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Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

Modernized Selected Acquisition Report (MSAR) Joint Light Tactical Vehicle (JLTV)

FY 2025 President's Budget

Effective: December 31, 2023

Defense Acquisition Visibility Environment

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(U) Common DoD Abbreviations

\$B	Billions of Dollars
\$K	Thousands of Dollars
\$M	Millions of Dollars
ACAT	Acquisition Category
Acq O&M	Acquisition-Related Operations and Maintenance
ADM	Acquisition Decision Memorandum
APA	Additional Performance Attribute
APB	Acquisition Program Baseline
APPN	Appropriation
APUC	Average Procurement Unit Cost
BA	Budget Authority or Budget Activity
Blk	Block
BY	Base Year
CAE	Component Acquisition Executive
CAPE	Cost Assessment and Program Evaluation
CARD	Cost Analysis Requirements Description
CCE	Component Cost Estimate
CCP	Component Cost Position
CDD	Capability Development Document
CLIN	Contract Line Item Number
CPD	Capability Production Document
CY	Calendar Year or Constant Year
DAB	Defense Acquisition Board
DAE	Defense Acquisition Executive
DAES	Defense Acquisition Executive Summary
DAVE	Defense Acquisition Visibility Environment
DoD	Department of Defense
DSN	Defense Switched Network
EMD	Engineering and Manufacturing Development
EVM	Earned Value Management
FD	Full Deployment
FDD	Full-Deployment Decision
FMS	Foreign Military Sales
FOC	Full Operational Capability
FRP	Full-Rate Production
FY	Fiscal Year
FYDP	Future Years Defense Program
ICD	Initial Capabilities Document
ICE	Independent Cost Estimate
Inc	Increment
IOC	Initial Operational Capability
IT	Information Technology
JROC	Joint Requirements Oversight Council
KPP	Key Performance Parameter
KSA	Key System Attribute

LRIP	Low-Rate Initial Production
MDA	Milestone Decision Authority
MDAP	Major Defense Acquisition Program
MILCON	Military Construction
N/A	Not Applicable
O	Objective
O&M	Operations and Maintenance
O&S	Operating and Support
ORD	Operational Requirements Document
OSD	Office of the Secretary of Defense
PAUC	Program Acquisition Unit Cost
PB	President's Budget
PE	Program Element
PEO	Program Executive Officer
PM	Program Manager
POE	Program Office Estimate
R&MF	Revolving and Management Funds
RDT&E	Research, Development, Test, and Evaluation
SAR	Selected Acquisition Report
SCP	Service Cost Position
T	Threshold
TBD	To Be Determined
TY	Then Year
U.S.	United States
U.S.C	United States Code
UCR	Unit Cost Reporting
USD(A&S)	Under Secretary of Defense (Acquisition and Sustainment)

(U) Program Description

Full Name Joint Light Tactical Vehicle	Short Name JLTV
PNO 279	Milestone Decision Authority Component Acquisition Executive
Lead Component Department of the Army	Program Executive Office PEO Combat Support & Combat Service Support (CS&CSS)
Joint Program Yes	Supporting Components Department of the Navy
Adaptive Acquisition Pathway Major Capability Acquisition	International Partners Albania, Brazil, Denmark, Israel, Lithuania, Mongolia, Republic of Montenegro, Republic of North Macedonia, Romania, Slovak Republic, Slovenia, United Kingdom
Acquisition Category IC	Acquisition Type Major Defense Acquisition Program
Acquisition Status Active Acquisition	Acquired Systems JLTV

Mission

The primary mission of the Joint Light Tactical Vehicle (JLTV) is to provide protected, sustained and networked light tactical mobility to the Joint forces capable of worldwide deployment across the full spectrum of military operations and mission profiles under all weather and terrain conditions.

The JLTV will be transportable over long distances within any theater of operations through numerous lift assets and options, from sealift and amphibious shipping to airlift (both fixed and rotary wing) and low velocity aerial delivery. It will provide mobility to reconnaissance units and direct fire in support of combat maneuver with substantial payload for personnel, equipment and supplies.

The JLTV will support command, control and communication in both stationary and on-the-move modes, enabling interoperability with Joint and coalition forces in decentralized operations over extended ranges in complex and dynamic operational environments.

System Description: the JLTV Family of Vehicles is comprised of two variants based upon a common automotive platform, a two-seat Combat Support Vehicle (CSV) and a four-seat Combat Tactical Vehicle (CTV) as well as a companion trailer. The two-seat CSV variant consists of one base vehicle platform: the Utility (UTL); which has a payload capacity of 5,100-pounds. The four-seat CTV variant consists of two base vehicle platforms: the General Purpose (GP) and the Close Combat Weapons Carrier (CCWC); which has a payload capacity of 3,500-pounds. Each base vehicle platform will be configured as mission package configurations such as the GP, Heavy Guns Carrier (HGC), CCWC, and UTL.

(U) Responsible Office**Program Executive Officer**

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(U) Executive Summary

Program Highlights Since Last Report

The JLTV is a Joint Army and U.S. Marine Corps (USMC) program for which the Army is the lead Service.

The JLTV program capability requirements are stable, and funding is adequate to meet cost, schedule, and performance objectives established in the current approved APB. As reported in the 2019 SAR, the Program experienced a schedule deviation to FOC based on funding decrements. Program office notified the Milestone Decision Authority (MDA) of the schedule deviation through a formal Program Deviation Report (PDR) which was approved on March 3, 2020. It is anticipated that the FOC date will continue to be impacted by Army priorities and requirements.

As reported in the 2022 SAR, additional Office of the Secretary of Defense (OSD) funding for RDT&E and Procurement was received for Operation Energy Initiatives such as Tactical Vehicle Electrification (TVEK) / Anti-Idle and Hybrid Electric Vehicle (HEV). This additional funding has caused a Research Development Test and Evaluation (RDT&E) cost deviation. Pending strategy decisions with the MDA, if applied to current objective Key System Attribute (KSA) requirement(s), this funding is assessed to be sufficient to support development.

Since the last SAR, the program experienced an Acquisition Operation & Maintenance (O&M) cost deviation due to funding decrements which has caused a schedule shift.

The program will continue to report an expected non-compliance to the APB FOC threshold requirement, RDT&E cost deviation and Acquisition O&M cost deviation until the APB is re-baselined, which is planned to occur in June 2024 following the reconciliation of the Independent Cost Estimate to support the Operational Sustainment Review, scheduled for May 2024.

On February 9, 2023, the Army announced the award of a follow-on requirements contract with five base ordering years plus five one-year optional ordering periods to AM General, for estimated Joint and Foreign Military Sales production of up to 20,682 JLTV's and up to 9,883 JLTV Trailers. Total contract value is \$8.66B. A split procurement will occur between the existing Oshkosh Contract and AM General based on the approved acquisition strategy through FY 2024. Oshkosh submitted a protest to the award on March 6, 2023. On June 12, 2023, the U.S. Government Accountability Office denied Oshkosh's protest and found that the Army acted in accordance with the solicitation to make the award to AM General.

AM General will produce the JLTV A2 configuration which incorporates technical enhancements identified by our Soldiers and the Marines. This includes improved noise reduction, storage space, power distribution systems, corrosion protection, and fuel efficiency. The program is evaluating a six-month schedule adjustment for initial JLTV A2 deliveries due to near-term supply chain challenges.

During FY 2023, the program executed \$203.1M (Army) and \$106.7M (USMC) in support of Ukraine efforts. As a result of the FY 2024 Department of Defense Appropriation Conference, the program received funding reductions of \$27.2M in the Army RDT&E line, \$298.1M in the Army Procurement line and \$10.8M in the USMC Procurement line.

Defense Cost and Resource Center Cost and Software Data Reporting Compliance Rating: Green.

There are no significant software-related issues with this program at this time.

(U) History of Significant Developments Since Program Inception

Date	Description
February 2023	On February 9, 2023, the Army announced the award of a follow-on requirements contract with five base ordering years plus five one-year optional ordering periods to AM General, for estimated Joint and Foreign Military Sales production of up to 20,682 Joint Light Tactical Vehicles (JLTV) and up to 9,883 JLTV Trailers. Total contract value is \$8.66B. AM General will produce the JLTV A2 configuration which incorporates technical enhancements identified by our Soldiers and the Marines. This includes improved noise reduction, storage space, power distribution systems, corrosion protection, and fuel efficiency.
March 2022	On March 18, 2022, the JLTV-Trailer achieved Full Materiel Release (FMR).
March 2022	On March 15, 2022, the JLTV-Trailer received Type Classification Approval (TC).
March 2022	On March 31, 2022, the JLTV-Trailer completed First Unit Equipped to 2-2 Infantry Division (ID).
September 2021	On September 29, 2021, JLTV achieved FMR. The Materiel Release Office converted the JLTV Family of Vehicles to FMR based on completion and formal closure of the JLTV Get Well Plan conditions.
April 2020	Initial Operational Capability (IOC) was declared on April 23, 2020. JLTV has met the requirements and capabilities for IOC for the JLTV program. The system has been 100% fielded to the 1st Armored Brigade Combat team, 3rd Infantry Division (1-3 ID). The Commander of 1-3 ID has certified that the unit is fully trained and has met its Mission Essential Task List in an operational environment with the JLTV during a National Training Center rotation at Fort Irwin, CA. All maintenance, support personnel, infrastructure are in place and New Equipment Training has been conducted to support 1-3 ID fielding of the JLTV (to include spares/repair parts) as outlined in the Material Fielding Agreement.
May 2019	The Army Acquisition Executive (AAE) concurred with the information presented in the JLTV Full Rate Production (FRP) Army System Acquisition Review Council briefing dated May 30, 2019, which recommended approval to enter FRP. The FRP Acquisition Decision Memorandum (ADM) was signed by the AAE on June 20, 2019.
December 2018	Army System Acquisition Review Council approved fielding of Low Rate Initial Production (LRIP) production quantities under Conditional Material Release (CMR).
December 2018	Approval of increase to LRIP quantity and awarded an additional 6,097 vehicles on November 27, 2018.
December 2018	Army Requirements Oversight Council provided guidance to obtain Soldier assessment on situational awareness and provide additional information on noise, troop seats, and trailers.
August 2018	Between February and April 2018, Army and USMC units participated in the JLTV Multi-Service Operational Test and Evaluation event. This was held at Twenty-Nine Palms, California, with a USMC Amphibious Assault mission conducted at Camp Pendleton, California. A total of 39 JLTVs ran approximately 36,500 miles during this event, which included unique mission cycles, helicopter sling load, amphibious landings, and road marches.
August 2015	On August 25, 2015, the Milestone C Defense Acquisition Board (DAB) was successfully held and the Defense Acquisition Executive (DAE) signed the Acquisition Decision Memorandum (ADM) authorizing entrance into the Production and Deployment phase. The contract was awarded on the same day to Oshkosh Defense LLC. On September 8, 2015 a Stop Work Order was issued to Oshkosh after Lockheed Martin filed a protest with the Government Accountability Office (GAO). On December 15, 2015 the GAO dismissed the protest due to Lockheed Martin's notice of intent to file a Post-Award Bid Protest with the U.S. Court of Federal Claims (COFC). The Stop Work Order was officially cancelled and Oshkosh resumed work. On December 17, 2015 Lockheed Martin officially filed a complaint with the COFC. On

Date	Description
	February 12, 2016 the COFC denied their request for a preliminary injunction and shortly after on February 17, 2016 Lockheed Martin officially withdrew their protest of the JLTV contract award decision.
August 2012	The Milestone B decision authorized entry into Engineering and Manufacturing Development (EMD).
August 2012	Three firm-fixed price contracts with a total value of \$184.8M were awarded to the AM General LLC, Lockheed Martin Corporation and Oshkosh Defense LLC for a 27-month period of performance. The Engineering & Manufacturing Development (EMD) phase included 14-months of performance, reliability and ballistic testing in order to validate that JLTV prototype vehicles achieve Key Performance Parameter (KPP) and Key System Attribute (KSA) thresholds and to support the source selection process for Production and Deployment. Each EMD vendor fabricated, assembled, tested and delivered a total of 66 prototype vehicles and 18 trailers (22-vehicles and six-trailers from each vendor), along with ballistic structures, armor coupons and other test assets, vendor-furnished kits, trailers and data requirements. In November 2014, the period of performance for all three contracts ended and all EMD testing successfully completed.
January 2012	A full and open competition solicitation was issued using a best value tradeoff source selection process.
October 2008	Three cost reimbursable contracts with a total value of \$239.8M were awarded under full and open competition to BAE Systems Land & Armaments, General Tactical Vehicles LLC and Lockheed Martin Corporation. Technology Development (TD) efforts included the design, development, modeling, simulation, fabrication, test and test support of 24 prototype JLTVs and companion trailers. The initial requirements proved very challenging for the TD prototypes. Consequently, the requirements evolved to incorporate lessons learned and were closely aligned with the capabilities and performance demonstrated by the TD vendors.
December 2007	JLTV achieved Milestone A initiating the Technology Development (TD) phase.
January 2007	JLTV is one of the first programs to fully implement the OSD September 2007 Competitive Prototyping policy which calls for two or more competing teams producing prototypes through Milestone B with the goal of reducing risk and synchronizing requirements.

(U) Schedule**(U) Schedule Events**

Events		APB Change 1 (Current) 11/19/2019 Objective / Threshold		Current Estimate 12/31/2023	Actual
Milestone B	MS B	Aug 2012	Aug 2012	-	20 Aug 2012
Milestone C	MS C	Aug 2015	Aug 2015	-	25 Aug 2015
Begin MOT&E	IOT&E	Feb 2018	Feb 2018	-	1 Feb 2018
Complete MOT&E	IOT&E	Apr 2018	Apr 2018	-	1 Apr 2018
FRP Decision	FRP Decision	May 2019	May 2019	-	30 May 2019
IOC	IOC	Dec 2019	Jun 2020	-	23 Apr 2020
FOC	FOC	Nov 2039	May 2040	Nov 2057*	-

* Baseline Deviation

Notes

- The program will continue to report an expected non-compliance to the APB FOC threshold requirement until the APB is re-baselined, which is planned to occur in June 2024 following the reconciliation of the Independent Cost Estimate to support the Operational Sustainment Review, scheduled for May 2024.
- On May 30, 2019, the Army System Acquisition Review Council approved JLTV to enter into Full Rate Production.
- The U.S. Marine Corps achieved IOC on August 2, 2019.

Schedule Baseline Deviation Explanation

- As reported in the 2019 SAR, the estimate for FOC moved from Nov 2039 to Nov 2045 due to funding reductions of approximately \$1.34B in Presidential Budget (PB) 2021 which resulted in a stretch-out of the Army procurement buy profile of approximately six years.
- During the 2020 SAR reporting period, FOC moved from Nov 2045 to Nov 2047 due to funding reductions of approximately \$10M in FY 2021 and \$580M in PB 2022 (FY 2022 - 2026) which resulted in a stretch-out of the Army procurement buy profile of approximately 2 more years.
- During the 2021 SAR reporting period, funding increased approximately \$277M in PB 2023 (FY 2023 -2027), but the increase to inflation and updates based on the Follow On contract resulted in a stretch out of the Army procurement buy profile of 1 additional year which moved FOC from Nov 2047 to Nov 2048.
- During the 2022 SAR reporting period, FOC moved from Nov 2048 to Nov 2049. The overall procurement funding increased by ~\$99.3M from PB 2023 to PB 2024 (FY2024 -2028) however, the funding specific to the Truck line decreased by ~\$1.5M in the last year of the PB (FY 2028) which gets carried out through the end of production. Additionally, adjustments made to the overall Army vehicle quantity configurations resulted in a stretch out of the Army procurement buy profile of 1 additional year.

- During the 2023 SAR reporting period, FOC estimate moved from Nov 2049 to Nov 2057 due to funding reductions of \$928.1M in PB 2025 (FY 2025 - 2029) and an additional \$298.1M Congressional Mark in FY 2024 which resulted in a stretch-out of the Army procurement buy profile of approximately 8 more years.
- The full Army Procurement Objective (APO) of 49,099 will be fielded and our Soldiers considered proficient and combat deployable with the system by November 2057.

(U) Current Significant Schedule Risks and Risks Identified at Milestones/Decisions

Event	Date	Description
Current	12/31/2023	Global Supply Chain: If costs do not come down to pre-COVID levels, then the program will likely see an increase in costs due to unplanned natural pandemic. Also, if components are not available, or as quickly available, within lead times identified during pre-COVID activities, then there is a highly likelihood that there will be production delays due to parts availability.
Current	12/31/2023	A2 Qualification Delays: If JLTV A2 qualification is not completed within 32 months after contract award (18 months after contract award for test article deliveries and 14 months for qualification testing) to include A2 design, technology enhancements, and Next Generation Vehicle Architecture, then the program will have a production break, a gap in fieldings, and inability to obligate funding for vehicle purchases.
Current	12/31/2023	A2 Sourcing: If AM General does not make source selections in time with Purchase Orders to meet the Production Part Approval Process (PPAP) / Component First Article Test (CFAT) and material need dates, then vehicle deliveries to meet the requirements of the Manufacturing Readiness Assessment, First Production Vehicle Inspection and Test schedule is at significant risk of both quality and schedule.
MS C	8/1/2015	There were no schedule risks identified at Milestone C.
MS B	8/1/2012	If there are unexpected test delays or unforeseen mishaps, then the test program may not be completed within schedule. Risk mitigated by successfully working with the Army Test and Evaluation Command to effectively prioritize the timing of all testing which helped ensure test events were fully supported. Alternate test site agreements were obtained by Test Management Community which confirmed their availability when needed. Additionally, the successful execution of the Corrective Action Plans mitigated test program issues. All EMD performance, ballistic, reliability, availability and maintainability testing, as well as the Limited Users Test were successfully completed and supported both the requirements of the LRIP down select process as well as the data requirements necessary for the successful Milestone C decision.

(U) Performance

Additional information for this section is provided in the classified annex to this submission.

(U) Performance Attributes

Mobility		KPP
Current Estimate 12/31/2023		Met Threshold
Demonstrated Performance 8/1/2015		Rating Cone Index - Single Pass = 24; Sand Slopes =28%
APB Change 1 (Current) 11/19/2019	Objective	The JLTV mobility shall support continuous operation across worldwide terrains, climatic conditions, and soil types at speeds consistent with conducting fast-paced military operations. This includes paved primary road networks, gravel/dirt secondary roadways, single track trails with no manmade improvements, and cross-country terrain with no roads, routes, or well-worn trails. The JLTV at GVW shall be capable of traversing fine grain soils with an RCI of 22 in a single pass and also ascend and descend coarse grained, dry sand (less than 1% moisture content) 40% longitudinal slopes. The threshold applies within the confidence bounds of established soft soil test procedures.
	Threshold	The JLTV mobility shall support continuous operation across worldwide terrains, climatic conditions, and soil types at speeds consistent with conducting fast-paced military operations. This includes paved primary road networks, gravel/dirt secondary roadways, single track trails with no manmade improvements, and cross-country terrain with no roads, routes, or well-worn trails. The JLTV at GVW shall be capable of traversing fine grain soils with an RCI of 25 in a single pass and also ascend and descend coarse grained, dry sand (less than 1% moisture content) 30% longitudinal slopes. The threshold applies within the confidence bounds of established soft soil test procedures.
Transportability		KPP
Current Estimate 12/31/2023		Will Meet Threshold
Demonstrated Performance -		1xCH-47F 50NM SL/SD @ ECC. Received Transportability certification from Surface Deployment and Distribution Command Transportation Engineering Agency on September 22, 2021. CH-53K external lift requirement remains deferred until 180 days after the CH-53 Program achieves IOC.
APB Change 1 (Current)	Objective	The JLTV FoV shall be transportable worldwide by air and sea modes to support strategic deployment and operational maneuver in accordance with service concepts and programs. Rotary Wing: General Purpose - USMC: 2x CH-53K 40NM high-hot @ GVW, USA: 1xCH-47F 50NM 4k/95F @ GVW, USA: 1xMH-47 30NM IAT 4k/95F

		<p>@ECC. Heavy Guns Carrier - USMC: 2x CH-53K 40NM high-hot @ GVW, USA: 1xCH-47F 50NM 4k/95F @ GVW, USA: 1xMH-47 30NM IAT 4k/95F @ECC. Close Combat Weapons Carrier - USMC: 2x CH-53K 40NM high-hot @ GVW, USA: 1xCH-47F 50NM 4k/95F @ GVW, USA: 1xMH-47 30NM IAT 4k/95F @ECC. Utility (2 Seat) - USMC: 2x CH-53K 40NM high-hot @ GVW, USA: 1xCH-47F 50NM 4k/95F @ GVW, USA: 1xMH-47 30NM IAT 4k/95F @ECC. Utility (Shelter) - Not a KPP for JLTV Utility vehicles when carrying a shelter. Note: Range, temperature, and pressure data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 40NM flight; sea-level take off & 3,000ft landing; 2) CH-47F high hot: 95 F / 35 deg C, 4,000 feet, 50NM; 3) CH-47F SL/SD: Sea Level / Standard Day (70 F), 50NM. Sealift. Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expeditionary capabilities. The USMC and Navy JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the prepositioning and amphibious ships where current HMMWVs are loaded, including height restricted deck spaces of MPS and amphibious class ships.</p>
11/19/2019	Threshold	<p>The JLTV FoV shall be transportable worldwide by air and sea modes to support strategic deployment and operational maneuver in accordance with service concepts and programs. Rotary Wing: General Purpose - USMC: 2x CH-53K 40NM high-hot @ECC, USA: 1xCH-47F 50NM SL/SD @ ECC. Heavy Guns Carrier - USMC: 2x CH-53K 40NM high-hot @ECC, USA: 1xCH-47F 50NM SL/SD @ ECC. Close Combat Weapons Carrier - USMC: 2x CH-53K 40NM high-hot @ECC, USA: 1xCH-47F 50NM SL/SD @ ECC. Utility (2 Seat) - USMC: 2x CH-53K 40NM high-hot @ECC, USA: 1xCH-47F 50NM SL/SD @ ECC. Utility (Shelter) - Not a KPP for JLTV Utility vehicles when carrying a shelter. Note: Range, temperature, and pressure data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 40NM flight; sea-level take off & 3,000ft landing; 2) CH-47F high hot: 95 F / 35 deg C, 4,000 feet, 50NM; 3) CH-47F SL/SD: Sea Level / Standard Day (70 F), 50NM. Sealift. Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expeditionary capabilities. The USMC and Navy JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the prepositioning and amphibious ships where current HMMWVs are loaded, including height restricted deck spaces of MPS and amphibious class ships.</p>
Survivability		KPP
Current Estimate 12/31/2023	Met Objective	
Demonstrated Performance 8/1/2015	Integrated structure with roof to support 150% of Gross Vehicle Weight Rating (O)	
APB Change 1 (Current)	Objective	The JLTV FoV (at GVW) shall provide a crashworthy vehicle structure capable of maintaining structural integrity in a rollover; quantified as a crush resistant roof structure capable of supporting 150% of its own GVW

11/19/2019		after a dynamically applied impact load.
	Threshold	The JLTV FoV (at GVW) shall provide a crashworthy vehicle structure capable of maintaining structural integrity in a rollover; quantified as a crush resistant roof structure capable of supporting 100% of its own GVW after a dynamically applied impact load.
Payload		KPP
Current Estimate 12/31/2023		Met Threshold
Demonstrated Performance 1/1/2018		4 Seat CTV variants: 3,500 lbs; 2 Seat Utility variants: 5,100 lbs
APB Change 1 (Current) 11/19/2019	Objective	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC) shall have an on vehicle payload of 5,100lbs. CSV Utility: 11,000lbs. Utility variants shall transport the S250 LWMS, S-788 SICPS RWS, SECM and other Data Interchange shelters within the payload capabilities of the variant, current as of June 2011.
	Threshold	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC) shall have an on vehicle payload of 3,500lbs. CSV Utility: 5,100lbs. Utility variants shall transport the S250 LWMS, S-788 SICPS RWS, SECM and other Data Interchange shelters within the payload capabilities of the variant, current as of June 2011.
Sustainment		KPP
Current Estimate 12/31/2023		Met Threshold
Demonstrated Performance 1/1/2018		Ao = 97.7%; Am = 80%.
APB Change 1 (Current) 11/19/2019	Objective	JLTV shall have an Ao of 98% and a Am of 85%.
	Threshold	JLTV shall have an Ao of 95% and a Am of 80%.
Net-Ready		KPP
Current Estimate 12/31/2023		Met Objective
Demonstrated Performance 9/1/2018		Full Net-Ready and Integrated
APB Change 1 (Current) 11/19/2019	Objective	The JLTV FoV will achieve interoperability through the integration of Joint and Service C4I systems installed or mounted on the vehicle. JLTV NR KPP compliance with CJCSI 6212.01F is fulfilled via the systems described in the Platform Integration Information Table (see Table 5-4) and the Interoperability KSA.
	Threshold	(T=0). The JLTV FoV will achieve interoperability through the integration of Joint and Service C4I systems installed or mounted on the vehicle. JLTV NR KPP compliance with CJCSI 6212.01F is fulfilled via the systems described in the Platform Integration Information Table (see Table 5-4) and the Interoperability KSA.
System Training		KPP
Current Estimate		Met Objective

12/31/2023		
Demonstrated Performance 1/1/2019		Training Support Package was approved by the Combined Arms Support Command (CASCOM) on November 20, 2018
APB Change 1 (Current) 11/19/2019	Objective	The JLTV shall have training for operators and maintainers that incorporates and leverages existing training techniques, methods, resources and licensing requirements of each Service. JLTV training shall include in-vehicle training to encompass demonstrating a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.
	Threshold	(T=0). The JLTV shall have training for operators and maintainers that incorporates and leverages existing training techniques, methods, resources and licensing requirements of each Service. JLTV training shall include in-vehicle training to encompass demonstrating a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.

(U) Requirement Source:

Sponsor(s): None

1. Document Type Not Provided

Notes: CPD dated November 21, 2014 as amended in August 21, 2018, March 22, 2019 and April 9, 2019.

Notes

- Transportability KPP testing of the CH-53K "shotgun lift" capability was attempted on October 30-November 02, 2023. Aircraft software issues prevented execution of all required characterization flights. Rescheduling is To Be Determined pending CH-53K software corrective actions and may be as much as a year away.
- Field Level Maintenance (FLMNET) has been increased from 40 hours to 80 hours and includes additional training hours for suspension, engine/transmission and electrical systems. Training has been loaded into the Tank-automotive and Armaments Command (TACOM) Unit Training Assistance Program and verified by the Combined Arms Support Command (CASCOM) and the Training and Doctrine Command (TRADOC) Capabilities manager during Army First Unit Equipped new equipment training.

Performance Deviation Explanation

None

(U) Acquisition Budget Estimate**(U) Total Acquisition Estimates and Quantities**

Category (\$M) Base Year: 2015	APB Change 1 (Current) 11/19/2019 CY\$ obs Objective / Threshold		Current Estimate PB 2025 CY\$ obs / TY\$ obs	
	RDT&E	910.1	1,001.1	1,109.9*
Procurement	23,267.8	25,594.5	22,838.0	35,546.4
MILCON	0.0	0.0	0.0	0.0
O&M	165.6	182.2	217.6*	345.7
R&MF	-	-	0.0	0.0
Total Acquisition	24,343.5	-	24,165.5	37,118.6
Program Acquisition Unit Cost	0.377	0.415	0.391	0.601
Average Procurement Unit Cost	0.361	0.397	0.371	0.577
Program End-Item Quantity				
Development	132		147	
Procurement	64489		61599	
O&M-Acquired	-		-	

* **Baseline Deviation**

Budget Notes

- Beginning in FY 2019, the Army realigned direct civilian personnel pay costs from RDT&E and Procurement investment accounts to O&M to provide additional transparency and auditability.

Quantity Notes

- Developmental quantity (current estimate) above includes 70 Army and 77 USMC vehicles.
- Procurement quantity (current estimate) above includes 49,099 Army and 12,500 USMC vehicles.
- The total PB 2025 estimate includes the procurement of 18,224 Army and 4,000 USMC trailers.
- The Air Force and the Navy are procuring JLTVs independent of the JLTV acquisition program established in the Memorandum of Agreement between the Army and the Marine Corps.

Cost Baseline Deviation Explanation

Parameter	Explanation
Acquisition Cost (RDT&E)	<ul style="list-style-type: none"> The RDT&E deviation was reported in the December 2022 SAR.

Parameter	Explanation
Acquisition Cost (O&M)	<ul style="list-style-type: none"> • The JLTV Program experienced an Acquisition O&M Cost deviation since the last SAR report due to funding decrements which has caused a schedule shift. This resulted in a 37.1% growth in Acquisition O&M. • The Acquisition O&M estimate in this report differs from the MSAR Supplement Workbook due to the difference in inflation indices used for this appropriation. In accordance with the changes directed by The Office of the Deputy Assistant Secretary of the Army for Cost and Economics (DADS-CE); the program is using the Operation and Maintenance - Civilian Pay, Army indices.

(U) Risk and Sensitivity Analysis

Current Procurement Estimate Risks (12/31/2023)	
1	<p>The JLTV Current Estimate is based upon the approved Joint Cost Position (JCP) completed for the FRP Decision and used to establish the FRP APB signed on November 19, 2019. The JLTV Current Estimate cost model is a cost risk adjusted model and reflects a 50% Confidence Level in accordance with Army Cost Guidance, Army Regulation 11-18. The JCP cost model projects vehicle unit costs throughout production. The first production contract unit pricing is known but future contract pricing is not known making it difficult to calculate the impact of changes in annual procurement quantity based on vehicle unit prices that a future vendor would propose. Additionally, the JLTV Family of Vehicles (FOV) is made up of four vehicle configurations with unique unit prices as well as trailers and add-on kits, which are procured at lower densities relative to total vehicle quantities. The unit of measure for JLTV APUC and PAUC calculations is one JLTV. Adjustments to configuration mix or increased densities of add-on kits relative to vehicle quantities could also result in program unit cost increases. There is also cost risk associated with the length of the JLTV procurement program; production is planned through the year 2053. Due to the length of the production program and the difficulties in accurately forecasting future inflation increases, there is the potential for increased TY cost if inflation increases at a rate greater than projected in the OSD inflation rates.</p>
Current Baseline Risks (11/19/2019)	
<p>The JLTV Joint Cost Position (JCP), approved on September 5, 2019 by the Army Acquisition Executive, was used to establish the FRP APB signed on November 19, 2019. The JCP cost model is a cost-risk adjusted model and reflects a 50% Confidence Level in accordance with Army Cost Guidance, Army Regulation 11-18. The most significant cost drivers in the JLTV estimate are manufacturing costs for vehicles, trailers and add-on kits. Given the current and anticipated fiscal environment, there may be budgetary pressures on the program which lead to a reduction in JLTV annual procurement quantities. The JCP cost model projects increases to vehicle unit costs with quantity reductions. The first production contract unit pricing is known but future contract pricing is not known making it difficult to calculate the impact of changes in annual procurement quantity based on vehicle unit prices that a future vendor would propose. Additionally, the JLTV Family of Vehicles (FOV) is made up of four vehicle configurations with unique unit prices as well as trailers and add-on kits, which are procured at lower densities relative to total vehicle quantities. The unit of measure for JLTV APUC and PAUC calculations is one JLTV truck. Adjustments to configuration mix or increased densities of add-on kits relative to vehicle quantities could also result in program unit cost increases. There is also cost risk associated with the length of the JLTV procurement program; production is planned through the year 2035. Due to the length of the production program and the difficulties in accurately forecasting future inflation increases, there is the potential for increased TY cost if inflation increases at a rate greater than projected in the OSD inflation rates.</p>	
Original Baseline Risks (10/23/2012)	

The JLTV JCP, approved on July 12, 2012 by Assistant Secretary of the Army for Financial Management & Comptroller was used to establish the APB. The JCP cost model is a cost risk adjusted model and reflects a 50% Confidence Level in accordance with Army Cost Guidance, Army Regulation 11-18. The most significant cost drivers in the JLTV estimate are manufacturing costs for vehicles and add-on kits. Given the current and anticipated fiscal environment, there may be budgetary pressures on the program which may lead to a reduction in JLTV annual procurement quantities. The JCP cost model projects increases to vehicle unit costs with quantity reductions. However, prior to a production contract award, it is difficult to calculate the impact of changes in annual procurement quantity to the vehicle unit prices that a vendor would propose. Additionally, the JLTV FOV is made up of four vehicle configurations with unique unit prices and add-on kits, which are procured at lower densities relative to total vehicle quantities. The unit of measure for JLTV APUC and PAUC calculations is one JLTV. Adjustments to configuration mix or increased densities of add-on kit relative to vehicle quantities could also result in program unit cost increases. There is also cost risk associated with the length of the JLTV procurement program; production is planned through the year 2040. Due to the length of the production program and the difficulties in accurately forecasting future inflation increases, there is the potential for increased TY cost if inflation increases at a rate greater than projected in the OSD inflation rates.

(U) Unit Costs**(U) Current Estimate Compared with Current Baseline**

Category (CY\$M) Base Year: 2015	Current Baseline 11/19/2019	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	24,343.5	24,165.5	
Program Quantity	64,621	61,746	
PAUC	0.377	0.391	3.81%
Average Procurement Unit Cost			
Procurement Cost	23,267.8	22,838.0	
Procurement Quantity	64,489	61,599	
APUC	0.361	0.371	2.70%

(U) Current Estimate Compared with Original Baseline

Category (CY\$M) Base Year: 2012	Original Baseline 10/23/2012	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	22,780.2	23,200.2	
Program Quantity	54,730	61,746	
PAUC	0.416	0.376	-9.62%
Average Procurement Unit Cost			
Procurement Cost	21,782.0	21,925.9	
Procurement Quantity	54,599	61,599	
APUC	0.399	0.356	-10.78%

The Current Estimate's constant-year dollars have been converted from Base Year 2015 to Base Year 2012 using the National Defense Budget Estimates for FY 2015 (Green Book).

(U) Cost Growth Details

Actions taken or Proposed to Control Future Cost Growth

Status of Each Major Contract and Significant Factors Contributing to Cost and Schedule Variance; Projected Effects on Future Program Costs

See Contracts section.

Notes

- The PB 2025 APUC (\$0.371) decreased by 1.3% compared to the APUC reported in the 2022 SAR (\$0.376)

(U) Life-Cycle Costs

(U) Operating and Support and Disposal Cost Estimates Compared with Baseline

Category (\$M) Base Year: 2015	APB Change 1 (Current) 11/19/2019 CY\$ obs Objective / Threshold		Current Estimate CY\$ obs / TY\$ obs	
	Total O&S	30,271.3	33,298.4	26,506.2
Total Disposal	-	-	227.4	514.0

(U) Current Cost Estimate Sources

Operating and Support Cost

Type: Program Office Estimate

Approved by: PEO, December 31, 2023

Note: The Joint Cost Position, approved by the Deputy Assistant Secretary of the Army (Cost & Economics) on May 31, 2019, was used as a basis for the FRP APB which was signed by the Army Acquisition Executive on November 19, 2019.

Disposal/Demilitarization Cost

Type: Program Office Estimate

Approved by: PEO, December 31, 2023

Note:

Operating and Support Baseline Deviation Explanation

None

Cost Notes

- A Joint Cost Position (JCP) was completed for the program during the 2019 SAR reporting period. The JCP was used as a basis for the FRP APB which was signed by the Army Acquisition Executive on November 19, 2019.
- Based on the latest OSD O&S Guide dated September 2020, Indirect Support costs are no longer considered as part of the O&S Cost Element Structure and have been removed from the current Total O&S estimate.

(U) Operating and Support Variance with Prior Estimate

(CY\$M) Base Year: 2015	Estimate	
Prior Estimate (12/31/2022)	27,329.2	
Current Estimate	26,506.2	
Category	Variance	Explanation

(CY\$M) Base Year: 2015	Estimate	
Unit-Level Manpower	0.4	No change to methodology.
Unit Operations	-5.8	The United States Marine Corps (USMC) updated Outside Continental United States (OCONUS) Fielding Schedule for Second Destination Transportation (SDT). OCONUS percentage decreased from 16.6% to 12.3%.
Maintenance	48.0	USMC updated the Configuration Mix which resulted in more GPs and less HGCs and UTLs. GPs had a higher Operations Tempo (OPTEMPO) which caused the CONS & REPS cost to increase.
Sustaining Support	-806.6	Removed Indirect Costs that were still being captured under 4.0 in the previous Cost Element Structure.
Continuing System Improvements	-59.0	Hardware Modifications are calculated using a factor multiplied by the Average Unit Manufacturing Cost (AUMC). AUMC decreased with addition of AM General contract prices.
Other	-	
Not Categorized	0.0	

(U) Operating and Support Cost Element Structure Estimates by Acquired System

(CY\$M) Base Year: 2015							
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
JLTV	8,620.6	2,791.2	12,342.1	1,105.0	1,647.3	-	26,506.2
Program	8,620.6	2,791.2	12,342.1	1,105.0	1,647.3	-	26,506.2

(U) Annual Operating and Support Costs per Unit Compared with Antecedent System

(CY\$M) Base Year: 2015							
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
JLTV	7.0	2.3	10.0	0.9	1.3	-	21.5
HMMWV (Antecedent)	8.9	0.7	9.0	2.6	0.6	-	21.8

(U) Operating and Support Cost Estimate Assumptions

System	Quantity to Sustain	Unit Expected Service Life (Years)	Unit of Measure	Fiscal Years Operational
JLTV	61,599	20.0	Vehicle	2019 - 2073
HMMWV (Antecedent)	107,251	20.0	Vehicle	2007 - 2050

Additional O&S Estimate Assumptions

- The Sustainment Strategy reflects peacetime Operational Tempo (OPTEMPO) as identified by sub-configuration by the Army and in JLTV Operation Mode Summary & Mission Profile for the USMC. Reduced OPTEMPO is used for Army training, Army Prepositioned Stocks and inactive USMC units.
- Interim Contractor Support began in FY 2019 for Army and USMC fielding and did not exceed three years; sustainment transitioned to organic maintenance support with regional FSR support in FY 2021. USMC Supply Support is required from IOC until fielding is complete. The Army and USMC maintenance concept is two levels of maintenance: Field and Sustainment.
- The JLTV will incur a condition-based overhaul, starting at ten years. Of the operational vehicles that are older than ten years, 2.4 percent per year will undergo condition-based overhaul.

Antecedent Estimate Assumptions

- The Antecedent System is the High Mobility Multipurpose Wheeled Vehicle (HMMWV). Total and annual per vehicle O&S costs for HMMWV are based on the approved Operations & Sustainment Independent Cost Estimate (ICE) dated July 17, 2019. The ICE includes costs for the 6 primary HMMWV variants: M1151A1, M1152A2, M1165A1, M1167, M1097R1, and M997A3 and includes actual costs as available.
- *15-20+ year Economic Useful Life mix based on vehicle variant and realistic fleet plan analysis.

O&S Annual Cost Calculation Memo

Unitized O&S Cost = Total O&S Costs / Total Operational Vehicle Years where Total Operational Vehicle Years = Total Operating Vehicles x Economic Useful Life

- Total O&S Costs: \$26,506.2M (BY\$ 2015)
- Total Operational Vehicle Years: 1,231,980
- Total Operating Vehicles: 61,599
- Economic Useful Life: 20 Years

(U) Technologies and Systems Engineering

(U) Current Significant Technical Risks and Risks Identified at Milestones/Decisions

Event	Date	Description
Current	12/31/2023	Requirements Creep: If new requirements continue to be generated post FRP, they will require new STS Work Directives that yield new ECPs and additional funding will be necessary, which could drive a potential cost breach to Program Acquisition Unit Cost (PAUC) and Average Procurement Unit Cost (APUC).
Current	12/31/2023	Organic Maintenance and Parts Support: If the Army, organically, is unable to maintain and support the JLTV platform after ICS drawdown is complete, then units cannot maintain operational readiness.
MS C	8/31/2015	If the Cab / Armor design cannot defeat KPP Kinetic Energy and Underbody threats, then JLTV will not receive Full Material Release and may not receive a FRP decision.
MS C	8/31/2015	If the system design cannot meet the Rating Cone Index and Sand Slope requirements, then JLTV will not receive Full Materiel Release and may not receive FRP decision.
MS C	8/31/2015	If the system design cannot be certified for transportability, then JLTV will not receive Full Materiel Release and may not receive FRP decision.
MS B	8/31/2012	If the JLTV Family of Vehicles does not meet the Mean Miles Between Operational Mission Failure and Mean Miles Between Hardware Mission Failure requirements, then the Key System Attributes will not be achieved. Risk mitigated by including design for Reliability/Maintainability language into the EMD contract and Purchase Description. All EMD repair actions were captured during shakedown and test. Data was analyzed and Materiel Reliability/Mean Time to Repair was predicted and reviewed at Scoring Conferences. Corrective Action Periods (CAP) were successfully executed which allowed the EMD vendors to implement corrective actions on subsystems/components which reduced maintenance requirements and decreased failure rates.
MS B	8/31/2012	If contractors do not make efficient use of time provided for Government Furnished Equipment (GFE) integration or delays occur in procurement of long lead items, then integration of GFE Hardware and Software may be unsuccessful in EMD. Risk mitigated by quickly obtaining a signed ADM with immediate follow-on buys of Phase I long lead GFE. Joint Project Office JLTV effectively collaborated with GFE PMs and Original Equipment Manufacturers to acquire Interface Control Documents and temporary loans which helped ensure the GFE was delivered on time to the vendors at contract award.

(U) Performing Activities and Contracts

(U) External Government Activities

None

(U) Contracts and Efforts

Contract Title	Contract Number / Effort	Contractor	Phase
Follow-on Production Contract	W56HZV-23-D-0008	AM General LLC	Production
LRIP & FRP contract	W56HZV-15-C-0095	Oshkosh Defense LLC	Production

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number: W56HZV-23-D-0008 **Order Number:** -

Contract Title: Follow-on Production Contract **Strategy:** FAR 16.5: Indefinite Delivery Definite Quantity

CAGE: 0H3G6 - AM General LLC **Contracting Office:** Army Contracting Command – Detroit Arsenal

City, State/Province: South Bend, IN

Effort Number: - **Supported Phase:** Production

Type: Multiple Types **Award Date:** February 9, 2023

Latest Modification Date: January 31, 2024 **Definitization Date:** -

Latest Modification No.: P00003 **Work Start Date:** February 9, 2023

Technical Data Rights: Government Purpose License Rights

Notes:

- Firm Fixed Price: 94%, Cost Plus Fixed Fee: 6%
 - The CDRL includes CSDRs.
 - Total Contract Value is \$8.66B. It is a Base 5-year Requirements Contract with 5 option years for an estimated Joint and Foreign Military Sales production of up to 20,682 JLTV A2's; 9,883 JLTV Trailers and 174,000 Kits.
 - Base Award includes 502 JLTV A2's and 702 JLTV-Trailers (\$221.2M and Task order of \$9.7M)

Current Contract Vehicle Qtys:

- Army: 1,360
- USMC: 796
- PM Titan: 2

Grand Total 2,158

- Total quantity includes RDT&E and Procurement funded vehicles.

Initial Price (TY\$M) Target / Ceiling	Current Price (TY\$M) Target / Ceiling	Estimate at Completion (TY\$M) Contractor / PM	Initial Quantity	Current Quantity	Delivered Quantity
230.9 -	461.2 -	572.7 572.7	502	2,158	-

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	W56HZV-15-C-0095	Order Number:	-
Contract Title:	LRIP & FRP contract	Strategy:	FAR 16.5: Indefinite Delivery Definite Quantity
CAGE:	75Q65 - Oshkosh Defense LLC	Contracting Office:	Army Contracting Command - Detroit Arsenal
City, State/Province:	Oshkosh, WI		
Effort Number:	-	Supported Phase:	Production
Type:	Multiple Types	Award Date:	August 26, 2015
Latest Modification Date:	March 14, 2024	Definitization Date:	December 16, 2015
Latest Modification No.:	P01165	Work Start Date:	August 26, 2015
Technical Data Rights:	Government Purpose License Rights		

- Notes:**
- Firm Fixed Price: 95%, Cost Plus Fixed Fee: 5%
 - The CDRL includes Cost and Software Data Reporting (CSDR).
 - This contract is comprised of a basic performance period plus eight option periods. Services are Cost Plus and Hardware is Firm Fixed Price.

Current Contract Vehicle Qty's:

- Army: 17,592
- Army (Consideration): 5
- USMC: 6,889
- Air Force: 858
- Army Reserve: 60
- Navy: 106
- Department of State: 2
- MEDCOM: 1
- USAF-USMC/AF: 5
- USA-CPI2: 2
- USMC-FIRES: 2
- PM TITAN: 14
- FMS: 1,195

Grand Total 26,731

- The Milestone Decision Authority (MDA) granted an Earned Value Management (EVM) waiver for the services performed under the cost-plus portions of the current production contract valued at over \$20M. This waiver was requested as the current contract is comprised of mostly firm-fixed-priced (FFP) hardware items, and the cost-plus services are level of effort and not appropriate for EVM. A subsequent waiver will be requested for each follow-on production contract.
- Total quantity includes RDT&E and Procurement funded vehicles.
- Delivered Quantity below includes Army, USMC, FMS and sister services.

Initial Price (TY\$M) Target / Ceiling		Current Price (TY\$M) Target / Ceiling		Estimate at Completion (TY\$M) Contractor / PM		Initial Quantity	Current Quantity	Delivered Quantity
114.7	-	8,237.3	-	8,237.3	8,237.3	201	26,731	21,824

(U) Production**(U) Low-Rate Initial Production**

	Original LRIP Determination	Current LRIP Determination
Total LRIP Quantity	3,100	11,087
Date	8/20/2012	11/20/2018
Reference	Milestone B ADM	ADM for LRIP Quantity Increase
LRIP Period	FY 2015 - 2017	FY 2015 - 2017
Total Procurement Quantity	54,599	61,599
LRIP Percentage of Total	5.7%	18.0%

Rationale if LRIP Quantity Exceeds 10% of Total Procurement Quantity (Current Determination)

The Current Total LRIP Quantity is more than 10% of the total production quantity of 61,599. The LRIP increase from the previously approved LRIP Quantity of 4,990 vehicles to 11,087 vehicles permitted an orderly increase in the production rate for the system which was sufficient to lead to FRP.

LRIP Notes

None

(U) Deliveries and Expenditures**(U) Acquisition Funding**

	Total Estimate	Actual to Date	Actual, Percent Complete
Years Appropriated	48	17	35.4%
Appropriations (TY, \$M)	37,118.6	10,763.9	29.0%
Expenditures (TY, \$M)	37,118.6	8,710.0	23.5%

(U) End Items Delivered

	Total Required	Planned to Date	Actual to Date	Actual, Percent Complete
Development	147			
JLTV		132	132	
Procurement	61,599			
JLTV		21,689	20,295	
Total	61,746	21,821	20,427	33.1%

Notes

- Above data is through March 31, 2024. Development Quantity above includes 90 RDT&E prototype vehicles purchased during the Technology Development and EMD phase.

(U) International Program Aspects

General Memo

- The Joint Program Office JLTV Foreign Military Sales (FMS) program continues to execute case development, production, fielding, and logistics support for FMS Partner Nations without experiencing any major acquisition issues.
- The only design for international exportability currently is the Commander's Smart Display Unit (CSDU). The CSDU configuration is desired/planned to be maintained for foreign customers for the foreseeable future, despite the U.S. configuration moving to the Mounted Family of Computer Systems (MFoCS) configuration.

Exportability and Business Issues

- Non-recurring engineering efforts funded by FMS and Direct Commercial Sales customers creates operational opportunities for U.S. and partners. While these new capabilities may not be integrated directly, they establish a more sound technical base to initiate a similar modification at a more affordable cost, assuming the desired capability is approved by the U.S military. Additional JLTV procurements from FMS customers also increases quantities within ordering periods from the Original Equipment Manufacturer. This can push orders into higher range pricing levels and create unit cost savings for JLTV customers.

Is design for international exportability planned? Yes Industry/Partner Exportability Cost-Sharing? No

Program Protection: Technology Security and Foreign Disclosure Issues

- Prior to an implemented foreign program, there are two basic Technology Security and Foreign Disclosure (TSFD) security requirements - access and protection. This process helps avoid export control and International Traffic in Arms Regulations (ITAR) control issues/impacts when dealing with foreign partner programs or leveraging industry and government capabilities. If issues exist it would be based on the assessment and protection of critical data, information, etc. For the JLTV Program, a horizontal protection analysis is conducted as part of its International Sales Program.

(U) Agreements

Activity Date	Type	Agreement Number	International Partner(s)	Quantity	Funding (TY\$M)
11/9/2023	FMS LOA	IS-B-ZZT	Israel (IS)	75	33.0
7/26/2023	FMS LOA	MG-B-UBA	Mongolia (MG)	20	9.6
7/20/2023	FMS LOA	LO-B-UDI	Slovak Republic (LO)	160	189.9
9/14/2022	FMS LOA	S3-B-UBW	Slovenia (S3)	47	50.0
8/30/2022	FMS LOA	NV-B-VUU	Slovenia (S3)	7	6.0
9/10/2021	FMS LOA	S3-B-UWG	Slovenia (S3)	37	38.9

12/15/2020	FMS LOA	RO-B-UFL	Romania (RO)	34	42.3
10/5/2020	FMS LOA	BR-B-UAA	Brazil (BR)	12	15.2
12/12/2019	FMS LOA	MK-B-UCC	Republic of North Macedonia (MK)	71	78.5
11/13/2019	FMS LOA	LH-B-UDG	Lithuania (LH)	500	258.5
9/27/2019	FMS LOA	MJ-B_UAW	Republic of Montenegro (MJ)	65	36.4
11/12/2018	FMS LOA	S3-B-UBT	Slovenia (S3)	38	30.0
2/6/2017	FMS LOA	DE-B-VLI	Denmark (DE)	-	0.4
12/27/2016	FMS LOA	UK-B-WSZ	United Kingdom (UK)	-	20.0
9/28/2014	FMS LOA	UK-B-WTH	United Kingdom (UK)	-	0.7

(U) Agreement Information

Partner(s): Israel (IS) **Activity Date:** 11/9/2023
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** IS-B-ZZT
Notes: Provides for 75 General Purpose JLTV's, associated kits, spares parts, and technical support.

Israel (IS)		
Fiscal Year	Funding (TY\$M)	Quantity
2024	33.0	75
Total	33.0	75

(U) Agreement Information

Partner(s): Mongolia (MG) **Activity Date:** 7/26/2023
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** MG-B-UBA
Notes: Provides for 20 Heavy Gun Carrier JLTV's and associated kits.

Mongolia (MG)		
Fiscal Year	Funding (TY\$M)	Quantity
2025	9.6	20
Total	9.6	20

(U) Agreement Information

Partner(s): Slovak Republic (LO) **Activity Date:** 7/20/2023
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** LO-B-UDI
Notes: Provides for 160 Heavy Gun Carrier JLTV's, associated kits, spares parts, technical publications, other support equipment.

Slovak Republic (LO)		
Fiscal Year	Funding (TY\$M)	Quantity
2025	189.9	160
Total	189.9	160

(U) Agreement Information

Partner(s): Slovenia (S3) **Activity Date:** 9/14/2022
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** S3-B-UBW

Notes: Provides for 47 Heavy Gun Carrier JLTV's, Common Remote Weapons Station (CROWS), and associated support equipment and services.

Slovenia (S3)		
Fiscal Year	Funding (TY\$M)	Quantity
2024	50.0	23
2025	-	24
Total	50.0	47

(U) Agreement Information

Partner(s): Slovenia (S3) **Activity Date:** 8/30/2022
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** NV-B-VUU
Notes: Provides for 7 Heavy Gun Carrier JLTV's, Common Remote Weapons Station (CROWS), and associated support equipment and services.

Slovenia (S3)		
Fiscal Year	Funding (TY\$M)	Quantity
2024	6.0	7
Total	6.0	7

(U) Agreement Information

Partner(s): Slovenia (S3) **Activity Date:** 9/10/2021
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** S3-B-UWG
Notes: Provides for 36 Heavy Guns Carrier (HGC) and 1 General Purpose JLTV, associated kits, support equipment, instruments and lab equipment, spare parts, technical publications, total package fielding, installation support and government technical assistance.

Slovenia (S3)		
Fiscal Year	Funding (TY\$M)	Quantity
2021	38.9	-
2022	-	-
2023	-	19
2024	-	18
Total	38.9	37

(U) Agreement Information

Partner(s): Romania (RO) **Activity Date:** 12/15/2020
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** RO-B-UFL
Notes: Provides for 34 Heavy Guns Carrier JLTVs, spares, support equipment and services.

Romania (RO)		
Fiscal Year	Funding (TY\$M)	Quantity
2021	42.3	-
2022	-	-
2023	-	34
Total	42.3	34

(U) Agreement Information

Partner(s): Brazil (BR) **Activity Date:** 10/5/2020
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** BR-B-UAA
Notes: Provides for 12 Heavy Gun Carrier JLTV's and associated kits, support equipment, spares, training, manuals and technical assistance.

Brazil (BR)		
Fiscal Year	Funding (TY\$M)	Quantity
2021	1.0	-
2022	4.1	4
2023	3.7	2
2024	3.5	2
2025	1.7	2
2026	1.2	2
Total	15.2	12

(U) Agreement Information

Partner(s): Republic of North Macedonia (MK) **Activity Date:** 12/12/2019
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** MK-B-UCC
Notes: Provides for 48 Heavy Guns Carrier JLTVs, 6 Close Combat Weapons Carrier JLTVs, 17 General Purpose JLTVs, associated equipment, spare parts and technical assistance.

Republic of North Macedonia (MK)		
Fiscal Year	Funding (TY\$M)	Quantity
2023	78.5	6
2024	-	65
Total	78.5	71

(U) Agreement Information

Partner(s): Lithuania (LH) **Activity Date:** 11/13/2019
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** LH-B-UDG
Notes: Provides for 500 Heavy Guns Carrier JLTVs and associated kits.
 LOA was amended on 10/12/2022 to add 300 additional Heavy Guns Carrier JLTVs and associated kits and support.

Lithuania (LH)		
Fiscal Year	Funding (TY\$M)	Quantity
2020	66.0	-
2021	6.6	50
2022	50.6	50
2023	135.3	50
2024	-	50
2025	-	300
Total	258.5	500

(U) Agreement Information

Partner(s): Republic of Montenegro (MJ) **Activity Date:** 9/27/2019
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** MJ-B_UAW
Notes: Provides for 55 Heavy Guns Carrier JLTVs, 4 Utility JLTVs, 2 General Purpose JLTVs, 4 Close Combat Weapons Carrier JLTVs, 4 JLTV Trailers and associated kits.
 On May 08, 2020, LOA: MJ-B-UAW was amended and formally accepted by the Republic of Montenegro which adjusts vehicle quantities and adds vehicle spare parts, instruments and lab equipment, and technical assistance.

Republic of Montenegro (MJ)		
Fiscal Year	Funding (TY\$M)	Quantity
2020	36.4	20
2021	-	12
2022	-	25
2023	-	8
Total	36.4	65

(U) Agreement Information

Partner(s): Slovenia (S3) **Activity Date:** 11/12/2018
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** S3-B-UBT
Notes: Provides for 38 Heavy Guns Carrier (HGC) JLTVs, associated kits, integration and support.

Slovenia (S3)		
Fiscal Year	Funding (TY\$M)	Quantity
2019	30.0	-
2020	-	-
2021	-	5
2022	-	16
2023	-	17
Total	30.0	38

(U) Agreement Information

Partner(s): Denmark (DE) **Activity Date:** 2/6/2017
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** DE-B-VLI
Notes: Provides for System Technical Support Services.

Denmark (DE)		
Fiscal Year	Funding (TY\$M)	Quantity
2018	0.4	-
Total	0.4	-

(U) Agreement Information

Partner(s): United Kingdom (UK) **Activity Date:** 12/27/2016
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** UK-B-WSZ
Notes: On July 18, 2019, LOA UK-B-WSZ was amended and formally accepted by the UK for the procurement of technical assistance for the UK JLTV. The amendment added funds for the following:

- Contractor Support Services for integration services;
- Travel, labor, logistics and meeting support for the JPO JLTV;
- Travel and meeting support for Security Assistance Management Directorate (SAMD);
- Undefined requirements per the customer's request.

The period of performance was also revised to end in December 2022.

United Kingdom (UK)		
Fiscal Year	Funding (TY\$M)	Quantity
2017	-	-
2018	1.1	-
2019	0.5	-
2020	4.1	-
2021	9.8	-
2022	4.5	-
Total	20.0	-

(U) Agreement Information

Partner(s): United Kingdom (UK) **Activity Date:** 9/28/2014
Type: Foreign Military Sales: Letter of Offer and Acceptance **Agreement Number:** UK-B-WTH
Notes: Provides for 1 General Purpose JLTV, 1 Utility JLTV, Commander Smart Display Units, associated kits, and Basic Issue Items for integration and logistics development.

United Kingdom (UK)		
Fiscal Year	Funding (TY\$M)	Quantity
2018	0.7	-
Total	0.7	-



Modernized Selected Acquisition Report Supplement

Joint Light Tactical Vehicle (JLTV)

FY 2025 President's Budget
Effective: December 31, 2023

UNCLASSIFIED

MSAR Supplement Sections

Program Description

Program Use of the Adaptive Acquisition Framework

Technologies and Systems Engineering

Funding Sources (Acquisition)

Funding Sources (Operating and Support)

Acquisition Estimate and Quantity Summary

Annual Acquisition Estimates by Appropriation Account

Acquired System Annual End-Item Quantities by Appropriation Account

Nuclear Costs

Operational Fielding Plan

O&S Independent Cost Estimate

Annual Operating and Support Estimates by Cost Element

Program Description

Full Name

Joint Light Tactical Vehicle

Short Name

JLTV

PNO

279

Lead Component

Army

AAF Pathway

MCA

Acquisition Type

MDAP

Acquired Systems

JLTV

Related Programs

Full Name	PNO	Pathway	Type	ACAT/ BCAT	Acquisition Status	Costs in SAR?	
						Acq	O&S

Program Use of the Adaptive Acquisition Framework

This acquisition is accomplished by a single program in the Major Capability Acquisition Pathway

Technologies and Systems Engineering

Joint Light Tactical Vehicle

Major Software Efforts

Title	Status	Fielding Date	Description
NONE			

Major Engineering Changes

Title	Original Need Date	Fielding Date	Description, Rationale and Program Impacts
NONE			

Funding Sources (Acquisition)

Acquisition Funding Notes

The Program received an additional \$163.8M for Hybrid Electric Vehicle (HEV) and \$15M for Tactical Vehicle Electrification Kit (TVEK) / Anti-Idle in RDT&E Funding in addition to \$245.7M in Procurement Funding under the Modification of In-Service Line for TVEK / Anti-Idle from the Office of the Secretary of Defense to fund Operational Energy Initiatives on JLTV.

Joint Light Tactical Vehicle

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
RDT&E	1319N	04	0603635M - Marine Corps Ground Combat/Support System	0603635M	3209 - Joint Light Tactical Vehicle	x	x
Note: Funding line used through FY 2012							
RDT&E	1319N	04	0605812M - Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	0605812M	3209 - Joint Light Tactical Vehicle		x
Note: Funding line FY 2013 - FY 2017							
RDT&E	1319N	05	0605813M - Joint Light Tactical Vehicle (JLTV) System Development & Demonstration	0605813M	3209 - Joint Light Tactical Vehicle		
Note: Funding line FY 2018 and beyond							
RDT&E	2040A	04	0603804A - Logistics and Engineer Equipment - Adv Dev	0603804A	L04 - Joint Light Tactical Vehicle (JlTv) - Ad	x	x
Note: Funding line used from FY 2008 - FY 2011							
RDT&E	2040A	05	0604804A - Logistics and Engineer Equipment - Eng Dev	0604804A	L50 - Joint Light Tactical Vehicles (JLTV) - SDD	x	x
Note: Funding line used FY 2012							
RDT&E	2040A	05	0605812A - Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Phase (EMD)	0605812A	VU9 - Joint Light Tactical Vehicle		
Note: Funding line FY 2013 and beyond							
Procurement	1109N	05	5095 - Joint Light Tactical Vehicle	0206211M	-		
Note: Funding starts FY 2015							
Procurement	2035A	01	8992DA0924 - Modification Of In Svc Equip	0216300A	-	x	
Note: Funding for JLTV starts in FY 2022							
Procurement	2035A	01	5600D15603 - JOINT LIGHT TACTICAL VEHICLE	0216300A	-	x	x
Note: Funding starts FY 2015 and ends in FY 2020							
Procurement	2035A	01	5731D15610 - JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL	0216300A	-		
Note: This budget line is a continuation of an existing effort where prior year funds through FY 2020 are reflected under the previous budget line D15603. Funding line FY 2021 and beyond							
O&M	2020A	04	435 - Other Service Support	0702806A	-	x	
Note: Funding line FY 2019 and beyond							

Funding Sources (Operating and Support)

Note: Budget lines fund activities executed by the Program Office or Sustainment Office.

Operating and Support Funding Notes

No Data for 2023 SAR

Joint Light Tactical Vehicle

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
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Acquisition Estimate and Quantity Summary

Joint Light Tactical Vehicle

Acquisition Estimates

Category	PB 2025	TY (\$M)	Current Base Year	Original Base Year	Report Fiscal Year
			CY2015 (\$M)	CY2012 (\$M)	CY2024 (\$M)
RDT&E		1,226.5	1,109.8	1,065.5	1,425.2
Procurement		35,546.4	22,838.0	21,925.9	29,328.4
MILCON		-	-	-	-
O&M		345.7	217.6	208.9	279.4
Total Acquisition		37,118.6	24,165.3	23,200.2	31,032.9
PAUC		0.601	0.391	0.376	0.503
APUC		0.577	0.371	0.356	0.476

Acquisition End-Item Quantities

System	PB 2025	Development	Procurement
JLTV		147	61,599
Total		147	61,599

Unit Description

For the JLTV program the unit of measure for APUC and PAUC calculations is one vehicle.

Current and Future Years Defense Program Summary, TY(\$M)

Appropriation	Prior	2024	2025	2026	2027	2028	2029	To Complete	Total
RDT&E	852.2	2.6	37.8	51.4	46.3	45.0	45.4	145.8	1,226.5
Procurement	9,071.4	771.0	1,021.3	797.8	1,162.1	1,195.0	1,197.1	20,330.6	35,546.4
MILCON	-	-	-	-	-	-	-	-	-
O&M	54.7	11.9	12.2	11.6	11.7	11.7	12.0	220.0	345.7
PB 2025 Total	9,978.4	785.5	1,071.3	860.8	1,220.1	1,251.6	1,254.5	20,696.3	37,118.6

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2040A - Research, Development, Test & Eval, Army					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
Total		847.8	847.8	-	732.0
2008		105.240	105.2	0.915564	114.9
2009		20.541	20.5	0.927265	22.2
2010		26.329	26.3	0.941292	28.0
2011		33.358	33.4	0.959798	34.8
2012		84.484	84.5	0.974919	86.7
2013		59.205	59.2	0.991496	59.7
2014		81.388	81.4	1.010597	80.5
2015		28.268	28.3	1.027565	27.5
2016		21.639	21.6	1.038482	20.8
2017		11.086	11.1	1.060586	10.5
2018		13.806	13.8	1.079779	12.8
2019		-	-	1.097525	-
2020		7.119	7.1	1.133010	6.3
2021		1.500	1.5	1.180679	1.3
2022		2.470	2.5	1.235132	2.0
2023		9.033	9.0	1.283988	7.0
2024		-	-	1.314400	-
2025		27.013	27.0	1.342507	20.1
2026		43.272	43.3	1.370699	31.6
2027		43.537	43.5	1.399484	31.1
2028		42.589	42.6	1.428873	29.8
2029		43.014	43.0	1.458880	29.5
2030		2.310	2.3	1.489516	1.6
2031		4.290	4.3	1.520796	2.8
2032		2.409	2.4	1.552733	1.6
2033		6.172	6.2	1.585340	3.9
2034		7.038	7.0	1.618632	4.3
2035		5.128	5.1	1.652623	3.1
2036		5.236	5.2	1.687328	3.1
2037		5.346	5.3	1.722762	3.1
2038		6.476	6.5	1.758940	3.7
2039		7.096	7.1	1.795878	4.0
2040		5.690	5.7	1.833592	3.1
2041		5.809	5.8	1.872097	3.1
2042		5.931	5.9	1.911411	3.1
2043		7.597	7.6	1.951551	3.9
2044		8.573	8.6	1.992533	4.3

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2040A - Research, Development, Test & Eval, Army					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
2045		6.313	6.3	2.034376	3.1
2046		6.446	6.4	2.077098	3.1
2047		6.581	6.6	2.120717	3.1
2048		7.972	8.0	2.165252	3.7
2049		8.634	8.6	2.210723	3.9
2050		7.004	7.0	2.257148	3.1
2051		7.151	7.2	2.304548	3.1
2052		7.143	7.1	2.352944	3.0
2053		0.597	0.6	2.402355	0.2

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

1319N - Research, Development, Test & Eval, Navy					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
Total		378.7	378.7	-	377.8
2008		38.728	38.7	0.913307	42.4
2009		40.662	40.7	0.925034	44.0
2010		47.846	47.8	0.938909	51.0
2011		18.311	18.3	0.961328	19.0
2012		45.138	45.1	0.977271	46.2
2013		35.546	35.5	0.987533	36.0
2014		52.943	52.9	1.001487	52.9
2015		7.226	7.2	1.014088	7.1
2016		24.790	24.8	1.032910	24.0
2017		7.447	7.4	1.052236	7.1
2018		18.906	18.9	1.078010	17.5
2019		-	-	1.098772	-
2020		2.105	2.1	1.139178	1.8
2021		2.490	2.5	1.190378	2.1
2022		1.921	1.9	1.252566	1.5
2023		2.713	2.7	1.289855	2.1
2024		2.609	2.6	1.319300	2.0
2025		10.748	10.7	1.347286	8.0
2026		8.132	8.1	1.375579	5.9
2027		2.810	2.8	1.404466	2.0
2028		2.368	2.4	1.433960	1.7
2029		2.418	2.4	1.464073	1.7
2030		2.349	2.3	1.494818	1.6
2031		0.436	0.4	1.526210	0.3
2032		0.053	0.1	1.558260	0.0

Annual Acquisition Estimates by Appropriation Account (Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2035A - Other Procurement, Army									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
Total	23,465.0	-	3,964.6	160.7	-	2,009.6	29,599.8	-	18,307.9
2008							-	0.918183	-
2009							-	0.930362	-
2010							-	0.947419	-
2011							-	0.964350	-
2012							-	0.979059	-
2013							-	0.998668	-
2014							-	1.015187	-
2015	127.876		24.626	-		12.113	164.6	1.030004	159.8
2016	181.851		54.472	-		4.688	241.0	1.044504	230.7
2017	520.461		65.953	-		1.100	587.5	1.067205	550.5
2018	696.894		40.204	21.316		48.987	807.4	1.089274	741.2
2019	1,104.860		62.008	12.976		82.335	1,262.2	1.115851	1,131.1
2020	814.199		60.319	1.359		96.530	972.4	1.159783	838.4
2021	749.403		66.936	16.562		51.055	884.0	1.216994	726.3
2022	464.532		58.650	10.035		48.535	581.8	1.266342	459.4
2023	712.197		72.474	6.519		95.674	886.9	1.301496	681.4
2024	417.811		93.090	2.068		36.421	549.4	1.330622	412.9
2025	528.295		87.144	2.201		63.148	680.8	1.358786	501.0
2026	467.244		83.807	2.018		76.202	629.3	1.387320	453.6
2027	479.305		84.707	2.092		96.466	662.6	1.416454	467.8
2028	500.241		85.483	2.149		97.635	685.5	1.446199	474.0
2029	468.285		88.580	23.216		96.895	677.0	1.476570	458.5
2030	512.986		89.099	2.088		37.945	642.1	1.507578	425.9
2031	524.675		89.240	2.137		38.997	655.0	1.539237	425.6
2032	534.489		91.609	2.179		39.997	668.3	1.571561	425.2
2033	522.768		118.024	1.982		37.753	680.5	1.604563	424.1
2034	517.994		136.537	1.958		37.595	694.1	1.638259	423.7
2035	554.500		111.947	2.095		39.832	708.4	1.672663	423.5
2036	566.142		113.496	2.139		40.668	722.4	1.707789	423.0
2037	577.454		115.873	2.182		41.494	737.0	1.743652	422.7
2038	590.681		116.137	2.232		42.421	751.5	1.780269	422.1
2039	602.665		118.571	2.277		43.272	766.8	1.817655	421.9
2040	614.617		121.053	2.321		44.132	782.1	1.855825	421.4
2041	626.933		123.589	2.367		45.029	797.9	1.894798	421.1
2042	641.237		124.265	2.424		46.066	814.0	1.934588	420.8
2043	654.108		126.419	2.472		47.000	830.0	1.975215	420.2
2044	646.017		150.657	2.441		46.728	845.8	2.016694	419.4

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2035A - Other Procurement, Army									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
2045	679.514		132.724	2.548		48.605	863.4	2.059045	419.3
2046	693.656		134.523	2.648		50.188	881.0	2.102285	419.1
2047	711.642		133.629	2.707		51.310	899.3	2.146433	419.0
2048	725.249		136.419	2.758		52.317	916.7	2.191508	418.3
2049	739.705		139.276	2.814		53.371	935.2	2.237530	417.9
2050	754.628		142.194	2.870		54.456	954.1	2.284518	417.7
2051	769.314		145.167	2.925		55.519	972.9	2.332493	417.1
2052	784.848		148.208	2.983		56.622	992.7	2.381475	416.8
2053	685.684		42.233	2.638		49.680	780.2	2.431486	320.9
2054	-		19.105	-		0.387	19.5	2.482547	7.9
2055	-		16.122	-		0.395	16.5	2.534681	6.5

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

1109N - Procurement, Marine Corps									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
Total	4,695.7	-	486.2	45.2	-	719.5	5,946.6	-	4,530.1
2008							-	0.922550	-
2009							-	0.935064	-
2010							-	0.956527	-
2011							-	0.968272	-
2012							-	0.983652	-
2013							-	0.996427	-
2014							-	1.009498	-
2015	2.181		4.244	-		1.000	7.4	1.024835	7.2
2016	42.763		15.815	-		-	58.6	1.043933	56.1
2017	70.358		32.624	-		1.224	104.2	1.065526	97.8
2018	189.004		22.766	16.442		22.118	250.3	1.087537	230.2
2019	526.427		16.984	2.431		24.419	570.3	1.115650	511.1
2020	441.257		30.466	16.651		66.867	555.2	1.159425	478.9
2021	289.030		30.617	-		49.028	368.7	1.217046	302.9
2022	276.697		18.228	-		37.357	332.3	1.270272	261.6
2023	361.066		19.901	-		55.741	436.7	1.304355	334.8
2024	129.948		45.521	-		46.188	221.7	1.333250	166.3
2025	258.742		30.804	3.956		47.041	340.5	1.361414	250.1
2026	90.845		29.604	0.043		48.033	168.5	1.390004	121.2
2027	417.485		30.374	0.432		51.219	499.5	1.419194	352.0
2028	414.671		30.048	0.441		64.300	509.5	1.448997	351.6
2029	429.851		32.161	0.439		57.718	520.2	1.479426	351.6
2030	440.317		31.561	4.325		54.379	530.6	1.510494	351.3
2031	315.050		32.282	-		51.094	398.4	1.542214	258.3
2032	-		32.207	-		41.811	74.0	1.574601	47.0

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2020A - Operation & Maintenance, Army					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
Total		345.7	345.7	-	217.6
2008			-	0.915351	-
2009			-	0.924658	-
2010			-	0.938127	-
2011			-	0.958504	-
2012			-	0.972204	-
2013			-	0.985630	-
2014			-	1.001181	-
2015			-	1.011183	-
2016			-	1.029278	-
2017			-	1.046611	-
2018			-	1.067591	-
2019		10.804	10.8	1.091880	9.9
2020		10.623	10.6	1.121782	9.5
2021		10.782	10.8	1.176655	9.2
2022		11.030	11.0	1.234945	8.9
2023		11.486	11.5	1.279413	9.0
2024		11.872	11.9	1.309606	9.1
2025		12.201	12.2	1.337571	9.1
2026		11.637	11.6	1.365660	8.5
2027		11.673	11.7	1.394339	8.4
2028		11.705	11.7	1.423620	8.2
2029		11.951	12.0	1.453516	8.2
2030		11.093	11.1	1.484040	7.5
2031		11.326	11.3	1.515205	7.5
2032		10.407	10.4	1.547024	6.7
2033		9.445	9.4	1.579512	6.0
2034		9.644	9.6	1.612681	6.0
2035		9.846	9.8	1.646548	6.0
2036		10.053	10.1	1.681125	6.0
2037		10.264	10.3	1.716429	6.0
2038		9.170	9.2	1.752474	5.2
2039		9.362	9.4	1.789276	5.2
2040		9.559	9.6	1.826850	5.2
2041		9.759	9.8	1.865214	5.2
2042		9.964	10.0	1.904384	5.2
2043		8.720	8.7	1.944376	4.5
2044		8.903	8.9	1.985208	4.5

Joint Light Tactical Vehicle

Source for TY\$-CY\$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

2020A - Operation & Maintenance, Army					
fiscal year		Other/ Unallocated	Total TY(\$M)	Weighted Rate	Total CY2015 (\$M)
2045		9.090	9.1	2.026897	4.5
2046		9.281	9.3	2.069462	4.5
2047		9.476	9.5	2.112921	4.5
2048		6.450	6.5	2.157292	3.0
2049		6.586	6.6	2.202595	3.0
2050		6.724	6.7	2.248850	3.0
2051		6.865	6.9	2.296075	3.0
2052		7.009	7.0	2.344293	3.0
2053		3.578	3.6	2.393523	1.5
2054		3.653	3.7	2.443787	1.5
2055		3.730	3.7	2.495107	1.5

Acquired System Annual End-Item Quantities by Appropriation Account
(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

2040A - Research, Development, Test & Eval, Army				
fiscal year	JLTV			Total
Total	70			70
Undistributed				-
2008	13			13
2009	-			-
2010	-			-
2011	-			-
2012	36			36
2013	-			-
2014	-			-
2015	8			8
2016	3			3
2017	-			-
2018	-			-
2019	-			-
2020	-			-
2021	-			-
2022	-			-
2023	1			1
2024	-			-
2025	-			-
2026	-			-
2027	-			-
2028	1			1
2029	-			-
2030	-			-
2031	-			-
2032	-			-
2033	2			2
2034	-			-
2035	-			-
2036	-			-
2037	-			-
2038	2			2
2039	-			-
2040	-			-
2041	-			-

Joint Light Tactical Vehicle

2040A - Research, Development, Test & Eval, Army				
fiscal year	JLTV			Total
2042	-			-
2043	2			2
2044	-			-
2045	-			-
2046	-			-
2047	-			-
2048	2			2

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

1319N - Research, Development, Test & Eval, Navy				
fiscal year	JLTV			Total
Total	77			77
Undistributed				-
2008	11			11
2009	-			-
2010	-			-
2011	-			-
2012	30			30
2013	-			-
2014	-			-
2015	7			7
2016	6			6
2017	-			-
2018	12			12
2019	-			-
2020	-			-
2021	-			-
2022	-			-
2023	1			1
2024	-			-
2025	-			-
2026	5			5
2027	4			4
2028	1			1

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

2035A - Other Procurement, Army				
fiscal year	JLTV			Total
Total	49,099			49,099
Undistributed				-
2008				-
2009				-
2010				-
2011				-
2012				-
2013				-
2014				-
2015	397			397
2016	592			592
2017	1,812			1,812
2018	2,251			2,251
2019	3,590			3,590
2020	2,346			2,346
2021	2,189			2,189
2022	1,184			1,184
2023	1,939			1,939
2024	1,048			1,048
2025	1,353			1,353
2026	1,220			1,220
2027	1,241			1,241
2028	1,274			1,274
2029	1,107			1,107
2030	1,165			1,165
2031	1,172			1,172
2032	1,175			1,175
2033	1,046			1,046
2034	1,012			1,012
2035	1,061			1,061
2036	1,061			1,061
2037	1,060			1,060
2038	1,062			1,062
2039	1,061			1,061
2040	1,059			1,059
2041	1,058			1,058

Joint Light Tactical Vehicle

2035A - Other Procurement, Army				
fiscal year	JLTV			Total
2042	1,061			1,061
2043	1,060			1,060
2044	1,025			1,025
2045	1,048			1,048
2046	1,067			1,067
2047	1,068			1,068
2048	1,066			1,066
2049	1,065			1,065
2050	1,064			1,064
2051	1,062			1,062
2052	1,061			1,061
2053	917			917

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

Joint Light Tactical Vehicle

1109N - Procurement, Marine Corps				
fiscal year	JLTV			Total
Total	12,500			12,500
Undistributed				-
2008				-
2009				-
2010				-
2011				-
2012				-
2013				-
2014				-
2015	6			6
2016	128			128
2017	212			212
2018	527			527
2019	1,642			1,642
2020	1,264			1,264
2021	752			752
2022	837			837
2023	1,051			1,051
2024	364			364
2025	674			674
2026	226			226
2027	1,020			1,020
2028	998			998
2029	1,020			1,020
2030	1,040			1,040
2031	739			739

Nuclear Costs

Joint Light Tactical Vehicle

Program's Use of Department of Energy Resources

None

Operational Fielding Plan

Joint Light Tactical Vehicle

System: JLTV

Fielding and Inventory Notes

This spreadsheet includes only Army JLTV trucks. FRAGO 10 includes Army fieldings through FY 2025. Assumption is that Army will align fielding to production numbers following JLTV A2 Materiel Release planned for 1Q FY2027. Starting inventory at the end of FY 2023 represents the number of JLTV trucks that have been fielded and those in the Care of Supplies in Storage (COSIS) lot. Assume to carry 200 A2's in COSIS each year to align to early fieldings the following FY. Yearly production assumes consistent funding post POM.

JLTV Fielding Plan and Inventory

fiscal year	Store	Field	Expend/Loss	Decommission	Inventory
2023					14,361
2024	(1,349)	2,369			15,381
2025	(525)	1,675			16,531
2026	(152)	1,262			17,641
2027	(938)	2,000			18,703
2028	-	1,241			19,944
2029	-	1,274			21,218

O&S Independent Cost Estimate

Joint Light Tactical Vehicle

Independent and Current Cost Estimate Comparison

Category	CY2015 (\$M)	Independent Cost Estimate	Current Estimate 12/31/2023	Variance with ICE (%)
Unit-Level Manpower			8,620.6	-
Unit Operations			2,791.2	-
Maintenance			12,342.1	-
Sustaining Support			1,105.0	-
Continued System Improvements			1,647.3	-
Other				-
Total O&S		-	26,506.2	-

Independent Cost Estimate Source

Event:

Type:

Approved by:

Note: An Independent Cost Estimate (ICE) was not done for FRP. ICE will be done at the Operational Sustainment Review, currently scheduled in May 2024.

Current Cost Estimate Source

Type: Program Office Estimate

Approved by: PEO, December 31, 2023

Cost Estimate Variance Explanation

Annual Operating and Support Estimates by Cost Element

Joint Light Tactical Vehicle

System: JLTV

Source for TY-CY Conversion:

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2015 (\$M)
Total	8,620.6	2,791.2	12,342.1	1,105.0	1,647.3	-	26,506.2
2015	0.038	-	-	2.221	-	-	2.3
2016	0.034	-	-	2.088	-	-	2.1
2017	0.034	-	-	2.148	-	-	2.2
2018	0.019	-	-	1.872	-	-	1.9
2019	18.825	7.252	14.610	5.048	-	-	45.7
2020	62.882	22.684	53.861	7.685	-	-	147.1
2021	100.738	31.447	94.890	10.686	-	-	237.8
2022	127.855	37.648	126.878	12.814	19.770	-	325.0
2023	148.355	41.372	146.247	13.842	22.604	-	372.4
2024	182.591	53.864	185.502	16.484	28.650	-	467.1
2025	199.128	56.516	209.578	18.138	32.471	-	515.8
2026	216.809	61.585	226.975	19.329	35.170	-	559.9
2027	225.638	62.731	238.782	20.128	37.116	-	584.4
2028	249.385	71.222	259.743	21.172	40.094	-	641.6
2029	272.807	76.315	283.033	22.220	43.097	-	697.5
2030	296.195	81.082	317.142	23.205	45.921	-	763.5
2031	320.221	86.229	351.084	24.147	48.868	-	830.6
2032	338.695	89.271	379.573	24.744	51.829	-	884.1
2033	343.554	88.739	396.213	33.655	53.433	-	915.6
2034	347.761	90.934	418.927	33.125	54.861	-	945.6
2035	351.834	93.097	435.760	32.847	55.897	-	969.4
2036	356.113	95.416	451.082	32.512	57.350	-	992.5
2037	360.399	97.711	464.351	35.828	59.640	-	1,017.9
2038	364.656	99.996	480.250	35.800	61.100	-	1,041.8
2039	350.111	99.147	479.804	35.136	60.785	-	1,025.0
2040	310.311	90.860	440.984	32.382	55.934	-	930.5
2041	276.696	82.914	402.991	29.825	51.226	-	843.7
2042	253.814	76.590	372.718	27.682	47.519	-	778.3
2043	237.552	74.334	337.694	26.860	46.147	-	722.6
2044	207.552	66.443	299.995	24.578	41.561	-	640.1
2045	195.092	62.443	280.402	23.297	39.151	-	600.4
2046	181.558	60.232	270.925	22.397	37.904	-	573.0
2047	177.197	59.606	268.090	22.084	31.232	-	558.2

System: JLTV

Source for TY-CY Conversion:

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2015 (\$M)
2048	157.549	56.719	256.672	21.507	31.016		523.5
2049	138.216	53.796	245.217	20.926	30.750		488.9
2050	118.912	51.195	234.858	20.430	30.689		456.1
2051	98.965	48.416	223.548	19.875	30.548		421.4
2052	84.561	46.343	215.124	17.197	30.394		393.6
2053	83.934	46.052	213.628	17.098	30.235		390.9
2054	83.256	45.680	212.481	16.990	30.046		388.5
2055	79.184	42.902	203.915	16.343	28.653		371.0
2056	74.900	40.607	195.052	22.250	27.191		360.0
2057	70.614	38.312	185.919	21.569	25.730		342.1
2058	66.358	36.027	177.069	20.893	24.270		324.6
2059	62.096	33.738	168.044	20.217	22.808		306.9
2060	57.836	31.451	159.054	18.327	21.346		288.0
2061	53.595	29.176	150.106	17.653	19.887		270.4
2062	49.356	26.902	141.160	16.980	18.429		252.8
2063	45.117	24.622	132.050	16.307	16.967		235.1
2064	40.882	22.343	122.796	14.421	15.507		215.9
2065	36.805	20.144	81.784	13.773	14.096		166.6
2066	32.662	17.919	73.030	13.115	12.645		149.4
2067	28.194	15.496	63.636	12.407	11.187		130.9
2068	24.095	13.242	54.778	10.543	9.720		112.4
2069	20.006	10.993	45.938	9.894	1.172		88.0
2070	15.922	8.747	37.107	9.245	1.172		72.2
2071	11.842	6.503	28.286	8.597	1.172		56.4
2072	7.766	4.263	19.478	5.310	1.172		38.0
2073	3.533	1.968	10.493	4.179	1.172		21.3
2074	-	-	2.767	2.955	-		5.7