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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0605812M I (U)Joint Light Tactical Vehicle(JLTV) EMD							
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	0.000	35.563	50.362	11.450	-	11.450	34.325	23.672	2.199	2.081	Continuing	Continuing
3209: Joint Light Tactical Vehicle	0.000	35.563	50.362	11.450	-	11.450	34.325	23.672	2.199	2.081	Continuing	Continuing
MDAP/MAIS Code: 279												
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
The FY 2011 NDAA directed the Services to separate the Joint Light Tactical Vehicle (JLTV) program into distinct PEs to provide Congress with increased transparency and allow for more effective oversight. Transition of funding from PE 0603635M to the new JLTV PE 0605812M was effective beginning in FY 2013.												
Hardware requirements for EMD include vehicles, trailers, ballistic hulls, and kits (including armor). The U.S. Marine Corps share of the prototypes were awarded in FY 2012 and were fabricated and delivered in FY 2013.												
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 goal of JLTV 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 legacy HMWMV fleet, minimizing ownership costs by maximizing commonality, fuel efficiency, and reliability. The commonality of components, maintenance procedures, training, etc., among 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 the completion of three Engineering and Manufacturing Development (EMD) contracts, ballistic testing, completion of limited user testing (LUT), and analysis of live fire and 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, 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	44.500	50.362	16.606	-	16.606
Current President's Budget	35.563	50.362	11.450	-	11.450
Total Adjustments	-8.937	-	-5.156	-	-5.156
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.578	-			
• SBIR/STTR Transfer	-1.390	-			
• Rate/Misc Adjustments	0.001	-	-5.156	-	-5.156
• Congressional General Reductions	-3.217	-	-	-	-
Adjustments					
• Congressional Directed Reductions	-5.909	-	-	-	-
Adjustments					
Change Summary Explanation					
Funding decreased from FY 2014 to FY 2015, due to the transition of the program from the EMD phase to Low Rate Initial Production (LRIP).					

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Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0605812M / (U)Joint Light Tactical Vehicle(JLTV) EMD				Project (Number/Name) 3209 / Joint Light Tactical Vehicle			
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
3209: Joint Light Tactical Vehicle	-	35.563	50.362	11.450	-	11.450	34.325	23.672	2.199	2.081	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	8.000	-	8.000	9.000	-	1.000	-		
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Primary and Ancillary Hardware Development - AM General									-	5.591	-	
									Articles: -	-	-	
FY 2013 Accomplishments:												
Initiated EMD contractor shakedown testing, delivery of ballistic cabs and rolling chassis, delivery of EMD prototypes, and vendor test support, as well as vendor and government systems engineering, of which the first year was funded by U.S. Army. Test events included ballistic cab and chassis, performance, and reliability.												
FY 2014 Plans:												

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Continue participation in government testing and vendor systems engineering. Test events included performance, reliability, live fire, roof crush, and corrosion. FY 2015 Plans: N/A				
Title: Primary and Ancillary Hardward Development - Lockheed Martin FY 2013 Accomplishments: Initiated EMD contractor shakedown testing, delivery of ballistic cabs and rolling chassis, delivery of EMD prototypes, vendor test support, as well as vendor and government systems engineering. Test events included ballistic cab and chassis, performance, and reliability. FY 2014 Plans: Continue participation in government testing and vendor systems engineering. Test events included performance, reliability, live fire, roof crush, and corrosion. FY 2015 Plans: N/A		15.423 Articles: -	5.591 -	- -
Title: Primary and Ancillary Hardware Development - Oshkosh FY 2013 Accomplishments: Initiated EMD contractor shakedown testing, delivery of ballistic cabs and rolling chassis, delivery of EMD prototypes, vendor test support, as well as vendor and government systems engineering. Test events included ballistic cab and chassis, performance, and reliability. FY 2014 Plans: Continue participation in government testing and vendor systems engineering. Test events included performance, reliability, live fire, roof crush, and corrosion. FY 2015 Plans: N/A		4.467 Articles: -	5.591 -	- -
Title: Live Fire Test Assets Description: Contract and support for development and fabrication of live fire test vehicles.		- Articles: -	- -	3.785 8.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
FY 2013 Accomplishments: N/A				
FY 2014 Plans: N/A				
FY 2015 Plans: Funding provides for contract award of live fire test assets that will be destroyed during ballistic testing.				
Title: Product Development Systems Engineering Articles:		0.745 -	0.458 -	0.300 -
FY 2013 Accomplishments: Initiated the systems engineering evaluation of human systems integration and force protection integration of the three EMD vendor designs.				
FY 2014 Plans: Continue the systems engineering evaluation of human systems integration of the three EMD vendor designs.				
FY 2015 Plans: Continue the systems engineering evaluation of human systems integration of the three EMD vendor designs.				
Title: ILS and Facilities Documentation/Analysis and Support Engineering Articles:		0.964 -	0.903 -	0.635 -
FY 2013 Accomplishments: Initiated the development of logistical documentation, managed the transfer of GFE from the government to the EMD vendors, and conducted oversight of programmatic and EMD issues related to logistics.				
FY 2014 Plans: Continue logistics support (i.e. training) for the limited user testing (LUT), development of logistics documentation, GFE management, and oversight of programmatic and contractual issues related to logistics.				
FY 2015 Plans: Continue logistics support (i.e. training), development of logistics documentation, and oversight of programmatic and contractual issues related to logistics.				
Title: Test and Evaluation Events and Analysis Articles:		9.360 -	25.934 -	1.451 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
<i>FY 2013 Accomplishments:</i> Initiated the EMD test program, to include the testing of armor coupons, rolling chassis, ballistic hulls and EMD prototypes. EMD prototype testing included Automatic Fire Extinguisher System (AFES), ballistic, corrosion, performance, and RAM testing. <i>FY 2014 Plans:</i> Continue EMD prototype testing to include (but not limited to) AFES, ballistic, corrosion, performance, and RAM testing. Initiated LUT testing upon the completion of the previous test events. <i>FY 2015 Plans:</i> Complete the LUT testing and finalize the EMD test reports in support of MS C and the LRIP source selection.			
<i>Title:</i> Program Management Support <i>Articles:</i> <i>FY 2013 Accomplishments:</i> Continued support of EMD phase program operations and planning activities for MS C. Key events included the continuation of EMD contract performance and testing. <i>FY 2014 Plans:</i> Continue support of EMD phase program operations, including the ramp-up of onsite test representatives that supported EMD phase testing. 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 MS C in 4Q FY 2015. <i>FY 2015 Plans:</i> Continue support of EMD phase program operations and planning activities for MS C and LRIP. Key events include the closeout of the EMD contracts, as well as preparation of analysis and documentation in support of MS C in 4Q FY 2015, and the subsequent LRIP source selection.	4.604 -	6.294 -	5.279 -
Accomplishments/Planned Programs Subtotals	35.563	50.362	11.450

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

<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTEA/VU9: 0605812A-JLTV	59.205	84.185	45.718	-	45.718	32.724	25.758	3.237	3.107	Continuing	Continuing
• OPA: D15603	-	-	164.615	-	164.615	310.820	603.738	843.944	1,101.770	Continuing	Continuing
• PMC/5095: 0206211M- JLTV	-	-	7.500	-	7.500	76.560	143.062	520.468	618.216	1,298.017	2,663.823

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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
Remarks											
Joint Program LRIP award planned for 4Q FY 2015.											
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.											
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).											

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E. Performance Metrics Milestone Reviews		

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