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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy										Date: May 2017		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605813M I (U)Joint Light Tactical Veh (JTLV) Sys Dev & Dem							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	20.710	-	20.710	2.280	2.135	0.000	0.000	0.000	25.125
3209: Joint Light Tactical Vehicle	0.000	0.000	0.000	20.710	-	20.710	2.280	2.135	0.000	0.000	0.000	25.125
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 279												
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 PE 0605812M was effective beginning in FY 2013. Beginning in FY18, the program funding transitions from Program Element 0605812M Joint Light Tactical Vehicle (JLTV) EMD to Program Element 0605813M Joint Light Tactical Vehicle (JLTV) System Development and Demonstration as the program proceeds through the acquisition process. A. Mission Description and Budget Item Justification 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 U.S. Marine Corps, of which the U.S. Army is the lead service. JLTV is a FoV capable of performing multiple mission roles designed to provide protected, sustained, and networked mobility for personnel and payloads across the full Range of Military Operations (ROMO). JLTV objectives include increased performance, protection, and payload over the current legacy HMMWV 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 FY18 budget activities include the continued monitoring of contractor performance, completion of logistics demonstration, completion of provisioning and logistics publications for test, delivery of Live Fire (LF) Test Assets, and the completion of the Low-Rate Initial Production (LRIP) test program required events such as: Full Up System Level (FUSL) test, Multi-Service Operational Test and Evaluation (MOT&E), Automatic Fire Extinguishing System (AFES) test, and C4I test.												

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Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)		PE 0605813M I (U)Joint Light Tactical Veh (JTLV) Sys Dev & Dem			
B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	20.710	-	20.710
Total Adjustments	0.000	0.000	20.710	-	20.710
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	20.710	-	20.710
Change Summary Explanation					
The funding decrease from FY2017 to FY2018 of \$2.487M is a result of a reduction in test scope and program management support requirements.					

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605813M / (U)Joint Light Tactical Veh (JTLV) Sys Dev & Dem				Project (Number/Name) 3209 / Joint Light Tactical Vehicle			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
3209: Joint Light Tactical Vehicle	0.000	0.000	0.000	20.710	-	20.710	2.280	2.135	0.000	0.000	0.000	25.125
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 279												
Note Beginning in FY18, the program funding transitions from Program Element 0605812M Joint Light Tactical Vehicle (JLTV) EMD to Program Element 0605813M Joint Light Tactical Vehicle (JLTV) System Development and Demonstration as the program advances through the acquisition process. NOTE: The funding decrease from FY2017 to FY2018 of \$2.487M is a result of a reduction in test scope and program management support requirements.												
A. Mission Description and Budget Item Justification 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 U.S. Marine Corps, of which the U.S. Army is the lead service. JLTV is a FoV capable of performing multiple mission roles designed to provide protected, sustained, and networked mobility for personnel and payloads across the full Range of Military Operations (ROMO). JLTV objectives include increased performance, protection, and payload over the current legacy HMMWV 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 FY18 budget activities include the continued monitoring of contractor performance, completion of logistics demonstration, completion of provisioning and logistics publications for test, delivery of Live Fire (LF) Test Assets, and the completion of the Low-Rate Initial Production (LRIP) test program required events such as: Full Up System Level (FUSL) test, Multi-Service Operational Test and Evaluation (MOT&E), Automatic Fire Extinguishing System (AFES) test, and C4I test.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Live Fire Test Support Articles: Description: NOTE: FY17 funding is \$5.041M. The increase of \$.255M in FY18 is for Prime vendor support of test events in FY18. JLTV LRIP contract providing test assets, material, contractor labor for the execution of Live Fire Test activity, and implementation of Engineering Change Proposals. FY 2016 Accomplishments:								0.000	0.000	5.296	0.000	5.296
								-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
- Details provided in PE 0605812M/Project 3209								
FY 2017 Plans:								
- Details provided in PE 0605812M/Project 3209								
FY 2018 Base Plans:								
-Complete vendor support of planned test events to include FUSL, MOT&E, Logistics Demonstration, AFES, C4I, corrosion, and ballistic cab/coupon tests.								
-Continue vendor RDT&E activity on the LRIP contract.								
-Continue logistics support of GFE required for LF Test events.								
FY 2018 OCO Plans:								
N/A								
Title: GFE, ILS, Facilities Documentation/Analysis and Support Engineering				0.000	0.000	1.500	0.000	1.500
Articles:				-	-	-	-	-
FY 2016 Accomplishments:								
- Details provided in PE 0605812M/Project 3209								
FY 2017 Plans:								
- Details provided in PE 0605812M/Project 3209								
FY 2018 Base Plans:								
-Continue systems integration activity in support of LF test and systems development at the Government Systems Integration Labratory.								
FY 2018 OCO Plans:								
N/A								
Title: Test and Evaluation Events and Analysis				0.000	0.000	13.219	0.000	13.219
Articles:				-	-	-	-	-
Description: NOTE: FY17 funding is \$14.658M. The decrease between FY2017 and FY2018 of \$1.439M is a result of reduced test scope and the conclusion of planned test events in accordance with the approved program Test and Evaluation Master Plan (TEMP).								
FY 2016 Accomplishments:								

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total		
- Details provided in PE 0605812M/Project 3209												
FY 2017 Plans:												
- Details provided in PE 0605812M/Project 3209												
FY 2018 Base Plans:												
-Continue activity in accordance with the program TEMP to include FUSL, MOT&E, AFES, and C4I test.												
-Complete PCA, Manufacturing Readiness Assessment (MRA), and other RDT&E funded reviews.												
FY 2018 OCO Plans:												
N/A												
Title: Program Management Support						0.000	0.000	0.695	0.000	0.695		
Articles:						-	-	-	-	-		
Description: NOTE: FY17 funding is \$1.998M. The decrease of \$1.303M in FY18 is due to support costs transition from RDT&E to PMC as the program matures through the acquisition process.												
FY 2016 Accomplishments:												
- Details provided in PE 0605812M/Project 3209												
FY 2017 Plans:												
- Details provided in PE 0605812M/Project 3209												
FY 2018 Base Plans:												
-Continue support for LRIP activity such as program management for test events, GFE management, monitoring and execution of the LRIP contract, and monitoring of vendor performance during LF testing.												
FY 2018 OCO Plans:												
N/A												
Accomplishments/Planned Programs Subtotals						0.000	0.000	20.710	0.000	20.710		
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
• PMC/5095: Joint Light Tactical Vehicle (JLTV)	58.578	113.230	233.639	-	233.639	665.477	739.211	469.511	532.720	Continuing	Continuing	

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• RDT&E/0605812M: Joint Light Tactical Vehicle (JTLV) EMD	24.790	23.197	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	142.887
• OPA/D15603: JLTV (Army)	249.911	587.514	804.440	-	804.440	1,078.794	1,099.507	1,135.483	1,168.494	Continuing	Continuing
• RDT&E/VU9: 0605812A - JLTV (Army)	31.197	11.530	23.470	-	23.470	3.056	2.121	2.150	2.150	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Joint Light Tactical Vehicle (JLTV) is a Joint Service Program with the U.S. Army and U.S. Marine Corps as the two main components. The U.S. Army is the JLTV service lead.											
The JLTV Program entered the Production and Deployment Phase with the Acquisition Decision Memorandum authorization on 25 August 2015. With Milestone C approval, the LRIP fixed price contract was awarded to Oshkosh Defense LLC on 25 August 2015. This contract consists of a three year LRIP period with options for five additional years of FRP deliveries. JPO JLTV requested separately priced firm fixed price (FFP) option(s) for purchase of the Technical Data Package (TDP) with appropriate data rights to allow for possible future competition for production vehicles and spares.											
During the LRIP phase, JPO JLTV will continue to produce production vehicles for extensive Test and Evaluation activities to support a FRP decision. A ramp up of JLTV quantities will continue thru FY20 to support fielding to U.S. Army and USMC units once the FRP decision is achieved and allow the program to transition into Full Rate production.											
The JLTV program will continually monitor emerging technologies and capabilities through its partnerships with U.S. Army and USMC science and technology organizations as well as through industry market research and partnerships. At this time follow-on increments for technology insertion are undefined; the JLTV program will look for opportunities to implement increased capabilities throughout the system Life Cycle.											
E. Performance Metrics											
Milestone Reviews											

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
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Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Live Fire Test Support	C/FFP	Oshkosh Defense : Oshkosh, WI	0.000	0.000		0.000		5.296	Dec 2017	-		5.296	0.760	6.056	-
Subtotal			0.000	0.000		0.000		5.296		-		5.296	0.760	6.056	-
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
System Integration-GSIL	MIPR	SPAWAR Atlantic : Charleston, SC	0.000	0.000		0.000		1.500	Feb 2018	-		1.500	3.658	5.158	-
Subtotal			0.000	0.000		0.000		1.500		-		1.500	3.658	5.158	-
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Developmental Test and Evaluation (Performance, RAM, Ballistic, Report Generation	MIPR	Government Proving Grounds-ATC : Aberdeen, MD	0.000	0.000		0.000		0.698	Jan 2018	-		0.698	0.000	0.698	-
Operational Test and Evaluation (Performance, RAM, Ballistic, Report Generation	MIPR	Government Proving Grounds-Various : Various	0.000	0.000		0.000		10.074	Jan 2018	-		10.074	0.000	10.074	-
Developmental Test and Evaluation Oversight	MIPR	MCOTEA : Quantico, VA	0.000	0.000		0.000		0.200	Jan 2018	-		0.200	0.000	0.200	-
Live Fire Test and Evaluation	MIPR	ATC : Aberdeen, MD	0.000	0.000		0.000		1.767	Jan 2018	-		1.767	0.000	1.767	-
Developmental Test and Evaluation	C/FFP	CORVID : Moorsville, NC	0.000	0.000		0.000		0.480	May 2018	-		0.480	0.000	0.480	-
Subtotal			0.000	0.000		0.000		13.219		-		13.219	0.000	13.219	-

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Remarks

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy

Date: May 2017

Appropriation/Budget Activity

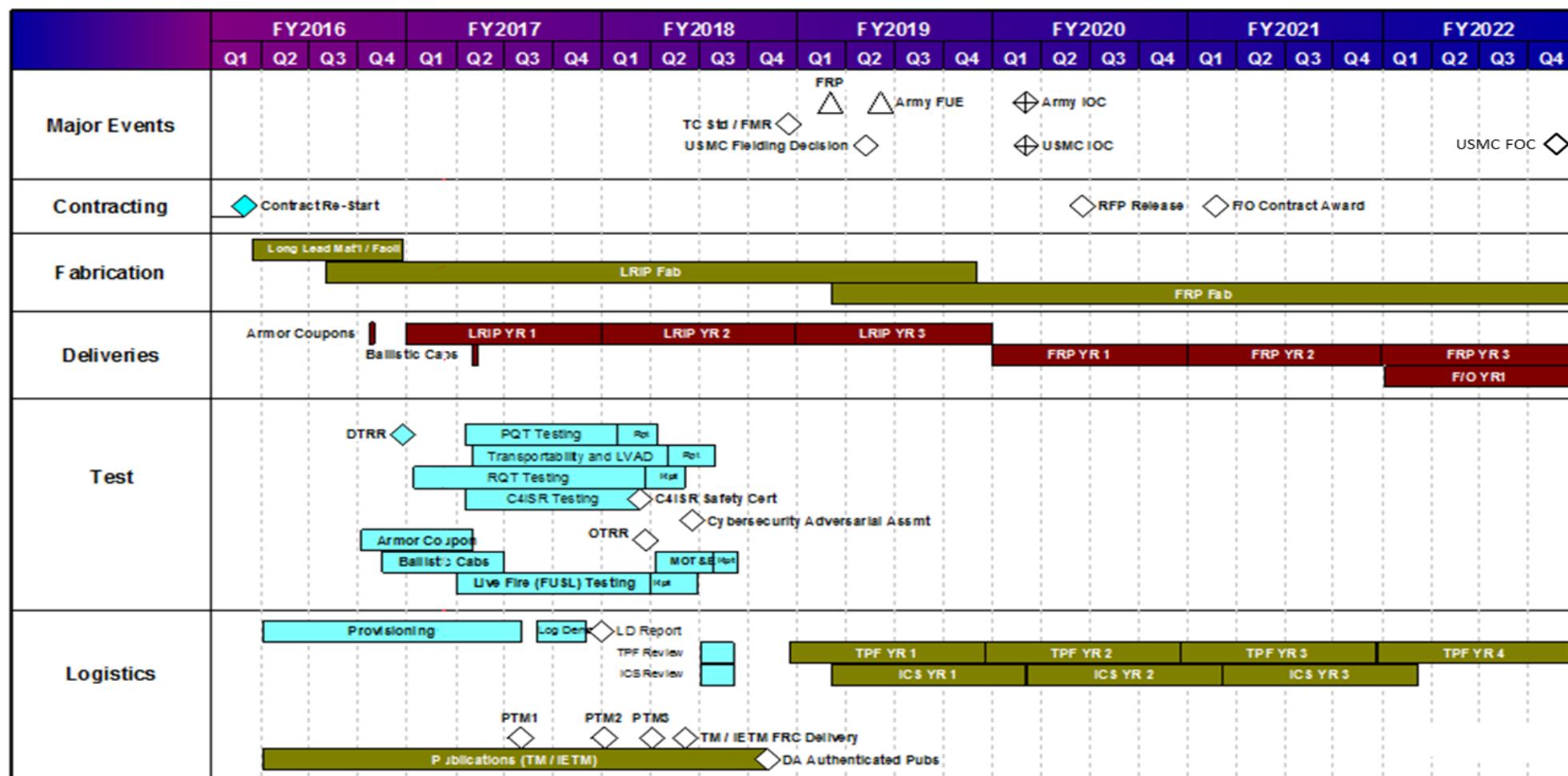
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R-1 Program Element (Number/Name)

PE 0605813M / (U)Joint Light Tactical Veh
(JTLV) Sys Dev & Dem

Project (Number/Name)

3209 / Joint Light Tactical Vehicle



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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605813M / (U)Joint Light Tactical Veh (JTLV) Sys Dev & Dem	Project (Number/Name) 3209 / Joint Light Tactical Vehicle	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3209				
Requirements/Production Qualification Test	1	2017	2	2018
Full Up Systems Level Test	1	2017	2	2018
Logistics Demonstration	3	2017	4	2017
Multi-Service Operational Test and Evaluation	2	2018	3	2018
Full Rate Production Decision	1	2019	1	2019
USMC Fielding Decision	2	2019	2	2019
USMC Initial Operational Capability	1	2020	1	2020
USMC Full Operational Capability	4	2022	4	2022
Full Operational Capability	4	2022	4	2022