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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604611A: <i>JAVELIN (AAWS-M)</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	9.930	5.040	-	5.040	5.026	-	-	-	Continuing	Continuing
499: <i>JAVELIN (AAWS-M)</i>	-	9.930	5.040	-	5.040	5.026	-	-	-	Continuing	Continuing

Note

FY13 funds (\$44408) realigned to higher priority requirements.

A. Mission Description and Budget Item Justification

FY13 RDTE funding will support qualification testing of the multi-purpose warhead (MPWH), software modifications and upgrades, and Javelin Block I missile range verification testing. The MPWH and software modifications will be integrated into the current Javelin Block I missile resulting in an improved capability against a range of military operations of non-armored targets while maintaining current lethality against traditional armored threats. Additional efforts supported by FY13 RDTE funding include CLU far target locator (FTL) demonstrations and preparation to participate in Network Integration Exercises (NIE). These improvements are a direct result of lessons learned from firing 1,959 Javelin missiles in Iraq and Afghanistan through October 2011.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	9.999	17.340	49.408	-	49.408
Current President's Budget	-	9.930	5.040	-	5.040
Total Adjustments	-9.999	-7.410	-44.368	-	-44.368
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-9.999	-7.410	-44.368	-	-44.368

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604611A: JAVELIN (AAWS-M)				PROJECT 499: JAVELIN (AAWS-M)			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
499: JAVELIN (AAWS-M)	-	9.930	5.040	-	5.040	5.026	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
FY13 RDTE funding will support qualification testing of the multi-purpose warhead (MPWH), software modifications and upgrades, and Javelin Block I missile range verification testing. The MPWH and software modifications will be integrated into the current Javelin Block I missile resulting in an improved capability against a range of military operations of non-armored targets while maintaining current lethality against traditional armored threats. Additional efforts supported by FY13 RDTE funding include CLU far target locator (FTL) demonstrations and preparation to participate in Network Integration Exercises (NIE). These improvements are a direct result of lessons learned from firing 1,959 Javelin missiles in Iraq and Afghanistan through October 2011.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Javelin Block I System Improvements Articles: Description: Improve the current Javelin missile with multi-purpose warhead (MPWH), software modifications and upgrade and Javelin Block I missile range verification testing. FY 2012 Plans: Continue development of Javelin MPWH modernization technologies. FY 2013 Plans: Javelin MPWH qualification testing to prepare for integration into Javelin missile. Modify system software to improve system effectiveness. Perform range verification testing of the Javelin Block I missile with MPWH.								-	9.930	5.040	
									0		
Accomplishments/Planned Programs Subtotals								-	9.930	5.040	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• SSN CC0007: Javelin (AAWS-M)	163.009	160.767	81.121		81.121		115.812	113.214	116.285	0.000	841.085
Procurement											

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604611A: <i>JAVELIN (AAWS-M)</i>	PROJECT 499: <i>JAVELIN (AAWS-M)</i>
<p><u>D. Acquisition Strategy</u></p> <p>Javelin Block I missile is procured via sole source to the Javelin Joint Venture. FY13 RDTE funds continue development of improvements to the Javelin Block I missile. The Javelin MPWH and software modifications are planned to be integrated into FY14 Javelin missile procurement via Engineering Change Proposal, enabling improved capability across range of military operations.</p> <p><u>E. Performance Metrics</u></p> <p>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.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604611A: JAVELIN (AAWS-M)				PROJECT 499: JAVELIN (AAWS-M)					
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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 Engineering/Program Management, Govt	Allot	Close Combat Weapon Systems Project Office:Redstone Arsenal, AL	-	0.400		0.400		-		0.400	0.407	1.207	0.000
Subtotal			-	0.400		0.400		-		0.400	0.407	1.207	0.000
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Multi-purpose Warhead Development	SS/CPFF	JV/Raytheon/Lockheed Martin:Orlando, FL/ Tucson, AZ	-	9.530		1.250		-		1.250	0.000	10.780	0.000
Trade Studies and Demonstrations	MIPR	AMRDEC Test & Evaluation:Redstone Arsenal, AL	-	-		0.250		-		0.250	0.000	0.250	0.000
Subtotal			-	9.530		1.500		-		1.500	0.000	11.030	0.000
Remarks JV - Joint Venture; SS CPFF - Sole Source Cost Plus Fixed Fee; CLU Command Launch Unit; AMRDEC - Aviation & Missile Research, Development and Engineering Center													
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Multi-purpose Warhead Qualification Testing, Govt	MIPR	Redstone Test Center:Redstone Arsenal, AL	-	-		3.140		-		3.140	0.000	3.140	0.000
Multi-Purpose Warhead Live Fire Test, Govt	MIPR	Redstone Test Center:Redstone Arsenal, AL	-	-		-		-		-	4.619	4.619	0.000
Subtotal			-	-		3.140		-		3.140	4.619	7.759	0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012		
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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Remarks MIPR - Military Interdepartmental Purchase Request													
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.930		5.040		-		5.040	5.026	19.996	0.000
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army			DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604611A: <i>JAVELIN (AAWS-M)</i>		PROJECT 499: <i>JAVELIN (AAWS-M)</i>	

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
Exercise FY12 Contract Options																												
MWPH Development, Component Qualification																												
Exercise FY13 Contract Options																												
Systems Integration and Test, Engineering Change Proposal Approval																												
Exercise FY14 Contract Options																												
System Qualification/ Live Fire																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army			DATE: February 2012
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Exercise FY12 Contract Options	2	2012	2	2012
MWPH Development, Component Qualification	2	2012	1	2013
Exercise FY13 Contract Options	2	2013	2	2013
Systems Integration and Test, Engineering Change Proposal Approval	2	2013	1	2014
Exercise FY14 Contract Options	2	2014	2	2014
System Qualification/ Live Fire	2	2014	4	2014