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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207249F I Precision Attack Systems Procurement							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	1.064	0.649	1.714	0.000	1.714	15.004	10.777	11.188	12.372	Continuing	Continuing
675347: Advanced Targeting Pod	-	1.064	0.649	1.714	0.000	1.714	15.004	10.777	11.188	12.372	Continuing	Continuing
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 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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	1.105	0.649	1.124	0.000	1.124
Current President's Budget	1.064	0.649	1.714	0.000	1.714
Total Adjustments	-0.041	0.000	0.590	0.000	0.590
• 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	-0.002	0.000			
• SBIR/STTR Transfer	-0.039	0.000			
• Other Adjustments	0.000	0.000	0.590	0.000	0.590

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C. Accomplishments/Planned Programs (\$ in Millions)									FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Advanced Targeting Pod - Sensor Enhancement (ATP-SE) Requirements									1.064	0.649	1.714	0.000	1.714
Description: ATP-SE technology improvements, requirements definition (studies, analysis and assessments).													
FY 2016 Accomplishments: Accomplished further ATP-SE technology improvements, requirements definition, studies, analysis and assessments.													
FY 2017 Plans: Accomplish further ATP-SE technology improvements, requirements definition, studies, analysis and assessments.													
FY 2018 Base Plans: Accomplish further ATP-SE technology improvements, requirements definition, studies, analysis and assessments.													
As the pod fleet meets the user requirement and updates near completion, the funding for OFP updates was redirected from 3010 to 3600 funds.													
FY 2018 OCO Plans: N/A													
Accomplishments/Planned Programs Subtotals									1.064	0.649	1.714	0.000	1.714
D. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost		
• APAF: BA05: Line Item #057: Other Aircraft, Precision Attack Systems Modifications	37.987	0.821	43.857	0.000	43.857	42.838	43.827	45.286	15.256	Continuing	Continuing		
• APAF: BA06: Line Item #000999: Initial Spares/Repair Parts	0.000	1.445	3.284	0.000	3.284	3.337	3.394	3.457	3.526	Continuing	Continuing		
• APAF: BA07: Line Item #000751: Other Production Charges	14.024	24.149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing		
Remarks													

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E. Acquisition Strategy N/A		
F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		