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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Office of the Secretary Of Defense **Date:** February 2019

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0306310D8Z / <i>CWMD Systems: RDT&E Management Support</i>
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	0.000	1.229	1.241	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
814: <i>RDT&E Management Support</i>	0.000	1.229	1.241	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

Reduction from FY2019 to FY2020 the result of reallocation of resources to gain efficiencies following the elimination of BA-6 / PE#0306310D8Z and combination of O&M projects CWMD Sustainment with Threat Reduction and Arms Control.

A. Mission Description and Budget Item Justification

The Countering Weapons of Mass Destruction (CWMD) Systems program provides funding for research, development, integration, and deployment of CWMD capabilities. Funding is allocated to a portfolio of projects and activities in response to Combatant Command, joint, and Military Service capability needs and research initiatives. The CWMD Systems program supports 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 program is organized to develop, enhance, mature and transition technologies across the RDT&E continuum, from Advanced Technology Development through Operational Systems Development, as well as limited sustainment in unique cases. A focus area is investment in CWMD-related technologies that require additional development to transition to fielded capabilities, in response to validated, prioritized requirements. This effort fills a seam in which capability gaps are not being addressed adequately or sufficiently to meet warfighter needs. The CWMD Systems program closes gaps identified by specialized military units and leverages prior S&T investments to continue development and fielding of operational systems to those units.

The program’s legacy focus on CWMD situational awareness capabilities remains a significant component of the investment portfolio. U.S. Special Operations Command, which assumed CWMD mission responsibilities in January 2017 per the Unified Command Plan, is providing focus and guidance for development of CWMD situational awareness capabilities. The CWMD Systems program funds initiatives to close CWMD situational awareness gaps by leveraging mature technologies, modifying existing systems, and utilizing technology-enabled analytical cells to provide support to Combatant Commands and other joint and Service commands. These cells curate, synthesize, and contextualize CWMD information for end-users. This hybrid approach facilitates cross-organizational information sharing and collaboration, necessary for addressing the trans regional character of WMD proliferation.

During FY 2018 and FY 2019 the CWMD Systems program utilized four Research, Development, Test & Evaluation (RDT&E) program elements (BA-3 / PE#0303310D8Z, BA-5 / PE#0305310D8Z, BA-6 / PE#0306310D8Z, and BA-7 / PE#0607310D8Z), as well as an Operations and Maintenance (O&M) "CWMD Sustainment" line (PE#0901388D8Z ORC-2531). Reallocation of resources beginning in FY 2020 will eliminate the BA-6 / PE#0306310D8Z program element and address O&M requirements with the "Threat Reduction and Arms Control" line (PE#0901388D8Z ORC-3501).

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This Program Element (PE) funds research, development, test and evaluations efforts to support planning, development, and sustainment of CWMD technologies, including situational awareness information systems, or other systems as needed.

This appropriation funds travel to support the requirements of this program, and work (including manpower) performed by a government agency or by private individuals or organizations under a contractual or grant arrangement with the government who conduct research, development and test and evaluation efforts.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	1.231	1.244	1.273	-	1.273
Current President's Budget	1.229	1.241	0.000	-	0.000
Total Adjustments	-0.002	-0.003	-1.273	-	-1.273
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• FFRDC reduction	-0.002	-0.003	-	-	-
• Reallocation to other CWMD Systems PE's	-	-	-1.273	-	-1.273

Change Summary Explanation

Reduction from FY2019 to FY2020 the result of reallocation of resources to gain efficiencies following the elimination of BA-6 / PE#0306310D8Z and combination of O&M projects CWMD Sustainment with Threat Reduction and Arms Control.

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Office of the Secretary Of Defense **Date:** February 2019

Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0306310D8Z / CWMD Systems: RDT&E Management Support	Project (Number/Name) 814 / RDT&E Management Support
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
814: RDT&E Management Support	0.000	1.229	1.241	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Reduction from FY2019 to FY2020 the result of reallocation of resources to gain efficiencies following the elimination of BA-6 / PE#0306310D8Z and combination of O&M projects CWMD Sustainment with Threat Reduction and Arms Control.

A. Mission Description and Budget Item Justification

The Countering Weapons of Mass Destruction (CWMD) Systems program provides funding for research, development, integration, and deployment of CWMD capabilities. Funding is allocated to a portfolio of projects and activities in response to Combatant Command, joint, and Military Service capability needs and research initiatives.

The CWMD Systems program is organized to develop, enhance, mature and transition technologies across the RDT&E continuum, from Advanced Technology Development through Operational Systems Development, as well as limited sustainment in unique cases. A focus area is investment in CWMD-related technologies that require additional development to transition to fielded capabilities, in response to validated, prioritized requirements. This effort fills a seam in which capability gaps are not being addressed adequately or sufficiently to meet warfighter needs. The CWMD Systems program closes gaps identified by specialized military units and leverages prior S&T investments to continue development and fielding of operational systems to those units.

The program's legacy focus on CWMD situational awareness capabilities remains a significant component of the investment portfolio. U.S. Special Operations Command, which assumed CWMD mission responsibilities in January 2017 per the Unified Command Plan, is providing focus and guidance for development of CWMD situational awareness capabilities. The CWMD Systems program funds initiatives to close CWMD situational awareness gaps by leveraging mature technologies, modifying existing systems, and utilizing technology-enabled analytical cells to provide support to Combatant Commands and other joint and Service commands. These cells curate, synthesize, and contextualize CWMD information for end-users. This hybrid approach facilitates cross-organizational information sharing and collaboration, necessary for addressing the transregional character of WMD proliferation.

During FY 2018 and FY 2019 the CWMD Systems program utilized four Research, Development, Test & Evaluation (RDT&E) program elements (BA-3 / PE#0303310D8Z, BA-5 / PE#0305310D8Z, BA-6 / PE#0306310D8Z, and BA-7 / PE#0607310D8Z), as well as an Operations and Maintenance (O&M) "CWMD Sustainment" line (PE#0901388D8Z ORC-2531). Reallocation of resources beginning in FY 2020 will eliminate the BA-6 / PE#0306310D8Z program element and address O&M requirements with the "Threat Reduction and Arms Control" line (PE#0901388D8Z ORC-3501).

This project funds research, development, test and evaluations efforts to support planning, development, and sustainment of CWMD technologies, including situational awareness information systems, or other systems as needed.

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This appropriation funds travel to support the requirements of this program, and work (including manpower) performed by a government agency or by private individuals or organizations under a contractual or grant arrangement with the government who conduct research, development and test and evaluation efforts.

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

	FY 2018	FY 2019	FY 2020
Title: P814 / RDT&E Management	1.229	1.241	0.000
Description: Perform activities to support the planning, development, and sustainment of CWMD technologies, including situational awareness information systems, or other systems as needed.			
FY 2019 Plans:			
• Perform studies and analyses to support the planning, development, and sustainment of CWMD technologies, include situational awareness information systems			
• Evaluate CWMD-related technologies under consideration for further development, testing, and fielding against validated requirements			
FY 2020 Plans:			
None. PE eliminated.			
FY 2019 to FY 2020 Increase/Decrease Statement:			
Reduction from FY2019 to FY2020 the result of reallocation of resources to gain efficiencies following the elimination of BA-6 / PE#0306310D8Z and combination of O&M projects CWMD Sustainment with Threat Reduction and Arms Control.			
Accomplishments/Planned Programs Subtotals	1.229	1.241	0.000

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

N/A

Remarks

D. Acquisition Strategy

Utilize or reuse information technologies to field initial capabilities to end-users. As technologies mature and user needs are refined, systems or applications may transition to acquisition program(s) or be sustained separately. Integration of or interoperability among systems is also an acquisition pathway.

E. Performance Metrics

Success in this area is measured by compliance with various statutes and DoD directives that govern the conduct of the affairs within the Office of the Assistant Secretary of Defense for Nuclear, Chemical and Biological Defense Programs (OASD/NCB). Maintain cost, schedule, and performance reporting, review, and adjudication. Maintain requirements traceability matrix.