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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force											Date: February 2015	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0604618F <i>I Joint Direct Attack Munition</i>							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	0.000	-	2.469	-	-	-	-	-	-	-	-	2.469
674138: <i>JDAM DEVELOPMENT</i>	0.000	-	2.469	-	-	-	-	-	-	-	-	2.469
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 503 Project MDAP/MAIS Code(s): N42												
<p>Note In FY 2015, PE 0604618F, JDAM Development and Prototyping, Project 674138, JDAM Development efforts were transferred to PE 0604618F, JDAM Development and Prototyping, Project 674138, JDAM Development, in order to properly align budget activity.</p> <p>A. Mission Description and Budget Item Justification The 5000 lb demonstration is an integration of BLU-113 warhead with a Joint Direct Attack Munition (JDAM) tail kit, scaled if necessary from smaller or larger warhead control design, to provide accurate, precision, reliable, hard target penetration capability. The required accuracy shall be "JDAM like" as defined by the operational requirements community. The greater overall system performance will tighten dispersion capability where multiple weapons are released from the same aircraft on the same pass, and hit the same impact crater. The BLU-113 is an objective requirement of the 2002 JDAM Operational Requirements Document (ORD). Weapon system will have an identical Concept of Operations (CONOPS) as existing USAF inventory for Global Positioning System-aided Inertial Navigation System (GPS-aided INS) weapons, and compatibility with aircraft Operational Flight Profile (OFP).</p> <p>BA-07 - 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."</p>												

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B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		-	2.469	-	-	-
Current President's Budget		-	2.469	-	-	-
Total Adjustments		-	-	-	-	-
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	-	-	-
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016
Title: JDAM				-	2.469	-
Description: The 5000 lb demonstration is an integration of the BLU-113 warhead with a guidance kit that provides accurate, reliable, tight dispersion, hard target penetration capability. JDAM accuracy expands the drill down CONOPS used by the GBU-31 (2000 lb class warhead) to a 5000 lb concept, holding harder and deeper targets at risk. This is an objective requirement of the 2001 JDAM ORD. The 5000 lb weapon expands USG capability using JDAM proven performance, identical CONOPS as existing JDAM inventory, and compatibility with aircraft Operational Flight Profile (OFP). 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.						
FY 2014 Accomplishments: N/A						
FY 2015 Plans: Design a BLU-113 conversion kit including BLU-113 strake assembly, BLU-113 umbilical cover, and BLU-113 wire harness extension and develop a unique Operational Flight Profile (OFP) with modified autopilot that provides JDAM like performance.						
N/A						
Accomplishments/Planned Programs Subtotals				-	2.469	-

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D. Other Program Funding Summary (\$ in Millions)												
	<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
	• RDT&E:BA04: PE 0604618F: <i>JDAM DEVELOPMENT</i>	2.417	-	-	-	-	-	-	-	-	-	-
Remarks N/A												
E. Acquisition Strategy Effort will be competed and executed under a firm fixed price.												
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 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0604618F / Joint Direct Attack Munition						Project (Number/Name) 674138 / JDAM DEVELOPMENT			
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
2.3Software Development and Hardware Fabrication	C/TBD	TBD : ,	0.000	-		0.787	Jun 2016	-		-		-	-	0.787	0.647
Subtotal			0.000	-		0.787		-		-		-	-	0.787	0.647
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Wind Tunnel Test	Various	TBD : ,	0.000	-		0.737	Apr 2015	-		-		-	-	0.737	0.455
Flight Test	Various	96th Test Wing : Eglin AFB, FL	0.000	-		0.770	Jul 2015	-		-		-	-	0.770	0.374
Subtotal			0.000	-		1.507		-		-		-	-	1.507	0.829
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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)	Various	AFLCM/EBDJ : Eglin AFB, FL	0.000	-		0.175	Apr 2015	-		-		-	-	0.175	-
Subtotal			0.000	-		0.175		-		-		-	-	0.175	-
Project Cost Totals			0.000	-		2.469		-		-		-	-	2.469	1.476

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	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force																Date: February 2015			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0604618F / <i>Joint Direct Attack Munition</i>								Project (Number/Name) 674138 / <i>JDAM DEVELOPMENT</i>			

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Design of the JDAM tail kit for the 5,000 lbs bomb																												
Conduct Wind Tunnel Testing																												
Order Long Lead Items																												
Fabrication of Test Assets																												
Environmental Qualification Testing																												
Autopilot																												
Intefgration on F-15E																												
Flight Testing (test drops)																												
Analysis of Test Results																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0604618F / <i>Joint Direct Attack Munition</i>	Project (Number/Name) 674138 / <i>JDAM DEVELOPMENT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Design of the JDAM tail kit for the 5,000 lbs bomb	2	2015	3	2016
Conduct Wind Tunnel Testing	2	2015	3	2016
Order Long Lead Items	3	2015	3	2015
Fabrication of Test Assets	3	2015	4	2015
Environmental Qualification Testing	2	2016	3	2016
Autopilot	2	2015	3	2016
Intefgration on F-15E	2	2016	2	2016
Flight Testing (test drops)	2	2016	3	2016
Analysis of Test Results	2	2016	3	2016