

UNCLASSIFIED

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 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 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	94.900	24.790	23.197	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	142.887
3209: Joint Light Tactical Vehicle	94.900	24.790	23.197	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	142.887
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.												
B. Program Change Summary (\$ in Millions)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total				
Previous President's Budget				32.149	23.197	7.873	-	7.873				
Current President's Budget				24.790	23.197	0.000	-	0.000				
Total Adjustments				-7.359	0.000	-7.873	-	-7.873				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-6.198	0.000							
• SBIR/STTR Transfer				-1.161	0.000							
• Program Adjustments				0.000	0.000	-7.873	-	-7.873				
• Rate/Misc Adjustments				0.000	0.000	0.000	-	0.000				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
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 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	94.900	24.790	23.197	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	142.887
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 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.												
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 Assets							10.009	5.041	0.000	0.000	0.000	
Articles:							-	-	-	-	-	
Description: Contract and support for development, fabrication, Field Service Representative (FSR) support, and delivery of vehicles and equipment required for LF Test events.												
FY 2016 Accomplishments: - Continued efforts to support the fabrication of LF test assets that will be destroyed during testing and continue Field Service Representative support for LF testing. -Continued vendor RDT&E activity on the LRIP contract. -Initiated ramp-up of test program to include planning and coordination with government test agencies, requirements definition with Operational Test Authority, and review of test requirements with vendor in accordance with the Test and Evaluation Master Plan (TEMP).												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May 2017		
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
-Initiated efforts to support planned test events to include FUSL, Logistics Demonstration, AFES, C4I, corrosion, and ballistic cab/coupon tests. FY 2017 Plans: -Continue vendor efforts in support of LF testing. -Continue vendor RDT&E activity on the LRIP contract. -Continue logistics support of Government Furnished Equipment (GFE) that will be required for LF test events. -Continue efforts to support planned test events to include FUSL, Logistics Demonstration, AFES, C4I, corrosion, and ballistic cab/coupon tests. FY 2018 Base Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18. FY 2018 OCO Plans: N/A						
Title: GFE, ILS, Facilities Documentation/Analysis and Support Engineering Articles:		4.569 -	1.500 -	0.000 -	0.000 -	0.000 -
FY 2016 Accomplishments: -Completed the procurement of GFE required to support the engineering, development, and integration for testing. -Initiated systems integration activities in support of LF test and systems development at the Government Systems Integration Laboratory (GSIL). FY 2017 Plans: -Continue systems integration activities in support of LF test and systems development at the GSIL. FY 2018 Base Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18. FY 2018 OCO Plans: N/A						
Title: Test and Evaluation Events and Analysis Articles:		8.399 -	14.658 -	0.000 -	0.000 -	0.000 -
FY 2016 Accomplishments: -Completed development of the LRIP test planning documents; TEMP approved 8 July 2016.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017			
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				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
<div>-Initiated LRIP test program to include (but not limited to) FUSL, AFES, ballistic, corrosion, performance, and RAM.</div> <div>FY 2017 Plans: -Continue activity in accordance with the program TEMP to include FUSL, AFES, Log Demo, C4I, corrosion, and ballistic cab/coupon tests. -Complete corrosion and ballistic cab/coupon tests. -Initiate Live Fire test. -Initiate Physical Configuration Audit (PCA)</div> <div>FY 2018 Base Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18.</div> <div>FY 2018 OCO Plans: N/A</div>						
<div>Title: Program Management Support</div> <div>Articles:</div> <div>FY 2016 Accomplishments: -Initiated support for LRIP activity to include program management for test events, GFE management, monitoring and execution of the LRIP contract, and monitoring of vendor performance during LF testing.</div> <div>FY 2017 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.</div> <div>FY 2018 Base Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18.</div> <div>FY 2018 OCO Plans: N/A</div>		1.813 -	1.998 -	0.000 -	0.000 -	0.000 -
Accomplishments/Planned Programs Subtotals		24.790	23.197	0.000	0.000	0.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
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				
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: 0605812M- JLTV	58.578	113.230	233.639	-	233.639	665.477	739.211	469.511	532.720	Continuing	Continuing	
• OPA/D15603: JLTV (Army)	249.911	587.514	805.058	-	805.058	1,079.789	1,100.567	1,136.743	1,169.725	Continuing	Continuing	
• RDTEA/VU9: 0605812A-JLTV (Army)	32.486	11.530	23.522	-	23.522	2.905	2.971	1.967	0.000	Continuing	Continuing	
• RDT&E/0605813M: Joint Light Tactical Vehicle (Sys Dev & Dem)	0.000	0.000	20.710	-	20.710	2.280	2.135	0.000	0.000	0.000	25.125	
Remarks												
Joint Program Live Fire Test Asset/LRIP contract awarded 25 Aug 2015.												
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 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												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
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				
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
Prior Years Cumulative Funding	Various	Various : Various	38.353	0.000		0.000		0.000		-		0.000	0.000	38.353	-
Live Fire Test Assets	C/FFP	Oshkosh : Oshkosh, WI	4.280	10.009	Feb 2016	5.041	Dec 2016	0.000		-		0.000	0.000	19.330	Continuing
Subtotal			42.633	10.009		5.041		0.000		-		0.000	0.000	57.683	-
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
GFE	Various	Various : Various	0.628	4.569	Jul 2016	0.000		0.000		-		0.000	0.000	5.197	-
Prior Years Cumulative Funding	Various	Various : Various	3.278	0.000		0.000		0.000		-		0.000	0.000	3.278	-
System Integration	MIPR	SSC-A : Charleston, SC	0.000	0.000		1.500	Feb 2017	0.000		-		0.000	0.000	1.500	-
Subtotal			3.906	4.569		1.500		0.000		-		0.000	0.000	9.975	-
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 & Evaluation (Performance, RAM, Ballistic, Report Generation)	MIPR	Govt Proving Grounds-ARL : Aberdeen, MD	6.576	1.010	Jan 2016	1.153	Jan 2017	0.000		-		0.000	0.000	8.739	-
Prior Years Cumulative Funding	Various	Various : Various	14.813	0.000		0.000		0.000		-		0.000	0.000	14.813	-
Developmental Test & Evaluation (Performance, RAM, Ballistic, Report Generation)	MIPR	Govt Proving Grounds : Various	7.029	0.479	Apr 2016	4.100	Jan 2017	0.000		-		0.000	0.000	11.608	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
Appropriation/Budget Activity 1319 / 4						R-1 Program Element (Number/Name) PE 0605812M I (U)Joint Light Tactical Vehicle(JLTV) EMD				Project (Number/Name) 3209 I Joint Light Tactical Vehicle					
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
Operational Testing (Planning, Conduct, Evaluation and Report Generation)	MIPR	Govt Proving Grounds : Various	3.165	0.000	Apr 2016	4.896	Jan 2017	0.000		-		0.000	0.000	8.061	-
Developmental Test & Evaluation (Oversight)	WR	MCOTEA : Quantico, VA	0.776	0.448	Feb 2016	0.200	Jan 2017	0.000		-		0.000	0.000	1.424	-
Live Fire Test & Evaluation	MIPR	ATC : Aberdeen, MD	2.061	5.149	Jan 2016	3.829	Jan 2017	0.000		-		0.000	0.000	11.039	-
Developmental Test & Evaluation	C/FFP	CORVID : Moorsville, NC	0.000	1.313	May 2016	0.480	May 2017	0.000		-		0.000	0.000	1.793	-
Subtotal			34.420	8.399		14.658		0.000		-		0.000	0.000	57.477	-
Management Services (\$ 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
Prior Years Cumulative Funding	Various	Various : Various	10.829	0.000		0.000		0.000		-		0.000	0.000	10.829	-
Program Management Support	C/CPFF	Various : Various	1.340	1.568	Jan 2016	1.548	Oct 2016	0.000		-		0.000	0.000	4.456	-
Program Management Support	C/CPFF	CECOM/MITRE : Aberdeen Proving Ground, MD	1.053	0.077	Mar 2016	0.150	Oct 2016	0.000		-		0.000	0.000	1.280	-
Travel	Various	MCSC : Quantico, VA	0.719	0.168	Oct 2015	0.300	Oct 2016	0.000		-		0.000	0.000	1.187	-
Subtotal			13.941	1.813		1.998		0.000		-		0.000	0.000	17.752	-
			Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			94.900	24.790		23.197		0.000		-		0.000	0.000	142.887	-
Remarks															

UNCLASSIFIED

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

Date: May 2017

Appropriation/Budget Activity

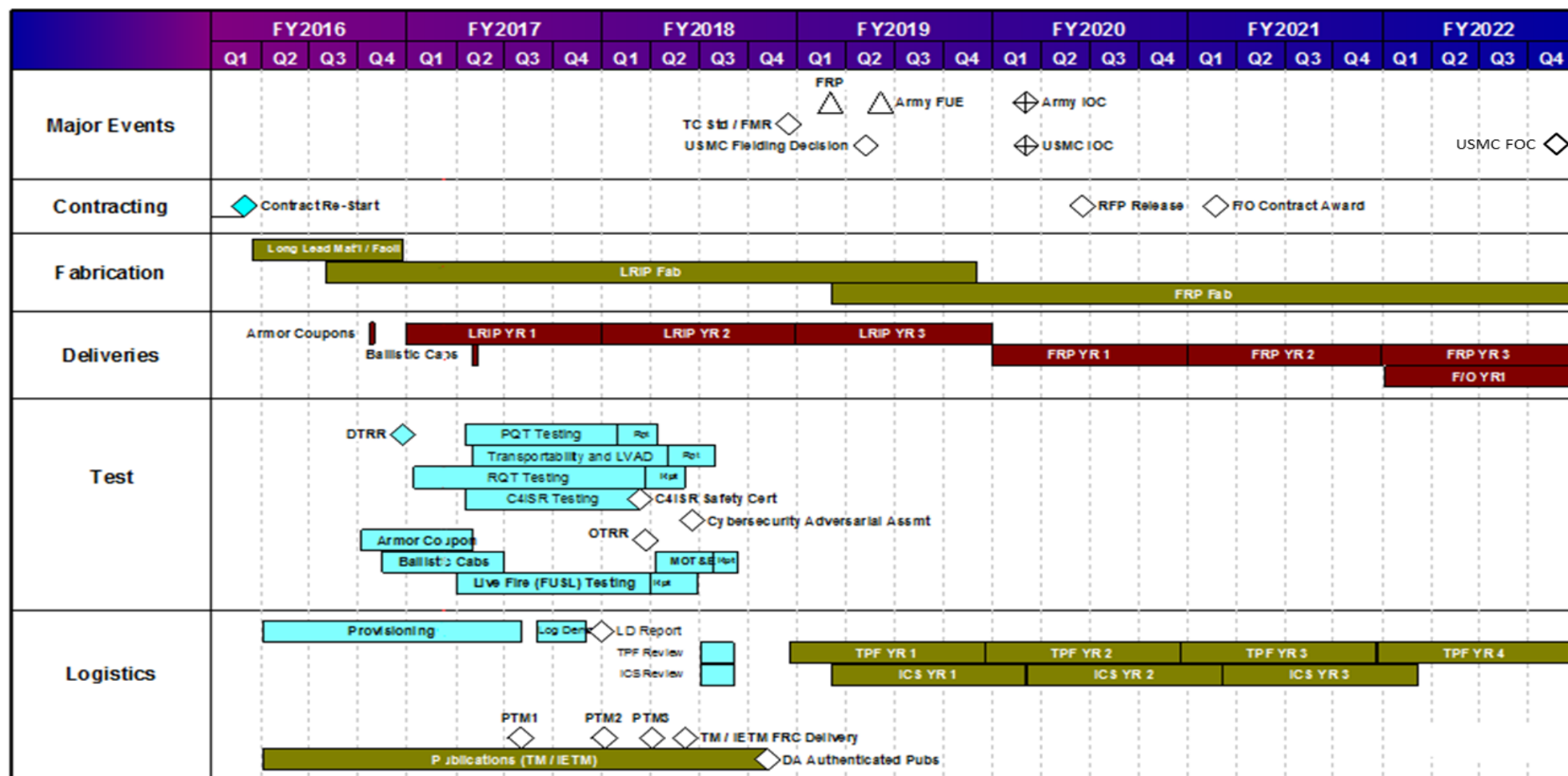
1319 / 4

R-1 Program Element (Number/Name)

PE 0605812M / (U)Joint Light Tactical Vehicle(JLTV) EMD

Project (Number/Name)

3209 / Joint Light Tactical Vehicle



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
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	

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 Operation Test & 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