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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force										Date: February 2018		
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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.625	1.714	14.891	0.000	14.891	10.696	11.104	12.283	12.507	Continuing	Continuing
675347: Advanced Targeting Pod	-	0.625	1.714	14.891	0.000	14.891	10.696	11.104	12.283	12.507	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 element may include necessary civilian pay expenses required to manage, execute, and deliver ATP weapon system capability.

"This program element may include necessary civilian pay expenses required to manage, execute, and deliver precision attack weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, and 0605898F."

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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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			
B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.649	1.714	15.004	0.000	15.004
Current President's Budget	0.625	1.714	14.891	0.000	14.891
Total Adjustments	-0.024	0.000	-0.113	0.000	-0.113
• 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	-0.024	0.000	-0.113	0.000	-0.113
Change Summary Explanation					
No Significant Changes					
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Advanced Targeting Pod - Sensor Enhancement (ATP-SE) Requirements	0.625	1.714	14.891	0.000	14.891
Description: ATP-SE technology improvements, requirements definition (studies, analysis and assessments).					
FY 2018 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.					
N/A					
FY 2019 Base Plans:					
Accomplish further ATP-SE technology improvements, requirements definition, studies, analysis and assessments.					

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2019 Air Force				<b>Date:</b> February 2018							
<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>			<b>R-1 Program Element (Number/Name)</b> PE 0207249F <i>I Precision Attack Systems Procurement</i>								
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>											
			<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>				
As the pod fleet meets the user requirement and updates near completion, the funding for OFP updates was redirected from 3010 to 3600 funds.											
<b>FY 2019 OCO Plans:</b> N/A											
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Continue improvements											
<b>Accomplishments/Planned Programs Subtotals</b>			0.625	1.714	14.891	0.000	14.891				
<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APAF 05 Line Item 057: <i>Other Aircraft, Precision Attack Systems Modifications</i>	0.821	43.857	42.489	-	42.489	43.482	44.908	15.129	-	Continuing	Continuing
• APAF 06 Line Item 000999: <i>Initial Spares/Repair Parts</i>	1.445	3.284	3.310	-	3.310	3.367	3.428	3.497	-	Continuing	Continuing
• APAF 07 Line Item 000751: <i>Other Production Charges</i>	24.149	-	0.000	-	0.000	0.000	0.000	0.000	-	Continuing	Continuing
<b>Remarks</b>											
<b>E. Acquisition Strategy</b> N/A											
<b>F. Performance Metrics</b> 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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force												Date: February 2018			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement				Project (Number/Name) 675347 / Advanced Targeting Pod					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Improvement, Tech Analysis, Studies & Assessments	C/FFP	Multiple : Various	-	0.625	Feb 2017	-		13.241		-		13.241	Continuing	Continuing	-
Subtotal			-	0.625		-		13.241		-		13.241	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Not specified.	C/FFP	Multiple : Various	-	-		1.714		1.650		-		1.650	Continuing	Continuing	-
Subtotal			-	-		1.714		1.650		-		1.650	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	C/FFP	Multiple : Various	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	-		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	0.625		1.714		14.891		-		14.891	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force Date: February 2018

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207249F / Precision Attack Systems Procurement	Project (Number/Name) 675347 / Advanced Targeting Pod
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	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
<b>No project title.</b>																												
Sniper ATP-SE Digital Video																												
Future ATP-SE Enhancements																												
FY18 OFP Integration																												
FY19 OFP Integration																												
FY20 OFP Integration																												
FY21 OFP Integration																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Air Force			<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207249F / <i>Precision Attack Systems Procurement</i>	<b>Project (Number/Name)</b> 675347 / <i>Advanced Targeting Pod</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>No project title.</i></b>				
Sniper ATP-SE Digital Video	1	2017	3	2017
Future ATP-SE Enhancements	1	2017	4	2020
FY18 OFP Integration	2	2018	1	2020
FY19 OFP Integration	2	2019	1	2021
FY20 OFP Integration	2	2020	1	2022
FY21 OFP Integration	2	2021	1	2023