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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force **Date:** February 2016

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>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	9.901	0.000	9.901	14.856	31.199	0.000	0.000	0.000	55.956
653891: <i>M-Code Integration</i>	0.000	0.000	0.000	9.901	0.000	9.901	14.856	31.199	0.000	0.000	0.000	55.956
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 05 PE 0604618F, project 653891, M-Code, is a new start.

A. Mission Description and Budget Item Justification

M-code provides an enhanced anti-jam capability. M-Code will provide the ability to operate in increasing adversarial A2/AD jam environment. M-Code also provides increased accuracy, better signal acquisition, and advanced security.

B. Program Change Summary (\$ in Millions)

	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	9.901	0.000	9.901
Total Adjustments	0.000	0.000	9.901	0.000	9.901
• 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	9.901	0.000	9.901

Change Summary Explanation

FY17 increase for M-code development

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: M-Code	0.000	0.000	9.901	0.000	9.901

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p>Description: M-code provides an enhanced anti-jam capability. M-Code will provide the ability to operate in increasing adversarial A2/AD jamming environment. M-Code also provides increased accuracy, better signal acquisition, and advanced security.</p> <p>FY 2015 Accomplishments: N/A</p> <p>FY 2016 Plans: N/A</p> <p>FY 2017 Base Plans: Development/integration of M-Code Receiver for all JDAM variants.</p> <p>FY 2017 OCO Plans: N/A</p>					
Accomplishments/Planned Programs Subtotals	0.000	0.000	9.901	0.000	9.901

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• none: <i>None</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-

Remarks

E. Acquisition Strategy
Effort will be sole source award under existing IDIQ contract.

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
3600 / 5				PE 0604618F / Joint Direct Attack Munition				653891 / M-Code Integration							
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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
M-Code Receiver Development/Integration	SS/TBD	Boeing : St Louis, MO	0.000	0.000		0.000		8.713	Mar 2017	0.000		8.713	40.528	49.241	49.241
Subtotal			0.000	0.000		0.000		8.713		0.000		8.713	40.528	49.241	49.241
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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
Government Support	Various	Several Govt Labs and Test Centers : Eglin AFB, FL	0.000	0.000		0.000		0.668	Oct 2016	0.000		0.668	1.036	1.704	1.704
Subtotal			0.000	0.000		0.000		0.668		0.000		0.668	1.036	1.704	1.704
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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
M-Code Test and Evaluation Activities	Various	various : Eglin AFB, FL	0.000	0.000		0.000		0.223	Jun 2017	0.000		0.223	3.109	3.332	3.332
Subtotal			0.000	0.000		0.000		0.223		0.000		0.223	3.109	3.332	3.332
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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 Management Administration (PMA) for M-Code	Various	AFLCMC/EBD : Eglin AFB, FL	0.000	0.000		0.000		0.297	Oct 2016	0.000		0.297	1.382	1.679	1.679
Subtotal			0.000	0.000		0.000		0.297		0.000		0.297	1.382	1.679	1.679

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604618F / <i>Joint Direct Attack Munition</i>	Project (Number/Name) 653891 / <i>M-Code Integration</i>
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
M-Code Receiver Development/Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604618F / <i>Joint Direct Attack Munition</i>	Project (Number/Name) 653891 / <i>M-Code Integration</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
M-Code Receiver Development/Integration	1	2017	4	2020