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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 0303767A / <i>AMBIT - Pre-Auctioned SRF</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	0.000	21.730	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.730
XRB: <i>AMBIT RDTE POST-AUCTION TRANSITION PLAN</i>	-	21.730	-	-	-	-	-	-	-	-	0.000	21.730

A. Mission Description and Budget Item Justification

In accordance with 47 USC 928 and the Commercial Spectrum Enhancement Act (CSEA) Title, P.L. 108-494, dated December 23, 2004, established the Spectrum Relocation Fund (SRF) to provide Federal agencies a mechanism to recover the cost associated with relocating spectrum dependent systems from spectrum bands which were auctioned for commercial purposes. The activities described meet the CSEA and SRF requirements for funding to support spectrum relocation and the Americas Mid-band Initiative Team (AMBIT).

The Department of Defense (DoD) PRE-AUCTION AMBIT Transition Plan supports the relocation and sharing costs associated with the reallocation of an electromagnetic spectrum (EMS) band (in this case, 3450-3550 MHz), as required by the Enhanced 911 Services Act, 2004 (PL 108-494) and as amended by the Middle-Class Tax Relief Act, 2012 (PL 112-96), and defines the necessary RDT&E efforts to share EMS access for governmental and commercial use of the AMBIT band. When the Federal Communications Commission (FCC) auctions EMS bands to the commercial sector, previously reserved for governmental or military use, the DoD incurs costs as it must relocate to a new EMS band or share the auctioned band with commercial entities. Funds from the SRF are made available for DoD to pay relocation or sharing costs related to auctioned EMS bands, such as the costs of any modification or replacement of equipment, spares, associated ancillary equipment, software, facilities, operating manuals, training, or compliance with regulations that are attributable to relocation or sharing; the costs of all engineering, equipment, software, site acquisition, and construction, as well as any legitimate and prudent transaction expenses, including term-limited Federal civil servant and contractor staff necessary to carry out the relocation or sharing activities of a Federal entity, and reasonable additional costs incurred by the Federal entity that are attributable to relocation or sharing, including increased recurring costs. The SRF is funded with proceeds from FCC conducted auctions of spectrum licenses. SRF funds have an indefinite obligation period and remain available until expended (X Year). The DoD Chief Information Officer (CIO) executes oversight of DoD spectrum relocation and sharing efforts.

No funding requested in this line in FY25.

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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	21.730	0.000	0.000	-	0.000
Total Adjustments	21.730	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	21.730	-			
• SBIR/STTR Transfer	-	-			

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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 0303767A / <i>AMBIT - Pre-Auctioned SRF</i>				Project (Number/Name) XRB / <i>AMBIT RDTE POST-AUCTION TRANSITION PLAN</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
XRB: <i>AMBIT RDTE POST-AUCTION TRANSITION PLAN</i>	-	21.730	-	-	-	-	-	-	-	-	0.000	21.730
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Department of Defense Chief Information Officer (DoD CIO) established America's Mid-Band Initiative Team (AMBIT) in response to a White House 5G initiative to auction 100 MHz of spectrum. Amongst the affected programs, the AN/TPQ-53 Counterfire Radars program received funds to assess potential spectrum coexistence with the 5G network in the auctioned band, increase bandwidth and waveform agility, and implement solutions for the continuity of the Digital Distributed Receiver Exciter (DDREX) modernization project.

No funding requested in this line in FY25.

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

	FY 2023	FY 2024	FY 2025
Title: DDREX AMBIT	21.730	-	-
Description: Develop Digital Receiver Exciter Receiver (DDREX) integration solutions for hardware and software to operate in a compressed and congested spectrum environment.			
Accomplishments/Planned Programs Subtotals	21.730	-	-

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

N/A

Remarks

D. Acquisition Strategy

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 0303767A / <i>AMBIT - Pre-Auctioned SRF</i>	Project (Number/Name) <i>XRB / AMBIT RDTE POST-AUCTION TRANSITION PLAN</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				
DDREX AMBIT	[REDACTED]																															

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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 0303767A / <i>AMBIT - Pre-Auctioned SRF</i>	Project (Number/Name) XRB / <i>AMBIT RDTE POST-AUCTION TRANSITION PLAN</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DDREX AMBIT	2	2023	4	2025