

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604611A: JAVELIN (AAWS-M)							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	9.655	5.040	5.002	-	5.002	0.000	0.000	0.000	0.000	Continuing	Continuing
499: JAVELIN (AAWS-M)	-	9.655	5.040	5.002	-	5.002	0.000	0.000	0.000	0.000	Continuing	Continuing

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## Note

Not applicable for this item.

## A. Mission Description and Budget Item Justification

FY14 RDTE funding will support system qualification and live fire testing of the multi-purpose warhead (MPWH). The MPWH will be integrated into the Javelin Block I missile resulting in an improved capability against a broader range of threats being encountered in current military operations while maintaining lethality against traditional armored threats. FY14 RDTE funding will also support the Command Launch Unit (CLU) Far Target Locator (FTL) demonstrations and user evaluation. These improvements to the missile and CLU are a direct result of lessons learned from firing 2,074 Javelin missiles (Army and USMC) in Iraq and Afghanistan through 30 November 2012.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>
Previous President's Budget	9.930	5.040	5.026	-	5.026
Current President's Budget	9.655	5.040	5.002	-	5.002
Total Adjustments	-0.275	0.000	-0.024	-	-0.024
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.269	-			
• Adjustments to Budget Years	-	-	-0.024	-	-0.024
• Other Adjustments 1	-0.006	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604611A: JAVELIN (AAWS-M)				PROJECT 499: JAVELIN (AAWS-M)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
499: JAVELIN (AAWS-M)	-	9.655	5.040	5.002	-	5.002	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
FY14 RDTE funding will support system qualification and live fire testing of the multi-purpose warhead (MPWH). The MPWH will be integrated into the Javelin Block I missile resulting in an improved capability against a broader range of threats being encountered in current military operations while maintaining lethality against traditional armored threats. FY14 RDTE funding will also support the Command Launch Unit (CLU) Far Target Locator (FTL) demonstrations and user evaluation. These improvements to the missile and CLU are a direct result of lessons learned from firing 2,074 Javelin missiles (Army and USMC) in Iraq and Afghanistan through 30 November 2012.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: Javelin Block I System Improvements										9.655	5.040	5.002
										Articles: 0	0	
Description: Improve the current Javelin missile with multi-purpose warhead (MPWH)												
FY 2012 Accomplishments: Continue development of Javelin MPWH modernization technologies.												
FY 2013 Plans: Planned activities include Javelin MPWH component qualification testing, final design review, and system level integration (non-flight) testing to prepare for system qualification.												
FY 2014 Plans: Planned activities include Javelin MPWH system qualification (flight), live fire testing for integration into Javelin Block I missile, CLU FTL demonstrations and user evaluations.												
Accomplishments/Planned Programs Subtotals										9.655	5.040	5.002

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Army										<b>DATE:</b> April 2013	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>					<b>R-1 ITEM NOMENCLATURE</b> PE 0604611A: <i>JAVELIN (AAWS-M)</i>			<b>PROJECT</b> 499: <i>JAVELIN (AAWS-M)</i>			
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• SSN CC0007: <i>Javelin (AAWS-M)</i> <i>Procurement</i>	172.502	81.121	110.510		110.510	115.444	112.847	116.277	104.547	0.000	813.248
<b>Remarks</b> Procurement of Javelin Block I missiles with the multi-purpose warhead will provide warfighters with improved capability against a broader target set.											
<b>D. Acquisition Strategy</b> The Under Secretary of the Army signed the Javelin FY13-17 procurement contract Justification and Approval for sole source to the Javelin Joint Venture on 10 Jun 12. FY14 RDTE funds continue development of MPWH via the engineering services contract with the Javelin Joint Venture as an improvement to the Javelin Block I missile. The Javelin MPWH is planned to be integrated into FY15 Javelin missile procurement via Engineering Change Proposal, enabling improved capability across a broader range of military operations.											
<b>E. Performance Metrics</b> 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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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Army</b>												<b>DATE:</b> April 2013			
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<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
System Engineering/ Program Management, Govt	Allot	Close Combat Weapon Systems Project Office:Redstone Arsenal, AL	0.000	0.400		0.400		0.450		-		0.450	0.000	1.250	0.000
<b>Subtotal</b>			0.000	0.400		0.400		0.450		0.000		0.450	0.000	1.250	0.000
<b>Product Development (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Multi-purpose Warhead Development	SS/CPFF	JV/Raytheon/ Lockheed Martin:Orlando, FL/ Tucson, AZ	0.000	9.255	Feb 2012	1.250	Jan 2013	1.275	Jan 2014	-		1.275	0.000	11.780	0.000
Trade Studies and Demonstrations	MIPR	AMRDEC Test & Evaluation:Redstone Arsenal, AL	0.000	-		0.250		0.325		-		0.325	0.000	0.575	0.000
<b>Subtotal</b>			0.000	9.255		1.500		1.600		0.000		1.600	0.000	12.355	0.000
<b>Remarks</b> JV - Joint Venture; SS CPFF - Sole Source Cost Plus Fixed Fee; CLU Command Launch Unit; AMRDEC - Aviation & Missile Research, Development and Engineering Center MIPR - Military Interdepartmental Purchase Request															

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<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
System Qualification Testing/ Live Fire, Govt	MIPR	Redstone Test Center:Redstone Arsenal, AL	0.000	-		3.140		2.952		-		2.952	0.000	6.092	0.000
<b>Subtotal</b>			0.000	0.000		3.140		2.952		0.000		2.952	0.000	6.092	0.000

  

	<b>All Prior Years</b>	<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Project Cost Totals</b>		0.000	9.655		5.040		5.002		0.000		5.002	0.000	19.697	0.000

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 Army			<b>DATE:</b> April 2013		
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			<b>PROJECT</b> 499: <i>JAVELIN (AAWS-M)</i>		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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																												
MPWH Development, Component Qualification																												
Exercise FY13 Contract Options																												
Systems Integration and Test (Non-Flight)																												
Exercise FY14 Contract Options																												
System Qualification/ Live Fire (Flight Testing)																												
Engineering Change Proposal Approval																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Army			<b>DATE:</b> April 2013
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Schedule Details

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