Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

PE 0605450A: Joint Air-to-Ground Missile (JAGM)

BA 5: Development & Demonstration (SDD)

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	114.817	126.775	130.340	0.000	130.340	127.534	136.692	109.476	57.084	Continuing	Continuing
JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)	114.817	126.775	130.340	0.000	130.340	127.534	136.692	109.476	57.084	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Joint Air-to-Ground Missile (JAGM) is an air-launched missile system that provides advanced line-of-sight (LOS) and beyond-line-of-sight (BLOS) capabilities, including precision point and fire-and-forget (active and passive) seeker targeting technologies; increased range; and increased lethality against soft and hardened moving and stationary targets. The system will be used with fixed-wing aircraft, rotary-wing aircraft, and unmanned aircraft systems (UAS). The JAGM System will replace aviation-launched TOW, the HELLFIRE family of missiles, and the Navy's Maverick family of missiles. JAGM is a joint program with the Army, Navy and USMC that addresses rotary/fixed wing and UAS requirements. The Army is funding missile development and integration to Army unique platforms with the Navy funding their platform integration requirements. The Super Hornet (F/A 18E/F), the Apache (AH-64D), and the Super Cobra (AH-1Z) are Milestone C threshold platforms with integration occurring no later than (NLT) the end of FY13 and Initial Operational Capability (IOC) beginning NLT the end of FY16. Other threshold platforms are the Seahawk (MH-60R) and Extended Range Multi Purpose (ERMP) UAS, and an Army Light Armed Scout Helicopter. MH-60R integration occurs NLT FY14. Integration timelines for ERMP and the Light Armed Scout Helicopter are notional and will be updated prior to Milestone B as those programs mature. JAGM will increase the Warfighter's operational flexibility by effectively engaging a variety of stationary and mobile targets on the battlefield, including advanced heavy/light armored vehicles, bunkers, buildings, patrol craft, command and control vehicles, transporter/erector (e.g., SCUD) launchers, artillery systems, and radar/air defense systems. Its multi-mode seeker will provide robust capability in adverse weather, day or night, and in an obscured/countermeasure environment, against both stationary and moving targets. JAGM supports more efficient logistics for expeditionary force tailoring by replacing several

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	
2040: Research, Development, Test & Evaluation, Army	PE 0605450A: Joint Air-to-Ground Missile (JAGM)	
BA 5: Development & Demonstration (SDD)		

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	118.125	127.439	130.454	0.000	130.454
Current President's Budget	114.817	126.775	130.340	0.000	130.340
Total Adjustments	-3.308	-0.664	-0.114	0.000	-0.114
 Congressional General Reductions 		-0.664			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		0.000			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	0.000	0.000			
 SBIR/STTR Transfer 	-3.308	0.000			
 Adjustments to Budget Years 	0.000	0.000	-0.114	0.000	-0.114

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army								DATE: February 2010				
APPROPRIATION/BUDGET ACT 2040: Research, Development, Test & BA 5: Development & Demonstration	Evaluation, Ar	my		R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Missile (JAGM)			AGM) PROJECT JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)					
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost	
JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)	114.817	126.775	130.340	0.000	130.340	127.534	136.692	109.476	57.084	Continuing	Continuing	
Quantity of RDT&E Articles												

A. Mission Description and Budget Item Justification

The Joint Air-to-Ground Missile (JAGM) is an air-launched missile system that provides advanced line-of-sight (LOS) and beyond-line-of-sight (BLOS) capabilities, including precision point and fire-and-forget (active and passive) seeker targeting technologies; increased range; and increased lethality against soft and hardened moving and stationary targets. The system will be used with fixed-wing aircraft, and unmanned aircraft systems (UAS). The JAGM System will replace aviation-launched TOW, the HELLFIRE family of missiles, and the Navy's Maverick family of missiles. JAGM is a joint program with the Army, Navy and USMC that addresses rotary/fixed wing and UAS requirements. The Army is funding missile development and integration to Army unique platforms with the Navy funding their platform integration requirements. The Super Hornet (F/A 18E/F), the Apache (AH-64D), and the Super Cobra (AH-1Z) are Milestone C threshold platforms with integration occurring no later than (NLT) the end of FY13 and Initial Operational Capability (IOC) beginning NLT the end of FY16. Other threshold platforms are the Seahawk (MH-60R) and Extended Range Multi Purpose (ERMP) UAS, and an Army Light Armed Scout Helicopter. MH-60R integration occurs NLT FY14. Integration timelines for ERMP and the Light Armed Scout Helicopter are notional and will be updated prior to Milestone B as those programs mature. JAGM will increase the Warfighter's operational flexibility by effectively engaging a variety of stationary and mobile targets on the battlefield, including advanced heavy/light armored vehicles, bunkers, buildings, patrol craft, command and control vehicles, transporter/erector (e.g., SCUD) launchers, artillery systems, and radar/air defense systems. Its multi-mode seeker will provide robust capability in adverse weather, day or night, and in an obscured/countermeasure environment, against both stationary and moving targets. JAGM supports more efficient logistics for expeditionary force tailoring by replacing several missile variants with

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	8.232	0.000	0.000	0.000	0.000
Software Simulation Algorithm Maturity					

xhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Mi	ssile (JAGM)	PROJECT JA6: JOINT AIR-TO-GROUND MISS		OUND MISSIL	E (JAGM)	
B. Accomplishments/Planned Program (\$ in Millions)	,						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #2 Integrated Baseline Review (IBR)		11.174	0.000	0.000	0.000	0.000	
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #3		50.713	0.000	0.000	0.000	0.000	

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss	sile (JAGM)	PROJECT JA6: JOINT			E (JAGM)
B. Accomplishments/Planned Program (\$ in Millions)			I			
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Design Verification Test/Engineering Development Test (EDT)						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #4		44.698	0.000	0.000	0.000	0.000
System Requirement Review (SRR)						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss	ile (JAGM)	PROJECT JA6: JOINT AIR-TO-GROUND MISS		UND MISSIL	E (JAGM)	
B. Accomplishments/Planned Program (\$ in Millions)							
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Program #5		0.000	6.000	0.000	0.000	0.000	
Source Selection Evaluation Board (SSEB)							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #6		0.000	23.075	0.000	0.000	0.000	
Preliminary Design Review (PDR)							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Mis	ssile (JAGM)	PROJECT JA6: JOINT AIR-TO-GROUND MISSIA			E (JAGM)		
B. Accomplishments/Planned Program (\$ in Millions)								
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Program #7		0.000	35.205	0.000	0.000	0.000		
Prototype Flights								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #8		0.000	5.210	0.000	0.000	0.000		
Apache Integration								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss	sile (JAGM)	PROJECT JA6: JOINT AIR-TO-GROUND MISSI			E (JAGM)	
B. Accomplishments/Planned Program (\$ in Millions)							
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Program #9		0.000	7.572	0.000	0.000	0.000	
Milestone B							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #10		0.000	7.180	0.000	0.000	0.000	
Software Simulation Algorithm Maturity							
FY 2009 Accomplishments: FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							

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xhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss	sile (JAGM)	PROJECT JA6: JOINT			E (JAGM)			
B. Accomplishments/Planned Program (\$ in Millions)									
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total			
Program #11		0.000	38.984	0.000	0.000	0.000			
Design Verification Test/Engineering Development Test (EDT)									
FY 2009 Accomplishments: FY 2009									
FY 2010 Plans: FY 2010									
FY 2011 Base Plans: FY 2011 Base									
FY 2011 OCO Plans: FY 2011 OCO									
Program #12		0.000	3.549	0.000	0.000	0.000			
Small Business Innovative Research (SBIR)/Small Business Technology 7	Fransfer Program (STTR)								
FY 2009 Accomplishments: FY 2009									
FY 2010 Plans: FY 2010									
FY 2011 Base Plans: FY 2011 Base									
FY 2011 OCO Plans: FY 2011 OCO									

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	xhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss	sile (JAGM)	PROJECT JA6: JOINT AIR-TO-GROUND MISSIE			E (JAGM)			
B. Accomplishments/Planned Program (\$ in Millions)									
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total			
Program #13		0.000	0.000	6.297	0.000	6.297			
Software Simulation Algorithm Maturity									
FY 2009 Accomplishments: FY 2009									
FY 2010 Plans: FY 2010									
FY 2011 Base Plans: FY 2011 Base									
FY 2011 OCO Plans: FY 2011 OCO									
Program #14		0.000	0.000	45.286	0.000	45.286			
Design Verification Test/Engineering Development Test (EDT)									
FY 2009 Accomplishments: FY 2009									
FY 2010 Plans: FY 2010									
FY 2011 Base Plans: FY 2011 Base									
FY 2011 OCO Plans: FY 2011 OCO									

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: Febr	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Missile (JAGM)	PROJECT JA6: JOINT	AIR-TO-GRO	OUND MISSIL	LE (JAGM)
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #15	0.000	0.000	10.187	0.000	10.187
Apache Integration					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #16	0.000	0.000	5.047	0.000	5.047
Milestone B					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	uary 2010			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605450A: Joint Air-to-Ground Miss.	ssile (JAGM) PROJECT JA6: JOINT AIR-TO-GROUND MISSILE (JAGM						
B. Accomplishments/Planned Program (\$ in Millions)								
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Program #17		0.000	0.000	38.518	0.000	38.518		
Development Activities to Support Critical Design Review (CDR)								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #18		0.000	0.000	25.005	0.000	25.005		
Enter Engineering Manufacturing, and Development (EMD) Phase								
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0605450A: Joint Air-to-Ground Missile (JAGM)	JA6: <i>JOINT</i>	AIR-TO-GROUND MISSILE (JAGM)
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

			FY 2011	FY 2011	FY 2011
	FY 2009	FY 2010	Base	OCO	Total
Accomplishments/Planned Programs Subtotals	114.817	126.775	130.340	0.000	130.340

C. Other Program Funding Summary (\$ in Millions)

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	<u>OCO</u>	Total	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• Ord. #1: Joint Air-to-Ground Missile	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.508	96.442	Continuing	Continuing
(JAGM) SSN: C70302											
• Ord. #2: Navy (RDTE) Joint Air-to-	54.568	77.412	100.846	0.000	100.846	120.044	126.481	131.679	63.622	Continuing	Continuing
Ground Missile (JAGM)											
• Ord. #3: Navy (Procurement) Joint	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.878	143.865	Continuing	Continuing
Air-to-Ground Missile (JAGM)											

D. Acquisition Strategy

The JAGM System is an ACAT 1D Joint Army/Navy/USMC program with the Army designated as lead service. The JAGM system is a common air-to-ground precision guided missile for use by Joint Service manned and unmanned aircraft to destroy high-value stationary, moving, and relocateable land and naval targets. JAGM provides current and future aviation platforms a common, multi-mode weapon, with reactive targeting capability, which satisfies the sum of needs across the joint platforms and eliminates the requirement for separate upgrades to multiple existing missile systems. The JAGM program has four phases: a TD phase including system integration and preliminary design review (PDR), an Engineering Manufacturing, and Development (EMD) phase, a Production & Deployment (PD) phase, and an Operations & Support phase. Following solicitation and formal source selection, the government competitively awarded Fixed Price Incentive (FPI) contracts (with full cost reporting) to two contractors for the 27-month TD phase. The TD phase culminates with PDR and competitive fly-off of the contractor's prototype missiles. Approximately 22-months after TD phase contract award, TD contractors will be asked to submit proposals for the EMD and Low Rate Initial Production (LRIP) phases. A second source selection process will evaluate the contractor's TD performance and proposals for the EMD and PD phases. Offeror's plans to facilitate competition during the PD phase will be considered during the evaluation process for the EMD contract. The government plans to award a single contract for the 48-month EMD phase, including provisions for procurement of long lead-time items to support the follow-on PD phase. Fixed Price Type contracts are planned for the PD phase (LRIP and full rate production (FRP)).

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army

PE 0605450A: Joint Air-to-Ground Missile (JAGM) | JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)

Product Development (\$ in Millions)

				FY	FY 2010			FY 2011 OCO				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Lockheed Martin	C/FPI	Orlando Florida	0.000	47.173		0.000	0.00	0	0.000	Continuing	Continuing	0
Raytheon	C/FPI	Tucson Arizona	0.000	47.173		0.000	0.00	0	0.000	Continuing	Continuing	0
EMD Prime Contract	C/FP	NA Location could not be determined.	0.000	0.000		103.654	0.00	0	103.654	Continuing	Continuing	0
Support Contracts	C/Various	Various Location could not be determined.	0.000	11.475		10.290	0.00	0	10.290	Continuing	Continuing	0
Development Engineering	C/Various	Various Location could not be determined.	0.000	5.859		2.963	0.00	0	2.963	Continuing	Continuing	0
SBIR/STTR	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	3.549		0.000	0.00	0	0.000	Continuing	Continuing	0
		Subtotal	0.000	115.229		116.907	0.00	0	116.907			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army

PE 0605450A: Joint Air-to-Ground Missile (JAGM) | JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)

Support (\$ in Millions)

				FY :	2010		2011 ase		2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Support	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.000		0.000		0.000		0.000	0	0	0
Cost Category Item is empty.	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.000		0.000		0.000		0.000	0	0	0
		Subtotal	0.000	0.000		0.000		0.000		0.000	0.000	0.000	0.000

Remarks

Test and Evaluation (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Other Gov Agencies	C/Various	Various Location could not be determined.	0.000	3.069		5.640		0.000		5.640	Continuing	Continuing	0
Cost Category Item is empty.	С	Nothing entered for Activity and Location.	0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)

PE 0605450A: Joint Air-to-Ground Missile (JAGM) | JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)

Test and Evaluation (\$ in Millions)

				FY	FY 2010		2011 ase	FY 2011 OCO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Location could not be determined.										
Cost Category Item is empty 2	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.000		0.000		0.000	0.000	Continuing	Continuing	0
		Subtotal	0.000	3.069		5.640		0.000	5.640			0.000

Remarks

Management Services (\$ in Millions)

Transgement Services	(φ 111 1/111110	, , , , , , , , , , , , , , , , , , , 											
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Eng/ Project Management	C/Various	Various Location could not be determined.	0.000	8.477		7.793		0.000		7.793	Continuing	Continuing	0
		Subtotal	0.000	8.477		7.793		0.000		7.793			0.000

Remarks

Exhibit R-3, RDT&E Project Cost Analysis: PB 20	11 Army			DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Arr BA 5: Development & Demonstration (SDD)	M NOMENCLATURE 150A: Joint Air-to-Grou	PROJECT JA6: JOINT	TAIR-TO-GROUND MISSILE (JAGM)				
							Target

	Total Prior Years Cost	FY 2010	FY 2 Ba	FY 2	-	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	126.775	130.340	0.000		130.340			0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army
BA 5: Development & Demonstration (SDD)

PE 0605450A: Joint Air-to-Ground Missile (JAGM)
BA 5: Development & Demonstration (SDD)

		FY 2009			I	FY 2010 FY 2011			1	FY 2012			FY 2013			FY 2014			FY 2015			,						
	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
Preliminary Design Review (PDR)						#																						
Milestone B								#																				
Critical Design Review													#															
Advance Procurement 1																						#						
Milestone C																								#				
Low Rate Initial Production 1																									#			
Advance Procurement 2																										#		

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0605450A: Joint Air-to-Ground Missile (JAGM)	JA6: JOINT	AIR-TO-GROUND MISSILE (JAGM)
BA 5: Development & Demonstration (SDD)			

Schedule Details

	Sta	End			
Event	Quarter	Year	Quarter	Year	
Preliminary Design Review (PDR)	2	2010	2	2010	
Milestone B	4	2010	4	2010	
Critical Design Review	1	2012	1	2012	
Advance Procurement 1	2	2014	2	2014	
Milestone C	4	2014	4	2014	
Low Rate Initial Production 1	1	2015	1	2015	
Advance Procurement 2	2	2015	2	2015	

Exhibit R-5, RDT&E Termination Li	ability: PB 20	011 Army						DATE: February 2010			
APPROPRIATION/BUDGET ACTIV		R-1 ITEM N	NOMENCLA	TURE		PROJECT					
2040: Research, Development, Test & Evaluation, Army					A: Joint Air-to	o-Ground Mis	sile (JAGM)	JA6: JOINT AIR-TO-GROUND MISSILE (JAGM)			
BA 5: Development & Demonstration (SDD)										
Cost (\$ in Millions)	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015				
Program Termination Liability	0.000	0.000	0.000	0.000	0.000	0.000	0.000				

Notes

The JAGM Prime Contract incorporates the "Limitation of Government's Obligation" (DFARS 252.232-7007) to limit the Government's liability. For the JAGM program, the "Limitation of Government's Obligation" clause limits the Government's financial liability per the contract to those funds placed on contract plus costs associated with the orderly termination of contracutal actions.