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|--|-------------|---------|---------|--------------|--|---------------|-------------|---------------|---------|---------------------|------------------|------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | |
| 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 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| Total Program Element | 119.690 | 7.658 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 127.348 |
| 3209: Joint Light Tactical Vehicle | 119.690 | 7.658 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 127.348 |
| 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 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | | | | |
| Previous President's Budget | | | | 23.197 | 0.000 | 0.000 | - | 0.000 | | | | |
| Current President's Budget | | | | 7.658 | 0.000 | 0.000 | - | 0.000 | | | | |
| Total Adjustments | | | | -15.539 | 0.000 | 0.000 | - | 0.000 | | | | |
| • Congressional General Reductions | | | | - | - | | | | | | | |
| • Congressional Directed Reductions | | | | - | - | | | | | | | |
| • Congressional Rescissions | | | | - | - | | | | | | | |
| • Congressional Adds | | | | - | - | | | | | | | |
| • Congressional Directed Transfers | | | | - | - | | | | | | | |
| • Reprogrammings | | | | -1.687 | 0.000 | | | | | | | |
| • SBIR/STTR Transfer | | | | -0.253 | 0.000 | | | | | | | |
| • Rate/Misc Adjustments | | | | 0.001 | 0.000 | 0.000 | - | 0.000 | | | | |

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PE 0605812M: (U)Joint Light Tactical Vehicle(JLTV) EM...
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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | |
| 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 | | | |
| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| 3209: Joint Light Tactical Vehicle | 119.690 | 7.658 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 127.348 |
| 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 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
| Title: GFE, ILS, Facilities Documentation/Analysis and Support Engineering Articles: FY 2018 Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18. FY 2019 Base Plans: N/A FY 2019 OCO Plans: N/A | | | | | | | | 1.339 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | | | | | | | - | - | - | - | - |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Title: Test and Evaluation Events and Analysis Articles: FY 2018 Plans: | | | | | | | | 4.601 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | | | | | | | - | - | - | - | - |
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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | Date: February 2018 | | | | | | | |
| 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 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | | | | |
| -Funding for the JLTV program transitions to PE 0605813M beginning FY18. FY 2019 Base Plans: N/A FY 2019 OCO Plans: N/A | | | | | | | | | | | |
| Title: Program Management Support <div align="right">Articles:</div> | | | 1.718 - | 0.000 - | 0.000 - | 0.000 - | 0.000 - | | | | |
| FY 2018 Plans: -Funding for the JLTV program transitions to PE 0605813M beginning FY18. FY 2019 Base Plans: N/A FY 2019 OCO Plans: N/A | | | | | | | | | | | |
| Accomplishments/Planned Programs Subtotals | | | 7.658 | 0.000 | 0.000 | 0.000 | 0.000 | | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| Line Item | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| • PMC/5095: 0605812M- JLTV | 104.230 | 233.639 | 607.011 | - | 607.011 | 707.778 | 475.381 | 439.744 | 421.609 | 710.182 | 3,765.577 |
| • OPA/D15603: JLTV (Army) | 587.514 | 804.440 | 1,319.436 | - | 1,319.436 | 1,147.246 | 1,242.725 | 1,346.783 | 1,211.192 | 14,970.677 | 23,044.538 |
| • RDTEA/VU9: 0605812A-JLTV (Army) | 11.086 | 23.467 | 2.686 | - | 2.686 | 2.732 | 1.744 | 2.789 | 4.799 | 74.341 | 584.096 |
| • RDT&E/0605813M: Joint Light Tactical Vehicle (Sys Dev & Dem) | 0.000 | 20.710 | 2.260 | - | 2.260 | 2.122 | 0.026 | 0.024 | 0.022 | 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. | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | Date: February 2018 |
| 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 |
| <p>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.</p> <p>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.</p> <p>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.</p> <p><u>E. Performance Metrics</u></p> <p>Milestone Reviews</p> | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
|--|------------------------|---|-------------|---------|------------|--|------------|--------------|------------|--|------------|---------------------|------------------|------------|--------------------------|
| 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 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 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 | 52.642 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 52.642 | - |
| Subtotal | | | 52.642 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 52.642 | N/A |
| Support (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 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 | 8.475 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 8.475 | - |
| System Integration | MIPR | SSC-A : Charleston, SC | 0.000 | 1.339 | Feb 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.339 | - |
| Subtotal | | | 8.475 | 1.339 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 9.814 | N/A |
| Test and Evaluation (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 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 | 7.586 | 1.153 | Jan 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 8.739 | - |
| Prior Years Cumulative Funding | Various | Various : Various | 17.978 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 17.978 | - |
| Developmental Test & Evaluation (Performance, RAM, Ballistic, Report Generation) | MIPR | Govt Proving Grounds : Various | 7.508 | 2.073 | Jan 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 9.581 | - |
| Developmental Test & Evaluation (Oversight) | WR | MCOTEA : Quantico, VA | 1.224 | 0.200 | Jan 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.424 | - |
| Live Fire Test & Evaluation | MIPR | ATC : Aberdeen, MD | 7.210 | 0.695 | Sep 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 7.905 | - |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
|--|------------------------|---|-------------|---------|------------|--|------------|--------------|------------|--|------------|---------------------|------------------|------------|--------------------------|
| 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 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 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 | C/FFP | CORVID : Moorsville, NC | 1.313 | 0.480 | May 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.793 | - |
| Subtotal | | | 42.819 | 4.601 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 47.420 | N/A |
| Management Services (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 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 | 2.908 | 1.268 | Oct 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 4.176 | - |
| Program Management Support | C/CPFF | CECOM/MITRE : Aberdeen Proving Ground, MD | 1.130 | 0.150 | Sep 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.280 | - |
| Travel | Various | MCSC : Quantico, VA | 0.887 | 0.300 | Oct 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.187 | - |
| Subtotal | | | 15.754 | 1.718 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 17.472 | N/A |
| | | | Prior Years | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 119.690 | 7.658 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 127.348 | N/A |
| Remarks | | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy

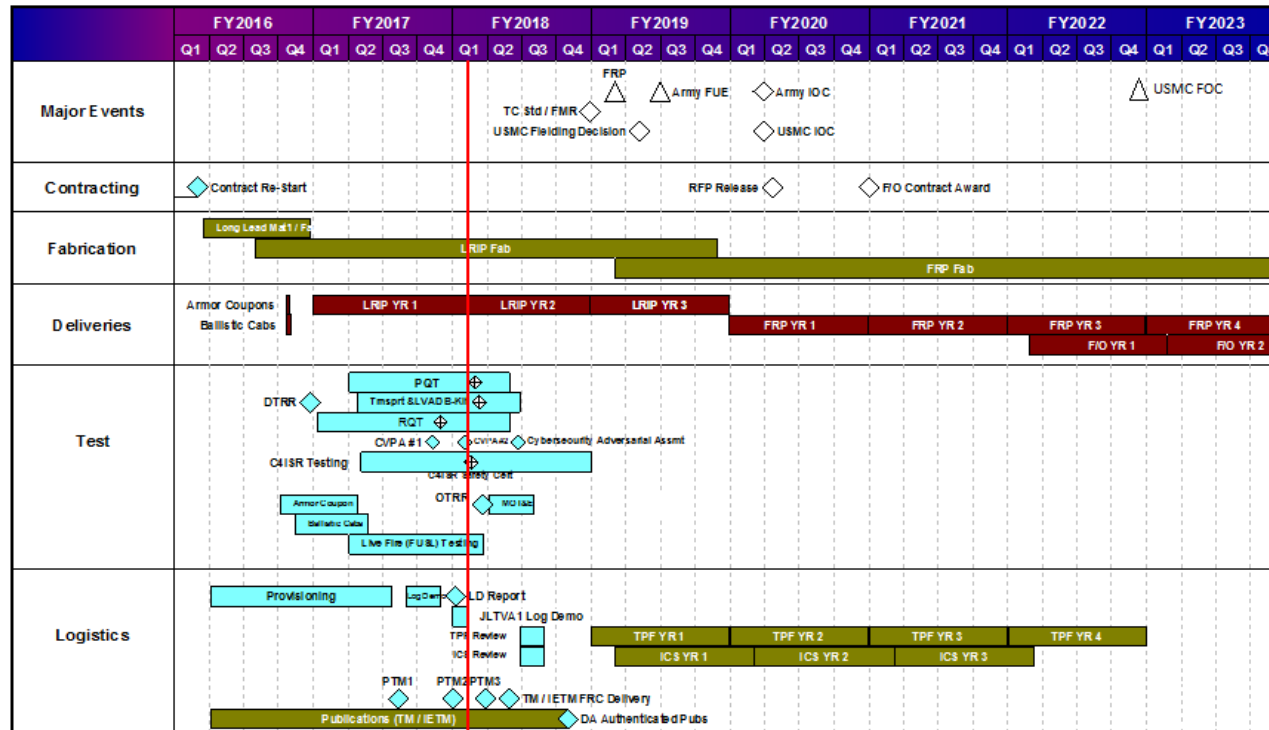
Date: February 2018

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

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| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy | | | Date: February 2018 |
| 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 | 1 | 2018 |
| Logistics Demonstration | 3 | 2017 | 1 | 2018 |
| 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 |