

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605830A / <i>Aviation Ground Support Equipment</i>
--------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------

COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	1.158	2.959	1.167	-	1.167	1.002	1.003	1.014	1.025	Continuing	Continuing
EE5: <i>Aviation Ground Support Equipment</i>	-	1.158	2.959	1.167	-	1.167	1.002	1.003	1.014	1.025	Continuing	Continuing

A. Mission Description and Budget Item Justification

Aviation Ground Support Equipment (AGSE) Product Office conducts testing and evaluation on critical ground support equipment to enhance the functionality and maintenance of enduring and Future Vertical Lift (FVL) aircraft. This is accomplished by providing aircraft diagnostic, repair and servicing capabilities required to support Army Aviation readiness. Priority efforts include Aviation Ground Power Unit (AGPU 1.1) and Aircraft Cleaning and Deicing System (ACDS).

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	1.201	2.959	1.192	-	1.192
Current President's Budget	1.158	2.959	1.167	-	1.167
Total Adjustments	-0.043	0.000	-0.025	-	-0.025
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.043	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.025	-	-0.025

Change Summary Explanation

Decreased funding to support higher Army priorities.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Army										Date: March 2023		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605830A / Aviation Ground Support Equipment				Project (Number/Name) EE5 / Aviation Ground Support Equipment			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
EE5: Aviation Ground Support Equipment	-	1.158	2.959	1.167	-	1.167	1.002	1.003	1.014	1.025	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Aviation Ground Support Equipment (AGSE) Product Office conducts testing and evaluation on critical ground support equipment to enhance the functionality and maintenance of enduring and Future Vertical Lift (FVL) aircraft. This is accomplished by providing aircraft diagnostic, repair and servicing capabilities required to support Army Aviation readiness. Priority efforts include Aviation Ground Power Unit (AGPU 1.1) and Aircraft Cleaning and Deicing System (ACDS).

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

	FY 2022	FY 2023	FY 2024
<p>Title: Aviation Ground Power Unit Next Generation (AGPU 1.1)</p> <p>Description: The AGPU 1.1 provides external hydraulic, pneumatic, and AC/DC electrical power to meet enduring and future Army aircraft servicing requirements.</p> <p>FY 2023 Plans: Continue development and testing of AGPU 1.1.</p> <p>FY 2024 Plans: Integrate AGPU1.1 Pre-Planned Product Improvements (P3I) in support of Future Vertical Lift, (FVL).</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding decrease in FY24 due to testing subsiding for AGPU1.1.</p>	1.158	2.851	1.167
<p>Title: SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.</p>	-	0.108	-
Accomplishments/Planned Programs Subtotals	1.158	2.959	1.167

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605830A / Aviation Ground Support Equipment	Project (Number/Name) EE5 / Aviation Ground Support Equipment

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2024</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u>	<u>Total Cost</u>
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	
• AZ3520: AVIATION GROUND SUPPORT EQUIPMENT	13.561	20.823	25.752	-	25.752	12.920	16.055	16.055	15.970	0.000	121.136

Remarks

D. Acquisition Strategy

This project is an aggregate of Aviation Ground Support Equipment (AGSE) products. While the detailed acquisition strategy varies from product to product, the general strategy is to test and evaluate commercial items and modify for military use.

AGPU 1.1 production contract will be awarded in FY24.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army												Date: March 2023				
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605830A / Aviation Ground Support Equipment				Project (Number/Name) EE5 / Aviation Ground Support Equipment						
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
SBIR/STTR Transfer	TBD	TBD : TBD	0.043	-		0.108	Sep 2023	-		-		-	0.000	0.151	-	
Subtotal			0.043	-		0.108		-		-		-	0.000	0.151	N/A	
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
AGPU 1.1	MIPR	RTC : Redstone Arsenal, AL	1.413	1.158	Jun 2022	2.851	Apr 2023	-		-		-	0.000	5.422	-	
AGPU 1.1 Preplanned Product Improvements	Various	DEVCOM AvMC : Redstone Arsenal, AL	-	-		-		1.167	Apr 2024	-		1.167	Continuing	Continuing	Continuing	
Subtotal			1.413	1.158		2.851		1.167		-		1.167	Continuing	Continuing	N/A	
Project Cost Totals			1.456	1.158		2.959		1.167		-		1.167	Continuing	Continuing	N/A	
Remarks																

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army			Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605830A / Aviation Ground Support Equipment	Project (Number/Name) EE5 / Aviation Ground Support Equipment	

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Aviation Ground Power Unit 1.1 (AGPU 1.1)	AGPU1.1 Testing																											
Aviation Ground Power Unit (AGPU 1.1) P3I									AGPU1.1 Preplanned Product Improvements																			
Aircraft Cleaning and Deicing System (ACDS)																	ACDS											

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605830A / Aviation Ground Support Equipment	Project (Number/Name) EE5 / Aviation Ground Support Equipment

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Aviation Ground Power Unit 1.1 (AGPU 1.1)	1	2021	4	2023
Aviation Ground Power Unit (AGPU 1.1) P3I	1	2024	4	2026
Aircraft Cleaning and Deicing System (ACDS)	1	2027	4	2028