

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604618F I Joint Direct Attack Munition							
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	2.417	-	-	-	-	-	-	-	-	-	2.417
641200: JDAM DEVELOPMENT & PROTOTYPING	0.000	2.417	-	-	-	-	-	-	-	-	-	2.417
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 503 Project MDAP/MAIS Code(s): N42												
Note In FY2015, PE 0604618F Joint Direct Attack Munition Project 641200 JDAM Development & Prototyping efforts were transferred to Budget Activity 07 PE 0604618F Joint Direct Attack Munition Project 641200 JDAM Development & Prototyping to better align efforts to upgrade a system that have been fielded.												
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 in the 2002 ORD 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). This program is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force				Date: February 2015				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 Program Element (Number/Name) PE 0604618F I Joint Direct Attack Munition						
B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total		
Previous President's Budget		2.500	-	-	-	-		
Current President's Budget		2.417	-	-	-	-		
Total Adjustments		-0.083	-	-	-	-		
• Congressional General Reductions		-	-					
• Congressional Directed Reductions		-	-					
• Congressional Rescissions		-	-					
• Congressional Adds		-	-					
• Congressional Directed Transfers		-	-					
• Reprogrammings		-	-					
• SBIR/STTR Transfer		-0.083	-					
• Other Adjustments		-	-	-	-	-		
Change Summary Explanation								
No significant changes.								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: 5,000 lbs JDAM demo				2.417	-	-	-	-
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. With this capability, JDAM accuracy expands to a 5000 lb bomb, holding harder and deeper targets at risk.								
FY 2014 Accomplishments: Design and test of the JDAM kit for the 5,000 lbs bomb demonstration.								
FY 2015 Plans: N/A								
FY 2016 Base Plans: N/A								
Accomplishments/Planned Programs Subtotals				2.417	-	-	-	-

UNCLASSIFIED

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</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604618F <i>I Joint Direct Attack Munition</i>
---	---

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>
• RDTE: BA07: PE 0604618F: <i>Joint Direct Attack Munition</i>	-	2.469	-	-	-	-	-	-	-	-	2.468
• PAAF: BA01: Line Item #353620: <i>Joint Direct Attack Munition</i>	250.469	228.439	374.688	184.412	559.100	306.158	205.542	295.963	373.855	-	-

Remarks

E. Acquisition Strategy

Competitive with a Firm Fixed Price (FFP) 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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0604618F / Joint Direct Attack Munition						Project (Number/Name) 641200 / JDAM DEVELOPMENT & PROTOTYPING			

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
Software Development and Hardware Fabrication	SS/FFP	TBD : TBD,	0.000	2.254	Feb 2015	-		-		-		-	-	2.254	-
Subtotal			0.000	2.254		-		-		-		-	-	2.254	-

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
Subtotal			-	-		-		-		-		-	-	-	-

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 Administartion (PMA)	Various	Various : Various,	0.000	0.163	Apr 2014	-		-		-		-	-	0.163	-
Subtotal			0.000	0.163		-		-		-		-	-	0.163	-

			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	2.417	-	-	-	-	-	2.417	-

Remarks											

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604618F / Joint Direct Attack Munition	Project (Number/Name) 641200 / JDAM DEVELOPMENT & PROTOTYPING	

	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
Requirements Development																												
Airframe Design																												
Hardware Fabrication																												
Wind Tunnel Testing																												
Aero Database Development																												
Autopilot and OFP Development																												
Weapons Build-up																												
Flight Certification																												
Flight Test																												
Quick Look Analysis Report																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0604618F / <i>Joint Direct Attack Munition</i>	Project (Number/Name) 641200 / <i>JDAM DEVELOPMENT & PROTOTYPING</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Requirements Development	3	2014	4	2014
Airframe Design	2	2015	3	2016
Hardware Fabrication	1	2016	1	2016
Wind Tunnel Testing	3	2015	3	2015
Aero Database Development	2	2015	3	2016
Autopilot and OFP Development	2	2015	3	2016
Weapons Build-up	1	2016	1	2016
Flight Certification	2	2016	2	2016
Flight Test	2	2016	3	2016
Quick Look Analysis Report	4	2016	4	2016