

Selected Acquisition Report (SAR)

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Joint Light Tactical Vehicle (JLTV)

As of FY 2015 President's Budget

Defense Acquisition Management Information Retrieval (DAMIR)

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Common Acronyms and Abbreviations

Acq O&M - Acquisition-Related Operations and Maintenance **APB** - Acquisition Program Baseline APPN - Appropriation APUC - Average Procurement Unit Cost BA - Budget Authority/Budget Activity BY - Base Year DAMIR - Defense Acquisition Management Information Retrieval Dev Est - Development Estimate **DoD** - Department of Defense DSN - Defense Switched Network Econ - Economic Eng - Engineering Est - Estimating FMS - Foreign Military Sales FY - Fiscal Year IOC - Initial Operational Capability \$K - Thousands of Dollars LRIP - Low Rate Initial Production \$M - Millions of Dollars MILCON - Military Construction N/A - Not Applicable O&S - Operating and Support Oth - Other PAUC - Program Acquisition Unit Cost PB - President's Budget PE - Program Element Proc - Procurement Prod Est - Production Estimate **QR** - Quantity Related Qty - Quantity RDT&E - Research, Development, Test, and Evaluation SAR - Selected Acquisition Report Sch - Schedule Spt - Support TBD - To Be Determined TY - Then Year UCR - Unit Cost Reporting

Program Information

rogram Name
pint Light Tactical Vehicle (JLTV)
oD Component
rmy
pint Participants
nited States Marine Corps

Responsible Office

Responsible Office		
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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 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 has a payload capacity of 5,100-pounds. The four-seat CTV variant has a payload capacity of 3,500-pounds. Variants may be further equipped with multiple mission package configurations, such as the CSV Shelter Carrier and the CTV Heavy Guns Carrier.

Executive Summary

The JLTV is a joint Army/United States Marine Corps program, of which the Army is the lead service.

The Engineering and Manufacturing Development (EMD) phase includes 14-months of performance, reliability, and ballistic testing in order to validate that JLTV prototype vehicles achieve Key Performance Parameter and Key System Attribute thresholds and to support the source selection process for the Production and Deployment (PD) phase. The PD phase contract award will be a single, fixed-price contract for three years of LRIP, with option pricing for five follow-on years of Full Rate Production deliveries. The PD phase contract will also include an option for the procurement of JLTV technical data.

On August 20, 2012, the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)) certified (with one waiver) the provisions set forth in section 2366b of title 10, United States Code. Provision (a)(1) (D) of that section was waived 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. Notification of this waiver was provided to the Chairman of the Senate and House of Representatives Armed Services Committees and Appropriations Committees in which the USD (AT&L) states he has "directed the Army and Marine Corps to fully fund the program." The waiver is currently under review at the Office of the Secretary of Defense.

Fabrication, assembly, and delivery of all 66 prototype vehicles and 18 trailers (22-vehicles and six-trailers from each vendor), along with successful vendor Break-In and Shake-Down Testing is complete. All assets have undergone a Final Inspection Report process and were officially accepted by the Defense Contract Management Agency. Each of the three vendors hosted a pre-Test Readiness Review (TRR) during the month of August 2013. No major issues were identified and it was decided by all stakeholders that each vendor was ready to begin testing on their JLTV vehicles and trailers. On August 21-22, 2013, a Government TRR was held and all three vendors were approved to enter into test. All required vehicles and trailers arrived at their respective tests sites and successfully underwent initial inspection, instrumentation and systems checks. Multiple Tester training sessions were conducted in preparation for the start of Government testing which began on September 15, 2013. Various performance tests are underway and JLTVs are in the process of accumulating Reliability, Availability, and Maintainability (RAM) miles at Aberdeen Test Center and Yuma Test Center. Government Ballistic Testing also commenced on November 15, 2013. Contractor Performed Government Testing was completed on November 12, 2013 and all associated test assets have been shipped to the test sites to support the continuation of Government testing. Each of the three EMD phase vendors successfully executed Manufacturing Readiness Assessments which were conducted in October and November 2013.

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-McC	urdy Breache	S		
Current UCR B	aseline			
	PAUC	None		
	APUC	None		
Original UCR E	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	JUL 2015	(Ch-1)
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	

Change Explanations

(Ch-1) The current estimate for Milestone C changed from May 2015 to July 2015 to better align Milestone C decision with the planned Source Selection down select decision. The planned LRIP contract award in July 2015 remains unchanged.

Memo

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

Acronyms and Abbreviations

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

Performance

Characteristics	SAR Baseline Dev Est	Curre Develo Objective	nt APB opment /Threshold	Demonstrated Performance	Current Estimate
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	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	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	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	hacad an	based on	bacad an
Daseu UII	Daseu OII		based off
integrated	integrated	Integrated	Integrated
DoDAF	DoDAF	DoDAF	DoDAF
content, and	content, and	content, and	content, and
must satisfy	must satisfy	must satisfy	must satisfy
the technical	the technical	the technical	the technical
requirements	requirements	requirements	requirements
for transition	for transition	for transition	for transition
to Net-	to Net-	to Net-	to Net-
Centric	Centric	Centric	Centric
militarv	military	military	military
operations	operations	operations	operations
to include: 1)	to include: 1)	to include: 1)	to include: 1)
Solution	Solution	Solution	Solution
architecture	architecture	architecture	architecture
products	products	products	products
compliant	compliant	compliant	compliant
with DoD	with DoD	with DoD	with DoD
Enternrise	Enterprise	Enterprise	Enterprise
Architecture	Architecture	Architecture	Architecture
hased on	hased on	hased on	hased on
integrated	integrated	integrated	integrated
contont	contont	contont	contont
ipoluding	including	including	ipoluding
apooified	apposition	eposified	apooified
specified	specified	specified	specified
	operationally		operationally
enective	enective		effective
information	information	Information	information
exchanges,	exchanges,	exchanges,	exchanges,
2) Compliant	2) Compliant	2) Compliant	2) Compliant
with Net-	with Net-	with Net-	with Net-
Centric Data	Centric Data	Centric Data	Centric Data
Strategy and	Strategy and	Strategy and	Strategy and
Net-Centric	Net-Centric	Net-Centric	Net-Centric
Services	Services	Services	Services
Strategy,	Strategy,	Strategy,	Strategy,
and the	and the	and the	and the
principles	principles	principles	principles
and rules	and rules	and rules	and rules
identified in	identified in	identified in	identified in
the DoD	the DoD	the DoD	the DoD
IEA,	IEA,	IEA,	IEA,
excepting	excepting	excepting	excepting
tactical and	tactical and	tactical and	tactical and
non-IP	non-IP	non-IP	non-IP
communica-	communica-	communica-	communica-
tions, 3)	tions, 3)	tions, 3)	tions, 3)
Compliant	Compliant	Compliant	Compliant
with GIG	with GIG	with GIG	with GIG
Technical	Technical	Technical	Technical

	Guidance to include IT Standards identified in the TV-1 and implementati on 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, authenticat- ion, confidential- ity, and non- repudiation, and issuance of an ATO by the DAA, and 5) Supportabil- ity requirements to include SAASM, Spectrum and JTRS require-	Guidance to include IT Standards identified in the TV-1 and implementati on 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, authenticat- ion, confidential- ity, and non- repudiation, and issuance of an ATO by the DAA, and 5) Supportabil- ity requirements to include SAASM, Spectrum and JTRS require-	Guidance to include IT Standards identified in the TV-1 and implementati on 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, authenticat- ion, confidential- ity, and non- repudiation, and issuance of an IATO or ATO by the DAA, and 5) Supportabil- ity requirements to include SAASM, Spectrum and JTRS require-		Guidance to include IT Standards identified in the TV-1 and implementati on 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, authentica- tion, confidential- ity, and non- repudiation, and issuance of an ATO by the DAA, and 5) Supportabil- ity requirements to include SAASM, Spectrum and JTRS requirements	
	ments.	ments.	ments.			
Sustainment KPP	(vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have	(vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have	(vehicle only) shall have an Ao of 95%. JLTV FoV (vehicle only) shall have a	טפו	(vehicle only) should have an Ao 98%. JLTV FoV (vehicle only) should have	

	a Am of 85%.	a Am of 85%.	Am of 80%.		a Am of 85%.
System Training KPP	The JLTV	The JLTV	The JLTV	TBD	The JLTV
	shall have	shall have	shall have		shall have
	training for	training for	training for		training for
	operators	operators	operators		operators
	and	and	and		and
	maintainers	maintainers	maintainers		maintainers
	that	that	that		that
	incorporates	incorporates	incorporates		incorporates
	and	and	and		and
	leverages	leverages	leverages		leverages
	existing	training	existing		existing
	toobniquos	toobniquos	techniques		teeboiguee
	methods	methods	methods		methods
	resources	resources	resources		resources
	and	and	and		and
	licensing	licensing	licensing		licensing
	requirements	requirements	requirements		requirements
	of each	of each	of each		of each
	Service.	Service.	Service.		Service.
	JLTV	JLTV	JLTV		JLTV
	training shall	training shall	training shall		training shall
	include in-	include in-	include in-		include in-
	vehicle	vehicle	vehicle		vehicle
	training to	training to	training to		training to
	encompass	encompass	encompass		encompass
	demonstrat-	demonstrat-	demonstrat-		demonstrat-
	ing a	ing a	ing a		ing a
	capability to	capability to	capability to		capability to
	negoliale	negotiate	negoliale		negoliale
	relevant	relevant	relevant		relevant
	terrain	terrain	terrain		terrain
	profiles	nrofiles	profiles		profiles
	which	which	which		which
	include	include	include		include
	basic	basic	basic		basic
	organic	organic	organic		organic
	vehicle	vehicle	vehicle		vehicle
	instrumenta-	instrumenta-	instrumenta-		instrumenta-
	tion, controls	tion, controls	tion, controls		tion, controls
	and crew	and crew	and crew		and crew
	drills.	drills.	drills.		drills.
Mobility KPP	The JLTV	The JLTV	The JLTV	TBD	The JLTV
	mobility shall	mobility shall	mobility shall		mobility shall
	support	support	support		support
	continuous	continuous	continuous		continuous
	operation	operation	operation		operation
	across	across	across		across
	worldwide	worldwide	worldwide		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, & crosscountry 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.	threshold applies within the confidence bounds of established soft soil test procedures.	threshold applies within the confidence bounds of established soft soil test procedures.		threshold applies within the 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 @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high- hot @ GVW, USA: 1x CH- 47F 50nm 4k/95F @ GVW, USA: 1x CH- 47F 50nm	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 @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high- hot @ GVW, USA: 1x CH- 47F 50nm	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	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 @ ECC Heavy Guns Carrier – USMC: 2x CH-53K 40nm high- hot @ GVW, USA: 1x CH- 47F 50nm



30nm IAT	30nm IAT	40nm high-	30nm IAT
4k/95F @	4k/95F @	hot @ ECC,	4k/95F @
ECC Close	ECC Close	USA: 1x CH-	ECC Close
Combat	Combat	47F 50nm	Combat
Weapons	Weapons	SL/SD @	Weapons
Carrier –	Carrier –	FCC Utility	Carrier –
USMC: 2x		(2 Seat) -	USMC: 2x
CH-53K	CH-53K	LISMC: 2x	CH-53K
40nm high-	40nm high-	CH-53K	40nm high-
hot @ C\/W		40nm high	hot @ C\/W
		hot @ ECC	
47F 50nm	47F 50nm	USA: IX CH-	47F 50nm
4K/95F @	4K/95F @	47F 50nm	4K/95F @
GVW, USA:	GVW, USA:	SL/SD @	GVW, USA:
1x MH-47	1x MH-47	ECC Shelter	1x MH-47
30nm IA I	30nm IA I	Carrier – Not	30nm IA I
4k/95F @	4k/95F @	a KPP Note:	4k/95F @
ECC Utility	ECC Utility	Range,	ECC Utility
(2 Seat) –	(2 Seat) –	Temperature,	(2 Seat) –
USMC: 2x	USMC: 2x	and	USMC: 2x
CH-53K	CH-53K	Pressure	CH-53K
40nm high-	40nm high-	Data: 1) CH-	40nm high-
hot @ GVW,	hot @ GVW,	53K: Navy	hot @ GVW,
USA: 1x CH-	USA: 1x CH-	High Hot:	USA: 1x CH-
47F 50nm	47F 50nm	91.5 deg	47F 50nm
4k/95F @	4k/95F @	F/33 deg C,	4k/95F @
GVW, USA:	GVW, USA:	3000ft. 40	GVW, USA:
1x MH-47	1x MH-47	nm; sea-	1x MH-47
30nm IAT	30nm IAT	level take off	30nm IAT
4k/95F @	4k/95F @	& landing 2)	4k/95F @
ECC Shelter	ECC Shelter	CH-47F high	ECC Shelter
Carrier – Not	Carrier – Not	hot: 95 F /	Carrier – Not
a KPP Note:	a KPP Note:	35 deg C.	a KPP Note:
Range,	Range,	4,000 ft,	Range,
Temperature,	Temperature,	50nm 3) CH-	Temperature,
and	and	47F SL/SD:	and
Pressure	Pressure	Sea Level /	Pressure
Data: 1) CH-	Data: 1) CH-	Standard	Data: 1) CH-
53K: Navv	53K: Navv	Day (70 F).	53K: Navv
High Hot:	High Hot:	50 nm	High Hot:
91.5 dea	91.5 dea	Sealift:	91.5 dea
F/33 dea C.	F/33 dea C.	Transport by	F/33 dea C.
3000ft. 40	3000ft. 40	sea is an	3000ft, 40
nm: sea-	nm: sea-	essential	nm: sea-
level take off	level take off	part of force	level take off
& landing 2)	& landing 2)	deployment	& landing 2)
CH-47F high	CH-47F high	and a	CH-47F high
hot: 95 F /	hot: 95 F /	hallmark	hot: 95 F /
35 deg C	35 deg C	aspect of	35 deg C
4 000 ft	4.000 ft	USMC	4,000 ft
50nm 3) CH-	50nm 3) CH-	Expedi-	50nm 3) CH-
35 deg C, 4,000 ft, 50nm 3) CH-	35 deg C, 4,000 ft, 50nm 3) CH-	aspect of USMC Expedi-	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 Expedi- tionary 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 HMMVV/s are loaded, including height restricted deck spaces of the MPF MPS and amphibious class ships.	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 Expedi- tionary 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.	tionary 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.		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.
Payload KPP	Combat Tactical Vehicles (CTVs	Combat Tactical Vehicles (CTVs	Combat Tactical Vehicles (CTVs	IBD	Combat Tactical Vehicles (CTVs

including GP, HGC, and CCWC should have an on vehicl payload of 5100. CSVs including Utility/Prime Movers and Shelter Carriers: 11,000; Trailers: 6,000. Shelter carrier variants sha transport the S250 LWMS, S- 788 SICPS RWS, SECM, and other Data Interchange shelters within the payload capabilities of the variant, current as or June 2011.	including GP, HGC, and CCWC) should have an on vehicle payload of 5 5100. CSVs including Utility/Prime Movers and Shelter Carriers: 11,000; Trailers: 6,000. Shelter carrier II variants shall transport the S250 LWMS, S- 788 SICPS RWS, SECM, and other Data Interchange shelters within the payload capabilities of the variant, f current as of June 2011.	including GP, HGC, and CCWC) shall have an on vehicle payload of 3500lbs. CSVs including Utility/Prime Movers and Shelter Carriers: 5100; Trailers: 3500 for CTV variants; 5100 for CTV 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.		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.	
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Classified Performance information is provided in the classified annex to this submission.

Requirements Source

Capability Development Document (CDD) dated March 15, 2012

Change Explanations

None

Acronyms and Abbreviations

Am - Materiel Availability Ao - Operational Availability ATO - Approval to Operate C - Celsius **CCWC - Close Combat Weapons Carrier CDD** - Capability Development Document 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 SSP - System Support Package TV-1 - Technical Standards Profile USA - U.S. Army

USMC - U.S. Marine Corps

Track to Budget

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

Арр	n	BA	PE
Navy	Navy <u>1109 05</u>		0206211M
	Line Item		Name
5095			Joint Light Tactical Vehicle
	Notes:		Funding starts FY 2015
Army	2035	01	0216300A

JLTV

Line Item	Name
D15603	Joint Light Tactical Vehicle
Notes:	Funding starts FY 2015

Cost and Funding

Cost Summary

	B	Y2012 \$M		BY2012 \$M			
Appropriation	SAR Baseline Dev Est	Curren Develo Objective/	Current APB Development Dbjective/Threshold		SAR Baseline Dev Est	Current APB Development Objective	Current Estimate
RDT&E	962.3	962.3	1058.5	930.5	1009.8	1009.8	984.5
Procurement	21782.0	21782.0	23960.2	21715.1	29359.4	29359.4	30041.4
Flyaway				20675.1			28674.0
Recurring				19025.7			26391.0
Non Recurring				1649.4			2283.0
Support				1040.0			1367.4
Other Support				886.2			1162.1
Initial Spares				153.8			205.3
MILCON	0.0	0.0		0.0	0.0	0.0	0.0
Acq O&M	35.9	35.9	39.5	0.0	39.5	39.5	0.0
Total	22780.2	22780.2	N/A	22645.6	30408.7	30408.7	31025.9

Total Acquisition Cost and Quantity

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 FY2015 President's Budget / December 2013 SAR (TY\$ M)										
Appropriation	Prior	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	To Complete	Total	
RDT&E	555.3	134.6	57.2	67.0	49.5	5.4	5.2	110.3	984.5	
Procurement	0.0	0.0	172.1	387.4	746.8	1364.4	1720.0	25650.7	30041.4	
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	0.0	0.0	
PB 2015 Total	555.3	134.6	229.3	454.4	796.3	1369.8	1725.2	25761.0	31025.9	
PB 2014 Total	577.3	134.6	260.1	478.7	799.4	1373.1	1773.3	25711.7	31108.2	
Delta	-22.0	0.0	-30.8	-24.3	-3.1	-3.3	-48.1	49.3	-82.3	

Quantity	Undistributed	Prior	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	To Complete	Total
Development	131	0	0	0	0	0	0	0	0	131
Production	0	0	0	181	503	1098	2567	3204	47046	54599
PB 2015 Total	131	0	0	181	503	1098	2567	3204	47046	54730
PB 2014 Total	131	0	0	183	559	1121	2600	3257	46879	54730
Delta	0	0	0	-2	-56	-23	-33	-53	167	0

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							59.2
2014							84.2
2015							45.7
2016							32.7
2017							25.8
2018							3.2
2019							3.1
2020							2.0
2021							2.0
2022							2.1
2023							5.3
2024							7.1
2025							4.4
2026							4.5
2027							4.6
2028							5.7
2029							7.8
2030							4.9
2031							5.0
2032							5.1
2033							6.2

Subtotal	72	 	 	 628.2
2039		 	 	 5.7
2038		 	 	 6.9
2037		 	 	 5.6
2036		 	 	 5.5
2035		 	 	 5.4
2034		 	 	 8.6

Annual Funding BY\$

2040 RDT	F&E Res	search, D	Development,	Test,	, and Evalua	ation, Army
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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							33.4
2012							83.1
2013							57.2
2014							79.3
2015							42.1
2016							29.5
2017							22.8
2018							2.8
2019							2.6
2020							1.7
2021							1.6
2022							1.7
2023							4.2
2024							5.5
2025							3.3
2026							3.3
2027							3.3
2028							4.1
2029							5.4
2030							3.4
2031							3.4
2032							3.4
2033							4.0
2034							5.4
2035							3.3
2036							3.3

2037		 	 	 3.5
2030		 	 	 4.0
Subtotal	72	 	 	 582.0

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							35.6
2014							50.4
2015							11.5
2016							34.3
2017							23.7
2018							2.2
2019							2.1
2020							2.0
2021							2.0
2022							1.9
Subtotal	59						356.3

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							18.3
2012							44.2
2013							34.4
2014							47.9
2015							10.7
2016							31.4
2017							21.2
2018							1.9
2019							1.8
2020							1.7
2021							1.7
2022							1.5
Subtotal	59						348.5

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	176	89.9		61.3	151.2	13.4	164.6
2016	412	181.2		110.0	291.2	19.6	310.8
2017	858	463.4		78.4	541.8	61.9	603.7
2018	1455	701.4		48.3	749.7	94.2	843.9
2019	1879	897.7		56.9	954.6	147.2	1101.8
2020	2196	1055.4		61.3	1116.7	183.7	1300.4
2021	2200	1045.5		55.5	1101.0	51.3	1152.3
2022	2200	1058.1		75.6	1133.7	47.6	1181.3
2023	2200	1067.7		74.3	1142.0	55.4	1197.4
2024	2200	1076.3		81.0	1157.3	47.7	1205.0
2025	2200	1048.2		85.3	1133.5	40.8	1174.3
2026	2200	1020.0		77.3	1097.3	37.9	1135.2
2027	2200	991.1		83.6	1074.7	35.3	1110.0
2028	2200	1001.9		80.6	1082.5	36.7	1119.2
2029	2200	1019.1		87.6	1106.7	34.7	1141.4
2030	2200	1038.6		92.7	1131.3	35.5	1166.8
2031	2200	1044.6		83.1	1127.7	36.2	1163.9
2032	2200	1061.1		90.5	1151.6	36.7	1188.3
2033	2200	1088.7		83.6	1172.3	37.4	1209.7
2034	2200	1095.1		93.0	1188.1	38.2	1226.3
2035	2200	1108.4		98.6	1207.0	39.0	1246.0
2036	2200	1124.4		87.1	1211.5	39.9	1251.4
2037	2200	1143.6		89.0	1232.6	40.8	1273.4
2038	2200	1168.7		88.3	1257.0	41.3	1298.3
2039	1959	1056.4		82.0	1138.4	37.7	1176.1
2040	564	321.8		82.1	403.9	11.7	415.6
2041				25.4	25.4	1.0	26.4
2042				24.4	24.4	1.1	25.5
Subtotal	49099	23968.3		2136.8	26105.1	1303.9	27409.0

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

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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	176	82.7		56.4	139.1	12.3	151.4
2016	412	163.4		99.1	262.5	17.7	280.2
2017	858	409.6		69.4	479.0	54.7	533.7
2018	1455	607.9		41.9	649.8	81.6	731.4
2019	1879	762.7		48.3	811.0	125.1	936.1
2020	2196	879.1		51.1	930.2	153.0	1083.2
2021	2200	853.8		45.3	899.1	41.9	941.0
2022	2200	847.2		60.5	907.7	38.1	945.8
2023	2200	838.1		58.3	896.4	43.5	939.9
2024	2200	828.3		62.3	890.6	36.7	927.3
2025	2200	790.8		64.4	855.2	30.8	886.0
2026	2200	754.5		57.2	811.7	28.0	839.7
2027	2200	718.7		60.6	779.3	25.6	804.9
2028	2200	712.3		57.3	769.6	26.1	795.7
2029	2200	710.3		61.1	771.4	24.2	795.6
2030	2200	709.7		63.4	773.1	24.2	797.3
2031	2200	699.8		55.6	755.4	24.3	779.7
2032	2200	696.9		59.5	756.4	24.1	780.5
2033	2200	701.0		54.0	755.0	24.0	779.0
2034	2200	691.3		58.8	750.1	24.1	774.2
2035	2200	686.0		61.1	747.1	24.1	771.2
2036	2200	682.3		52.8	735.1	24.2	759.3
2037	2200	680.3		53.0	733.3	24.2	757.5
2038	2200	681.6		51.5	733.1	24.1	757.2
2039	1959	604.0		47.0	651.0	21.5	672.5
2040	564	180.4		46.0	226.4	6.6	233.0
2041				14.0	14.0	0.5	14.5
2042				13.1	13.1	0.6	13.7
Subtotal	49099	16972.7		1523.0	18495.7	985.8	19481.5

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	5	2.5		4.2	6.7	0.8	7.5
2016	91	42.1		33.3	75.4	1.2	76.6
2017	240	110.1		23.9	134.0	9.1	143.1
2018	1112	492.0		19.6	511.6	8.9	520.5
2019	1325	582.7		21.4	604.1	14.1	618.2
2020	1340	585.7		20.9	606.6	13.9	620.5
2021	1340	585.9		18.2	604.1	13.1	617.2
2022	47	21.7		3.7	25.4	1.1	26.5
2023				0.7	0.7	0.6	1.3
2024				0.3	0.3	0.7	1.0
Subtotal	5500	2422.7		146.2	2568.9	63.5	2632.4

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	5	2.3		3.9	6.2	0.7	6.9
2016	91	38.1		30.2	68.3	1.1	69.4
2017	240	97.8		21.2	119.0	8.1	127.1
2018	1112	428.5		17.0	445.5	7.8	453.3
2019	1325	497.6		18.2	515.8	12.1	527.9
2020	1340	490.3		17.5	507.8	11.6	519.4
2021	1340	480.9		14.8	495.7	10.8	506.5
2022	47	17.5		2.9	20.4	0.9	21.3
2023				0.5	0.5	0.5	1.0
2024				0.2	0.2	0.6	0.8
Subtotal	5500	2053.0		126.4	2179.4	54.2	2233.6

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

The United States Marine Corps quantities above are slightly different than program budget documents and reflect adjustments for consistency with Army's full funding policy.

Low Rate Initial Production

	Initial I RIP Decision	Current Total I RIP
Approval Date	8/20/2012	8/20/2012
Approved Quantity	3100	3100
Reference	Milestone B Acquisition Decision Memorandum (ADM)	Milestone B ADM
Start Year	2015	2015
End Year	2017	2017

Foreign Military Sales

None

Nuclear Costs

None

Unit Cost

Unit Cost Report

	BY2012 \$M	BY2012 \$M	
Unit Cost	Current UCR Baseline (OCT 2012 APB)	Current Estimate (DEC 2013 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	22780.2	22645.6	
Quantity	54730	54730	
Unit Cost	0.416	0.414	-0.48
Average Procurement Unit Cost (APUC	C)		
Cost	21782.0	21715.1	
Quantity	54599	54599	
Unit Cost	0.399	0.398	-0.25
	BY2012 \$M	BY2012 \$M	
Unit Cost	BY2012 \$M Original UCR Baseline (OCT 2012 APB)	BY2012 \$M Current Estimate (DEC 2013 SAR)	BY % Change
Unit Cost Program Acquisition Unit Cost (PAUC)	BY2012 \$M Original UCR Baseline (OCT 2012 APB)	BY2012 \$M Current Estimate (DEC 2013 SAR)	BY % Change
Unit Cost Program Acquisition Unit Cost (PAUC) Cost	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6	BY % Change
Unit Cost Program Acquisition Unit Cost (PAUC) Cost Quantity	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2 54730	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6 54730	BY % Change
Unit Cost Program Acquisition Unit Cost (PAUC) Cost Quantity Unit Cost	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2 54730 0.416	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6 54730 0.414	BY % Change -0.48
Unit Cost Program Acquisition Unit Cost (PAUC) Cost Quantity Unit Cost Average Procurement Unit Cost (APUC)	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2 54730 0.416	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6 54730 0.414	BY % Change -0.48
Unit Cost Program Acquisition Unit Cost (PAUC) Cost Quantity Unit Cost Average Procurement Unit Cost (APUC) Cost	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2 54730 0.416 C) 21782.0	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6 54730 0.414 21715.1	BY % Change -0.48
Unit Cost Program Acquisition Unit Cost (PAUC) Cost Quantity Unit Cost Average Procurement Unit Cost (APUC Cost Quantity	BY2012 \$M Original UCR Baseline (OCT 2012 APB) 22780.2 54730 0.416 C) 21782.0 54599	BY2012 \$M Current Estimate (DEC 2013 SAR) 22645.6 54730 0.414 21715.1 54599	BY % Change -0.48

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	DEC 2012	0.415	0.399	0.568	0.551
Current Estimate	DEC 2013	0.414	0.398	0.567	0.550

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)

Initial PAUC	Changes							PAUC	
Dev Est	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	Current Est
0.556	0.013	0.000	0.000	0.000	-0.002	0.000	0.000	0.011	0.567

Initial APUC Changes							APUC		
Dev Est	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	Current Est
0.538	0.014	0.000	0.000	0.000	-0.001	0.000	0.000	0.013	0.550

Current SAR Baseline to Current Estimate (TY \$M)

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	JUL 2015
IOC	N/A	MAY 2018	N/A	MAY 2018
Total Cost (TY \$M)	N/A	30408.7	N/A	31025.9
Total Quantity	N/A	54730	N/A	54730
Prog. Acq. Unit Cost (PAUC)	N/A	0.556	N/A	0.567

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	+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			
Current Changes								
Economic	-4.3	+4.9		-0.1	+0.5			
Quantity								
Schedule	-16.7	-12.6			-29.3			
Engineering								
Estimating	+4.6	-31.2		-20.2	-46.8			
Other								
Support		-6.7			-6.7			
Subtotal	-16.4	-45.6		-20.3	-82.3			
Total Changes	-25.3	+682.0		-39.5	+617.2			
CE - Cost Variance	984.5	30041.4			31025.9			
CE - Cost & Funding	984.5	30041.4			31025.9			

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	+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		
Current Changes							
Economic							
Quantity							
Schedule	-16.5	-23.9			-40.4		
Engineering							
Estimating	+4.1	-28.1		-17.2	-41.2		
Other							
Support		-5.7			-5.7		
Subtotal	-12.4	-57.7		-17.2	-87.3		
Total Changes	-31.8	-66.9		-35.9	-134.6		
CE - Cost Variance	930.5	21715.1			22645.6		
CE - Cost & Funding	930.5	21715.1			22645.6		

Previous Estimate: December 2012

RDT&E	\$N	Λ
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-4.3
Adjustment for current and prior escalation. (Estimating)	+3.1	+3.2
Update to reflect actual costs for Government Furnished Equipment (GFE) (Army). (Estimating)	+0.8	+1.2
Update to reflect actual costs for GFE (Navy). (Estimating)	+0.2	+0.2
Funding decrement due to FY 2013 Sequestration (Army). (Schedule)	-5.3	-5.3
Net funding change due to FY 2013 Congressional reduction, FY 2015 PB adjustments, and long-term impacts of FY 2013 Sequestration which resulted in an update to the Engineering and Manufacturing Development (EMD) test schedule (Army). (Schedule)	+0.3	+0.3
Net funding decrement due to FY 2013 Congressional reduction and FY 2015 PB adjustments which resulted in an update to the EMD test schedule (Navy). (Schedule)	-11.5	-11.7
RDT&E Subtotal	-12.4	-16.4

Procurement	\$N	Λ
	Base	Then
Current Change Explanations	Year	Year
Revised escalation indices. (Economic)	N/A	+4.9
Change in phasing of vehicle procurement schedule (Army). (Schedule)	0.0	+20.9
Change in phasing of vehicle procurement schedule (Navy). (Schedule)	0.0	+2.8
Additional schedule variance due to updated configuration mix and procurement schedules for vehicle kits (Army). (Schedule)	-16.0	-27.1
Additional schedule variance due to updated configuration mix and procurement schedules for vehicle kits (Navy). (Schedule)	-7.9	-9.2
Contractor System Technical Support (STS) changes due to date of LRIP contract award (Army). (Estimating)	-14.6	-16.1
Contractor STS changes due to date of LRIP contract award (Navy). (Estimating)	-2.4	-2.5
Reductions in Government Systems Engineering and Program Management (SEPM) due to down select and program efficiencies (Army). (Estimating)	-4.6	-6.7
Changes in Government SEPM due to down select and program efficiencies (Navy). (Estimating)	+0.1	+0.2
One-time adjustment to cost sharing by Service in System Test & Evaluation (Army). (Estimating)	+13.5	+16.0
One-time adjustment to cost sharing by Service in System Test & Evaluation (Navy). (Estimating)	-15.7	-17.3
Removal of Follow-On Reliability, Availability, and Maintainability (RAM) Test costs and System Support Package (SSP) for Follow-On RAM Tests (Army). (Estimating)	-2.2	-2.4
Removal of Follow-On RAM Test costs and SSP for Follow-On RAM Tests (Navy). (Estimating)	-2.2	-2.4
Update in Other Support (e.g., Interim Contractor Logistics Support (ICLS), New Equipment Training, and Tech Manual Development) due to production schedule adjustment including decrease in the number of vehicles operating during ICLS (Army). (Support)	-3.7	-3.5

Update in Other Support (Navy). (Support)	-0.9	-1.8
Update in Initial Spares (Army). (Support)	-1.0	-1.0
Update in Initial Spares (Navy). (Support)	-0.1	-0.4
Procurement Subtotal	-57.7	-45.6

Acq O&M	\$1	N
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-0.1
Removed due to funding source error. United States Marine Corps USMC) civilian PM support during the Investment Phase is funded with O&M. However USMC PM will not directly receive the Acquisition O&M funding because it is funded through higher headquarters (Navy). (Estimating)	-17.2	-20.2
Acq O&M Subtotal	-17.2	-20.3

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 Co	ntract Price ((\$M)	Current Contract Price (\$M) Estimated Price at Completie			rice at Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
63.9	N/A	22	63.8	N/A	22	63.8	63.8

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the partial de-scoping of contractor Reliability, Availability, and Maintainability / Shakedown testing and the additon of Development Test and Operational Test operator / crew training.

Cost and Schedule Variance Explanations

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

Contract Comments

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

Appropriation: RDT&EContract NameJLTV EMD Phase PD CContractorLockheed Martin CorporationContractor Location1701 W Marshall Dr.
Grand Prairie, TX 75051-2704Contract Number, TypeW56HZV-12-C-0262, FFPAward DateAugust 22, 2012Definitization DateAugust 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	65.1	N/A	22	65.1	65.1

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the partial de-scoping of contractor Reliability, Availability, and Maintainability / Shakedown testing and the additon of Development Test and Operational Test operator / crew training.

Cost and Schedule Variance Explanations

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

Contract Comments

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

JLTV

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	55.7	N/A	22	55.7	55.7

Target Price Change Explanation

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the partial de-scoping of contractor Reliability, Availability, and Maintainability / Shakedown testing and the additon of Development Test and Operational Test operator / crew training.

Cost and Schedule Variance Explanations

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

Contract Comments

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

Delivered to Date	Plan to Date	Actual to Date	Total Quantity	Percent Delivered
Development	90	90	131	68.70%
Production	0	0	54599	0.00%
Total Program Quantity Delivered	90	90	54730	0.16%

Expended and Appropriated (TY \$M)					
Total Acquisition Cost	31025.9	Years Appropriated	7		
Expended to Date	533.8	Percent Years Appropriated	20.00%		
Percent Expended	1.72%	Appropriated to Date	689.9		
Total Funding Years	35	Percent Appropriated	2.22%		

The above data is current as of 2/28/2014.

Operating and Support Cost

JLTV

Assumptions and Ground Rules

Cost Estimate Reference:

- Joint Cost Position (JCP) source: Automated Cost Estimating Integrated Tools / "JLTV MS B JCP FINAL, version 42", dated July 12, 2012.

- Defense Acquisition Executive APB dated October 23, 2012.
- Final Version of the Cost Analysis Requirements Description V0.AA.D17, dated July 27, 2012.
- Requirements Source: Capability Development Document version 3.6, dated March 15, 2012.

Sustainment Strategy:

- Reflects peacetime Operational Tempo (OPTEMPO) as identified by sub-configuration by G-3/5/7 Training for Army and in JLTV Operation Mode Summary & Mission Profile for the United States Marine Corps (USMC). Reduced OPTEMPO used for Army Training and Army Prepositioned Stock units and inactive USMC units.

- Procurement Quantity: 54,599 (49,099: Army / 5,500: USMC).
- Economic Useful Life: 20-Years.
- Total Operational Vehicle Years: 1,091,980.

- 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 LRIP (FY 2016) until 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 ten years. Of the operational vehicles that are older than ten years, 2.4-percent 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.

- Antecedent Sources: JLTV Analysis of Alternatives and Army Product Manager Light Tactical Vehicles.

Unitized O&S Costs BY2012 \$K					
Cost Element	JLTV Average Annual \$ per Vehicle	HMMWV (Antecedent) Average Annual \$ per Vehicle			
Unit-Level Manpower	8.700	8.700			
Unit Operations	5.300	5.800			
Maintenance	12.200	7.100			
Sustaining Support	1.200	1.200			
Continuing System Improvements	1.700	0.800			
Indirect Support	0.000	0.000			
Other	0.000	0.000			
Total	29.100	23.600			

Unitized Cost Comments:

- Reflects peacetime operations.

- Excludes Government Furnished Equipment (GFE) Consumable and Reparable costs because it was decided at the Joint Cost Review Board on May 15, 2012 to exclude GFE procurement & sustainment from program costs in the Joint Cost Position / APB.

- Unitized O&S Cost = Total O&S Costs / Total Operational Vehicle Years

where Total Operational Vehicle Years = Total Operating Vehicles * Economic Useful Life

	Total O&S Cost \$M				
	Current Development APB Objective/Threshold		Current Estimate		
	JLTV		JLTV	HMMWV (Antecedent)	
Base Year	31728.7	34901.6	31747.7	25800.9	
Then Year	50630.5	N/A	53330.3	46088.2	

Total O&S Costs Comments:

O&S Cost Variance						
Category	Base Year 2012 \$M	Change Explanation				
Prior SAR Total O&S Estimate - DEC 2012	31,708.428					
Cost Estimating Methodology	0.000					
Cost Data Update	+21.874	Prior year inflation indices adjustment impact on input variables.				
Labor Rate	0.000					
Energy Rate	0.000					
Technical Input	0.000					
Programmatic/Planning Factors	+17.387	O&S impacts resulting from changes in Procurement Schedules of vehicles and kits.				
Other	0.000					
Total Changes	+39.261					
Current Estimate	31,747.689					

Disposal Costs:

- Total Demilitarization Cost: \$158.7M (BY\$ 2012) which includes costs for disposal and transportation associated with disposal of JLTVs.