Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army										Date: Mar	ch 2023	
<b>Appropriation/Budget Activity</b> 2040: Research, Development, Te Development & Demonstration (S		ation, Army	I BA 5: Syst	tem		<b>am Elemen</b> 30A I Aviatic			ipment			
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: Aviation Ground Support Equipment	-	1.158	2.959	1.167	-	1.167	1.002	1.003	1.014	1.025	Continuing	Continuing
Aviation Ground Support Equipm maintenance of enduring and Fut Army Aviation readiness. Priority	ture Vertica	I Lift (FVL) a	aircraft. This	s is accomp	lished by pr	oviding airc	raft diagnos	tic, repair a	nd servicing	g capabilitie	•	
B. Program Change Summary (	\$ in Millior	is)		<u>FY 2022</u>	FY 202	<u>23</u> <u>F</u>	Y 2024 Ba	se	FY 2024 O	<u></u>	FY 2024 To	otal
Previous President's Budg	get			1.201	2.95	59	1.19	92		-	1.1	92
Current President's Budge	et			1.158	2.95	59	1.10	67		-	1.1	67
Total Adjustments				-0.043	0.00	00	-0.02	25		-	-0.0	)25
Congressional G				-		-						
<ul> <li>Congressional E</li> </ul>				-		-						
<ul> <li>Congressional F</li> </ul>	Rescissions			-		-						

Congressional Rescissions	-	-			
Congressional Adds	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
Reprogrammings	-0.043	-			
SBIR/STTR Transfer	-	-			
<ul> <li>Adjustments to Budget Years</li> </ul>	-	-	-0.025	-	-0.025
SBIR/STTR Transfer	-	-	-0.025	-	-

## **Change Summary Explanation**

Decreased funding to support higher Army priorities.

Equipment       Image: Construction of the con	Exhibit R-2A, RDT&E Project Ju	ustification	: PB 2024 A	Army							Date: M	arch 2023	
COS I (\$ in Millions)         Years         FY 2022         FY 2023         Base         OCO         Total         FY 2026         FY 2027         FY 2028         Complete           EE5: Aviation Ground Support         -         1.158         2.959         1.167         -         1.003         1.014         1.025         Continuing         C           Quantity of RDT&E Articles         -						PE 06058						,	quipment
Equipment       Image: Construction of the con	COST (\$ in Millions)		FY 2022	FY 2023				FY 2025	FY 2026	FY 2027	FY 202		Total Cost
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 s 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         Title: Aviation Ground Power Unit Next Generation (AGPU 1.1)       1.158       2.851         Description: The AGPU 1.1 provides external hydraulic, pneumatic, and AC/DC electrical power to meet enduring and future       1.158       2.851         FY 2023 Plans:       Continue development and testing of AGPU 1.1.       FY 2024 Plans:       FY 2024 Increase/Decrease Statement:         Funding decrease in FY24 due to testing subsiding for AGPU1.1.       Title: SBIR/STTR Transfer       0.108         Description: Funding transferred in accordance with Title 15 USC §638.       -       0.108		-	1.158	2.959	1.167	-	1.167	1.002	1.003	1.01	4 1.0	25 Continuing	Continuing
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 so 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         Title: Aviation Ground Power Unit Next Generation (AGPU 1.1)       1.158       2.851       2.851         Description: The AGPU 1.1 provides external hydraulic, pneumatic, and AC/DC electrical power to meet enduring and future Army aircraft servicing requirements.       FY 2023 FIA       FY 2024 FIA         FY 2023 Plans:       Continue development and testing of AGPU 1.1.       FY 2024 Increase/Decrease Statement: Funding decrease in FY24 due to testing subsiding for AGPU1.1.       FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.       -       0.108         FY 2023 Plans:       -       0.108       -       -       0.108       -	Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-		-	
Title: Aviation Ground Power Unit Next Generation (AGPU 1.1)1.1582.851Description: The AGPU 1.1 provides external hydraulic, pneumatic, and AC/DC electrical power to meet enduring and future Army aircraft servicing requirements.1.1582.851FY 2023 Plans: Continue development and testing of AGPU 1.1.FY 2024 Plans: Integrate AGPU1.1 Pre-Planned Product Improvements (P3I) in support of Future Vertical Lift, (FVL).FY 2024 Increase/Decrease Statement: 	Aviation Ground Support Equipm maintenance of enduring and Fu	nent (AGSE) ture Vertica	) Product O I Lift (FVL) a	ffice conduc aircraft. This	s is accomp	lished by p	roviding airc	raft diagnos	stic, repair a	nd servici	ng capabil		
Title: Aviation Ground Power Unit Next Generation (AGPU 1.1)       1.158       2.851         Description: The AGPU 1.1 provides external hydraulic, pneumatic, and AC/DC electrical power to meet enduring and future Army aircraft servicing requirements.       1.158       2.851         FY 2023 Plans: Continue development and testing of AGPU 1.1.       1.158       2.851         FY 2024 Plans: Integrate AGPU1.1 Pre-Planned Product Improvements (P3I) in support of Future Vertical Lift, (FVL).       FY 2024 Increase/Decrease Statement: Funding decrease in FY24 due to testing subsiding for AGPU1.1.         Title: SBIR/STTR Transfer       -       0.108         Description: Funding transferred in accordance with Title 15 USC §638.       -       0.108	B. Accomplishments/Planned F	Programs (	\$ in Million	<u>s)</u>						F	Y 2022	FY 2023	FY 2024
Army aircraft servicing requirements.       FY 2023 Plans:         Continue development and testing of AGPU 1.1.       FY 2024 Plans:         Integrate AGPU1.1 Pre-Planned Product Improvements (P3I) in support of Future Vertical Lift, (FVL).       FY 2023 to FY 2024 Increase/Decrease Statement:         Funding decrease in FY24 due to testing subsiding for AGPU1.1.       -       0.108         Title: SBIR/STTR Transfer       -       0.108         Description: Funding transferred in accordance with Title 15 USC §638.       -       0.108	Title: Aviation Ground Power Un	it Next Gene	eration (AGI	PU 1.1)							1.158	2.851	1.167
FY 2024 Plans:       Integrate AGPU1.1 Pre-Planned Product Improvements (P3I) in support of Future Vertical Lift, (FVL).       Image: Comparison of Fy 2024 Increase/Decrease Statement:         Funding decrease in FY24 due to testing subsiding for AGPU1.1.       Image: Comparison of Fy 2024 Increase/Decrease Statement:         Funding decrease in FY24 due to testing subsiding for AGPU1.1.       Image: Comparison of Fy 2024 Increase Statement:         Funding transfer       -         Description:       Funding transferred in accordance with Title 15 USC §638.         FY 2023 Plans:       Image: Comparison of Fy 2023 Plans:	Army aircraft servicing requireme	ents.	-	, pneumatic	, and AC/D	)C electrical	power to m	leet endurin	g and future	9			
Funding decrease in FY24 due to testing subsiding for AGPU1.1.       Image: Comparison of the string subsiding for AGPU1.1. <i>Title:</i> SBIR/STTR Transfer       -       0.108 <i>Description:</i> Funding transferred in accordance with Title 15 USC §638.       Image: Comparison of the string subsiding for AGPU1.1. <i>FY 2023 Plans:</i> Image: Comparison of the string subsiding for AGPU1.1.       Image: Comparison of the string subsiding for AGPU1.1.	FY 2024 Plans:	-		(P3I) in sup	port of Fut	ure Vertical	Lift, (FVL).						
Description: Funding transferred in accordance with Title 15 USC §638. FY 2023 Plans:				GPU1.1.									
FY 2023 Plans:	Title: SBIR/STTR Transfer										-	0.108	-
	Description: Funding transferred	d in accorda	ance with Tit	le 15 USC §	§638.								
Turding transiened in accordance with Title To OOC \$000.		e with Title	15 USC §6	38.									
FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.				38.									
Accomplishments/Planned Programs Subtotals 1.158 2.959						Accomplis	shments/Pl	anned Prog	grams Sub	totals	1.158	2.959	1.167

Exhibit R-2A, RDT&E Project Justi	fication: PB	2024 Army							Date: Ma	rch 2023	
Appropriation/Budget Activity				R-1 P	Program Eler	nent (Numb	er/Name)	Project (I	Number/Na	me)	
2040 / 5				PE 06 uipme		iation Groun	d Support Eq	EE5 / Avia	ation Groun	d Support E	quipment
C. Other Program Funding Summa	ary (\$ in Milli	ons <u>)</u>	FY 2024	FY 2024	FY 2024					Cost To	
Line Item	FY 2022	<u>FY 2023</u>	Base	000	Total	FY 2025	FY 2026	FY 2027	FY 2028	Complete	Total Cost
• 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.

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2024 Army	,								Date:	March 20	023	
Appropriation/Budg 2040 / 5	et Activity	/					5830A / A		lumber/Na Ground Su		-	t <b>(Numbe</b> viation G		oport Equ	ipment
Management Servic	es (\$ in M	illions)		FY 2	2022	FY 2	2023		2024 ase	FY 2 O(		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 Developme	ent (\$ in M	illions)		FY 2	2022	FY 2	2023		2024 ase	FY 2 O		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	Continuin
		Subtotal	1.413	1.158		2.851		1.167		-		1.167	Continuing	Continuing	N/A
			Prior Years	FY 2	2022	FY	2023		2024 ase	FY 2		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	1.456	1.158		2.959		1.167		-		1.167	Continuing	Continuing	N/A

**Remarks** 

Exhibit R-4, RDT&E Schedule Profile: PB 2024 A	rmy					Date: March 20	23
Appropriation/Budget Activity 2040 / 5		P	<b>2-1 Program Elemer</b> № 0605830A <i>I Aviati</i> o ipment	nt (Number/Name on Ground Suppo		Number/Name) ation Ground Sup	port Equipment
Event Name	FY 2022	FY 2023	3 FY 2024 4 1 2 3 4	FY 2025	FY 2026	FY 2027	FY 2028
Aviation Ground Power Unit 1.1 (AGPU 1.1)							
Aviation Ground Power Unit (AGPU 1.1) P3I	AGPU1.1 Testing						
Aircraft Cleaning and Deicing System (ACDS)			AGPU1.1 Preplanned Pro	oduct Improvements			
						ACDS	

hibit R-4A, RDT&E Schedule Details: PB 2024 Army			Date:	: March 2023
propriation/Budget Activity 40 / 5	<b>R-1 Program Element (Number/Nam</b> PE 0605830A <i>I Aviation Ground Supp</i> <i>uipment</i>		Project (Number EE5 / Aviation Gr	
	Schedule Details			
Evente	Quarter	Year	Quarte	End
Evenis	Quarter	rear	Qualite	r Year
Events Aviation Ground Power Unit 1.1 (AGPU 1.1)	1	2021	4	r Year 2023
	1 1 1			