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Québec
K1A 0C9
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LETTER OF INTEREST
LETTRE D'INTÉRÊT

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Armoured Vehicles Support/Soutien des véhicules blindés
11 Laurier St./11, rue Laurier
Place du Portage Phase III 6C1
Gatineau
Québec
K1A 0S5

Title - Sujet LTV - LOI/RFI	
Solicitation No. - N° de l'invitation W8476-246786/B	Date 2024-03-07
Client Reference No. - N° de référence du client W8476-246786	GETS Ref. No. - N° de réf. de SEAG PW-\$\$BL-319-29296
File No. - N° de dossier 319bl.W8476-246786	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2024-03-27 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Riccardo Panarella	Buyer Id - Id de l'acheteur 319bl
Telephone No. - N° de téléphone (343) 573-0884 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CPO1 ADM (Mat) DGMEPM/DGLEPM/DGAEPM ON CANADA	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Light Tactical Vehicle - Request for Information

Reference A : **LTV RFI/A (includes technical information)**
<https://canadabuyss.canada.ca/en/tender-opportunities/tender-notice/pw-bl-319-29215>

The purpose of the RFI/B is to:

- 1) Release a draft LTV System Requirement Specification (SRS) for Industry review and feedback. Public Services and Procurement Canada (PSPC) would appreciate a quick turnaround time in order to support the proposed RFP release date below.

- 2) Provide Procurement Updates:

a. Update Project Schedule

	Events	Timeline
a)	Request for Proposal (Canada Buys) (solicitation period will be approx.. 30 calendar days)	end March 2024
b)	Contract Award	June 2024
c)	Initial Operating Capability (IOC)	August 2024
d)	Full Operating Capability (FOC)	Summer 2025

b. Updated LTV Deliverables. Please check the draft SRS for full details

For Industry awareness, below are some of the more notable deliverable changes:

- i. Firm requirement for 90 vehicles (54 LTV-Personnel and 36 LTV-Cargo);
- ii. Option to buy additional vehicles (LTV-P and LTV-C); and
- iii. Removal of the trailer requirements.

c. Updated LTV Requirements (as per the SRS)

For Industry awareness, below are some of the more notable requirement changes:

LTV-SRS-019	The Bidder must deliver 35 LTV vehicles (any mix of the two LTV variants) FCA Plant no later than seven (7) weeks after Contract award (WACA).	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-020	The Bidder should deliver 35 LTV vehicles (any mix of the two (2) LTV variants) FCA Plant no later than five (5) WACA	Rated	POC	<p>Must provide a delivery schedule showing the vehicle availability dates based on number of days after Contract Award</p> <p>Delivery dates offered as part of this rated requirement will become a mandatory requirement of the Contract.</p>	<p>A maximum of 1 points can be awarded.</p> <p>0 points will be awarded for complete delivery of IOC vehicles.</p> <p>1 point will be awarded for complete delivery of all IOC vehicles before the end of the 5th week after Contract award date.</p>

SYSTEM REQUIREMENTS SPECIFICATION
FOR THE
LIGHT TACTICAL VEHICLE (LTV)



NOTICE
This documentation has been reviewed by the technical authority and does not contain controlled goods.
Disclosure notices and handling instructions originally received with the document must continue to apply.

AVIS
Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis
de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-001	1 General	Header			
LTV-SRS-002	1.1 Purpose	Header			
LTV-SRS-003	The purpose of this document is to define the technical specifications and performance parameters required to meet the requirements of the Tactical Mobility Platforms (LTVs) being acquired for use by the Department of National Defence (DND).	Info	N/A	N/A	N/A
LTV-SRS-004	The LTV-Personnel (LTV-P) is a fleet of tactical mobility vehicles designed to rapidly move Light Forces operators equipped with personal protective equipment, personal weapons, and combat supplies in complex terrain.	Info	N/A	N/A	N/A
LTV-SRS-005	LTV-Cargo (LTV-C) is a fleet of tactical mobility vehicles that is configured to carry larger volumes of cargo than the LTV-P in support of operations in complex terrain.	Info	N/A	N/A	N/A
LTV-SRS-006	"LTV" refers to both the LTV-P and LTV-C	Info	N/A	N/A	N/A
LTV-SRS-007	1.2 Background	Header			
LTV-SRS-008	The LTVs are required to enhance the tactical manoeuvre capability of the Canadian Army (CA) Light Forces (LF) while conducting assigned missions and tasks. The LTVs will bridge the present tactical manoeuvre capability provided by heavier logistics vehicles and All Terrain Vehicles (ATVs).	Info	N/A	N/A	N/A
LTV-SRS-009	2 Requirements	Header			

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-010	2.1 General	Header			
LTV-SRS-011	The Base LTV Vehicle is defined as the vehicle components including the frame, engine, drive train, axles, transfer case and suspension. The LTV-P and LTV-C variants must share the same Base LTV Vehicle components.	Mandatory	SOC	N/A	N/A
LTV-SRS-012	All requirements must be met by the LTV equipped with tires of identical width and diameter as proposed in the bid and at highway pressure, unless otherwise specified in this document.	Mandatory	SOC	N/A	N/A
LTV-SRS-013	All requirements must be met by the proposed LTV loaded at a minimum payload of 1000 kg, unless otherwise specified in this document.	Mandatory	SOC	N/A	N/A
LTV-SRS-014	LTV must have an open cabin architecture with roll cages to protect all occupants.	Mandatory	SOC	N/A	N/A
LTV-SRS-015	The LTV-P must accommodate up to nine (9) occupants consisting of a standing roof gunner and a minimum of eight (8) seats.	Mandatory	POC	Technical drawings with annotations and optional supporting photographs indicating the number of rows of seats, the number of seats, and the location of the roof gunner's position.	Mandatory - no points allocated
LTV-SRS-016	The LTV-C must have two (2) rows of seating accommodating at least four (4) occupants plus a standing roof gunner.	Mandatory	POC	Technical drawings with annotations and optional supporting photographs indicating the number of rows of seats, the number of seats, and the location of the roof gunner's position.	Mandatory - no points allocated
LTV-SRS-017	2.2 Availability	Header			

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-018	The proposed vehicle must be based off a military vehicle already in service with a North American Treaty Organization (NATO) member country, Australia, or New Zealand.	Mandatory	POC	Bidders must provide a report with the following details about its proposed vehicle: A. The make and model of the proposed LTV and a brief history. B. Which NATO member country(ies), Australia, or New Zealand is/are currently using the proposed LTV. C. The NATO Stock number for the proposed LTV.	Mandatory - no points allocated
LTV-SRS-019	The Bidder must deliver 35 LTV vehicles (any mix of the two (2) LTV variants) FCA Plant no later than seven (7) weeks after Contract award (WACA).	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-020	The Bidder should deliver 35 LTV vehicles (any mix of the two LTV variants) FCA Plant no later than five (5) WACA.	Rated	POC	Must provide a delivery schedule showing the vehicle availability dates based on number of days after Contract Award Delivery dates offered as part of this rated requirement will become a mandatory requirement of the Contract.	A maximum of 1 points can be awarded. 0 points will be awarded for complete delivery of Initial Operational Capability (IOC) vehicles. 1 point will be awarded for complete delivery of all IOC vehicles before the end of the 5 th week after Contract award date.
LTV-SRS-021	The Bidder must deliver all LTV vehicles required to achieve Full Operating Capability (FOC) as defined in the LTV RFP to: 25 Canadian Forces Supply Depot 6363 rue Notre Dame St. E Montreal Quebec H1N 3R9 CANADA Delivery Duty Paid (DDP) no later than by the end of the 12 th month after Contract award.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-022	The Bidder must deliver no more than 15 LTV vehicles per month after the initial 35 LTV vehicles for IOC.	Mandatory	SOC	N/A	Mandatory – no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-023	2.3 Standard Vehicle Specifications and Features	Header			
LTV-SRS-024	2.3.1 Vehicle weight and payload	Header			
LTV-SRS-025	<p>The LTV-P curb weight must be less than 2500 kg as measured according to TOP 2-2-801 Weight Distribution and Ground Pressure (<i>Wheeled and Tracked Vehicles</i>).</p> <p>The curb weight must include the following items: driving mirrors, on-road driving lights, half windshield, automotive fluids, full fuel load, driver's controls, cabin heater, all seats and safety harnesses, full Roll Over Protection System (ROPS) and winch.</p>	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-026	<p>The LTV-C curb weight must be less than 2500 kg as measured in TOP 2-2-801 Weight Distribution and Ground Pressure (<i>Wheeled and Tracked Vehicles</i>).</p> <p>The curb weight must include the following items: driving mirrors, on-road driving lights, half windshield, automotive fluids, full fuel load, driver's controls, cabin heater, all seats and safety harnesses, full ROPS, spare tire, tire changing kit and winch.</p>	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-027	The LTV-P's payload capacity must be a minimum of 1000 kg, calculated by subtracting the curb weight in LTV-SRS-025 from the vehicle OEM gross vehicle weight rating.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-028	The LTV-Cs payload capacity must be a minimum of 1000 kg, calculated by subtracting the curb weight in LTV-SRS-026 from the vehicle OEM gross vehicle weight rating.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-029	2.4 Air transportability	Header			
LTV-SRS-030	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air transportability within the Royal Canadian Air Force (RCAF) CC-130J equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-031	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air transportability within RCAF CC-177 Globemaster III equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-032	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air transportability internal to a RCAF CH-147F Chinook helicopter equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-033	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air transportability as a sling load under a RCAF CH-147F Chinook helicopter equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-034	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air drop from a RCAF CC-130J equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-035	The base vehicle described in LTV-SRS-018 must have been certified by a NATO member country, Australia, or New Zealand for air drop from a RCAF CC-177 Globemaster III equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-036	The LTV must be designed for air transportability within RCAF CC-130J equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-037	The LTV must be designed for air transportability within RCAF CC-177 Globemaster III equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-038	The LTV must be designed for air transportability internal to a RCAF CH-147F Chinook helicopter equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-039	The LTV must be designed for air transportability as a sling load under a RCAF CH-147F Chinook helicopter equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-040	The LTV must be designed for air drop from a RCAF CC-130J equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-041	The LTV must be designed for air drop from a RCAF CC-177 Globemaster III equivalent aircraft.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-042	2.5 Exterior Dimensions	Header			
LTV-SRS-043	The maximum vehicle dimensions for transportation internal to a CH-147F Chinook helicopter are 6 m x 2.1 m x 1.9 m (length x width x height)	Info			
LTV-SRS-044	The LTV-P, equipped in accordance with LTV-SRS-024 curb weight and prepared for driving on public roads, must be prepared for transportation internal to a CH-147F Chinook helicopter, using only the hand tools from the onboard toolkit. All components affected by the air transportation preparation must remain attached or be secured in the vehicle during flight.	Mandatory	POC	Technical drawings with optional supporting photographs showing: a) Exterior dimensions (length x width x height) when prepared for driving on-road; b) Exterior dimensions (length x width x height) when prepared for air transportation; and c) Identify all components that must be stowed for flight and their locations.	Mandatory - no points allocated
LTV-SRS-045	The LTV-C, equipped in accordance with LTV-SRS-025 curb weight and prepared for driving on public roads, must be prepared for transportation internal to a CH-147F Chinook helicopter using only the hand tools from the onboard toolkit. All components affected by the air transportation preparation must remain attached or be secured in the vehicle during flight.	Mandatory	POC	Technical drawings with optional supporting photographs showing: a) Exterior dimensions (length x width x height) when prepared for driving on-road; b) Exterior dimensions (length x width x height) when prepared for air transportation; and c) Identify all components that must be stowed for flight and their locations.	Mandatory - no points allocated
LTV-SRS-046	The LTV air transportation preparation process must allow the LTV to be driven on and off a Chinook helicopter at a prepared airfield using its own power, in both forward and reverse directions.	Mandatory	SOC	N/A	N/A
LTV-SRS-047	After flight, the LTV must be prepared for driving on public roads with only the use of hand tools from the onboard toolkit.	Mandatory	SOC	N/A	N/A

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-048	2.6 Payload	Header			
LTV-SRS-049	2.6.1 General	Header			
LTV-SRS-050	All seating positions must be equipped with a 4-point safety harness.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-051	All safety harnesses must comply with the government transportation standards from a NATO member country, Australia, or New Zealand.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-052	The LTV must be provided with an onboard toolkit to perform driver maintenance tasks.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-053	The LTV-C must be provided with a spare tire assembly, tools and jack for changing the tire must be included in the onboard toolkit.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-054	2.6.2 Personal weapon stowage	Header			
LTV-SRS-055	The LTV must have a personal weapon stowage solution for at least the driver, co-driver, and roof gunner that is within arm's reach of their position.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-056	The personal weapon stowage solution must be compatible with C7A2 and C8A3 equivalent weapons.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-057	2.6.4 Payload LTV-C variant	Header			
LTV-SRS-058	The LTV-C cargo area bed length must be no less than 0.8 m.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-059	The LTV-C cargo area bed width must be no less than 1 m.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-060	2.7 Mobility	Header			
LTV-SRS-061	2.7.1 Operational Mobility	Header			
LTV-SRS-062	The LTV must have a sustained top speed of at least 80 km/h, carrying a payload of at least 1000 kg, on level hard surfaced roads.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-063	The LTV must achieve an autonomous range of at least 450 km using internal fuel tank(s), cruising 80 km/h, carrying a payload of at least 1000 kg, on level, hard surfaced roads.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-064	2.7.2 Tactical Mobility	Header			
LTV-SRS-065	2.7.2.1 Braking	Header			
LTV-SRS-066	The LTV must decelerate from 80 km/h to a full stop within 55 m in accordance with SAE J299 <i>Stopping Distance Test Procedure</i> .	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-067	The LTV must have a parking brake.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-068	The LTV must have an emergency brake.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-069	The LTV parking brake and emergency brake may be combined into a single driver's control.	Info	N/A	N/A	N/A
LTV-SRS-070	LTVs equipped with an Anti-Lock Braking System (ABS) must include a driver's control to disable the system in preparation for off-road driving.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-071	LTVs equipped with ABS must include a visual indicator on the dashboard that the system has been disabled.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-072	2.7.2.2 Acceleration	Header			
LTV-SRS-073	The LTV must accelerate from a full stop to 200 m in less than 17 seconds in accordance with SAE J1491 <i>Vehicle Acceleration Measurement</i>	Mandatory	SOC	N/A	N/A
LTV-SRS-074	2.7.2.3 Turning Diameter	Header			
LTV-SRS-075	The LTV must have a maximum wall-to-wall turning diameter of 14 m as measured in accordance with SAE J695, <i>Turning Ability and Off Tracking – Motor Vehicles</i> .	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-076	2.7.2.4 Gap crossing	Header			
LTV-SRS-077	The LTV must be able to cross a gap of at least 0.4 m, without preparation.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-078	2.7.2.5 Step Climbing	Header			
LTV-SRS-079	The LTV must have the ability to climb over a hard vertical step of 0.3 m, in forward and reverse directions, while driving perpendicular to the obstacle as defined in NATO AVTP 03-80 <i>Performance Test Methods for Wheeled Military Vehicles – Vertical Step, Trench Crossing</i> .	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-080	2.7.2.6 Ramp angles	Header			
LTV-SRS-081	The LTV approach angle must be a minimum of 40 degrees at highway tire pressure.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-082	The LTV departure angle must be a minimum of 40 degrees at highway tire pressure.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-083	2.7.2.7 Fording Capability	Header			
LTV-SRS-084	The LTV must be able to ford a hard bottom water obstacle to a depth of 0.6 m without major modification or preparation as defined in TOP 2-2-612 <i>Fording</i>	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-085	The LTV must be able to self-drain after water obstacle fording when parked on level ground.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-086	2.7.2.8 Ground Clearance	Header			
LTV-SRS-087	The LTV ground clearance must be a minimum of 20 cm when measured along the entire longitudinal centre line of the vehicle while carrying a minimum of 1000 kg payload. The tires used for this measurement must have the identical diameter to the tires being offered for LTV. The tires must be inflated to highway pressure.	Mandatory	POC	Technical drawing showing a cutaway side profile of the longitudinal centre line of the vehicle with the expected suspension sag of the proposed configuration with payload. Identify the lowest point(s) along the centre line, the ground clearance at that/those point(s), and the name of the system or component at that/those point(s).	Mandatory - no points allocated
LTV-SRS-088	2.7.2.9 Gradients	Header			
LTV-SRS-089	The LTV must be able to ascend and descend, in the forward and reverse directions, up to 60 percent longitudinal grades on a dry, hard paved surface free from loose material in a controlled manner at a minimum 3 km/h, without stalling, leaking, slipping, overheating, upsetting, or hesitation.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-090	Using the service brake, the LTV must be capable of stopping and holding motionless on a 60 percent slope, in the forward and reverse directions, as per TOP 2-2-608, <i>Braking, Wheeled Vehicles</i> .	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-091	After stopping and holding motionless, the LTV must be capable of restarting in a forward or reverse motion on a 60 percent slope without slippage.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-092	The LTV must not show any leaks of fuel, lubricants or coolants, no loss of stability, overheating and no loss of fuel to the engine while traversing, both forward and backward, a 30 percent side slope.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-093	2.8 Transportability	Header			
LTV-SRS-094	The LTV fleet must have permanent lifting and tie down points that are compatible with common rigging, for loading and securing for sea, rail, or any other transportation.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-095	2.9 Interoperability	Header			
LTV-SRS-096	The LTV must be free of anti-theft transponder devices.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-097	The LTV must have mounting holes and hardware to mount license plates measuring 15 cm x 30 cm (height x width) on the front and rear of the vehicle.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-098	The LTV must have a driver side and passenger side mirror for driving on public roads.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-099	2.10 Electrical systems	Header			
LTV-SRS-100	2.10.1 General	Header			
LTV-SRS-101	The LTV electrical system must have 28 VDC (nominal) capability in accordance with STANAG 2601, Standardization of Electrical Systems in Tactical Land Vehicles, and MIL-STD-1275D - Department of Defense Interface Standard: Characteristics of 28 Volt DC Electrical Systems in Military Vehicles.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-102	The LTV must be fitted with a battery master switch to isolate the batteries from vehicle electrical system	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-103	The LTV must be fitted with a STANAG 4074, <i>Auxiliary Power Unit Connections for Starting Tactical Land Vehicles</i> , slave receptacle for jump starting the vehicle using a NATO slave cable.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-104	The LTV must incorporate at least two (2) 12 VDC accessory outlets in the dashboard.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-105	2.10.2 Interior lighting	Header			
LTV-SRS-106	The LTV must be equipped with a lighted instrument panel and driver controls.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-107	The LTV interior lighting must be equipped with dimming control	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-108	The LTV interior lighting must include modes for driving with head-borne night vision goggles and full blackout.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-109	2.10.3 External Lighting	Header			
LTV-SRS-110	The LTV must incorporate a blackout drive mode.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-111	The LTV must have external lighting appropriate for driving on public roads including as a minimum: two (2) headlights, front and rear turn signals, and two (2) brake lights.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-112	The LTV lighting system must incorporate at least two (2) infrared (IR) headlights for driving while using night vision devices.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-113	The LTV lighting system must incorporate front and rear blackout marker lights.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-114	2.10.4 Warning Horn	Header			
LTV-SRS-115	The LTV must be equipped with an electric warning horn reachable from the driver's seat.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-116	2.11 Petroleum, Oil and Lubricants (POL)	Header			
LTV-SRS-117	The LTV must be able to operate continuously on NATO supplied fuels as detailed in STANAG 4362 <i>Fuels for Future Ground Equipment Using Compression Ignition or Turbine Engines</i> , without any modifications.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-118	The LTV must be able to operate continuously on commercially available diesel fuels, without any modifications.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-119	2.12 Vehicle Systems	Header			
LTV-SRS-120	2.12.1 All-wheel drive	Header			
LTV-SRS-121	The LTV must have the capability to direct engine torque to all wheels simultaneously in order to achieve maximum off-road traction.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-122	LTVs equipped with electronic driver's aids, such as traction control or stability control, must have a driver's control to disable the system in preparation for off-road driving	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-123	LTVs equipped with electronic driver's aids must have visual indicators on the dashboard that the systems have been disabled.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-124	2.12.2 Transmission	Header			
LTV-SRS-125	The LTV must be equipped with an automatic transmission.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-126	2.12.3 Tires and Wheels	Header			
LTV-SRS-127	The LTV tires must be an all-terrain design.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-128	All LTV tires and wheel assemblies must be identical.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-129	The LTV-C must be equipped with a spare tire assembly.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-130	The LTV tire assemblies, including the spare tire, must have run-flat capability installed.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-131	2.12.4 Steering	Header			
LTV-SRS-132	The LTV must be left-hand drive.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-133	2.13 Climatic and Environmental	Header			
LTV-SRS-134	2.13.1 Cold Weather Start	Header			
LTV-SRS-135	The LTV engine must start, unaided when the temperature of the entire drive train is equal to or above an ambient temperature of -19 degrees C.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-136	2.13.2 Windshield	Header			
LTV-SRS-137	The LTV must be equipped with a half windshield which must provide coverage for the full width of the bottom portion of the windshield area to deflect wind, precipitation, and light debris.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-138	The LTV windshield must be constructed from shatterproof plastic with a scratch resistant surface.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-139	The installation, removal, and interchanging of windshields must be performed by Initial Cadre Training (ICT) trained drivers using the onboard toolkit only.	Mandatory	SOC	N/A	Mandatory – no points allocated
LTV-SRS-140	2.13.3 Cabin enclosure	Header			
LTV-SRS-141	The LTV must be equipped with a roof that provides coverage for at least the first two (2) rows of seating.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-142	The LTV roof material must not be damaged by the residual heat of ejected ammunition casings.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-143	2.14 Basic protection	Header			
LTV-SRS-144	The LTV internal fuel tank(s) must be protected when driving over objects such as rock and logs, by its/their location or with underbody guards.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-145	The LTV must be equipped with undercarriage protection for the powertrain when traversing rocky terrain.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-146	The LTV must be equipped with a ROPS which provides coverage for all seating positions.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-147	The LTV must be equipped with (a) handheld Class ABC fire extinguisher(s) that is/are mounted on the exterior of the vehicle. The total fire extinguisher capacity must be a minimum of 5 lbs. Each fire extinguisher must have a minimum capacity of 2.5 lbs.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-148	2.15 Towing and Recovery	Header			
LTV-SRS-149	2.15.1 Flat towing	Header			
LTV-SRS-150	The LTV must flat tow another LTV on paved roads for at least 10 km at 25 km/h, both carrying a minimum of 1000 kg payload.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-151	The LTV must be flat towed, while still carrying combat load, on paved roads at a minimum of 25 km/h for a minimum of 10 km, while carrying a minimum of 1000 kg payload.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-152	2.15.2 Recovery	Header			
LTV-SRS-153	The LTV must be designed to be suspend towed from the front and rear axles.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-154	2.15.3 Vehicle towing capacity	Header			
LTV-SRS-155	The LTV must have a trailer towing capacity of at least 1000 kg.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-156	The LTV must have a trailer hitch tongue weight rating of at least 105 kg.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-157	The LTV must be equipped with a swivel type towing pintle assembly, at the rear of the vehicle capable of accepting a towing eye in accordance with STANAG 4101 <i>Towing Attachments</i> .	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-158	The LTV electrical connection to the trailer must be in accordance with STANAG 4007 <i>Electrical Connectors Between Prime Movers, Trailers and Towed Artillery.</i>	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-159	2.15.4 Winch	Header			
LTV-SRS-160	The LTV must be equipped with an electric self-recovery winch with a corded remote control.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-161	The winch must be mountable at the front of the LTV.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-162	The winch must have a minimum straight pull capacity of (1) time the Gross Vehicle Weight (GVW).	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-163	2.16 Effects	Header			
LTV-SRS-164	2.16.1 Roof gunner station	Header			
LTV-SRS-165	The LTV roof gunner station must be equipped with a single mounting socket or base to support the mounting of a M2 Browning .50 cal heavy machine gun.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-166	The C9 (Fabrique Nationale Minimi) weapon mount assembly must be provided with all mounts, adapters, and cradles for firing the weapon from the mounting socket/base specified in LTV-SRS-164.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-167	The C6 (Fabrique Nationale MAG) weapon mount assembly must be provided with all, adapters, and cradles for firing the weapon from the LTV mounting socket/base specified in LTV-SRS-164.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-168	The M2 .50 cal Browning heavy machine gun weapon mount assembly must be provided with all mounts, adapters, and cradles for firing the weapon from the mounting socket/base specified in LTV-SRS-164.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-169	The C16 Close Area Suppression Weapon (Heckler & Koch Grenade Machine Gun) mount assembly must be provided with all mounts, adapters, and cradles for firing the weapon from the mounting socket/base specified in LTV-SRS-164.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-170	The Bidder must deliver the following weapon mount assemblies: five (5) C9, five (5) C6, five (5) M2, and five (5) C16 at the same time as the LTVs mentioned in LTV-SRS-019.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-171	The roof gunner station and weapon mount assemblies must allow for a minimum arc of fire of a frontal 180 degrees.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-172	All traverse and elevation movements of the gun mount assembly must be manually powered by the gunner.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-173	All weapons mount assemblies must include a traverse and elevation lock for travel.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-174	Each weapon mount assembly must include an ammo box carrying tray that is sufficiently robust to carry and retain a full box of ammo during off-road driving.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-175	The weapons mount(s) assemblies for the M2 and C16 must include a traverse and elevation fine adjustment mechanism that can be optionally engaged.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-176	2.16.2 Door Weapon Mounts				
LTV-SRS-177	The LTV must have two (2) B pillar swing arm machine gun mount assemblies, one (1) on each side of the vehicle, to be operated by occupants in the second row of seating.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-178	All swing arm mount assemblies delivered for ICT and IOC must be of the same makes and models.				
LTV-SRS-179	The swing arm mount cradle must be universally compatible with both the C6 and C9 machine guns.	Mandatory	SOC	N/A	Mandatory - no points allocated

ID	SRS	Type of Requirement	Means of Compliance	POC Details	Point Allocation
LTV-SRS-180	The swing arm mounts must be lockable in a travel position.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-181	The swing arm mounts must provide a stable elevated platform for a standing soldier to fire a machine gun in at least a 180 deg arc of fire perpendicular from the side of a parked LTV.	Mandatory	SOC	N/A	Mandatory - no points allocated
LTV-SRS-182	The swing arm mounts must provide a stable platform for a soldier to fire a machine gun in a limited arc while seated in the LTV.	Mandatory	SOC	N/A	Mandatory - no points allocated