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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0804743F / <i>Other Flight Training</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	-	1.908	2.265	2.319	0.000	2.319	2.379	2.427	0.939	0.958	0.000	13.195
675304: <i>Aviation Resource Management System (ARMS)</i>	-	1.908	2.265	2.319	0.000	2.319	2.379	2.427	0.939	0.958	0.000	13.195
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0804743F, project 675304, Aviation Resource Tool Enterprise Mission Information System (ARTEMIS), is a new start.

A. Mission Description and Budget Item Justification

Aviation Resource Tool Enterprise Mission Information System (ARTEMIS) seeks to migrate ancient Air Force operations-related information technology (IT) systems into a common operational enterprise-wide architecture. This common architecture ensures data versatility, permitting common architecture across multiple programs/applications yielding real-time analytics for aircrew, missileer and parachutist training, readiness, and electronic flying hours reports. It will fully incorporate the capabilities of the Aviation Resource Management System (ARMS), for all aircrew and parachutist management (including flight and jump pay) covering 65,000 Aircrew/Parachutists and used by 2,800 1C0X2 Career Field members with 2.2M transactions per week.

ARTEMIS will provide a cloud-based solution and ensure indefinite, secure integration w/existing operations systems. It will provide dashboards and data analytics support decision making for informing readiness assessments. The sustainment of these capabilities and the introduction of new capabilities follows an agile development process. The cloud environment provides the Continuous Integration and Continuous Deployment (CI/CD) pipeline required to constantly deliver software in and agile framework, following the required DevSecOps methodology. The migration to the cloud environment and the DevSecOps methodology will transform ARMS into a scalable and flexible system capable of meeting all information requirements of the Aviation Resource Management community.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program elements 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY 2023 \$0.000 million was expended for civilian pay expenses in this program element, and in FY 2024 \$0.000 million is forecast for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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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	2.214	2.265	2.315	0.000	2.315	
Current President's Budget	1.908	2.265	2.319	0.000	2.319	
Total Adjustments	-0.306	0.000	0.004	0.000	0.004	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	-0.224	0.000				
• SBIR/STTR Transfer	-0.082	0.000				
• Other Adjustments	0.000	0.000	0.004	0.000	0.004	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2023	FY 2024	FY 2025
Title: Aviation Resource Management System (ARMS)				1.908	2.265	0.000
Description: Hardware/software development to update ARMS, adding functionality and system interfaces.						
FY 2024 Plans: Continue migrating legacy ARMS capabilities from DISA platform to Cloud One platform; deliver patches as needed to correct system deficiencies or apply required upgrades; and, continue updates to system design, configuration, test, and training.						
FY 2025 Plans: N/A						
FY 2024 to FY 2025 Increase/Decrease Statement: Funding decreased due to decommissioning of software.						
Title: Aviation Resource Tool Enterprise Mission Information System (ARTEMIS)				0.000	0.000	2.319
Description: Software development to update Aircrew Resource Management System through ARTEMIS, adding functionality and system interfaces.						
FY 2024 Plans: N/A						
FY 2025 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Modifying Aircrew Resource Management Systems (ARMS) capabilities to a Cloud One based platform (ARTEMIS); deliver patches as needed to correct system deficiencies, integrate with other platforms, apply required upgrades; and, continue updates to system design, configuration, test, and training. <i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> Funding increased due to ramp up of ARTEMIS efforts.			
Accomplishments/Planned Programs Subtotals	1.908	2.265	2.319

D. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

E. Acquisition Strategy
ARTEMIS utilizes Agile development methodologies to incrementally develop and field enhancements to the existing system. The ARMS PMO utilizes contract programmers for code development/sustainment and government civilians providing program management, engineering, and information technology support. The AF has partnered with the USAF Business Enterprise Systems (BES) Directorate's Business Enterprise Systems Programming Innovation (BESPIN) office to acquire contractor resources that are experts at agile software development in a cloud environment. BESPIN has acquired current contractor support via Section 8a direct award using the United States Digital Services guide and templates on agile development which allowed for an agile acquisition.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force												Date: March 2024				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
3600 / 7				PE 0804743F / Other Flight Training				675304 / Aviation Resource Management System (ARMS)								
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	
Deloitte	C/TBD	TBD : Arlington, VA	-	-		0.000		2.319	Jan 2025	-		2.319	Continuing	Continuing	-	
Subtotal			-	-		0.000		2.319		-		2.319	Continuing	Continuing	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	
Program Assessment	SS/FFP	Cloud to Decommission : Maxwell AFB-Gunter Annex, AL	-	1.064	Apr 2023	1.415	Apr 2024	-		-		-	0.000	2.479	-	
Subtotal			-	1.064		1.415		-		-		-	0.000	2.479	N/A	
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	
ARMS PSC Other Govt Costs	C/TBD	TBD : TBD	-	0.844	Jan 2023	0.850	Jan 2024	0.000	Jan 2025	-		0.000	Continuing	Continuing	-	
Subtotal			-	0.844		0.850		0.000		-		0.000	Continuing	Continuing	N/A	
Project Cost Totals			-	1.908		2.265		2.319		-		2.319	Continuing	Continuing	N/A	
Remarks																

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0804743F / <i>Other Flight Training</i>	Project (Number/Name) 675304 / <i>Aviation Resource Management System (ARMS)</i>

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

ARTEMIS EXHIBIT R-4	
ARMS Program Assessment	
ARMS Cloud Development/Migration	
ARTEMIS Flight module	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ARTEMIS EXHIBIT R-4				
ARMS Program Assessment	1	2023	1	2024
ARMS Cloud Development/Migration	2	2024	4	2024
ARTEMIS Flight module	1	2025	4	2029