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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605812A / Joint Light Tactical Vehicle - ED							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	59.205	84.185	45.718	-	45.718	32.724	25.758	3.237	3.107	Continuing	Continuing
VU9: Joint Light Tactical Vehicle - ED	-	59.205	84.185	45.718	-	45.718	32.724	25.758	3.237	3.107	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note

At the request of the House Armed Services Committee - Air and Land Forces, a separate and distinct funding line (0605812A-VU9) was established for JLTV, transition of Project L50 funding to this newly established Program Element (PE) occurred in FY 2013.

A. Mission Description and Budget Item Justification

Joint Light Tactical Vehicles (JLTV): Funding supports the development and testing of the JLTV Family of Vehicles (FoV). JLTV is a joint program between the U.S. Army and the Marine Corps, of which the U.S. Army has the lead. The JLTV goal is a FoV capable of performing multiple mission roles that will be 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; 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.

Major FY 2015 budget activities include completion of three Engineering and Manufacturing Development (EMD) contracts, Ballistic Testing, completion of the Limited User Testing (LUT), and analysis of Live Fire & Operational Test reports in preparation for Milestone C. FY 2015 also includes efforts associated with the contract award for live fire test assets, Source Selection Evaluation activities, and completion of Milestone C documentation in preparation for the Defense Acquisition Board and program management support.

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B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	72.295	84.230	34.700	-	34.700
Current President's Budget	59.205	84.185	45.718	-	45.718
Total Adjustments	-13.090	-0.045	11.018	-	11.018
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-13.090	-0.045	11.018	-	11.018

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605812A / Joint Light Tactical Vehicle - ED				Project (Number/Name) VU9 / Joint Light Tactical Vehicle - ED			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
VU9: Joint Light Tactical Vehicle - ED	-	59.205	84.185	45.718	-	45.718	32.724	25.758	3.237	3.107	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
FY 2012 funding for the Joint Light Tactical Vehicles (JLTV) program is under Program Element (PE) 0604804A, Project L50. FY 2013 and out year funding is under Project Element (PE) 0605812A, Project VU9.												
A. Mission Description and Budget Item Justification												
Funding supports the development and testing of the Joint Light Tactical Vehicle (JLTV) Family of Vehicles (FoV). JLTV is a joint program between the U.S. Army and the U.S. Marine Corps, of which the U.S. Army has the lead. The JLTV goal is a FoV capable of performing multiple mission roles that will be 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; minimizing ownership costs by maximizing commonality, fuel efficiency, reliability, and maintaining effective competition throughout the life cycle. 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.												
Major FY 2015 budget activities include completion of three Engineering and Manufacturing Development (EMD) contracts, Ballistic Testing, completion of the Limited User Testing (LUT), and analysis of Live Fire & Operational Test reports in preparation for Milestone C. FY 2015 also includes efforts associated with the contract award for live fire test assets, Source Selection Evaluation activities, and completion of Milestone C documentation in preparation for the Defense Acquisition Board and program management support.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Contract and support for development and fabrication of test vehicles.									-	-	33.603	
Description: Funding is provided for the contract award for live fire test assets.												
FY 2015 Plans:												
Funding provides for contract award of live fire test assets that will be destroyed during ballistic testing.												
Title: Joint Light Tactical Vehicles (JLTV) program management support									6.866	10.633	9.305	
Articles:									-	-	-	
Description: Funding is provided for the support of program management government operations.												

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605812A / Joint Light Tactical Vehicle - ED	Project (Number/Name) VU9 / Joint Light Tactical Vehicle - ED		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
FY 2013 Accomplishments: Various costs to provide effort during the Engineering and Manufacturing Development (EMD) phase				
FY 2014 Plans: Funding is provided for continued EMD prototype Joint Light Tactical Vehicles development and fabrication. Key events included the continued monitoring of the contract performance of the EMD vendors, as well as preparation of analysis and documentation in support of Milestone C.				
FY 2015 Plans: Continue support for the completion of the EMD phase to include program management, level of effort reports, test evaluation analyses, integrated logistics support, government furnished equipment management, Training Aids, Devices, Simulators, and Simulations (TADSS), building maintenance, building utilities, vehicle leases, close out of the EMD contracts, preparation of analysis and documentation in support of Milestone C, and LRIP source selection.				
Title: Engineering and Manufacturing Development Test and Evaluation. Articles:		9.294 -	42.600 -	2.810 -
Description: Test and Evaluation Events				
FY 2013 Accomplishments: Initiated the Engineering and Manufacturing Development Test program to include armor coupons, rolling chassis, and ballistic cab testing.				
FY 2014 Plans: Continuation of Engineering and Manufacturing Development Test support to include Automatic Fire Extinguisher System (AFES), ballistic cab, LUT, performance and Reliability, Availability and Maintainability (RAM) testing.				
FY 2015 Plans: Completion of LUT testing and finalize the EMD test reports in support of Milestone C and Low Rate Initial Production (LRIP) source selection.				
Title: Engineering and Manufacturing Development (EMD) prototype contract and support for development and fabrication. Articles:		43.045 -	30.952 -	- -
Description: Funding is provided for EMD prototype contract award for development and fabrication.				
FY 2013 Accomplishments:				

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Initiated EMD prototype of the Joint Light Tactical Vehicles development and fabrication phase. It included shakedown testing, delivery of ballistic cabs and rolling chassis, delivery of EMD prototypes, and vendor test support.												
FY 2014 Plans: Funding is provided for continued EMD prototype Joint Light Tactical Vehicles development and fabrication. Test events included performance, reliability, live fire, and roof crush.												
Accomplishments/Planned Programs Subtotals										59.205	84.185	45.718
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• PM JLTV PRODUCTION D15603: <i>Joint Light Tactical Vehicles (JLTV), D15603, Army OPA 1</i>	-	-	164.615	-	164.615	310.820	603.738	843.944	1,101.770	Continuing	Continuing	
• PM JLTV PROJECT 3209 <i>0605812M: Marine Corps Ground Combat/Support Systems, RDTE Project 3209 0605812M</i>	35.563	50.362	11.450	-	11.450	34.325	23.672	2.199	2.081	Continuing	Continuing	
• PM JLTV PRODUCTION 5095: <i>Marine Corps Ground Combat/Support Systems, Production 5095</i>	-	-	7.500	-	7.500	76.560	143.062	520.468	618.216	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
Joint Light Tactical Vehicles (JLTV) is a Joint Services Program with the U.S. Army and Marine Corps as the two main components. The U.S. Army is the JLTV service lead. In addition, the Navy anticipates procuring JLTV vehicles upon successful Full Rate Production (FRP) decision.												
The program will use an evolutionary approach to deliver capabilities in increments based on program priorities. All technologies entering the current Engineering and Manufacturing Development (EMD) phase were Technology Readiness Level (TRL) 6 or higher to achieve Capabilities Development Document (CDD) requirements.												
The program revised the acquisition strategy in the first quarter of FY 2012, addressing better buying power initiatives, and reduced the program schedule by fifteen (15) months to enable a 33-month Non-Development Item approach for EMD, with Milestone B approved on 9 August 2012. The program anticipates Milestone C decision in July 2015.												

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Through a full and open competition, the program awarded three fixed price contracts for EMD phase on 22 August 2012 to AM General, Lockheed Martin, and Oshkosh Corporations. Increment I will produce two Mission Role Variant (MRV) configurations (Combat Tactical Vehicle (CTV) and Combat Support Vehicle (CSV)) with mission packages (General Purpose, Heavy Guns Carrier, Close Combat Weapons Carrier, and Utility/Shelter Carrier). EMD vendors fabricated a total of 66 vehicles (22 test assets per vendor) representing mission packages for both MRVs, which the Government will fully test during EMD. Vehicles were delivered in the fourth quarter of FY 2013 to begin the fourteen (14) month government performance and reliability testing, which will focus on demonstrating Key Performance Parameters/Key System Attributes (KPP/KSA) and safety requirements. Test strategy represents a mix of vendor risk reduction testing and formal government testing. Market research has not identified a qualified non-EMD vendor. Unless subsequent market research identifies a qualified non-EMD vendor capable of delivering the required capabilities, there will be a down-select from among the EMD contractors for award of the Production and Deployment (PD) phase contract. The down-select will result in awarding a single fixed-price contract in FY 2015 with R&D funded test vehicles, consisting of three years of procurement funded Low-Rate Initial Production (LRIP) with an option of five years of FRP starting in FY 2018. The PD phase contract will also include interim contractor logistics support (ICLS) and one or more options for the procurement of the JLTV Technical Data Package (TDP). <u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605812A / Joint Light Tactical Vehicle - ED				Project (Number/Name) VU9 / Joint Light Tactical Vehicle - ED					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JLTV Contract Service Support	SS/CPFF	Booz-Allen Hamilton, : McLean, VA	0.000	2.725	Feb 2013	3.152	Jan 2014	1.855	Dec 2014	-		1.855	Continuing	Continuing	Continuing
JLTV Contract Service Support and PBL/BCA	SS/CPFF	Camber Corporation, : Huntsville, AL	0.000	0.421	Jun 2013	0.526	May 2014	0.300	Apr 2015	-		0.300	Continuing	Continuing	Continuing
JLTV Service Support	MIPR	US Army Combined Arms Support Commands - CASCOT, : Ft. Lee, VA	0.000	0.200	Aug 2013	0.409	Jul 2014	0.200	Apr 2015	-		0.200	Continuing	Continuing	Continuing
Subtotal			0.000	3.346		4.087		2.355		-		2.355	-	-	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Light Tactical Vehicles (JLTV) Engineering and Manufacturing Development Contract	C/FFP	Oshkosh Corporation, : Oshkosh, WI	0.000	3.914	Nov 2012	4.136	Nov 2013	-		-		-	-	8.050	55.698
JLTV Engineering and Manufacturing Development Contract	C/FFP	Lockheed Martin Corporation, : Grand Prairie, TX	0.000	0.106	Sep 2013	3.833	Nov 2013	-		-		-	-	3.939	65.106
JLTV Engineering and Manufacturing Development Contract	C/FFP	AM General, : South Bend, IN	0.000	27.560	Nov 2012	1.753	Nov 2013	-		-		-	-	29.313	63.808
JLTV Live Fire Test Assets	C/FFP	TBD : TBD	0.000	-		-		19.600	Jul 2015	-		19.600	16.830	36.430	56.350
Subtotal			0.000	31.580		9.722		19.600		-		19.600	16.830	77.732	240.962

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Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Remarks															
Joint Light Tactical Vehicles (JLTV) is a Joint Services Program with the U.S. Army and U.S. Marine Corps as the two main components. Total value of Engineering and Manufacturing Development contracts is shared between the U.S. Army and the U.S. Marine Corps. Contract awards were funded in FY 2012, U.S. Army under PE 0604804A Project L50 and U.S. Marine Corps under PE 0603635M Project 3209.															
Total estimated target value of the Live Fire Test contract (\$56.350 million) is shared between the U.S. Army and the U.S. Marine Corps. The U.S. Marine Corps funds are under PE 0603635M Project 3209.															
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
JLTV Program Management Support	Various	TACOM Life Cycle Management Command (LCMC), : Harrison Township, MI	0.000	6.866	Sep 2013	10.633	Sep 2014	9.305	Sep 2015	-		9.305	Continuing	Continuing	Continuing
GFE Management / Logistics / Training Aids, Devices, Simulators and Simulations (TADSS) / Analysis	MIPR	Various : TBD	0.000	1.016	Aug 2013	4.350	May 2014	3.491	Jan 2015	-		3.491	Continuing	Continuing	Continuing
Research and development level of effort studies.	C/ FFPLOE	TBD : TBD	0.000	-		3.500	Jun 2014	-		-		-	-	3.500	3.500
JLTV EMD phase for Engineering, Manufacturing, and Development Phase	MIPR	Tank-Automotive Research, Development, and Engineering Center - TARDEC : Warren, MI	0.000	4.517	Jan 2013	5.700	Jan 2014	5.053	Dec 2014	-		5.053	Continuing	Continuing	Continuing
JLTV Prototype EMD Phase - Cost and Systems, Legal, Budget,	MIPR	TACOM Life Cycle Management Command (LCMC), : Warren, MI	0.000	2.586	Jan 2013	3.593	Jan 2014	3.104	Dec 2014	-		3.104	Continuing	Continuing	Continuing

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Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Safety, Security, Contracting, Logistics															
Subtotal			0.000	14.985		27.776		20.953		-		20.953	-	-	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Complete JLTV EMD Test - e.g. Limited User Test (LUT)	Various	TBD : Various	0.000	9.294	Jul 2013	42.600	Jun 2014	2.810	Oct 2014	-		2.810	38.590	93.294	92.294
Subtotal			0.000	9.294		42.600		2.810		-		2.810	38.590	93.294	92.294
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	59.205		84.185		45.718		-		45.718	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605812A / Joint Light Tactical Vehicle - ED	Project (Number/Name) VU9 / Joint Light Tactical Vehicle - ED	

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
EMD Contract																												
EMD Test / LUT / Validation / Reports																												
Milestone C Preparation																												
Source Selection Evaluation Board																												
MS C Approval																												
Test Vehicles and Low-Rate Initial Production (LRIP) Contract Award																												
Test Vehicles and LRIP Contract																												
Full-Rate Production (FRP) Decision																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EMD Contract	4	2012	1	2015
EMD Test / LUT / Validation / Reports	1	2013	2	2015
Milestone C Preparation	1	2014	3	2015
Source Selection Evaluation Board	1	2015	4	2015
MS C Approval	4	2015	4	2015
Test Vehicles and Low-Rate Initial Production (LRIP) Contract Award	4	2015	4	2015
Test Vehicles and LRIP Contract	4	2015	2	2019
Full-Rate Production (FRP) Decision	2	2018	2	2018