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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Office of the Secretary Of Defense **Date:** May 2017

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0306310D8Z / CWMD Systems: RDT&E Management Support
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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	1.231	0.000	1.231	1.251	1.280	1.310	1.333	Continuing	Continuing
1: P*814 / RDT&E Management	0.000	0.000	0.000	1.231	0.000	1.231	1.251	1.280	1.310	1.333	Continuing	Continuing

Note

FY2018 increase reallocated from PE 0303310D8Z to support transition of technologies to acquisition programs of record and/or fielded systems.

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 needs and research initiatives.

A focal point of this program is development of CWMD situational awareness capabilities. The Joint Requirements Oversight Council approved the Information Systems Initial Capabilities Document for CWMD Situational Awareness on 23 December 2015, which identifies the need for a family of systems to mitigate capability gaps identified by the Combatant Commands. U.S. Special Operations Command, which assumed CWMD mission responsibilities in January 2017 per the Unified Command Plan, is providing focus and direction for development of CWMD situational awareness capabilities. Gaining situational awareness of weapons of mass destruction (WMD) threats and risks, as well as U.S. and international efforts to counter WMD proliferation, requires expertise and information access. Relevant information is spread across disconnected systems, on multiple networks, and in the open source domain, making it difficult to discover and use information to support mission needs. WMD-related situations in recent years, including the removal of chemical weapons from Syria and the response to the West African Ebola outbreak, have demonstrated the need for Combatant Commands to access and share CWMD information, collaborate on planning and operations, and have a common understanding of the operational environment with mission partners. CWMD Systems is addressing existing gaps and deficiencies through a portfolio of investments.

The CWMD Systems program provides funding for two technology-enabled fusion cells at the Defense Threat Reduction Agency (DTRA) and the Defense Intelligence Agency (DIA), which utilize information systems and applications to enable CWMD situational awareness. Existing DoD information systems, networks, and applications are utilized and/or modified using CWMD Systems funding. Development of new applications reuses software to the extent possible. The DTRA and DIA 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.

The CWMD Systems program utilizes 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 (ORC-2531).

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

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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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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)	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018 Base</u>	<u>FY 2018 OCO</u>	<u>FY 2018 Total</u>
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	1.231	-	1.231
Total Adjustments	0.000	0.000	1.231	-	1.231
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Realigned from BA-3 / PE 0303310D8Z	-	-	1.238	-	1.238
• DTIC Offset	-	-	-0.008	-	-0.008
• SRRB adjustment	-	-	0.001	-	0.001

Change Summary Explanation

FY2018 increase reallocated from 03/0303310D8Z to support transition to an acquisition program of record and mature system capabilities.

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense										Date: May 2017		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0306310D8Z / CWMD Systems: RDT&E Management Support				Project (Number/Name) 1 / P*814 / RDT&E Management			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
1: P*814 / RDT&E Management	0.000	0.000	0.000	1.231	0.000	1.231	1.251	1.280	1.310	1.333	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

FY2018 increase reallocated from PE 0303310D8Z to support transition of technologies to acquisition programs of record and/or fielded systems.

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 needs and research initiatives.

A focal point of this program is development of CWMD situational awareness capabilities. The Joint Requirements Oversight Council approved the Information Systems Initial Capabilities Document for CWMD Situational Awareness on 23 December 2015, which identifies the need for a family of systems to mitigate capability gaps identified by the Combatant Commands. U.S. Special Operations Command, which assumed CWMD mission responsibilities in January 2017 per the Unified Command Plan, is providing focus and direction for development of CWMD situational awareness capabilities. Gaining situational awareness of weapons of mass destruction (WMD) threats and risks, as well as U.S. and international efforts to counter WMD proliferation, requires expertise and information access. Relevant information is spread across disconnected systems, on multiple networks, and in the open source domain, making it difficult to discover and use information to support mission needs. WMD-related situations in recent years, including the removal of chemical weapons from Syria and the response to the West African Ebola outbreak, have demonstrated the need for Combatant Commands to access and share CWMD information, collaborate on planning and operations, and have a common understanding of the operational environment with mission partners. CWMD Systems is addressing existing gaps and deficiencies through a portfolio of investments.

The CWMD Systems program provides funding for two technology-enabled fusion cells at the Defense Threat Reduction Agency (DTRA) and the Defense Intelligence Agency (DIA), which utilize information systems and applications to enable CWMD situational awareness. Existing DoD information systems, networks, and applications are utilized and/or modified using CWMD Systems funding. Development of new applications reuses software to the extent possible. The DTRA and DIA 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.

The CWMD Systems program utilizes 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 (ORC-2531).

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense		Date: May 2017	
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0306310D8Z / CWMD Systems: RDT&E Management Support	Project (Number/Name) 1 / P*814 / RDT&E Management	
This project 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 2016	FY 2017
Title: P*001 / RDT&E Management Description: • Perform activities to support the planning, development, and sustainment of CWMD situational awareness information systems, or other systems as needed. FY 2016 Accomplishments: None FY 2017 Plans: None FY 2018 Plans: • Perform studies and analysis to support the planning, development, and sustainment of CWMD situational awareness information systems		0.000	0.000
Accomplishments/Planned Programs Subtotals		0.000	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.			