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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 0305202F / <i>Dragon U-2</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	-	35.170	16.842	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.012
674820: <i>Sensor Development</i>	-	35.170	16.842	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.012
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The U-2S Dragon Lady platform is a high-demand/low-density aircraft equipped with modular sensor and data link systems providing flexibility and mission essential Intelligence, Surveillance, and Reconnaissance (ISR) to the Combatant Commands, Joint and Combined forces, and the Intelligence Community in peacetime and wartime. The program supports core missions such as Sensitive Reconnaissance Operations (outlined in CJCSI 3250.01) supporting the National Defense Strategy, in addition to other missions that include execution of CCMD OPLANs and CONPLANS, Humanitarian Assistance/Disaster Response (HADR), Counter Violent Extremist Organizations, and third-party treaty verification/monitoring via the OLIVE HARVEST mission.

The FY 2025 budget year is the final year that the Air Force has budgeted for the operational capability of the U-2 platform. Previously programmed funds in PE 35202F have been shifted to PE 35206F to support ASARS-2C test/eval and fielding, which will enable vastly improved collection against emerging threats through the remainder of scheduled U-2 operations. This capability and any enhancements will transferable to the broader enterprise.

Additionally, the U-2 program will continue to support emergent and/or experimental RDT&E efforts in support of Joint All-Domain Command and Control [JADC2] and Advanced Battle Management System [ABMS] as a platform surrogate for risk reduction in support of SECAF's Operational Imperative-2 as well as surrogate test for RCO capabilities and Electromagnetic Spectrum Operations technology development.

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	20.170	16.842	0.000	0.000	0.000
Current President's Budget	35.170	16.842	0.000	0.000	0.000
Total Adjustments	15.000	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	15.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

RDT&E funding has been moved to the Airborne Reconnaissance Systems PE (35206F). RDT&E may be obligated on behalf of the ARS PE to facilitate surrogate development and test related to ASARS-2C, CI-6, Wicked Crow, and IMAD efforts for auto target recognition software.

Explanations:

ASARS-2C -- test and development for an advanced synthetic aperture radar processor

CI-6 -- architecture evaluation and test for SIGINT capability

Wicked Crow -- meshed network effort for ACC evaluation

IMAD -- Air Force Research Laboratory test for automatic target recognition software development

35202 received a 4M BTR and 11M MIP reprogramming funds to support the ASARS processor development in support of the ASARS-2C explanation above.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Title: U-2 Aircraft Update Block 20.1	13.670	14.942	0.000
Description: Aircraft and/or sensor enhancement efforts may include activities such as, but not limited to: trade studies, analysis, preliminary system engineering, system and subsystem testing or demonstrations, sensor specification development, avionics system upgrades, mission planning system software and infrastructure migration, advanced and agile systems, Open Mission Systems and Unmanned Aerospace Systems Command and Control Standard Initiative [OMS/UCI] standards compliance and integration, quick reaction capability [QRC] development, enhanced communications/SIGINT system sustainability and modernization, and tactical data-link [L-16, IBS, IFDL, MADL, etc.] efforts to meet operational requirements for the Air Force.			
FY 2024 Plans:			

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>Aircraft sustainment and/or enhancement development includes activities such as, but not limited to:</p> <p>development work to upgrade existing MFDs, expand capabilities of the avionics processor, common mission computers, cockpit displays, multi-level network attached storage devices, and other DMSMS components</p> <p>FY 2025 Plans: 35206F funds may be obligated in support of development and test related to ASARS-2C fielding and advanced mode development.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: RDT&E funds have decreased to zero for FY 2025 in anticipation of U-2 divestiture in FY 2026.</p>			
<p>Title: U-2 Payload Update Block 20.1</p> <p>Description: Aircraft payload development supports sustainment and/or enhancement development includes activities such as, but not limited to: trade studies, analysis, preliminary system engineering, system and subsystem testing or demonstrations, sensor specification development, Advanced Synthetic Aperture Radar System [ASARS] development and test, SIGINT and multi-spectral sensor technical refresh integration and test, defensive systems, sensor range improvements, strategic and tactical data link [L-16, IBS, IFDL, MADL, etc.] design and integration.</p> <p>FY 2024 Plans: Integration and test of advanced backend processor with a new radar front end array / develops exportable advanced modes primarily focused on the highly contested environment</p> <p>FY 2025 Plans: 35206F funds may be obligated in support of development and test related to ASARS-2C fielding and advanced mode development.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: RDT&E funds have decreased to zero for FY 2025 in anticipation of U-2 divestiture in FY 2026.</p>	21.500	1.900	0.000
Accomplishments/Planned Programs Subtotals	35.170	16.842	0.000

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

Remarks

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E. Acquisition Strategy

Acquisition strategy for efforts to support aircraft modification and/or enhancement efforts will be assessed as required, based on current program activities.

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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 0305202F / <i>Dragon U-2</i>	Project (Number/Name) 674820 / <i>Sensor Development</i>
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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

<i>U-2 Dragon Lady</i>	
Advanced Synthetic Aperture Radars System (ASARS)	████████████████████
Data Links Modernization	██████
CI-6 Test	████████████████████
Wicked Crow Test	████████████████████
IMAD Test	████████████████████

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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
<i>U-2 Dragon Lady</i>				
Advanced Synthetic Aperture Radars System (ASARS)	1	2024	2	2025
Data Links Modernization	1	2024	2	2024
CI-6 Test	1	2024	2	2025
Wicked Crow Test	1	2024	2	2025
IMAD Test	1	2024	2	2025