Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-279

Joint Light Tactical Vehicle (JLTV)

As of December 31, 2012

Defense Acquisition Management
Information Retrieval
(DAMIR)

Table of Contents

Program Information

Program Name

Joint Light Tactical Vehicle (JLTV)

DoD Component

Army

Joint Participants

United States Marine Corps

Responsible Office

Responsible Office

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Date Assigned October 8, 2012

References

SAR Baseline (Development Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated October 23, 2012

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated October 23, 2012

Mission and Description

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 (FoV) 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.

(1) The two-seat CSV variant has one base platform, the Utility, with a payload capacity of 5,100 lbs.

(2) The four-seat CTV variant has two base vehicle platforms, the General Purpose and the Close Combat Weapons Carrier, with a payload capacity of 3,500 lbs.

Base vehicle platforms may be further equipped with multiple mission package configurations, such as the CSV Shelter Carrier and the CTV Heavy Guns Carrier.

Executive Summary

This is the initial SAR submission for the JLTV program.

The JLTV is a joint program between the United States Army and the United States Marine Corps.

On January 26, 2012, a full and open competition solicitation was issued, using a best value tradeoff source selection process. On August 9, 2012, the Milestone B decision authorized entry into the Engineering and Manufacturing Development (EMD) phase. As a result, three firm-fixed price contracts with a total value of $184.8 million were awarded on August 22, 2012 to the AM General, Lockheed Martin, and Oshkosh Corporations for a 27-month period of performance. Each EMD vendor will deliver 22 prototype vehicles from 12-14 months of contract award. Additional deliverables include ballistic structures, armor coupons and other test assets, vendor-furnished kits, trailers, and data requirements.

The EMD phase includes 14 months of rigorous Government test, with an initial three-month overlap of vendor-performed testing conducted in accordance under Government-approved processes, procedures and oversight. EMD tests and the relevant Purchase Description requirements are prioritized to evaluate the most critical EMD phase requirements, due to time constraints, with the remainder deferred to Production and Deployment (PD) phase testing. During EMD, performance, reliability and ballistic testing will be conducted to validate that JLTV prototype vehicles achieve Key Performance Parameter and Key System Attribute thresholds, and to support the source selection process for the PD phase. Select safety testing to facilitate the safety release for operational testing (Limited User Test) and other key design requirement testing will also be performed during EMD.

The PD phase contract award will be a single, fixed-price contract for three years of Low Rate Initial Production, with option pricing for five follow-on years of Full Rate Production (FRP) deliveries. FRP deliveries will be secured through either a five-year multiyear contract or a single base-year contract with four additional option years. Production contract vendors will submit proposals that allow the Government the flexibility to proceed with either approach at the time of the FRP decision. The PD phase contract will also include one or more options for the procurement of JLTV technical data.

On August 20, 2012, the Under Secretary of Defense (USD) for Acquisition, Technology, and Logistics (AT&L) authorized a Milestone B Acquisition Decision Memorandum for JLTV. The USD(AT&L) certified (with one waiver) the provisions set forth in Title 10, United States Code section 2366b. The USD(AT&L) waived the certification provision (a)(1)(D) of that section, in accordance with subsection (d) of the statute. The USD(AT&L) will continue periodic reviews, in accordance with subsection (d)(2)(B), until a determination can be made for the waived provision. The waiver could not be cleared in this annual SAR submission due to sequestration reductions and Congressional marks.

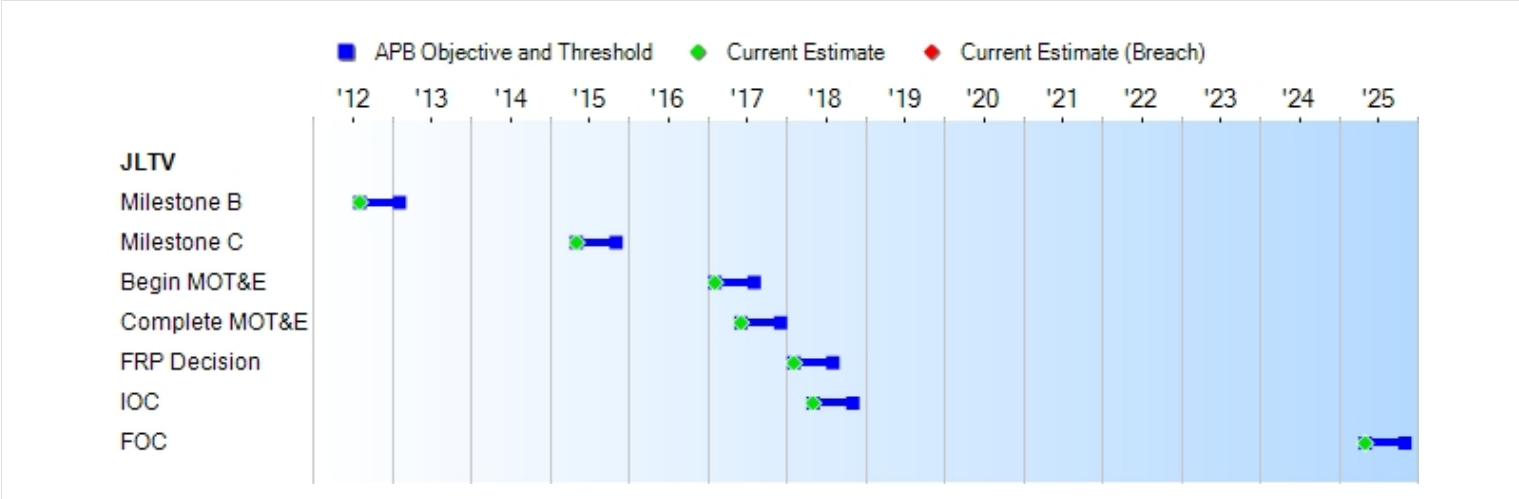
There are no significant software-related issues with this program at this time.

Threshold Breaches

APB Breaches		
Schedule		☐
Performance		☐
Cost	RDT&E	☐
	Procurement	☐
	MILCON	☐
	Acq O&M	☐
O&S Cost		☐
Unit Cost	PAUC	☐
	APUC	☐

Nunn-McCurdy Breaches		
Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Schedule



Milestones	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Current Estimate
Milestone B	AUG 2012	AUG 2012	FEB 2013	AUG 2012
Milestone C	MAY 2015	MAY 2015	NOV 2015	MAY 2015
Begin MOT&E	FEB 2017	FEB 2017	AUG 2017	FEB 2017
Complete MOT&E	JUN 2017	JUN 2017	DEC 2017	JUN 2017
FRP Decision	FEB 2018	FEB 2018	AUG 2018	FEB 2018
IOC	MAY 2018	MAY 2018	NOV 2018	MAY 2018
FOC	MAY 2025	MAY 2025	NOV 2025	MAY 2025

Acronyms And Abbreviations

FOC - Full Operational Capability
FRP - Full Rate Production
IOC - Initial Operational Capability
MOT&E - Multiservice Operational Test and Evaluation

Change Explanations

None

Memo

The above IOC is for the Army. The IOC for the United States Marine Corps is scheduled for December 2017.

Performance

Characteristics	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Demonstrated Performance	Current Estimate
Force Protection KPP	The JLTV shall provide essential protection to mounted personnel. The JLTV shall have scalable protection with inherent protection against direct fire threats and supplemental armor protection against direct fire and IED threats. See the JLTV Force Protection Classified Appendix F for definition of the Threshold and Objective values for KPP and non-KPP attributes. Other system attributes correspond-ing to the complete range of threats are	The JLTV shall provide essential protection to mounted personnel. The JLTV shall have scalable protection with inherent protection against direct fire threats and supplemental armor protection against direct fire and IED threats. See the JLTV Force Protection Classified Appendix F for definition of the Threshold and Objective values for KPP and non-KPP attributes. Other system attributes correspond-ing to the complete range of threats are	The JLTV shall provide essential protection to mounted personnel. The JLTV shall have scalable protection with inherent protection against direct fire threats and supplemental armor protection against direct fire and IED threats. See the JLTV Force Protection Classified Appendix F for definition of the Threshold and Objective values for KPP and non-KPP attributes. Other system attributes correspond-ing to the complete range of threats are	TBD	The JLTV shall provide essential protection to mounted personnel. The JLTV shall have scalable protection with inherent protection against direct fire threats and supplemental armor protection against direct fire and IED threats. See the JLTV Force Protection Classified Appendix F for definition of the Threshold and Objective values for KPP and non-KPP attributes. Other system attributes correspond-ing to the complete range of threats are

	outlined in the classified appendix.	outlined in the classified appendix.	outlined in the classified appendix.		outlined in the classified appendix.
Survivability KPP	The JLTV FoV (at GVW) should 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 after a dynamically applied impact load.	The JLTV FoV (at GVW) should 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 after a dynamically applied impact load.	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.	TBD	The JLTV FoV (at GVW) should 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 after a dynamically applied impact load.
Net-Ready KPP	The capability, system, and/or service must fully support execution of all operational activities and information exchanges identified in DoD Enterprise Architecture and solution architectures based on integrated DoDAF	The capability, system, and/or service must fully support execution of all operational activities and information exchanges identified in DoD Enterprise Architecture and solution architectures based on integrated DoDAF	The capability, system, and/or service must fully support execution of joint critical operational activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DoDAF	TBD	The capability, system, and/or service must fully support execution of all operational activities and information exchanges identified in DoD Enterprise Architecture and solution architectures based on integrated DoDAF

	content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DoDAF content, including specified operationally effective information exchanges, 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications, 3) Compliant with GIG Technical Guidance to include IT Standards	content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DoDAF content, including specified operationally effective information exchanges, 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications, 3) Compliant with GIG Technical Guidance to include IT Standards	content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DoDAF content, including specified operationally effective information exchanges, 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications, 3) Compliant with GIG Technical Guidance to include IT Standards		content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DoDAF content, including specified operationally effective information exchanges, 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications, 3) Compliant with GIG Technical Guidance to include IT Standards

	identified in the TV-1 and implementation guidance of GESPs, necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views, 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.	identified in the TV-1 and implementation guidance of GESPs, necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views, 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.	identified in the TV-1 and implementation guidance of GESPs necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views, 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an IATO or ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.		identified in the TV-1 and implementation guidance of GESPs, necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views, 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements
Sustainment KPP	JLTV FoV (vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have a Am of 85%.	JLTV FoV (vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have a Am of 85%.	JLTV FoV (vehicle only) shall have an Ao of 95%. JLTV FoV (vehicle only) shall have a Am of 80%.	TBD	JLTV FoV (vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have a Am of 85%.
System Training KPP	The JLTV shall have	The JLTV shall have	The JLTV shall have	TBD	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 demonstrat-ing a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.	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 demonstrat-ing a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.	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 demonstrat-ing a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.		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 demonstrat-ing a capability to negotiate operationally relevant terrain profiles, which include basic organic vehicle instrumentation, controls and crew drills.
Mobility KPP	The JLTV mobility shall support continuous operation across worldwide terrains, climatic conditions,	The JLTV mobility shall support continuous operation across worldwide terrains, climatic conditions,	The JLTV mobility shall support continuous operation across worldwide terrains, climatic conditions,	TBD	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 improve-ments, & cross-country terrain with no roads, routes, or well-worn trails. The JLTV at GVW should 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	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 improve-ments, & cross-country terrain with no roads, routes, or well-worn trails. The JLTV at GVW should 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	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 improve-ments, & 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		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 improve-ments, & cross-country terrain with no roads, routes, or well-worn trails. The JLTV at GVW should 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.	confidence bounds of established soft soil test procedures.	confidence bounds of established soft soil test procedures.		confidence bounds of established soft soil test procedures.
Transportability KPP	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: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Close	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: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Close	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: 1x CH-47F 50nm SL/SD @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high-hot @ ECC, USA: 1x CH-47F 50nm SL/SD @ ECC Close Combat Weapons Carrier – USMC: 2x CH-53K 40nm high-hot @ ECC, USA: 1x CH-	TBD	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: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Close

	Combat Weapons Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Utility (2 Seat) – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Shelter Carrier – Not a KPP Note: Range, Temperature, and Pressure Data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 3000ft. 40 nm; sea-level take off & landing 2) CH-47F high hot: 95 F / 35 deg C, 4,000 ft, 50nm 3) CH-47F SL/SD: Sea Level / Standard	Combat Weapons Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Utility (2 Seat) – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Shelter Carrier – Not a KPP Note: Range, Temperature, and Pressure Data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 3000ft. 40 nm; sea-level take off & landing 2) CH-47F high hot: 95 F / 35 deg C, 4,000 ft, 50nm 3) CH-47F SL/SD: Sea Level / Standard	47F 50nm SL/SD @ ECC Utility (2 Seat) – USMC: 2x CH-53K 40nm high-hot @ ECC, USA: 1x CH-47F 50nm SL/SD @ ECC Shelter Carrier – Not a KPP Note: Range, Temperature, and Pressure Data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 3000ft. 40 nm; sea-level take off & landing 2) CH-47F high hot: 95 F / 35 deg C, 4,000 ft, 50nm 3) CH-47F SL/SD: Sea Level / Standard Day (70 F), 50 nm Sealift: Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expeditionary capabilities. The USMC		Combat Weapons Carrier – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Utility (2 Seat) – USMC: 2x CH-53K 40nm high-hot @ GVW, USA: 1x CH-47F 50nm 4k/95F @ GVW, USA: 1x MH-47 30nm IAT 4k/95F @ ECC Shelter Carrier – Not a KPP Note: Range, Temperature, and Pressure Data: 1) CH-53K: Navy High Hot: 91.5 deg F/33 deg C, 3000ft. 40 nm; sea-level take off & landing 2) CH-47F high hot: 95 F / 35 deg C, 4,000 ft, 50nm 3) CH-47F SL/SD: Sea Level / Standard

	Day (70 F), 50 nm Sealift: Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expedition-ary capabilities. The USMC JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the preposition-ing and amphibious ships force projection naval ships where current HMMWVs are loaded, including height restricted deck spaces of the MPF MPS and amphibious class ships.	Day (70 F), 50 nm Sealift: Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expedition-ary capabilities. The USMC JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the preposition-ing and amphibious ships force projection naval ships where current HMMWVs are loaded, including height restricted deck spaces of the MPF MPS and amphibious class ships.	JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the preposition-ing and amphibious ships force projection naval ships where current HMMWVs are loaded, including height restricted deck spaces of the MPF MPS and amphibious class ships.		Day (70 F), 50 nm Sealift: Transport by sea is an essential part of force deployment and a hallmark aspect of USMC Expedition-ary capabilities. The USMC JLTV (CTV variants and the CSV Utility) shall be capable of being loaded into all deck spaces of the preposition-ing and amphibious ships force projection naval ships where current HMMWVs are loaded, including height restricted deck spaces of the MPF MPS and amphibious class ships.
Payload KPP	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC)	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC)	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC)	TBD	Combat Tactical Vehicles (CTVs including GP, HGC, and CCWC)

	should have an on vehicle payload of 5100. CSVs including Utility/Prime Movers and Shelter Carriers: 11,000; Trailers: 6,000. Shelter carrier 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.	should have an on vehicle payload of 5100. CSVs including Utility/Prime Movers and Shelter Carriers: 11,000; Trailers: 6,000. Shelter carrier 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.	shall have an on vehicle payload of 3500lbs. CSVs including Utility/Prime Movers and Shelter Carriers: 5100; Trailers: 3500 for CTV variants; 5100 for CSV variants. Shelter carrier 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.		should have an on vehicle payload of 5100. CSVs including Utility/Prime Movers and Shelter Carriers: 11,000; Trailers: 6,000. Shelter carrier 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.

Requirements Source: Capability Development Document (CDD) dated March 15, 2012

Acronyms And Abbreviations

Am - Materiel Availability
Ao - Operational Availability
ATO - Approval to Operate
C - Celsius
CCWC - Close Combat Weapons Carrier
CSV - Combat Support Vehicle
CTV - Combat Tactical Vehicle
DAA - Designated Approval Authority
Deg - Degree
DOD IEA - DOD Information Enterprise Architecture
DODAF - DOD Architecture Framework
ECC - Essential Combat Configuration
F - Fahrenheit
FoV - Family of Vehicles
ft - Feet
GESP - GIG Enterprise Service Profiles
GIG - Global Information Grid
GP - General Purpose
GVW - Gross Vehicle Weight
HGC - Heavy Guns Carrier
HMMWV - High Mobility Multi-Purpose Wheeled Vehicle
IAT - Internal Air Transport
IATO - Interim Authorization to Operate
IED - Improvised Explosive Device
IP - Internet Protocol
IT - Information Technology
JTRS - Joint Tactical Radio System
k - Thousand
KPP - Key Performance Parameter
lbs - Pounds
LWMS - Light Weight Multipurpose Shelter
MPF - Maritime Pre-positioning Force
MPS - Maritime Pre-Positioning Squadron
nm - Nautical Miles
RCI - Rating Cone Index
SAASM - Selective Availability Anti-Spoofing Module
SECM - Shop Equipment Contact Maintenance
SICPS RWS - Standardized Integrated Command Post System Rigid Wall Shelter
SL/SD - Sea Level / Standard Day
TBD - To Be Determined
TV-1 - Technical Standards Profile
USA - U.S. Army
USMC - U.S. Marine Corps

Change Explanations

None

Track To Budget

RDT&E				
APPN 1319	BA 04	PE 0603635M	(Navy)	
	Project 3209	Marine Corps Grnd Cmbt/Supt Sys		(Sunk)
	Funding line used through FY 2012			
APPN 1319	BA 04	PE 0605812M	(Navy)	
	Project 3209	Joint Light Tactical Vehicle		
	Funding line FY 2013 and beyond			
APPN 2040	BA 04	PE 0603804A	(Army)	
	Project L04	Joint Light Tactical Vehicle (JLTV) - Advanced Development (AD)		(Sunk)
	Funding line used from FY 2008-FY 2011			
APPN 2040	BA 05	PE 0604804A	(Army)	
	Project L50	Joint Light Tactical Vehicle (JLTV) - System Development and Demonstration (SDD)		(Sunk)
	Funding line used FY 2012			
APPN 2040	BA 05	PE 0605812A	(Army)	
	Project VU9	Joint Light Tactical Vehicle - Engineering Development (ED)		
	Funding line FY 2013 and beyond			

Procurement				
APPN 1109	BA 05		(Navy)	
	ICN 5095	Joint Light Tactical Vehicle		
	Funding starts FY 2015			
APPN 2035	BA 01		(Army)	

ICN D15603 Joint Light Tactical Vehicle
Funding starts FY 2015

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

	BY2012 $M			BY2012 $M	TY $M		
Appropriation	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Current Estimate	SAR Baseline Dev Est	Current APB Development Objective	Current Estimate
RDT&E	962.3	962.3	--	942.9	1009.8	1009.8	1000.9
Procurement	21782.0	21782.0	--	21772.8	29359.4	29359.4	30087.0
Flyaway	20733.3	--	--	20727.1	28008.9	--	28709.6
Recurring	19047.8	--	--	19043.8	25743.3	--	26389.1
Non Recurring	1685.5	--	--	1683.3	2265.6	--	2320.5
Support	1048.7	--	--	1045.7	1350.5	--	1377.4
Other Support	893.8	--	--	890.8	1148.3	--	1170.3
Initial Spares	154.9	--	--	154.9	202.2	--	207.1
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	35.9	35.9	--	17.2	39.5	39.5	20.3
Total	22780.2	22780.2	N/A	22732.9	30408.7	30408.7	31108.2

Confidence Level for Current APB Cost 50% -
The JLTV Joint Cost Position (JCP), approved July 12, 2012 by Assistant Secretary of the Army for Financial Management & Comptroller (ASA FM&C), was used to establish the APB. Costs are reflected at the 50% Confidence Level in accordance with Army Cost Guidance, Army Regulation 11-18.

Procurement does not include recurring production for government furnished equipment and non-Program Manager (PM) funded modifications.

Operations and Support includes training ammunition, non-PM funded modifications (Procurement), Military Personnel, and all Operations and Maintenance (minus demilitarization / demilitarization second destination tranportation / repairable and consumerable parts associated with government furnished equipment / end-item supply and maintenance of government furnished equipment).

For the JLTV program, the unit of measure for Average Procurement Unit Cost (APUC) and Program Acquisition Unit Cost (PAUC) calculations is a vehicle.

Quantity	SAR Baseline Dev Est	Current APB Development	Current Estimate
RDT&E	131	131	131
Procurement	54599	54599	54599
Total	54730	54730	54730

Cost and Funding

Funding Summary

Appropriation and Quantity Summary
FY2014 President's Budget / December 2012 SAR (TY$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	460.5	116.8	134.6	51.3	66.3	50.0	5.7	115.7	1000.9
Procurement	0.0	0.0	0.0	208.8	412.4	749.4	1367.4	27349.0	30087.0
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	20.3
PB 2014 Total	460.5	116.8	134.6	260.1	478.7	799.4	1373.1	27485.0	31108.2
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Program funding and production quantities listed in this SAR are consistent with the FY 2014 President's Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President's requested amounts for FY 2013.

Quantity	Undistributed	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
Development	131	0	0	0	0	0	0	0	0	131
Production	0	0	0	0	183	559	1121	2600	50136	54599
PB 2014 Total	131	0	0	0	183	559	1121	2600	50136	54730
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Cost and Funding

Annual Funding By Appropriation

Annual Funding TY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2008	--	--	--	--	--	--	105.2
2009	--	--	--	--	--	--	20.5
2010	--	--	--	--	--	--	26.3
2011	--	--	--	--	--	--	33.4
2012	--	--	--	--	--	--	84.5
2013	--	--	--	--	--	--	72.3
2014	--	--	--	--	--	--	84.2
2015	--	--	--	--	--	--	34.7
2016	--	--	--	--	--	--	33.2
2017	--	--	--	--	--	--	26.1
2018	--	--	--	--	--	--	3.3
2019	--	--	--	--	--	--	3.2
2020	--	--	--	--	--	--	2.0
2021	--	--	--	--	--	--	2.0
2022	--	--	--	--	--	--	4.2
2023	--	--	--	--	--	--	5.3
2024	--	--	--	--	--	--	7.1
2025	--	--	--	--	--	--	4.4
2026	--	--	--	--	--	--	4.5
2027	--	--	--	--	--	--	4.6
2028	--	--	--	--	--	--	5.6
2029	--	--	--	--	--	--	7.7
2030	--	--	--	--	--	--	4.8
2031	--	--	--	--	--	--	4.9
2032	--	--	--	--	--	--	5.0
2033	--	--	--	--	--	--	6.1

2034	--	--	--	--	--	--	8.5
2035	--	--	--	--	--	--	5.3
2036	--	--	--	--	--	--	5.4
2037	--	--	--	--	--	--	5.5
2038	--	--	--	--	--	--	6.7
2039	--	--	--	--	--	--	5.7
Subtotal	**72**	**--**	**--**	**--**	**--**	**--**	**632.2**

Annual Funding BY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2012 $M	Non End Item Recurring Flyaway BY 2012 $M	Non Recurring Flyaway BY 2012 $M	Total Flyaway BY 2012 $M	Total Support BY 2012 $M	Total Program BY 2012 $M
2008	--	--	--	--	--	--	110.3
2009	--	--	--	--	--	--	21.2
2010	--	--	--	--	--	--	26.8
2011	--	--	--	--	--	--	33.3
2012	--	--	--	--	--	--	82.7
2013	--	--	--	--	--	--	69.2
2014	--	--	--	--	--	--	78.4
2015	--	--	--	--	--	--	31.7
2016	--	--	--	--	--	--	29.8
2017	--	--	--	--	--	--	23.0
2018	--	--	--	--	--	--	2.8
2019	--	--	--	--	--	--	2.7
2020	--	--	--	--	--	--	1.7
2021	--	--	--	--	--	--	1.6
2022	--	--	--	--	--	--	3.4
2023	--	--	--	--	--	--	4.2
2024	--	--	--	--	--	--	5.5
2025	--	--	--	--	--	--	3.3
2026	--	--	--	--	--	--	3.3
2027	--	--	--	--	--	--	3.4
2028	--	--	--	--	--	--	4.0
2029	--	--	--	--	--	--	5.4
2030	--	--	--	--	--	--	3.3
2031	--	--	--	--	--	--	3.3
2032	--	--	--	--	--	--	3.3
2033	--	--	--	--	--	--	4.0
2034	--	--	--	--	--	--	5.4
2035	--	--	--	--	--	--	3.3
2036	--	--	--	--	--	--	3.3

2037	--	--	--	--	--	--	3.3
2038	--	--	--	--	--	--	4.0
2039	--	--	--	--	--	--	3.3
Subtotal	**72**	**--**	**--**	**--**	**--**	**--**	**584.2**

Annual Funding TY$
1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2008	--	--	--	--	--	--	38.7
2009	--	--	--	--	--	--	40.7
2010	--	--	--	--	--	--	47.8
2011	--	--	--	--	--	--	18.3
2012	--	--	--	--	--	--	45.1
2013	--	--	--	--	--	--	44.5
2014	--	--	--	--	--	--	50.4
2015	--	--	--	--	--	--	16.6
2016	--	--	--	--	--	--	33.1
2017	--	--	--	--	--	--	23.9
2018	--	--	--	--	--	--	2.4
2019	--	--	--	--	--	--	3.2
2020	--	--	--	--	--	--	2.0
2021	--	--	--	--	--	--	2.0
Subtotal	**59**	**--**	**--**	**--**	**--**	**--**	**368.7**

Annual Funding BY$
1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2012 $M	Non End Item Recurring Flyaway BY 2012 $M	Non Recurring Flyaway BY 2012 $M	Total Flyaway BY 2012 $M	Total Support BY 2012 $M	Total Program BY 2012 $M
2008	--	--	--	--	--	--	40.7
2009	--	--	--	--	--	--	42.2
2010	--	--	--	--	--	--	48.9
2011	--	--	--	--	--	--	18.2
2012	--	--	--	--	--	--	44.1
2013	--	--	--	--	--	--	42.6
2014	--	--	--	--	--	--	47.4
2015	--	--	--	--	--	--	15.3
2016	--	--	--	--	--	--	30.0
2017	--	--	--	--	--	--	21.2
2018	--	--	--	--	--	--	2.1
2019	--	--	--	--	--	--	2.7
2020	--	--	--	--	--	--	1.7
2021	--	--	--	--	--	--	1.6
Subtotal	**59**	**--**	**--**	**--**	**--**	**--**	**358.7**

Annual Funding TY$
2035 | Procurement | Other Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2015	162	80.2	--	85.7	165.9	12.4	178.3
2016	442	188.9	--	103.6	292.5	20.4	312.9
2017	884	467.4	--	75.4	542.8	63.5	606.3
2018	1479	702.3	--	48.6	750.9	96.0	846.9
2019	1917	926.6	--	55.2	981.8	150.3	1132.1
2020	2200	1075.0	--	59.2	1134.2	187.8	1322.0
2021	2200	1062.1	--	54.9	1117.0	51.4	1168.4
2022	2200	1065.7	--	78.8	1144.5	47.6	1192.1
2023	2200	1080.1	--	72.0	1152.1	56.0	1208.1
2024	2200	1085.9	--	81.6	1167.5	48.1	1215.6
2025	2200	1038.8	--	85.8	1124.6	39.8	1164.4
2026	2200	1040.0	--	77.7	1117.7	39.1	1156.8
2027	2200	992.5	--	83.9	1076.4	35.2	1111.6
2028	2200	1002.4	--	80.3	1082.7	36.6	1119.3
2029	2200	1018.6	--	87.7	1106.3	34.6	1140.9
2030	2200	1037.1	--	92.8	1129.9	35.4	1165.3
2031	2200	1042.1	--	83.1	1125.2	36.0	1161.2
2032	2200	1057.5	--	90.4	1147.9	36.5	1184.4
2033	2200	1083.9	--	83.5	1167.4	37.2	1204.6
2034	2200	1089.4	--	92.7	1182.1	38.0	1220.1
2035	2200	1101.5	--	98.2	1199.7	38.7	1238.4
2036	2200	1116.4	--	86.7	1203.1	39.5	1242.6
2037	2135	1100.0	--	88.4	1188.4	39.2	1227.6
2038	2112	1110.7	--	87.7	1198.4	39.3	1237.7
2039	2112	1130.0	--	81.4	1211.4	40.1	1251.5
2040	456	255.8	--	81.2	337.0	9.9	346.9
2041	--	--	--	25.0	25.0	1.0	26.0
2042	--	--	--	24.0	24.0	2.0	26.0
Subtotal	**49099**	**23950.9**	**--**	**2145.5**	**26096.4**	**1311.6**	**27408.0**

Annual Funding BY$
2035 | Procurement | Other Procurement, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2012 $M	Non End Item Recurring Flyaway BY 2012 $M	Non Recurring Flyaway BY 2012 $M	Total Flyaway BY 2012 $M	Total Support BY 2012 $M	Total Program BY 2012 $M
2015	162	72.9	--	77.8	150.7	11.3	162.0
2016	442	168.4	--	92.3	260.7	18.2	278.9
2017	884	408.9	--	66.0	474.9	55.5	530.4
2018	1479	602.9	--	41.7	644.6	82.5	727.1
2019	1917	780.7	--	46.5	827.2	126.6	953.8
2020	2200	888.8	--	48.9	937.7	155.3	1093.0
2021	2200	861.8	--	44.5	906.3	41.7	948.0
2022	2200	848.6	--	62.7	911.3	37.9	949.2
2023	2200	844.0	--	56.3	900.3	43.7	944.0
2024	2200	832.7	--	62.6	895.3	36.9	932.2
2025	2200	781.7	--	64.5	846.2	30.0	876.2
2026	2200	768.0	--	57.4	825.4	28.9	854.3
2027	2200	719.3	--	60.8	780.1	25.5	805.6
2028	2200	712.9	--	57.1	770.0	26.1	796.1
2029	2200	710.9	--	61.3	772.2	24.1	796.3
2030	2200	710.4	--	63.6	774.0	24.2	798.2
2031	2200	700.5	--	55.8	756.3	24.2	780.5
2032	2200	697.6	--	59.6	757.2	24.1	781.3
2033	2200	701.6	--	54.1	755.7	24.1	779.8
2034	2200	692.1	--	58.9	751.0	24.1	775.1
2035	2200	686.7	--	61.2	747.9	24.1	772.0
2036	2200	683.0	--	53.0	736.0	24.2	760.2
2037	2135	660.4	--	53.0	713.4	23.6	737.0
2038	2112	654.4	--	51.6	706.0	23.2	729.2
2039	2112	653.4	--	47.0	700.4	23.2	723.6
2040	456	145.1	--	46.1	191.2	5.6	196.8
2041	--	--	--	13.9	13.9	0.6	14.5
2042	--	--	--	13.1	13.1	1.1	14.2
Subtotal	**49099**	**16987.7**	**--**	**1531.3**	**18519.0**	**990.5**	**19509.5**

Annual Funding TY$
1109 | Procurement | Procurement, Marine Corps

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2015	21	10.8	--	18.2	29.0	1.5	30.5
2016	117	55.6	--	42.7	98.3	1.2	99.5
2017	237	108.5	--	28.1	136.6	6.5	143.1
2018	1121	494.4	--	19.7	514.1	6.4	520.5
2019	1340	590.3	--	23.2	613.5	13.1	626.6
2020	1332	587.1	--	23.2	610.3	13.6	623.9
2021	1332	591.5	--	19.0	610.5	13.1	623.6
2022	--	--	--	0.6	0.6	8.7	9.3
2023	--	--	--	0.3	0.3	1.2	1.5
2024	--	--	--	--	--	0.5	0.5
Subtotal	**5500**	**2438.2**	**--**	**175.0**	**2613.2**	**65.8**	**2679.0**

Annual Funding BY$
1109 | Procurement | Procurement, Marine Corps

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2012 $M	Non End Item Recurring Flyaway BY 2012 $M	Non Recurring Flyaway BY 2012 $M	Total Flyaway BY 2012 $M	Total Support BY 2012 $M	Total Program BY 2012 $M
2015	21	9.9	--	16.6	26.5	1.4	27.9
2016	117	49.9	--	38.3	88.2	1.1	89.3
2017	237	95.6	--	24.8	120.4	5.7	126.1
2018	1121	427.5	--	17.1	444.6	5.5	450.1
2019	1340	500.9	--	19.7	520.6	11.1	531.7
2020	1332	488.9	--	19.3	508.2	11.3	519.5
2021	1332	483.4	--	15.5	498.9	10.7	509.6
2022	--	--	--	0.5	0.5	7.0	7.5
2023	--	--	--	0.2	0.2	1.0	1.2
2024	--	--	--	--	--	0.4	0.4
Subtotal	**5500**	**2056.1**	**--**	**152.0**	**2208.1**	**55.2**	**2263.3**

Annual Funding TY$
1106 | Acq O&M | Operation and Maintenance, Marine Corps

Fiscal Year	Total Program TY $M
2019	8.2
2020	7.9
2021	4.2
Subtotal	**20.3**

Annual Funding BY$
1106 | Acq O&M | Operation and Maintenance, Marine Corps

Fiscal Year	Total Program BY 2012 $M
2019	7.0
2020	6.7
2021	3.5
Subtotal	**17.2**

Low Rate Initial Production

	Initial LRIP Decision	Current Total LRIP
Approval Date	8/20/2012	
Approved Quantity	3100	
Reference	MS B ADM	
Start Year	2015	
End Year	2017	

Start and End Years represent order years.

Foreign Military Sales

None

Nuclear Cost

None

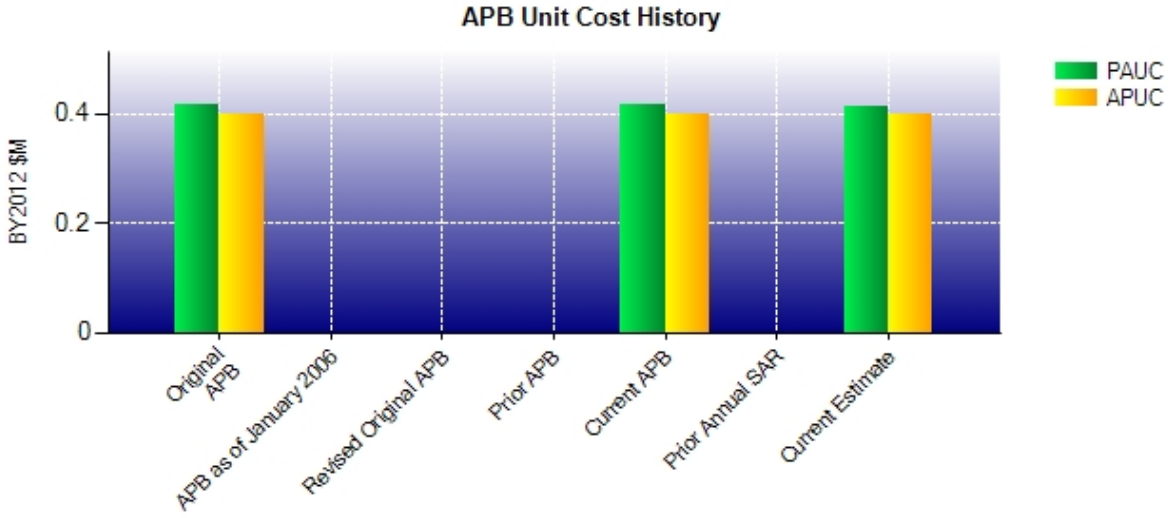
Unit Cost

Unit Cost Report

	BY2012 $M	BY2012 $M	
Unit Cost	**Current UCR Baseline (OCT 2012 APB)**	**Current Estimate (DEC 2012 SAR)**	**BY % Change**
Program Acquisition Unit Cost (PAUC)			
Cost	22780.2	22732.9	
Quantity	54730	54730	
Unit Cost	0.416	0.415	-0.24
Average Procurement Unit Cost (APUC)			
Cost	21782.0	21772.8	
Quantity	54599	54599	
Unit Cost	0.399	0.399	0.00

	BY2012 $M	BY2012 $M	
Unit Cost	**Original UCR Baseline (OCT 2012 APB)**	**Current Estimate (DEC 2012 SAR)**	**BY % Change**
Program Acquisition Unit Cost (PAUC)			
Cost	22780.2	22732.9	
Quantity	54730	54730	
Unit Cost	0.416	0.415	-0.24
Average Procurement Unit Cost (APUC)			
Cost	21782.0	21772.8	
Quantity	54599	54599	
Unit Cost	0.399	0.399	0.00

Unit Cost History



		BY2012 $M		TY $M	
	Date	PAUC	APUC	PAUC	APUC
Original APB	OCT 2012	0.416	0.399	0.556	0.538
APB as of January 2006	N/A	N/A	N/A	N/A	N/A
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	N/A	N/A	N/A	N/A	N/A
Current APB	OCT 2012	0.416	0.399	0.556	0.538
Prior Annual SAR	N/A	N/A	N/A	N/A	N/A
Current Estimate	DEC 2012	0.415	0.399	0.568	0.551

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY $M)

Initial PAUC Dev Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.556	0.013	0.000	0.000	0.000	-0.001	0.000	0.000	0.012	0.568

Current SAR Baseline to Current Estimate (TY $M)

Initial APUC Dev Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.538	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.551

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone A	N/A	N/A	N/A	N/A
Milestone B	N/A	AUG 2012	N/A	AUG 2012
Milestone C	N/A	MAY 2015	N/A	MAY 2015
IOC	N/A	MAY 2018	N/A	MAY 2018
Total Cost (TY $M)	N/A	30408.7	N/A	31108.2
Total Quantity	N/A	54730	N/A	54730
Prog. Acq. Unit Cost (PAUC)	N/A	0.556	N/A	0.568

Cost Variance

Summary Then Year $M					
	RDT&E	Proc	MILCON	Acq O&M	Total
SAR Baseline (Dev Est)	1009.8	29359.4	--	39.5	30408.7
Previous Changes					
Economic	--	--	--	--	--
Quantity	--	--	--	--	--
Schedule	--	--	--	--	--
Engineering	--	--	--	--	--
Estimating	--	--	--	--	--
Other	--	--	--	--	--
Support	--	--	--	--	--
Subtotal	--	--	--	--	--
Current Changes					
Economic	+11.4	+738.4	--	+0.5	+750.3
Quantity	--	--	--	--	--
Schedule	+4.0	--	--	--	+4.0
Engineering	--	--	--	--	--
Estimating	-24.3	-6.8	--	-19.7	-50.8
Other	--	--	--	--	--
Support	--	-4.0	--	--	-4.0
Subtotal	-8.9	+727.6	--	-19.2	+699.5
Total Changes	-8.9	+727.6	--	-19.2	+699.5
CE - Cost Variance	1000.9	30087.0	--	20.3	31108.2
CE - Cost & Funding	1000.9	30087.0	--	20.3	31108.2

Summary Base Year 2012 $M					
	RDT&E	Proc	MILCON	Acq O&M	Total
SAR Baseline (Dev Est)	962.3	21782.0	--	35.9	22780.2
Previous Changes					
Economic	--	--	--	--	--
Quantity	--	--	--	--	--
Schedule	--	--	--	--	--
Engineering	--	--	--	--	--
Estimating	--	--	--	--	--
Other	--	--	--	--	--
Support	--	--	--	--	--
Subtotal	--	--	--	--	--
Current Changes					
Economic	--	--	--	--	--
Quantity	--	--	--	--	--
Schedule	+3.4	--	--	--	+3.4
Engineering	--	--	--	--	--
Estimating	-22.8	-6.2	--	-18.7	-47.7
Other	--	--	--	--	--
Support	--	-3.0	--	--	-3.0
Subtotal	-19.4	-9.2	--	-18.7	-47.3
Total Changes	-19.4	-9.2	--	-18.7	-47.3
CE - Cost Variance	942.9	21772.8	--	17.2	22732.9
CE - Cost & Funding	942.9	21772.8	--	17.2	22732.9

Initial SAR - Above variances (if any) reflect changes since the SAR Baseline/APB.
SAR Baseline Reference: Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated October 23, 2012

RDT&E	$M	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	+11.4
Update of test estimate to include phasing adjustment for test events (Army). (Schedule)	+1.7	+2.0
Update of test estimate to include phasing adjustment for test events (Navy). (Schedule)	+1.7	+2.0
Adjustment for current and prior escalation. (Estimating)	-2.4	-2.4
Update to reflect actual costs for Government Furnished Equipment (GFE) (Army). (Estimating)	-0.7	-0.4
Update to reflect actual costs for GFE (Navy). (Estimating)	-5.2	-5.3
Adjustment to reflect awarded contract price (Army). (Estimating)	-0.1	-0.7
Adjustment to reflect awarded contract price (Navy). (Estimating)	-8.8	-9.6
Revised government Systems Engineering / Program Management (SEPM) costs (Army). (Estimating)	-8.4	-8.9
Revised government SEPM costs (Navy). (Estimating)	+2.8	+3.0
RDT&E Subtotal	-19.4	-8.9

Procurement	$M	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	+738.4
Update of contractor furnished equipment (CFE) kit estimate and change in annual procurement schedules (Army). (Estimating)	-3.5	-4.4
Update of CFE kit estimate and change in annual procurement schedules (Navy). (Estimating)	-0.9	-0.6
Update for Nonrecurring Production, Systems Engineering / Program Management, and System Test and Evaluation costs (Army). (Estimating)	-1.8	-1.8
Decrease in Other Support (e.g., Training, Transportation (equipment to unit), New Equipment Training, Contractor Logistics Support) (Army). (Support)	-2.9	-4.1
Decrease in Other Support (Navy). (Support)	-0.1	-0.2
Increase in Initial Spares (Army). (Support)	+0.1	+0.1
Decrease in Initial Spares (Navy). (Support)	-0.1	+0.2
Procurement Subtotal	-9.2	+727.6

Acq O&M	$M	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	+0.5
Decrease due to change in assumptions for United States Marine Corps government personnel costs funding in FY 2012 - FY 2016 (Navy). (Estimating)	-18.6	-19.6
Adjustment for current and prior escalation. (Estimating)	-0.1	-0.1
Acq O&M Subtotal	-18.7	-19.2

Contracts

Appropriation: RDT&E

Contract Name	**JLTV EMD Phase PD B**
Contractor	AM General LLC
Contractor Location	105 N Niles Ave South Bend, IN 46617-2705
Contract Number, Type	W56HZV-12-C-0258, FFP
Award Date	August 22, 2012
Definitization Date	August 22, 2012

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
63.9	N/A	22	63.9	N/A	22	63.9	63.9

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

This is the first time this contract is being reported.

Quantity of 22 represents Research and Development prototypes, not fully developed systems intended to be fielded.

Appropriation: RDT&E

Contract Name	**JLTV EMD Phase PD C**
Contractor	Lockheed Martin Corporation
Contractor Location	1701 W Marshall Dr. Grand Prairie, TX 75051-2704
Contract Number, Type	W56HZV-12-C-0262, FFP
Award Date	August 22, 2012
Definitization Date	August 22, 2012

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
65.0	N/A	22	65.0	N/A	22	65.0	65.0

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

This is the first time this contract is being reported.

Quantity of 22 represents Research and Development prototypes, not fully developed systems intended to be fielded.

Appropriation: RDT&E

Contract Name	**JLTV EMD Phase PD A**
Contractor	Oshkosh Corporation
Contractor Location	2307 Oregon St Oshkosh, WI 54902-7062
Contract Number, Type	W56HZV-12-C-0264, FFP
Award Date	August 22, 2012
Definitization Date	August 22, 2012

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
55.9	N/A	22	55.9	N/A	22	55.9	55.9

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

This is the first time this contract is being reported.

Quantity of 22 represents Research and Development prototypes, not fully developed systems intended to be fielded.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	24	24	131	18.32%
Production	0	0	54599	0.00%
Total Program Quantities Delivered	24	24	54730	0.04%

Expenditures and Appropriations (TY $M)			
Total Acquisition Cost	31108.2	Years Appropriated	6
Expenditures To Date	356.2	Percent Years Appropriated	17.14%
Percent Expended	1.15%	Appropriated to Date	577.3
Total Funding Years	35	Percent Appropriated	1.86%

The above data is current as of 3/31/2013.

Operating and Support Cost

JLTV

Assumptions and Ground Rules

Cost Estimate Reference:

- Joint Cost Position (JCP) source: Automated Cost Estimating Integrated Tools (ACEIT) / "JLTV MS B JCP FINAL, version 42", dated July 12, 2012.
- Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated October 23, 2012
- Final Version of the Cost Analysis Requirements Description (CARD) V0.AA.D17, dated July 27, 2012
- Requirements Source: Capability Development Document (CDD) version 3.6, dated March 15, 2012

Sustainment Strategy:

- Reflects peacetime Operational Tempo (OPTEMPO) as identified by sub-configuration by G3 Training for Army and in JLTV Operation Mode Summary & Mission Profile (OMS/MP) for the United States Marine Corps (USMC). Reduced OPTEMPO used for Army Training and Army Prepositioned Stock (APS) units and inactive USMC units.
- Procurement Quantity: 54,599 (49,099: Army / 5,500: USMC)
- Service Life: 20 Years
- Interim Contractor Logistics Support (ICLS) occurs the first three years of Army fielding (FY 2018 - FY 2020) and then transitions to organic maintenance support in FY 2021. ICLS will occur for the USMC starting with the second year of Low rate initial production (LRIP) (FY 2016) until Initial Operational Capability (IOC) (FY 2018). USMC Supply Support is required from IOC (FY 2018) until fielding is complete (FY 2022).
- Army maintenance concept will be two levels of maintenance: Field and Sustainment maintenance. USMC maintenance concept will be three levels of maintenance: Operator/Crew, Field, and Sustainment.
- The JLTV will incur a condition-based Overhaul, starting at 10 years. Of the operational vehicles that are older than 10 years, 2.4% per year will undergo the condition-based overhaul.

Antecedent Information:

- Rough Order Magnitude estimate developed used JLTV cost model adjusted with system technical & cost data for High-Mobility Multipurpose Wheeled Vehicle (HMMWV) (M1151, M1152 & M1165).
- HMMWV data normalized for JLTV quantity, operating schedule, OPTEMPO & other Ground Rules and Assumptions (GR&A).
- Antecedent Sources: JLTV Analysis of Alternatives (AoA) and Army Product Manager Light Tactical Vehicles (PM LTV)

Unitized O&S Costs BY2012 $K		
Cost Element	**JLTV Average Annual $ per Vehicle**	**HMMWV (Antecedent) Average Annual $ per Vehicle**
Unit-Level Manpower	8.7	8.7
Unit Operations	5.3	5.8
Maintenance	12.2	7.1
Sustaining Support	1.2	1.2
Continuing System Improvements	1.7	0.8
Indirect Support	0.0	0.0
Other	0.0	0.0
Total	29.1	23.6

Unitized Cost Comments:

- Reflects peacetime operations.
- Excludes Government Furnished Equipment (GFE) Cons & Reps costs.
- Rough Order Magnitude estimate developed used JLTV cost model adjusted with system technical & cost data for HMMWV (M1151, M1152 & M1165).
- Established Annual Average O&S Cost per Vehicle affordability target/requirement is $29.1 (BY 2012 $K) which is the objective cost that corresponds to the $31,708.4M Objective Total O&S costs.

	Total O&S Cost $M			
	Current Development APB Objective/Threshold		**Current Estimate**	
	JLTV		**JLTV**	**HMMWV (Antecedent)**
Base Year	31728.7	34901.6	31708.4	25800.9
Then Year	50630.5	N/A	56443.5	46088.2

Total O&S Costs Comments:

- No Cost Variance information available as this is initial SAR submission for JLTV.
- Reflects peacetime operations
- Excludes GFE Cons & Reps costs

Disposal Costs

- Total Demilitarization Cost: $157.9 M (BY 2012 $K) which includes costs for disposal and transportation (associated with disposal of JLTVs)