferation and use. In FY 2021, this program was eliminated as a result of the Defense-wide Review.

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense										Date: February 2020		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0303310D8Z / <i>Countering Weapons of Mass Destruction (CWMD) Systems: Advanced Technology Development</i>				Project (Number/Name) 004 / <i>CWMD Systems: Advanced Technology Development</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
004: <i>CWMD Systems: Advanced Technology Development</i>	224.279	25.619	28.907	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

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A. Mission Description and Budget Item Justification

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This appropriation funded labor, materials, and travel to support the requirements of this program, performed by a government agency or by private individuals or organizations under a contract with the government, for activities and acquisitions including RDT&E, assessments and analyses, research studies, education, and other activities related to capability development and fielding.

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

	FY 2019	FY 2020	FY 2021
Title: P*004 / CWMD Systems: Advanced Technology Development	25.619	28.907	0.000
Description: The CWMD Systems: Advanced Technology Development program invested in innovative technologies and non-materiel initiatives, accelerating development of new capabilities to illuminate WMD networks; assessed vulnerabilities			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>in networks, programs, facilities, and weapons systems; and developed technologies to disable or defeat WMD. Funding also sponsors research, analyses, and table-top exercises related to countering WMD proliferation by government and non-government organizations.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> Established full operational capability of the Counterproliferation Advanced Analytic Cell (CPAAC). Developed new prototypes to disable or defeat chemical and biological weapons under the U.S.-UK Foreign Chemical-Biological Weapons Elimination Industry Challenge. Developed and integrated technologies under a number of classified projects to enable new methods to detect, disrupt, and defeat WMD and WMD networks. Completed multiple research projects conducted by the National Defense University, the Naval Postgraduate School, the Center for Nonproliferation Studies, the University of Maryland, and the RAND Corporation. These projects yielded new insights into ways to address emerging technologies and WMD proliferation; development of concepts of operation and capabilities to counter WMD use by state adversaries; and open source methods and data to support nonproliferation. <p>FY 2021 Plans:</p> <p>None. Funding eliminated by 2019 Defense Wide Review.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>Decrease from FY 2020 to FY 2021 is the result of redistribution of funding from Countering Weapons of Mass Destruction (CWMD) Systems: Advanced Technology Development (PE# 0303310D8Z) to CWMD Systems: System Development and Demonstration (PE# 0305310D8Z) and CWMD Systems: Operational Systems Development (PE# 0607310D8Z) as part of the Defense Wide Review. This redistribution supports the Department's need to prioritize investment in fieldable capabilities to enhance Joint Force lethality in countering WMD proliferation and use.</p>			
Accomplishments/Planned Programs Subtotals	25.619	28.907	0.000

C. Other Program Funding Summary (\$ in Millions)
N/A
Remarks
D. Acquisition Strategy
The Office of the Deputy Assistant Secretary of Defense for Threat Reduction and Arms Control (TRAC) establishes annual priorities based on national and DoD strategies and senior leader guidance. Based on those priorities, TRAC solicits project proposals from Combatant Commands, Military Services, and Defense Agencies, and interagency partners. To be selected, a proposed project must have a validated requirement, an engaged requirement champion, a viable acquisition strategy, and a

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qualified program management office. A technology project must identify its starting and desired end-state Technology Readiness Level. Likewise, the end-user for any proposed project must demonstrate a long-term plan for acceptance and sustainment of a fieldable capability. Project period of performance is typically 12-18 months.