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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Navy **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	26.899	54.877	10.496	-	10.496	1.495	1.364	1.389	1.422	Continuing	Continuing
1964: <i>Anti-Armor Weapon System</i>	1.221	1.265	1.124	-	1.124	1.147	0.994	1.011	1.028	Continuing	Continuing
2614: <i>SMAW Follow-On</i>	7.314	6.746	9.372	-	9.372	0.348	0.370	0.378	0.394	Continuing	Continuing
3209: <i>Joint Light Tactical Vehicle</i>	18.364	46.866	-	-	-	-	-	-	-	0.000	65.230

**Note**

The Joint Light Tactical Vehicle (JLTV) program, Project number 3209 is transitioning to BA 04 PE 0605812M beginning in FY 2013

**A. Mission Description and Budget Item Justification**

This PE supports the demonstration and validation of Marine Corps Ground/Supporting Arms Systems for utilization in Marine Air-Ground Expeditionary Force amphibious operations.

This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates hardware for experimental test related to specific ground weapon system.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	40.505	79.858	139.459	-	139.459
Current President's Budget	26.899	54.877	10.496	-	10.496
Total Adjustments	-13.606	-24.981	-128.963	-	-128.963
• Congressional General Reductions	-	-0.104			
• Congressional Directed Reductions	-	-24.877			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.190	-			
• SBIR/STTR Transfer	-0.164	-			
• Program Adjustments	-	-	-128.963	-	-128.963
• Rate/Misc Adjustments	-	-	-	-	-
• Congressional General Reductions	-0.252	-	-	-	-
Adjustments					
• Congressional Directed Reductions	-12.000	-	-	-	-
Adjustments					

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	
<b><u>Change Summary Explanation</u></b> Funding profile for JLTV in FY 2013 - FY 2017 reflects movement of the project to BA 04 PE 0605812M beginning in FY 2013		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				PROJECT 1964: Anti-Armor Weapon System			
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
1964: Anti-Armor Weapon System	1.221	1.265	1.124	-	1.124	1.147	0.994	1.011	1.028	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The Anti-Armor Weapons System-Heavy (AAWS-H) program, working in concert with the US Army, will develop and integrate technology improvements into the Improved Target Acquisition System (ITAS) to meet Increment II system requirements as jointly agreed. Improvements will center on integration of sight image enhancements, far-target location accuracy improvements, traversing unit upgrades/improvements, battlefield networking communications capability and a laser designation capability.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Contractor conducted systems integration and qualification  Articles:  FY 2011 Accomplishments: Complete qualification of image enhancement improvements. Supported contractor integration and qualification of positioning antennae improvements to increase accuracy of the Saber far-target location accuracy improvements.  FY 2012 Plans: Complete qualification of Saber far-target location accuracy improvements. Support contractor development and qualification of Saber traversing unit improvements.  FY 2013 Plans: Assess improvements to the Saber laser subsystem to integrate/upgrade and qualify a laser marking and/or designation capability for supporting arms missions.								0.603	0.638	0.570	
								0	0	0	
Title: Provide engineer and technical support  Articles:  FY 2011 Accomplishments: Provided continued Army program management office engineering and test support for sight image enhancements and for the integration of far-target location accuracy improvements.  FY 2012 Plans: Provide continued Army program management office engineering and test support for the far-target location accuracy improvements and for the integration of traversing unit improvements.  FY 2013 Plans:								0.310	0.297	0.269	
								0	0	0	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy						<b>DATE:</b> February 2012					
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>				<b>PROJECT</b> 1964: <i>Anti-Armor Weapon System</i>			
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
Provide continued Army program management office engineering and test support for integration of the laser marker/designator upgrade.						<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>			
<b>Title:</b> Provide Government program management/in-house support.						<b>Articles:</b>	0.308 0	0.330 0	0.285 0		
<b>FY 2011 Accomplishments:</b> Provided continued USMC program management office engineering and test support for sight image enhancements and for the integration of far-target location accuracy improvements.											
<b>FY 2012 Plans:</b> Provide continued USMC program management office engineering and test support for the far-target location accuracy improvements and for the integration of traversing unit improvements.											
<b>FY 2013 Plans:</b> Provide continued USMC program management office engineering and test support for integration of the laser marker/designator upgrade.											
<b>Accomplishments/Planned Programs Subtotals</b>						1.221	1.265	1.124			
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• 3017: <i>Anti Armor Weapon System</i>	20.210	19.606	20.708	0.000	20.708	1.333	1.365	1.393	1.429	0.000	66.044
<b>D. Acquisition Strategy</b> FY11-13 will develop, integrate, and qualify incremental improvements to the Saber system through a joint program with the Army to the original equipment manufacturer (OEM).q Strategy											
<b>E. Performance Metrics</b> N/A											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy											<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				<b>PROJECT</b> 1964: Anti-Armor Weapon System					
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</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>
Anti Armor	C/CPIF	Raytheon:McKinney, TX	1.423	0.638	Mar 2012	0.570	Mar 2013	-		0.570	Continuing	Continuing	Continuing
<b>Subtotal</b>			1.423	0.638		0.570		-		0.570			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</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>
Anti Armor	WR	NSWC:Dahlgren, VA	0.571	0.297	Oct 2011	0.269	Oct 2012	-		0.269	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.571	0.297		0.269		-		0.269			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</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>
Anti Armor	C/CPIF	BAE Systems:Stafford, VA	0.633	0.330	Oct 2011	0.285	Oct 2012	-		0.285	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.633	0.330		0.285		-		0.285			
<b>Project Cost Totals</b>			<b>Total Prior Years Cost</b> 2.627	<b>FY 2012</b> 1.265		<b>FY 2013 Base</b> 1.124		<b>FY 2013 OCO</b> -		<b>FY 2013 Total</b> 1.124	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Remarks</b>													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 1964: <i>Anti-Armor Weapon System</i>
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 1964: <i>Anti-Armor Weapon System</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 1964</i></b>				
PADS GPS Accuracy Improvement Testing	1	2011	4	2012
Laser Designation Testing	1	2013	4	2014
Battlefield Networking Testing	1	2014	4	2015
Traversing Unit Improvements Testing	1	2015	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				PROJECT 2614: SMAW Follow-On			
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
2614: SMAW Follow-On	7.314	6.746	9.372	-	9.372	0.348	0.370	0.378	0.394	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
Shoulder-Launched Multipurpose Assault Weapon II (SMAW II). Marine Expeditionary Forces will employ the Shoulder-Launched Multipurpose Assault Weapon II (SMAW II) across the spectrum of conflict, under all environmental conditions, to destroy a variety of ground targets. This requirement relates to The Concept for Future Military Operations on Urbanized Terrain, dated 25 July 1997, which requires Marine units to possess the capability to rapidly breach urban structures in order to facilitate and enhance their mobility in an urban environment. The SMAW II will support the Joint Operating Concept, Major Combat Operations via the Force Application Joint Functional Concept.											
The mission of the SMAW II is to provide short-range assault fires in support of infantry forces attacking fortified positions and urban structures under all field and environmental conditions. This includes employment under Mission Oriented Protective Posture (MOPP) IV Level CBRN conditions. A typical operating environment for the SMAW II will consist of a mission duration of 96 hours. During this mission the system will be transported 40 km (25 miles) in the field handling mode, using various tactical means, 50% cross country. The system will be employed in the offense in either close or open terrain and subsequently assigned defensive positions in depth along infantry and vehicle choke points." During the 96 hours, the expected combat load is six rounds of ammunition per system. The system is employed by a two-man team. The solution to the Follow-on-to-SMAW (FOTS) requirement is the SMAW II system, which will be developed in two distinct blocks. Block 1 of the SMAW II system consists of new SMAW launcher, which will be physically and functionally compatible with all current SMAW ammunition variants, and a Multipurpose (MP) Fire-From-Enclosure (FFE) SMAW round. Block 2 of the SMAW II system will be the addition of a Wall Breaching (WB) FFE round and a Common Practice (CP) FFE round. During FY11, the development of Block 1 will continue. During FY12, the Qualification of Block 1 will be completed and Low Rate Initial Production will commence. During FY12, the development of Block 2 will commence. During FY13, Full Rate Production of Block 1 will commence and the Qualification of Block 2 will be completed. In FY14, Full Rate Production of Block 1 will continue and Low Rate Initial Production of Block 2 will commence.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Contractor conducted systems integration and qualification.								4.653	1.470	4.868	
								0	0	0	
FY 2011 Accomplishments: Completed Block 1 Launcher Design Verification Test, Critical Design Review, Test Readiness Review. Completed Block 1 Launcher Qualification Hardware build and initiated Block 1 Launcher Qualification. Completed Block 1 Round Design Verification Test.											
FY 2012 Plans: Complete Block 1 Launcher Qualification, Functional Configuration Audit, System Verification Review, Production Readiness Review and Initial Operational Test & Evaluation. Complete Block 1 FFE Round Critical Design Review, Test Readiness Review,											



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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 2614: <i>SMAW Follow-On</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
Qualification, Functional Configuration Audit, System Verification Review, and Production Readiness Review. Complete Block 2 FFE Round Milestone B, Design Verification Test, and Critical Design Review.  <b>FY 2013 Plans:</b> Complete Block 1 Launcher Milestone C. Complete Block 1 FFE Round Qualification, Functional Configuration Audit, System Verification Review, Production Readiness Review and Initial Operational Test & Evaluation. Complete Block 2 FFE Round Design Verification Test, Critical Design Review, Test Readiness Review, Qualification, Functional Configuration Audit, System Verification Review, Production Readiness Review, Initial Operational Test & Evaluation, and Milestone C.				
<b>Title:</b> Provide engineer and technical support.  <b>FY 2011 Accomplishments:</b> Provided engineering support; planned and coordinated all required System Safety Reviews. Maintained the requirements engineering data to include review and acceptance of the deliverable draft Product Baseline. Continued to develop, refine and operate the Government independent 6-DOF flight simulation model of the SMAW II system. Established the SMAW II test range and conducted and provided review of all contract technical deliverables.  <b>FY 2012 Plans:</b> Provide engineering support for the Block 1 Launcher and Block 1 and 2 FFE Round development and testing. Provide review of all contract technical deliverables.  <b>FY 2013 Plans:</b> Provide engineering support for the Block 1 and 2 FFE Round development and testing. Provide review of all contract technical deliverables.		<b>Articles:</b> 1.434 0	3.202 0	3.255 0
<b>Title:</b> Provide Government program management/in-house support.  <b>FY 2011 Accomplishments:</b> Provided administrative and technical support to all programmatic and technical reviews; maintained programmatic documentation change management system; maintained CDRL deliverables review and management system; participated in all program IPTs; updated the SMAW II Supportability Plan and prepared all Acquisition Logistics documentation; maintained the SMAW II LCCE; provided EVMS analytical support; managed Action Item database.  <b>FY 2012 Plans:</b> Provide administrative and technical support to all programmatic and technical reviews; maintain programmatic documentation change management system; maintain CDRL deliverables review and management system; participate in all program IPTs;		<b>Articles:</b> 0.685 0	0.623 0	0.505 0

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy							DATE: February 2012				
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)			R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys			PROJECT 2614: SMAW Follow-On					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2011	FY 2012	FY 2013		
update the SMAW II Supportability Plan and prepare all Acquisition Logistics documentation; maintain the SMAW II LCCE; provide EVMS analytical support; manage Action Item database.											
FY 2013 Plans: Provide administrative and technical support to all programmatic and technical reviews; maintain programmatic documentation change management system; maintain CDRL deliverables review and management system; participate in all program IPTs; update the SMAW II Supportability Plan and prepare all Acquisition Logistics documentation; maintain the SMAW II LCCE; provide EVMS analytical support; manage Action Item database.											
Title: Provide operational test support planning and document preparation							0.542	1.451	0.744		
Articles:							0	0	0		
FY 2011 Accomplishments: Completed initial and final drafts of Operational Test and Evaluation (OT&E) Detailed Test Plan documentation; reviewed all DVT test reports and data; participated in the update to the TEMP; provided operational test expertise to all programmatic and technical reviews.											
FY 2012 Plans: Complete all SMAW II Block 1 Launcher IOT&E planning; provide operational test expertise to all programmatic and technical reviews.											
FY 2013 Plans: Conduct and report the results of the SMAW II Block 1 and 2 FFE Round IOT&E; provide operational test expertise to all prprogrammatic and technical reviews.											
Accomplishments/Planned Programs Subtotals							7.314	6.746	9.372		
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
• PMC/301600: Follow on to SMAW	21.458	46.563	22.481	0.000	22.481	20.373	16.209	10.120	9.857	0.000	147.061
D. Acquisition Strategy											
FY11-13 strategy is to complete development and qualification of the Block 1 SMAW II system (i.e. new SMAW Launcher and new Multi Purpose Fire From Enclosure (MP FFE) round). FY12-13 strategy is to completeof the SMAW II Block 2 FFE Rounds (i.e. a new Wall Breaching (WB) FFE and Common Practice (CP) FFE rounds).											

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 2614: <i>SMAW Follow-On</i>

## E. Performance Metrics

Milestone Reviews; Technical Reviews; Earned Value Management data.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					PROJECT				
1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys					2614: SMAW Follow-On				
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	
Systems Integration	C/CPFF	Nammo Talley:Meza, AZ	24.532	1.470	Nov 2011	4.868	Nov 2012	-		4.868	Continuing	Continuing	Continuing	
Subtotal			24.532	1.470		4.868		-		4.868				
Support (\$ 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	
Engineering and Technical Spt	WR	NSWC:Dahlgren, VA	10.341	3.202	Nov 2011	3.255	Nov 2012	-		3.255	Continuing	Continuing	Continuing	
Subtotal			10.341	3.202		3.255		-		3.255				
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	
Operational Testing and Support	WR	MCOTEA:Quantico, VA	2.803	1.451	Nov 2011	0.744	Nov 2012	-		0.744	Continuing	Continuing	Continuing	
Subtotal			2.803	1.451		0.744		-		0.744				
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	
Program Mgmt and Engineering Support	C/CPIF	BAESystems:Stafford, VA	2.077	0.623	Nov 2011	0.505	Nov 2012	-		0.505	Continuing	Continuing	Continuing	
Subtotal			2.077	0.623		0.505		-		0.505				
			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			39.753	6.746		9.372		-		9.372				

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy						<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>			<b>PROJECT</b> 2614: <i>SMAW Follow-On</i>			
	<b>Total Prior Years Cost</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Remarks</b>									

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 2614: <i>SMAW Follow-On</i>
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 2614: <i>SMAW Follow-On</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2614</b>				
Block 2 - System Development & Demonstration	2	2012	4	2013
Block 2 - Milestone B	2	2012	2	2012
Block 2 - SDD Contract Award	2	2012	2	2012
Block 2 - Critical Design Review	4	2012	4	2017
Block 2 - Subsystem Qualification (FFE Round)	2	2012	4	2012
Block 2 - Test Readiness Review (FFE Round)	1	2013	1	2013
Block 2 - System Qualification (FFE Round)	1	2013	2	2013
Block 2 - Milestone C (FFE Round)	4	2013	4	2013
Block 2 - FRP RFP Release (FFE Round)	4	2013	4	2013
Block 2 - IOT&E (FFE Round)	3	2013	3	2013
Block 2 - FRP Contract Award (FFE Round)	1	2014	1	2014
Block 2 - System Verification Review (FFE Round)	2	2013	2	2013
Block 2 - Production Readiness Review (FFE Round)	4	2013	4	2013
Block 2 - Production & Deployment (FFE Round)	1	2014	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				PROJECT 3209: Joint Light Tactical Vehicle			
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
3209: Joint Light Tactical Vehicle	18.364	46.866	-	-	-	-	-	-	-	0.000	65.230
Quantity of RDT&E Articles	0	30	0	0	0	0	0	0	0		
Note											
USMC will procure up to 30 prototypes. Additonal hardware requirements for Engineering and Manufacturing Development (EMD) include trailers, ballistic hulls, and kits (including armor).											
The FY11 NDAA directed the Services to separate the JLTV program into distinct program elements to provide Congress with increased transparency and allow for more effective oversight. Transition of funding from PE 0603635M to the new JLTV PE 0605812M is effective beginning in FY13.											
A. Mission Description and Budget Item Justification											
Funding supports the development and testing of the JLTV Family of Vehicles (FoV), which is a joint program between the Army and the Marine Corps. The JLTV goal is a FoV capable of performing multiple mission roles designed to provide protected, sustained, networked mobility for personnel and payloads across the full Range of Military Operations. JLTV objectives include increased protection and performance over the current fleet and minimizing ownership costs by maximizing commonality, fuel efficiency, reliability, and maintaining effective competition throughout the lifecycle. Commonality of components, maintenance procedures, training, etc., between vehicles is expected to be inherent in FoV solutions across mission variants to minimize total ownership cost. Unique service requirements have been minimized.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Prototype Article  Articles:  FY 2012 Plans: Material procurement and fabrication of EMD prototypes. Vehicle deliveries occur in FY13.								-	26.075 30	-	
Title: Primary and Ancillary Hardware Development , Systems Engineering (SE)  Articles:  FY 2011 Accomplishments: Closed out Technology and Development (TD) phase contracts and test support. Took delivery of CAT A Enhanced Protection (EP) variant prototypes. Prepared RFP for EMD. Conducted Systems Engineering (SE) related Milestone B engineering analysis.  FY 2012 Plans: Award multiple Engineering and Manufacturing Development (EMD) contracts to design JLTV Mission Role Variants and systems engineering activities in support of progression to MS B decision and RFP development.								6.789 0	8.398 0	-	
Title: GFE Procurement to Support Product Development and Testing								3.465	2.732	-	



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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys	PROJECT 3209: Joint Light Tactical Vehicle		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Articles: 0		0	0	
FY 2011 Accomplishments: Procured Government Furnished Equipment (GFE) long lead items required to support EMD prototype integration efforts. EMD contracts award in FY12.				
FY 2012 Plans: Procure GFE items required to support EMD prototype integration efforts.				
Title: Test and Evaluation Events & Analysis		2.373	2.220	-
Articles: 0		0	0	
FY 2011 Accomplishments: Completed TD phase T&E activities. Completed Cat A Enhanced Protection (EP) testing. Conducted User Evaluations and prototype ballistic testing. Produced and staffed T&E reports. Supported EMD source selection activities and Milestone B preparations.				
FY 2012 Plans: Support EMD source selection activities and Milestone B preparations. Conduct coupon testing.				
Title: ILS and Facilities Documentation/Analysis and Support Engineering		0.824	1.609	-
Articles: 0		0	0	
FY 2011 Accomplishments: Completed facilities analysis, supported GFE management, source selection activities, and Milestone B preparations.				
FY 2012 Plans: Continue the development of logistical documentation, support Milestone (MS) B preparations, GFE management, and provide oversight to programmatic and contractual issues related to logistics.				
Title: Program Management Support		4.913	5.832	-
Articles: 0		0	0	
FY 2011 Accomplishments: Continued support of program operations and Milestone B/EMD planning activities.				
FY 2012 Plans: Continue support of program operations and planning activities. Key events include source selection activities, EMD contract awards and the start of EMD design, and attainment of MS B.				
Accomplishments/Planned Programs Subtotals		18.364	46.866	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys	<b>PROJECT</b> 3209: Joint Light Tactical Vehicle	

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

Line Item	FY 2011	FY 2012	FY 2013	FY 2013	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Cost To	Total Cost
			Base	OCO	Total					Complete	
• PMC / 5095: JLTV	0.000	0.000	0.000	0.000	0.000	0.000	24.500	87.300	134.900	2,102.100	2,348.800
• RDTEA / L04: 0603804A- Log & Eng Equip Adv Dev - JLTV	36.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.408
• RDTEA / L50: 0604804A- Log & Eng Equip ENG Dev - JLTV	0.000	87.217	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	87.217
• RDTEA / VU9: 0605812A	0.000	0.000	72.295	0.000	72.295	76.163	31.549	51.924	53.223	Continuing	Continuing
• RDTEA / 3209: 0605812M-JLTV	0.000	0.000	44.500	0.000	44.500	45.000	16.000	40.100	44.300	Continuing	Continuing
• OPA / D15603: JLTV	0.000	0.000	0.000	0.000	0.000	0.000	167.408	299.238	516.722	Continuing	Continuing

## D. Acquisition Strategy

JLTV is a Joint Services Program with the U.S. Army and Marine Corps as the two main components. The Navy anticipates procuring JLTV vehicles upon successful Low Rate Initial Production (LRIP) testing.

The program will use an evolutionary approach to deliver capabilities in increments based on program priorities. All technologies entering the current EMD phase shall be no less than Technology Readiness Level 6 to achieve Capabilities Development Document (CDD) requirements.

Increment I will produce two Mission Role Variant (MRV) configurations (Combat Tactical Vehicle - CTV & Combat Support Vehicle - CSV) and four mission packages (General Purpose, Heavy Guns Carrier, Close Combat Weapons Carrier, Utility). EMD vendors will fabricate representative mission packages from both MRVs, which the Government will fully test during EMD.

Through a full and open competition, the program anticipates awarding up to three contracts for the EMD phase. Unless future market research identifies a valid non-EMD vendor capable of delivering the required capabilities, there will be a down-select from the EMD contractors to enter into the Production and Deployment phase. The down-select will result in a fixed price type contract with a base LRIP quantity, LRIP options, full rate production options, and a Technical Data Package option.

Follow-on increment II will focus on vehicles requiring more internal volume and payload carrying capacity (e.g., ambulances) or those that include higher risk because of geometric and low curb weight requirements (e.g., CH-47F internally transportable vehicles).

## E. Performance Metrics

Milestone Reviews

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				PROJECT 3209: Joint Light Tactical Vehicle					
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
Primary Hardware Development - TD	C/CS	BAE Systems:Santa Clara, CA	31.865	-		-		-		-	0.000	31.865	31.865
Primary Hardware Development - TD	C/CS	General Tactical Vehicles:Sterling, MI	25.738	-		-		-		-	0.000	25.738	25.738
Primary Hardware Development - TD	C/CS	Lockheed Martin:Owego, NY	26.966	-		-		-		-	0.000	26.966	26.966
Primary Hardware Development - EMD	C/FP	TBD:Various	-	7.440	Jun 2012	-		-		-	0.000	7.440	
Systems Engineering	C/CPFF	Various:Various	6.915	0.308	Mar 2012	-		-		-	0.000	7.223	
Systems Engineering- Human Systems Integration	WR	NSWC:Dahlgren	0.505	0.300	Feb 2012	-		-		-	0.000	0.805	
Systems Engineering- Force Protection	WR	NSWC:Carderock	0.275	0.150	Feb 2012	-		-		-	0.000	0.425	
Systems Engineering- Toolkit	C/CPFF	ARL:Penn State	0.800	0.200	Apr 2012	-		-		-	0.000	1.000	
Government Furnished Equipment (GFE)	MIPR	Various:Various	4.721	2.732	May 2012	-		-		-	0.000	7.453	
JLTV Tech Demonstrator Design and Eval	C/CPFF	NATC:Carson City, NV	1.414	-		-		-		-	0.000	1.414	
Prototype	C/FP	TBD:Various	5.400	26.075	Jun 2012	-		-		-	0.000	31.475	
Source Selection	MIPR	TBD:Various	5.500	-		-		-		-	0.000	5.500	
Subtotal			110.099	37.205		-		-		-	0.000	147.304	
Support (\$ 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
Training Development	WR	WBB:Indian Head, MD	1.434	0.119	Feb 2012	-		-		-	0.000	1.553	
Integrated Logistics Support	Various	Various:Various	7.462	1.190	Mar 2012	-		-		-	0.000	8.652	
SPAWAR GFE Mgmt	MIPR	SPAWAR:Charleston, SC	0.300	0.300	May 2012	-		-		-	0.000	0.600	
Subtotal			9.196	1.609		-		-		-	0.000	10.805	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603635M: Marine Corps Grnd Cmbt/Supt Sys				PROJECT 3209: Joint Light Tactical Vehicle					
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
Developmental, Test & Evaluation (Performance, RAM, Ballistic, Report Generation)	MIPR	Aberdeen Proving Grounds:Aberdeen, MD	2.715	1.671	Mar 2012	-		-		-	0.000	4.386	
Developmental, Test & Evaluation (Interoperability )	MIPR	JITC:Various	0.101	-		-		-		-	0.000	0.101	
Developmental, Test & Evaluation (Performance, RAM, Ballistic, Report Generation)	MIPR	Yuma Proving Ground:Yuma, AZ	7.305	-		-		-		-	0.000	7.305	
Developmental, Test & Evaluation (Oversight )	WR	MCOTEA:Various	0.581	0.549	Mar 2012	-		-		-	0.000	1.130	
Test & Evaluation (Performance, RAM, Ballistic, Report Generation)	MIPR	Various:Various	3.691	-		-		-		-	0.000	3.691	
Subtotal			14.393	2.220		-		-		-	0.000	16.613	
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
Program Management Support	C/FFP	SAIC:Dumfries, VA	8.128	-		-		-		-	0.000	8.128	8.128
Program Management Support	C/CPFF	BAH:Mclean, VA	13.989	2.702	Mar 2012	-		-		-	0.000	16.691	
Program Management Support	C/CPFF	Various:Various	0.948	1.704	Mar 2012	-		-		-	0.000	2.652	
Program Management Support	C/CPFF	MITRE:Stafford	2.656	0.700	Feb 2012	-		-		-	0.000	3.356	
Program Management Support- ESOH Support	C/FFP	Eagan McAllister:Lexington Park, MD	0.465	0.500	Mar 2012	-		-		-	0.000	0.965	

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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
Travel	Various	MCSC:Quantico, VA	0.993	0.226	Feb 2012	-		-		-	0.000	1.219	
Subtotal			27.179	5.832		-		-		-	0.000	33.011	
			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			160.867	46.866		-		-		-	0.000	207.733	
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 3209: <i>Joint Light Tactical Vehicle</i>
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603635M: <i>Marine Corps Grnd Cmbt/Supt Sys</i>	<b>PROJECT</b> 3209: <i>Joint Light Tactical Vehicle</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 3209</b>				
CDD Army, Marine Corps, and Joint Req Oversight Staffing	3	2011	1	2012
CDD JROC	2	2012	2	2012
Source Selection	2	2012	3	2012
MS B Decision	3	2012	3	2012
EMD Contract Award	3	2012	3	2012
EMD Development Contracts	3	2012	4	2014
EMD Government Test Program and Validation Reporting	4	2012	1	2015
MS C Decision	2	2015	2	2015
LRIP Contract Award	3	2015	3	2015