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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					PE 0604618F I Joint Direct Attack Munition							
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	0.000	0.000	9.901	0.000	0.000	0.000	15.906	0.000	8.001	0.000	0.000	33.808
653891: JDAM M-Code Integration	0.000	0.000	9.901	0.000	0.000	0.000	15.906	0.000	8.001	0.000	0.000	33.808
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
M-code and Enhanced Anti-Jam (EAJ) develops and integrates advanced precision, navigation, and timing (PNT) capabilities to provide the capability to operate in adversarial anti-access/area denial (A2/AD). M-Code with EAJ also provides increased accuracy, better signal acquisition, and advanced security.												
This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production												
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	9.901	14.856	0.000	14.856				
Current President's Budget				0.000	9.901	0.000	0.000	0.000				
Total Adjustments				0.000	0.000	-14.856	0.000	-14.856				
• 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				0.000	0.000	-14.856	0.000	-14.856				
Change Summary Explanation												
FY2018 decrease \$14.856M ZBT to PE 0604201F, BPAC 641030, PEC GPS Receiver Development.												
C. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
Title: M-Code/Enhanced Anti-Jam (EAJ)										-	9.901	-

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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604618F <i>I Joint Direct Attack Munition</i>						
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2016	FY 2017	FY 2018	
Description: M-code and Enhanced Anti-Jam (EAJ) develops and integrates advanced precision, navigation, and timing (PNT) capabilities to provide the capability to operate in adversarial anti-access/area denial (A2/AD). M-Code with EAJ also provides increased accuracy, better signal acquisition, and advanced security.											
FY 2017 Plans: Develop M-Code with Enhanced Anti-Jam (EAJ) receiver.											
Accomplishments/Planned Programs Subtotals								-	9.901	-	
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u> <u>Base</u>	<u>FY 2018</u> <u>OCO</u>	<u>FY 2018</u> <u>Total</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE: BA04: PE 0604201F: <i>Integrated Avionics</i> <i>Planning and Development</i>	0.000	0.000	60.400	0.000	60.400	15.000	0.000	0.000	0.000	0.00	0.000
Remarks											
E. Acquisition Strategy M-code/EAJ effort will be under multiple contract awards.											
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.											