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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605247A / Spectrum Situational Awareness System (S2AS)
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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	0.000	0.000	0.000	9.330	0.000	9.330	5.007	0.000	0.000	0.000	0.000	14.337
DJ8: Spectrum Situational Awareness System (S2AS)	-	-	-	9.330	-	9.330	5.007	-	-	-	0.000	14.337

Note

Spectrum Situational Awareness System (S2AS) is a new start in FY 2025.

A. Mission Description and Budget Item Justification

Spectrum Situational Awareness System (S2AS) is a dedicated Electro-Magnetic Spectrum (EMS) situational awareness system that provides the Commander with real time EMS Situational Awareness to support Emissions Control (EMCON) decisions, Electromagnetic Interference (EMI) Resolution, and detect/warn operations centers of unauthorized or intentional sources of interference on today's complex battlefield.

In Fiscal Year (FY) 2025, \$9.330 million of RDT&E will be used for integration, testing, and technical and program management support of the S2AS program.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	9.330	-	9.330
Total Adjustments	0.000	0.000	9.330	-	9.330
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	9.330	-	9.330

Change Summary Explanation

S2AS is a New Start Program in FY2025. The funding increase for 0605247A is \$9.330 million to support the integration, testing, and technical and program management support of the S2AS program.

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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 0605247A / <i>Spectrum Situational Awareness System (S2AS)</i>	Project (Number/Name) DJ8 / <i>Spectrum Situational Awareness System (S2AS)</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
<i>DJ8: Spectrum Situational Awareness System (S2AS)</i>	-	-	-	9.330	-	9.330	5.007	-	-	-	0.000	14.337
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Spectrum Situational Awareness System (S2AS) is a new start within the Spectrum Situational Awareness System (S2AS) program in FY 2025.

A. Mission Description and Budget Item Justification

Spectrum Situational Awareness System (S2AS) is a dedicated Electro-Magnetic Spectrum (EMS) situational awareness system that provides the Commander with real time EMS Situational Awareness to support Emissions Control (EMCON) decisions, Electromagnetic Interference (EMI) Resolution, and detect/warn operations centers of unauthorized or intentional sources of interference on today's complex battlefield.

In Fiscal Year (FY) 2025, \$9.330 million of RDT&E will be used for integration, testing, and technical and program management support of the S2AS program.

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

	FY 2023	FY 2024	FY 2025
Title: Equipment Integration, Testing, Technical and Program Management	-	-	9.330
Description: Provides funding for integration and testing, and technical and program management.			
FY 2025 Plans: \$9.330 million of RDT&E will be used for integration, testing, and technical and program management support of the S2AS program.			
FY 2024 to FY 2025 Increase/Decrease Statement: S2AS is a New Start Program in FY2025.			
Accomplishments/Planned Programs Subtotals	-	-	9.330

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

N/A

Remarks

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D. Acquisition Strategy

The S2AS program will use a tailored competitive acquisition approach to rapidly deliver an integrated spectrum monitoring capability on multiple platform types to align with Army 2030. The S2AS program will leverage authorities including, but not limited to Middle Tier of Acquisition to accelerate delivery through rapid prototyping with rapid fielding authorities or a Milestone C Decision Point.

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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 0605247A / Spectrum Situational Awareness System (S2AS)				DJ8 / Spectrum Situational Awareness System (S2AS)							
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
Technical Management Support	TBD	PM Electronic Warfare & Cyber : Aberdeen Proving Ground, MD	-	-		-		0.445	Jan 2025	-		0.445	0.000	0.445	-
Subtotal			-	-		-		0.445		-		0.445	0.000	0.445	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
Development and Integration	TBD	TBD : TBD	-	-		-		5.075	Apr 2025	-		5.075	0.000	5.075	-
Subtotal			-	-		-		5.075		-		5.075	0.000	5.075	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
Engineering and Technical Support	TBD	PM Electronic Warfare & Cyber : Aberdeen Proving Ground, MD	-	-		-		3.333	Jan 2025	-		3.333	0.000	3.333	-
Subtotal			-	-		-		3.333		-		3.333	0.000	3.333	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
Test and Demonstration	TBD	Various : TBD	-	-		-		0.477	Aug 2025	-		0.477	0.000	0.477	-
Subtotal			-	-		-		0.477		-		0.477	0.000	0.477	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605247A / <i>Spectrum Situational Awareness System (S2AS)</i>	Project (Number/Name) DJ8 / <i>Spectrum Situational Awareness System (S2AS)</i>	

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				
S2AS Prototype Development, Test, and Integration																																
S2AS Contract Award													1																			
Procure S2AS Systems																																
S2AS First Unit Integrated																					2											
S2AS Fielding to Army 2030																																

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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 0605247A / <i>Spectrum Situational Awareness System (S2AS)</i>	Project (Number/Name) DJ8 / <i>Spectrum Situational Awareness System (S2AS)</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
S2AS Prototype Development, Test, and Integration	1	2025	1	2026
S2AS Contract Award	3	2025	3	2025
Procure S2AS Systems	1	2026	1	2028
S2AS First Unit Integrated	2	2026	2	2026
S2AS Fielding to Army 2030	2	2026	2	2028