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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605036A / <i>Combating Weapons of Mass Destruction (CWMD)</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	-	1.050	7.846	-	7.846	10.584	10.696	10.816	10.924	0.000	51.916
EQ5: <i>Combating Weapons of Mass Destruction (CWMD)</i>	-	-	1.050	7.846	-	7.846	10.584	10.696	10.816	10.924	0.000	51.916

A. Mission Description and Budget Item Justification

The Combating Weapons of Mass Destruction (CWMD) line supports test and evaluation efforts for overall chemical, radiological, and biological detection and protection for the warfighter for multiple programs of record, including the Advanced Radiological, Nuclear Detection Family of Systems (ARND FoS) and the Chemically Protected Deployable Medical System (CP DEPMEDS).

The ARND FoS will provide an enhanced standoff, "wide area/networked" detection capability to produce a radiological nuclear site picture depicting radiological hot spots and facilitating the detection of high priority areas of "interest/focus" on an objective. In FY25, ARND FoS will award initial contracts for test articles and "plan/conduct" test events.

The CP DEPMEDS program procures equipment to provide chemical and biological protection to US Army Role 3 field hospitals. CP DEPMEDS RDTE BA5 funding discontinues after FY24 to transition to procurement.

FY25 Base amount of \$7.830 million supports ARND FoS.

B. Program Change Summary (\$ in Millions)

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	0.000	1.050	8.696	-	8.696
Current President's Budget	0.000	1.050	7.846	-	7.846
Total Adjustments	0.000	0.000	-0.850	-	-0.850
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.850	-	-0.850

Change Summary Explanation

Program decrease due to realignment in support of CBRN water hauler effort.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605036A / <i>Combating Weapons of Mass Destruction (CWMD)</i>				Project (Number/Name) EQ5 / <i>Combating Weapons of Mass Destruction (CWMD)</i>			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
EQ5: <i>Combating Weapons of Mass Destruction (CWMD)</i>	-	-	1.050	7.846	-	7.846	10.584	10.696	10.816	10.924	0.000	51.916
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Combating Weapons of Mass Destruction (CWMD) line supports test and evaluation efforts for overall chemical, radiological, and biological detection and protection for the warfighter for multiple programs of record.

The Advanced Radiological, Nuclear Detection Family of Systems (ARND FoS) will provide an enhanced standoff, wide area/ networked detection capability to produce a radiological nuclear site picture depicting radiological hot spots and facilitating the detection of high priority areas of interest/focus on an objective. In FY25, ARND FoS will award initial contracts for test articles and plan/conduct test events.

The Chemically Protected Deployable Medical System (CP DEPMEDS) program procures equipment to provide chemical and biological protection to US Army Role 3 field hospitals. CP DEPMEDS RDTE BA5 funding discontinues after FY24 to transition to procurement.

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

	FY 2023	FY 2024	FY 2025
Title: FY24 Combating Weapons of Mass Destruction	-	1.050	7.846
FY 2024 Plans:			
ARND FoS new start program will use FY24 (679K) funding for the following activities.			
Develop ACQ strategy and program documentation.			
Conduct market survey.			
Develop contracting package.			
CP DEPMEDS program will use FY24 (371K) funding for the following activities.			
Develop Logistics Documentation.			
FY 2025 Plans:			
ARND FoS will use FY25 (\$7.830M) funding for the following activities:			
Award initial contract for test articles.			
Planning / conducting test events.			
Support logistics development.			
FY 2024 to FY 2025 Increase/Decrease Statement:			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Increase is funding in FY25 in line with program schedule requirements; the ARND FoS program will require increase in funding for initial contract award and other program schedule requirements.				
Accomplishments/Planned Programs Subtotals		-	1.050	7.846
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy ARND FoS will evaluate Commercial-Off-The-Shelf (COTS) solutions and Defense Threat Reduction Agency (DTRA) prototypes to meet requirements in the capability production document. The program management office will initiate program document development, complete a market survey, release a contract for candidate systems to increase competition between vendors, down-select to most suitable vendor, and complete all necessary testing on both the air and ground systems. The ARND FoS acquisition strategy will be refined following the completion of the acquisition shaping panel (ASP) review. The Chemically Protected Deployable Medical System (CP DEPMEDS) will revise the program's technical manuals and other logistics documentation to reflect changes resulting from the program's modernization and re-configuration efforts.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0605036A / Combating Weapons of Mass Destruction (CWMD)				EQ5 / Combating Weapons of Mass Destruction (CWMD)							
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management (ARND FoS)	TBD	Various : Various	-	-		0.200	Jan 2024	0.983	Jan 2025	-		0.983	0.000	1.183	-
Subtotal			-	-		0.200		0.983		-		0.983	0.000	1.183	N/A
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Product System Development (ARND FoS)	TBD	To be determined : Various	-	-		-		5.713	Jun 2025	-		5.713	0.000	5.713	-
Subtotal			-	-		-		5.713		-		5.713	0.000	5.713	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering (ARND FoS)	TBD	Edgewood Chemical and Biological Center : Aberdeen Proving Ground, MD	-	-		0.379	Jan 2024	0.400	Jan 2025	-		0.400	0.000	0.779	-
Logistics (ARND FoS)	TBD	Various : Various	-	-		0.050	Jan 2024	0.250	Jan 2025	-		0.250	0.000	0.300	-
Logistics (CP DEPMEDS)	TBD	Various : Various	-	-		0.371	Jan 2024	-		-		-	0.000	0.371	-
Subtotal			-	-		0.800		0.650		-		0.650	0.000	1.450	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DT&E (ARND FoS)	TBD	A TEC : Aberdeen Proving Ground, MD	-	-		0.050	Jan 2024	0.500	Jan 2025	-		0.500	0.000	0.550	-
Subtotal			-	-		0.050		0.500		-		0.500	0.000	0.550	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Logistics Documentation - CP DEPMEDS																																
Initiate program documentation and acquisition strategy ...																																
Award Prototype Contract - ARND FoS																																
Developmental Testing - ARND FoS																																
Milestone C - ARND FoS																																
Operational Test and Evaluation - ARND FoS																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605036A / <i>Combating Weapons of Mass Destruction (CWMD)</i>	Project (Number/Name) EQ5 / <i>Combating Weapons of Mass Destruction (CWMD)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Logistics Documentation - CP DEPMEDS	1	2024	4	2024
Initiate program documentation and acquisition strategy - ARND FoS	1	2024	4	2024
Award Prototype Contract - ARND FoS	1	2025	4	2025
Developmental Testing - ARND FoS	1	2026	4	2026
Milestone C - ARND FoS	1	2027	1	2027
Operational Test and Evaluation - ARND FoS	1	2027	4	2029