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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 0605242A / Theater SIGINT System (TSIGS)
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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	6.660	0.000	6.660	0.000	0.000	0.000	0.000	0.000	6.660
DJ4: Theater SIGINT System (TSIGS)	-	-	-	6.660	-	6.660	-	-	-	-	0.000	6.660

Note

Theater SIGINT System (TSIGS) is a new start in FY 2025.

A. Mission Description and Budget Item Justification

This Program Element encompasses engineering and manufacturing development for strategic, theater of operations focused, Signals Intelligence (SIGINT) terrestrial (ground) employment applications. The systems under this program provide the Army with the capability to detect, identify, locate, collect, process, and report advanced adversarial signals of interest (Sol) for Indications and Warnings (I&W), support to Electronic Order of Battle development (EOB) for U.S. and allied maneuver units, and SIGINT support to Electromagnetic Warfare and Cyber Operations.

Project DJ4 supports the development of the Theater SIGINT System (TSIGS). TSIGS will provide SIGINT integrated solutions to support Multi Domain Battle capability gaps and provide Force Protection, Situational Development, and Information Superiority to Army Service Component Commands (ASCCs) and Combatant Commands (COCOMs) at the strategic level. TSIGS will equip Military Intelligence Brigades with non-persistent mobile capabilities, persistent static capabilities, and portable survey capabilities to their subordinate formations. Enables integration, interoperability and force modernization with emerging capabilities in support of theater aligned Military Intelligence units and Intelligence Community (IC) collection priorities. FY 2025 funds the Theater SIGINT System (TSIGS) effort (Project DJ4).

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	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	6.660	-	6.660
Total Adjustments	0.000	0.000	6.660	-	6.660
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	6.660	-	6.660

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Appropriation/Budget Activity
2040: *Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)*

R-1 Program Element (Number/Name)
PE 0605242A / *Theater SIGINT System (TSIGS)*

Change Summary Explanation

Fiscal Year (FY) 2025 New Start Program. The funding increase for 0605242A is \$6.660 million to support the development, integration, and technical insertions of signals of interest (SOI) of the TSIGS 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 0605242A / Theater SIGINT System (T SIGS)				Project (Number/Name) DJ4 / Theater SIGINT System (TSIGS)			
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
DJ4: Theater SIGINT System (TSIGS)	-	-	-	6.660	-	6.660	-	-	-	-	0.000	6.660
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Theater SIGINT System (TSIGS) is a new start within the Theater SIGINT System (TSIGS) program in FY 2025.

A. Mission Description and Budget Item Justification

This funding line will provide SIGINT integrated solutions to support Multi Domain Battle capability gaps and provide Force Protection, Situational Development, and Information Superiority to ASCCs and COCOMs at the strategic level. TSIGS' information Superiority provides Commanders and staffs timely, accurate, relevant, and predictive intelligence to understand threat characteristics, goals and objectives, supporting the military decision-making process, courses of action (COA) development, and targeting support. TSIGS employs technologically advanced systems with a modular open-system approach (C5ISR/EW Modular Open Suite of Standards (CMOSS)) for multiple configurations that can be efficiently sustained and effectively upgraded to provide capabilities against changing near peer and emerging threats to address joint all domain capability gaps. Enables integration, interoperability and force modernization with emerging capabilities in support of theater aligned Military Intelligence units and IC collection priorities.

Justification:

FY25 base funds in the amount of \$6.660M will fund TSIGS Integration, Demonstration/Experimentation/Prototyping, Technical/Program Management, Non-Recurring Engineering (NRE), and Integration/Materiel Developer Testing.

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

	FY 2023	FY 2024	FY 2025
Title: SW Development/Operational Relevancy	-	-	4.985
Description: Funds will be allocated to facilitate the development, testing, and integration of new signals of interest (SOI) requirements, ensuring the operational relevance needed to effectively counter peer and near-peer threat signals. Moreover, the funding will cover engineering, prototyping, integration, and technical insertions of new SOIs into the program, as well as funding test activities for TSIGS.			
FY 2025 Plans: In FY2025, planning includes the systematic development and testing of Next Generation Signals and state-of-the-art SIGINT exploitation techniques, informing requirements (CDD)/Tactic, Techniques and Procedures (TTPs).			
FY 2024 to FY 2025 Increase/Decrease Statement:			

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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 0605242A / Theater SIGINT System (T SIGS)	Project (Number/Name) DJ4 / Theater SIGINT System (TSIGS)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Fiscal Year (FY) 2025 New Start Program. This is the initial funding on this line. \$4.985 million for the development, testing and integration of Next Generation Signals and state-of-the-art SIGINT exploitation techniques to the program.			
Title: Technical Management Support	-	-	1.675
Description: Funds will provide Technical/Program Management support for engineering, prototyping, integration and test activities for the TSIGS program.			
FY 2025 Plans: FY 2025 technical engineering and program management support for TSIGS SOI development, and delivery of production-representative systems to reach Initial Operational Capability (IOC).			
FY 2024 to FY 2025 Increase/Decrease Statement: Fiscal Year (FY) 2025 New Start Program. This is the initial funding on this line. \$1.675 million for engineering, program and technical management support to development, integration and technical insertions of SOIs to the program.			
Accomplishments/Planned Programs Subtotals	-	-	6.660

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

N/A

Remarks

N/A

D. Acquisition Strategy

Upon initiating the TSIGS program, a competitive acquisition strategy will be approved. The approach will involve the adoption of a Major Capability Acquisition (MCA) framework, integrating elements from the Software Acquisition model. The goal is to swiftly deliver an integrated ground intelligence system of systems that aligns with strategically positioned theater-based forces. The TSIGS initiative will capitalize on MCA authorities to expedite development and continuous integration and continuous delivery (CI/CD) of software products, ensuring adaptability to evolving and emerging requirements over time.

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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 0605242A / Theater SIGINT System (T SIGS)					DJ4 / Theater SIGINT System (TSIGS)						
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	Various	PM EW&C : APG, MD	-	-		-		1.389	Nov 2024	-		1.389	0.000	1.389	-
Subtotal			-	-		-		1.389		-		1.389	0.000	1.389	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
SW Development/ Operational Relevancy	TBD	TBD : TBD	-	-		-		4.985	Nov 2024	-		4.985	0.000	4.985	-
Subtotal			-	-		-		4.985		-		4.985	0.000	4.985	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 Service Govt	C/CPFF	MAG AEROSPACE : APG, MD	-	-		-		0.286	Jun 2025	-		0.286	0.000	0.286	-
Subtotal			-	-		-		0.286		-		0.286	0.000	0.286	N/A
Project Cost Totals			-	-		-		6.660		-		6.660	0.000	6.660	N/A
Remarks															

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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 0605242A / Theater SIGINT System (T SIGS)	Project (Number/Name) DJ4 / Theater SIGINT System (TSIGS)

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
Program Initiation; transition from QRC to PoR									1																			
Software/Hardware Development & Test									Program Initiation				SW/HW Dev & Test															

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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 0605242A / Theater SIGINT System (T SIGS)	Project (Number/Name) DJ4 / Theater SIGINT System (TSIGS)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Program Initiation; transition from QRC to PoR	1	2025	1	2025
Software/Hardware Development & Test	1	2025	2	2026