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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 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605057F / <i>Next Generation Air-refueling System</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	7.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
652430: <i>Next Generation Tanker Development</i>	-	0.000	7.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Program MDAP/MAIS Code: 387

Note
 Upon passage of FY 2024 appropriations, PE 0605057F, Next Generation Air-Refueling System (NGAS), Project 652430, Next Generation Tanker Development, Budget Activity 5, future tanker support funding will be transferred to PE 0605057F, Next Generation Air-Refueling System (NGAS), Project 640010, Next Generation Air-refueling System (NGAS), Budget Activity 4. This is a transfer of funding from Budget Activity 5 to Budget Activity 4, in order to provide transparency to the pre-MDAP NGAS program.

A. Mission Description and Budget Item Justification
 NGAS is an accelerated, advanced air refueling system that meets the future needs of the joint force. NGAS will deliver adaptive and agile platform(s) and mission systems as part of a tanker Family of Systems by the mid-2030s. Air Mobility Command is currently leading an Analysis of Alternatives (AoA) effort that shapes requirements, refines the program's acquisition strategy, and determines the technology development timeline.

The Air Force's assessment includes clean sheet design(s) and purpose-built aircraft to address projected threats and needed capabilities and leverages benefits of full and open competition. The mission systems will include platform agnostic communications, threat agnostic defensive systems, and agile mission execution. The Department of the Air Force (DAF) will also identify opportunities to integrate the mission systems on KC-46A and Tanker Recapitalization aircraft.

Acquisition Agility Act (AAA) Prototyping separate from a Program of Record (POR).

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 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 has not passed Milestone B approval. Funding and efforts have been transferred to Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

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	7.928	0.000	0.000	0.000
Current President's Budget	0.000	7.928	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Title: Support	0.000	7.928	-
Description: NGAS Mission Support/Program Standup - Studies and analyses to support NGAS planning activities for future initiatives, future tanker replacement planning, and other Program Office support to include but not limited to an Analysis of Alternatives (AoA), market research, acquisition planning, pre-milestone activities, RFP development, test planning, and various studies and analyses.			
FY 2024 Plans: Continuation of AoA activities to include but not limited to market research, acquisition planning, pre-milestone activities, RFP development, test planning, and various studies and analyses for new NGAS tanker development.			
FY 2024 to FY 2025 Increase/Decrease Statement: Funding decrease due to a transfer from Budget Activity 5 to Budget Activity 4, PE 0605057F, NGAS, Project 640010, Next Generation Air-refueling System.			
Accomplishments/Planned Programs Subtotals	0.000	7.928	-

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 04 0605057F: <i>Next Generation Air-refueling System</i>	-	-	7.014	-	7.014	-	-	-	-	0.000	7.014

Remarks

E. Acquisition Strategy

The NGAS platform(s) will be clean sheet design(s) and purpose-built aircraft to address projected threats and needed capabilities and leverages benefits of full and open competition. The yet-to-be determined NGAS acquisition strategy will be based on a future approved CDD requirements and FAR/DFARS compliance. However, the notional acquisition approach is to award Technology Maturation Risk Reduction contracts that mature and develop key future technologies with multiple vendors. In addition, Science and Technology efforts will be funded to develop critical path technologies needed to meet attributes defined in the Advanced Air Refueling ICD to a Technology Readiness Level greater than 5.

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0605057F / <i>Next Generation Air-refueling System</i>	Project (Number/Name) 652430 / <i>Next Generation Tanker Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NGAS				
Analysis of Alternatives	1	2024	4	2024