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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force **Date:** May 2021

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	10.395	9.244	12.083	0.000	12.083	-	-	-	-	-	-
675347: <i>Advanced Targeting Pod</i>	-	10.395	9.244	12.083	0.000	12.083	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATPs feature an infrared (IR) sensor, charged coupled device television (CCD-TV), laser designator, eye-safe laser, laser spot tracker, infrared marker, and real-time video data link for connectivity with ground forces. As non-developmental items, the majority of improvements to ATPs are the result of investments made by industry Internal Research and Development (IRAD). In addition to operational flight program (OFP) development, this funding provides for the development and integration of capabilities which are either above the capabilities of the industrial base or that require accelerated development timelines in order to meet operational requirements. It also includes program management support, technical analysis, studies and assessments necessary to support the development and integration of future capabilities. Data-linking is one such area where there is an identified gap between industrial capabilities and operational requirements. Additional development efforts will be structured to support the documented ATP requirements as well as urgent operational needs (UONs) as they become known.

This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute, and deliver precision attack for emergent or unanticipated weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605831F.

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	10.696	9.261	12.264	0.000	12.264
Current President's Budget	10.395	9.244	12.083	0.000	12.083
Total Adjustments	-0.301	-0.017	-0.181	0.000	-0.181
• Congressional General Reductions	0.000	-0.017			
• 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	-0.301	0.000			
• Other Adjustments	0.000	0.000	-0.181	0.000	-0.181

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Change Summary Explanation

No Significant Changes

C. Accomplishments/Planned Programs (\$ in Millions)

	FY 2020	FY 2021	FY 2022
Title: Advanced Targeting Pod - Sensor Enhancement (ATP-SE) Requirements	10.395	9.244	12.083
Description: ATP-SE technology improvements, requirements definition (studies, analysis and assessments).			
FY 2021 Plans: Accomplish ATP-SE Operational Flight Program (OFP) requirements, and further technology improvements, requirements definition, studies, analysis and assessments.			
FY 2022 Plans: Accomplish ATP-SE Operational Flight Program (OFP) requirements, and further technology improvements, requirements definition, studies, analysis and assessments.			
FY 2021 to FY 2022 Increase/Decrease Statement: Funding increased in FY 2022 due to planned activities for developing operational flight programs (OFP) for LITENING and Sniper pods and the development and integration of capabilities to meet operational requirements.			
Accomplishments/Planned Programs Subtotals	10.395	9.244	12.083

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

	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• APAF 05 Line Item 057: <i>Other Aircraft, Precision Attack Systems Modifications</i>	43.482	44.367	14.818	-	14.818	-	-	-	-	-	-
• APAF 06 Line Item 000999: <i>Initial Spares/Repair Parts</i>	3.367	3.423	3.425	-	3.425	-	-	-	-	-	-

Remarks

E. Acquisition Strategy

Current OFP development contract utilizes a firm-fixed price contract.

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Air Force		Date: May 2021
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 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
	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																												
FY20 OFP Integration		█	█	█																								
FY21 OFP Integration					█	█	█	█																				
FY22 OFP Integration									█	█	█	█																
FY23 OFP Integration													█	█	█	█												
FY24 OFP Integration																█	█	█	█									
FY25 OFP Integration																				█	█	█	█					
FY26 OFP Integration																										█	█	

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207249F / <i>Precision Attack Systems Procurement</i>	Project (Number/Name) 675347 / <i>Advanced Targeting Pod</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ATP-SE				
FY20 OFP Integration	2	2020	2	2021
FY21 OFP Integration	2	2021	2	2022
FY22 OFP Integration	2	2022	2	2023
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	4	2026