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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 0207040F I Multi-Platform Electronic Warfare Equipment							
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	-	3.980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675310: EA Pod DRFM Upgrade	-	3.980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Overall this program element(PE) funds on-going sustainment, maintenance, and upgrades of Multi-Platform Electronic Attack (EA) jamming pods and associated combat test equipment as well as sustainment of various other Electronic Warfare equipment. Specifically, this program provides procurement, research, and development, and operations and maintenance for sustaining the ALQ-131 and ALQ-184 EA jamming pods. These pods are the sole self-protection jamming systems for the US Air Force A-10 aircraft and most models of the F-16 aircraft. This upgrade to the EA pod is necessary to keep pace with adversary technological advances in surface-to-air and air-to-air missile systems. Digital Radio Frequency Memory (DRFM) allows an electronic system to digitally record and store characteristics of received signals in order to produce a jamming pulse that more precisely replicated the threat system's pulse. The PE is in Budget Activity 7 - Operational System Development because it supports upgrade development of the A-10 and F-16 pods which are fielded systems.												
B. Program Change Summary (\$ in Millions)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total				
Previous President's Budget				0.000	0.000	0.000	0.000	0.000				
Current President's Budget				3.980	0.000	0.000	0.000	0.000				
Total Adjustments				3.980	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				3.980	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	0.000	0.000	0.000				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2016	FY 2017	FY 2018	
Title: EA Pod Upgrade									3.980	-	-	
Description: DRFM upgrade to the AN/ALQ-131												
FY 2016 Accomplishments:												

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C. Accomplishments/Planned Programs (\$ in Millions)								FY 2016	FY 2017	FY 2018	
Testing Support											
Accomplishments/Planned Programs Subtotals								3.980	-	-	
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: BA 07: Line Item #	25.395	61.522	1.103	0.000	1.103	60.079	43.462	44.262	45.149	Continuing	Continuing
000075: <i>Other Production Charges</i>											
Remarks											
E. Acquisition Strategy											
All major contracts within this project will be awarded through full and open competition											
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.											