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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army	Date: March 2014
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605450A / Joint Air-to-Ground Missile (JAGM)
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	9.686	15.119	83.838	-	83.838	67.757	23.451	2.420	0.005	Continuing	Continuing
JA6: Joint Air-To-Ground Missile (JAGM)	-	9.686	15.119	83.838	-	83.838	67.757	23.451	2.420	0.005	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Joint Air-to-Ground Missile (JAGM) program is an Army led, ACAT 1C program with joint interest with the U.S. Marine Corps (USMC) and U.S. Navy to develop the next generation of aviation launched missile to replace the HELLFIRE laser and Longbow radar missiles. JAGM can overcome adverse weather, jamming and advanced countermeasures in both land and maritime combat environments.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	10.000	15.127	91.571	-	91.571
Current President's Budget	9.686	15.119	83.838	-	83.838
Total Adjustments	-0.314	-0.008	-7.733	-	-7.733
• Congressional General Reductions	-0.013	-0.008			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.301	-			
• Adjustments to Budget Years	-	-	-7.733	-	-7.733

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605450A / Joint Air-to-Ground Missile (JAGM)				Project (Number/Name) JA6 / Joint Air-To-Ground Missile (JAGM)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
JA6: Joint Air-To-Ground Missile (JAGM)	-	9.686	15.119	83.838	-	83.838	67.757	23.451	2.420	0.005	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification The Joint Air-to-Ground Missile (JAGM) program is an Army led, ACAT 1C program with joint interest with the U.S. Marine Corps (USMC) and U.S. Navy to develop the next generation of aviation launched missile to replace the HELLFIRE laser and Longbow radar missiles. JAGM can overcome adverse weather, jamming and advanced countermeasures in both land and maritime combat environments.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Preliminary Design Review (PDR) Articles: Description: The JAGM Product Office will review the Preliminary Design and Design Verification Test results. FY 2013 Accomplishments: The JAGM Product Office and contractors prepared and conducted preliminary design review and design verification testing. Results indicated the system is ready to proceed into detailed design and can meet stated performance requirements within cost and schedule.									5.000	-	-	
									-	-	-	
Title: Milestone (MS) B Preparation Articles: Description: The JAGM Product Office will prepare documentation for MS B decision. FY 2013 Accomplishments: The JAGM Product Office began preparing documentation for MS B. FY 2014 Plans: The JAGM Product Office will continue to prepare documentation for a MS B. FY 2015 Plans:									4.686	4.919	11.238	
									-	-	-	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
The JAGM Product Office will complete documentation for MS B and an EMD Request for Proposal (RFP). Additionally the office will conduct a Source Selection Evaluation Board (SSEB) in response to the RFP. MS B decision expected mid-FY15.			
Title: Critical Design Review (CDR), Component Qualification Testing (CQT), System Integration and Qualification Testing Articles:		-	10.200
Description: The JAGM Product Office will integrate the JAGM Guidance Section to the HELLFIRE missile backend and perform System Qualification testing. FY 2014 Plans: The CDR and CQT will be completed in FY 14. The JAGM Product Office will integrate the JAGM Guidance section to the HELLFIRE missile backend and perform System Qualification Testing. The required testing includes Temperature and Vibration, Electromagnetic Environmental Effects (E3), Tower/Captive Flight Testing, Lethality Testing and use of hardware-in-the-loop facilities to evaluate missile performance. FY 2015 Plans: The JAGM Product Office and prime contractor will continue System Qualification Testing that includes E3 and Tower/Captive Flight Testing. The Government will conduct ground launched flight tests of the missile as a risk reduction effort prior to EMD.		-	-
Title: Engineering, Manufacturing & Development (EMD) Contract Award Description: The JAGM prime contractor will conduct qualification of the production line and deliver missiles to support both Developmental and Operational Testing. The prime contractor will support government led activities to qualify the JAGM on the AH-64 Longbow Apache. FY 2015 Plans: The JAGM prime contractor will establish subcontracts, procure hardware and initiate production of the JAGM missile. The prime contractor will support airworthiness qualification of the JAGM missile on the AH-64 Longbow Apache.		-	38.200
Title: System Critical Design Review (CDR) Description: System CDR occurs in the EMD phase. Assess the JAGM system final design as captured in product specifications. Ensures that each item in the product baseline has been captured in the detailed design documentation. FY 2015 Plans: The JAGM Product Office and the prime contractor will prepare for and conduct the JAGM System CDR.		-	6.000
Title: Engineering, Manufacturing & Development (EMD) Aircraft Qualification and Missile Developmental Testing		-	12.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2013	FY 2014	FY 2015	
Description: The Government will conduct system developmental testing and aircraft qualification testing.											
FY 2015 Plans: The JAGM Product Office will conduct warhead lethality testing, integrated flight simulations, captive carry testing and missile flight testing. The JAGM Product Office, platform product office and platform prime contractor will conduct aircraft qualification testing. Test data and interface requirements will support initial airworthiness qualification required for testing on AH-64 Longbow Apache.											
Accomplishments/Planned Programs Subtotals								9.686	15.119	83.838	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• C7030200: JAGM Missile Procurement; SSN C7030200	-	-	-	-	-	4.961	51.588	71.955	110.908	Continuing	Continuing
Remarks											
D. Acquisition Strategy The JAGM Acquisition Strategy is being updated to define the program's EMD phase and Low Rate Initial Production (LRIP) required to achieve Initial Operational Capability (IOC) in FY18 and Full Operational Capability (FOC) in FY22. The Army funded JAGM EMD phase consists of qualifying the JAGM production line and qualification on the AH-64 Longbow Apache. The Army will demonstrate all performance requirements for the JAGM system including maritime capabilities prior to MS C and Full Rate Production decisions.											
E. Performance Metrics N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605450A / Joint Air-to-Ground Missile (JAGM)				Project (Number/Name) JA6 / Joint Air-To-Ground Missile (JAGM)					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
System Eng/ Project Management	C/LH	Various : Performers	29.858	4.426	Dec 2012	6.045	Dec 2013	20.070	Nov 2014	-		20.070	-	60.399	-
Subtotal			29.858	4.426		6.045		20.070		-		20.070	-	60.399	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
TD Prime Contract	C/FFP	TD : Prime Contract	371.319	-		-		8.568	Nov 2014	-		8.568	-	379.887	-
Rocket Motor IM Qual	C/CPFF	Defense Ordnance Technology Consortium (DOTC) : Picatinny Arsenal, NJ	30.534	-		-		-		-		-	-	30.534	-
Electro-Mechanical Control Actuator System (EMCAS)	C/CPFF	Defense Ordnance Technology Consortium (DOTC) : Picatinny Arsenal, NJ	4.033	-		-		-		-		-	-	4.033	-
Integrated Warhead	C/CPFF	Defense Ordnance Technology Consortium (DOTC) : Picatinny Arsenal, NJ	2.982	-		-		-		-		-	-	2.982	-
Development Engineering	C/LH	Various : Performers	17.644	3.428	Feb 2013	1.979	Feb 2014	-		-		-	-	23.051	-
EMD Prime Contract	TBD	TBD; : TBD	0.000	-		-		43.200	May 2015	-		43.200	-	43.200	-
Subtotal			426.512	3.428		1.979		51.768		-		51.768	-	483.687	-
Remarks (C / FFP) - Competitive / Firm Fixed Price (C / CPFF) - Competitive / Cost-Plus Fixed Fee (C / LH) - Labor Hour															

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Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Other Gov Agencies	C/LH	Various : Performers	13.906	1.832	Dec 2012	7.095	Dec 2013	12.000	Nov 2014	-		12.000	-	34.833	-
Subtotal			13.906	1.832		7.095		12.000		-		12.000	-	34.833	-

	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	470.276	9.686		15.119		83.838		-		83.838	-	578.919	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0605450A / Joint Air-to-Ground Missile (JAGM)		
			Project (Number/Name) JA6 / Joint Air-To-Ground Missile (JAGM)		

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
PDR																												
Final Design and Design Verification Test																												
CDR																												
Component Qualification Testing																												
System Qualification Testing																												
MS Decision Preparation																												
MS B Decision																												
EMD																												
MS C Decision																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605450A / <i>Joint Air-to-Ground Missile (JAGM)</i>	Project (Number/Name) JA6 / <i>Joint Air-To-Ground Missile (JAGM)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
PDR	2	2013	2	2013
Final Design and Design Verification Test	2	2013	1	2014
CDR	2	2014	2	2014
Component Qualification Testing	2	2014	4	2014
System Qualification Testing	3	2014	2	2015
MS Decision Preparation	1	2013	3	2015
MS B Decision	3	2015	3	2015
EMD	3	2015	2	2017
MS C Decision	2	2017	2	2017