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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i>				PE 0604611A: <i>JAVELIN (AAWS-M)</i>							
BA 5: <i>Development & Demonstration (SDD)</i>											
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	-	9.999	17.340	-	17.340	49.408	73.749	121.839	61.600	0.000	333.935
499: <i>JAVELIN (AAWS-M)</i>	-	9.999	17.340	-	17.340	49.408	73.749	121.839	61.600	0.000	333.935

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

FY12 RDTE funding continues development efforts for Javelin Increment II. Javelin Increment II is planned as a capability upgrade of the currently fielded Javelin through modernization of key system components. Javelin Increment II consists of modernization of the Javelin warhead and missile guidance section integrated with the existing Javelin system components, resulting in a system enabling lethality at extended ranges. The Extended Range Line of Sight Lethality Initial Capabilities Document was approved on 3 Nov 10 by the Joint Requirements Oversight Council (JROC). Javelin Increment II mitigates current capability gaps against fleeting targets of opportunity and target sets across the full spectrum of operations. Javelin Increment II modernization capability improvements are a direct result of lessons learned from firing 1,281 Javelin in Iraq and Afghanistan through CY10. Multi-purpose warhead cut-in and fielding will be accelerated, if earlier opportunity exists.

B. Program Change Summary (\$ in Millions)

	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	9.999	17.400	-	17.400
Current President's Budget	-	9.999	17.340	-	17.340
Total Adjustments	-	-	-0.060	-	-0.060
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.060	-	-0.060

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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>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
499: <i>JAVELIN (AAWS-M)</i>	-	9.999	17.340	-	17.340	49.408	73.749	121.839	61.600	0.000	333.935
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

FY12 RDTE funding continues development efforts for Javelin Increment II. Javelin Increment II is planned as a capability upgrade of the currently fielded Javelin through modernization of key system components. Javelin Increment II consists of modernization of the Javelin warhead and missile guidance section integrated with the existing Javelin system components, resulting in a system enabling lethality at extended ranges. The Extended Range Line of Sight Lethality Initial Capabilities Document was approved on 3 Nov 10 by the Joint Requirements Oversight Council (JROC). Javelin Increment II mitigates current capability gaps against fleeting targets of opportunity and target sets across the full spectrum of operations. Javelin Increment II modernization capability improvements are a direct result of lessons learned from firing 1,281 Javelin in Iraq and Afghanistan through CY10. Multi-purpose warhead cut-in and fielding will be accelerated, if earlier opportunity exists.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Javelin Increment II Risk Reduction	-	9.999	17.340
Articles:		0	
Description: Javelin Increment II consists of warhead and guidance section modernization to enable lethality at extended ranges.			
FY 2011 Plans: Javelin Increment II development of multi-purpose warhead and guidance section modernization technologies.			
FY 2012 Plans: Javelin Increment II development of warhead and guidance section modernization technologies and documentation effort prepares for FY13 MS B. Design work and prototype fabrication will begin to support guidance section and warhead modernization to enable lethality at extended ranges.			
Accomplishments/Planned Programs Subtotals	-	9.999	17.340

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

Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• CC0007: <i>Javelin (AAWS-M)</i>	258.553	163.929	160.767		160.767		138.705	141.068	113.385	0.000	1,110.037

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• 0203802: <i>Javelin</i>	3.979									0.000	3.979

D. Acquisition Strategy

The Javelin Increment II Material Development Decision (MDD) is planned for late FY 2011. The risk reduction effort will take place in FY 2012 and early FY 2013. Competition will be pursued on the path to Milestone (MS) B. Javelin Increment II MS B is planned for FY 2013 followed by a 48-month Engineering and Manufacturing Development (EMD) phase. Javelin Increment II consists of modernization of the warhead and missile guidance section enabling lethality at extended ranges. The Javelin modernization program meets the identified need of the Army to ensure that United States (US) forces have an overmatching capability against current and future enemy combatants.

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army **DATE:** February 2011

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Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Systems Engineering/Program Mgmt, Contractor	TBD	TBD:TBD	-	1.792		-		-		-	Continuing	Continuing	0.000
System Engineering/Program Management, Govt	TBD	Close Combat Weapon Systems (CCWS) Project Office:Redstone Arsenal, Alabama	-	0.956		2.549		-		2.549	Continuing	Continuing	0.000
Subtotal			-	2.748		2.549		-		2.549			0.000

Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Development Engineering	TBD	TBD:TBD	-	5.746		14.791		-		14.791	Continuing	Continuing	0.000
Subtotal			-	5.746		14.791		-		14.791			0.000

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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 Test & Evaluation, Contractor	TBD	TBD:TBD	-	0.165		-		-		-	Continuing	Continuing	0.000
System Test & Evaluation, Govt	TBD	Other Government Agencies:TBD	-	1.340		-		-		-	Continuing	Continuing	0.000
Subtotal			-	1.505		-		-		-			0.000

			Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	9.999	17.340	-	17.340			0.000

Remarks

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army **DATE:** February 2011

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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CDD Development, AoA, and Milestone Documentation	4	2010	2	2013
Material Development Decision	3	2011	3	2011
Milestone B	3	2013	3	2013