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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

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 0207249F / <i>Precision Attack Systems Procurement</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	8.983	12.083	12.722	0.000	12.722	12.982	13.226	13.504	13.804	Continuing	Continuing
675347: <i>Advanced Targeting Pod</i>	-	8.983	12.083	12.722	0.000	12.722	12.982	13.226	13.504	13.804	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Advanced Targeting Pod (ATP) program includes, but is not limited to, modifying and upgrading LITENING and Sniper precision targeting pods supporting F-15E, F-16, A-10, B-1B, and B-52. Each targeting pod provides long-range target acquisition and expanded weapon delivery envelopes during day, night, and all-weather conditions. Targeting pods are equipped with infrared (IR) sensor, laser designator, digital video, and real-time video data link for connectivity with ground forces. Funds will support integrating ATP technology with aircraft Operational Flight Programs, upgrading pod capability, technical analysis, and testing.

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 0605831F. In FY21 \$0M was expended for civilian pay expenses in this program element, and in FY22 \$0M is forecasted 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.

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	9.244	12.083	0.000	0.000	0.000
Current President's Budget	8.983	12.083	12.722	0.000	12.722
Total Adjustments	-0.261	0.000	12.722	0.000	12.722
• 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	-0.261	0.000			
• Other Adjustments	0.000	0.000	12.722	0.000	12.722

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Change Summary Explanation The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY 2023 cannot be made in a relevant manner.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
Title: Advanced Targeting Pod - Sensor Enhancement (ATP-SE) Requirements		8.983	12.083	0.000
Description: Sensor enhancement and modifications supporting Sniper and LITENING precision targeting pods supporting F-15E, F-16, A-10, B-1B, & B-52. Efforts include design enhancements, test events, and aircraft Operational Flight Program (OFP) integration.				
FY 2022 Plans: Continue developing sensor enhancement improvements on the targeting pods via aircraft integration updates and design modifications.				
FY 2023 Plans: N/A				
FY 2022 to FY 2023 Increase/Decrease Statement: Funding decreased due to program transitioning to a new major thrust titled: Advanced Targeting Pod-Technical Insertion.				
Title: Advanced Targeting Pod-Technical Insertion (ATP-TI) Increment 1		-	0.000	12.722
Description: ATP-TI is not a new start and serves as a continuation effort of the ATP-SE program. Efforts include upgrading the Sniper and LITENING precision target pods, testing, and aircraft integration.				
FY 2022 Plans: FY22 plans documented in the major thrust titled, Advanced Targeting Pod - Sensor Enhancement.				
FY 2023 Plans: Accomplish ATP Operational Flight Program (OFP) requirements, and further technology improvements, requirements definition, studies, analysis and assessments.				
FY 2022 to FY 2023 Increase/Decrease Statement: Funding increased due to pod integration with aircraft OFP updates.				
Accomplishments/Planned Programs Subtotals		8.983	12.083	12.722

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

<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u> <u>Base</u>	<u>FY 2023</u> <u>OCO</u>	<u>FY 2023</u> <u>Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF 05 Line Item 057: <i>Other Aircraft, Precision Attack Systems Modifications</i>	47.447	14.818	9.476	-	9.476	53.374	54.351	55.243	56.439	Continuing	Continuing
• APAF 06 Line Item 000999: <i>Initial Spares/Repair Parts</i>	0.253	3.425	2.292	-	2.292	3.659	3.725	3.786	3.869	Continuing	Continuing

Remarks

E. Acquisition Strategy

The Advanced Targeting Pod (ATP) acquisition strategy consists several development contracts that use a firm-fixed pricing approach.

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement	Project (Number/Name) 675347 / Advanced Targeting Pod

FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

ATP-SE	
FY21 OFP Integration	
FY22 OFP Integration	
ATP-TI	
FY23 OFP Integration	
FY24 OFP Integration	
FY25 OFP Integration	
FY26 OFP Integration	
FY27 OFP Integration	

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force		Date: April 2022
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ATP-SE				
FY21 OFP Integration	2	2021	2	2022
FY22 OFP Integration	2	2022	2	2023
ATP-TI				
FY23 OFP Integration	2	2023	2	2024
FY24 OFP Integration	2	2024	2	2025
FY25 OFP Integration	2	2025	2	2026
FY26 OFP Integration	2	2026	2	2027
FY27 OFP Integration	2	2027	4	2027