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SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

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By e-mail to: - Par courriel au :
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Attention: - Attention :
Dong Le DLP 5-3-4-2

Title - Sujet Line Maintenance Type Truck with a Rear Mounted Digger Derrick Unit 18.29 m (60 ft), 6x6		Amendment No. - N° modif. 002
Solicitation No. N° de l'invitation W8476-236725/A	Date of Amendment Date de modification 2023 - 08 - 11	
Address enquiries to: - Adresser toute demande de renseignements à : Dong Le E-Mail Address - Courriel Dong.le@forces.gc.ca		
Destination See herein - Voir aux présentes		

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions : Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery required Livraison exigée See herein - Voir aux présentes	Delivery offered Livraison proposée
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Person authorized to sign on behalf of Vendor/Firm (type or print): La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :	
Name - Nom	Title - Titre
Signature	Date

Solicitation Closes - L'invitation prend fin
At - à : 2:00 PM - 14:00
On - le : 30 August 2023
Time Zone - Fuseau Horaire : Eastern Daylight Time (EDT) Heure avancée de l'Est (HAE)

THIS SOLICITATION AMENDMENT IS RAISED TO:

1. Provide clarification and answers to a question from potential suppliers;
2. Amend the solicitation (Annex A, Requirement – Purchase Description) to clarify and reflect the questions received.

QUESTIONS AND ANSWERS:

Question 1	Item 3.14.4 c) The platform MUST have a minimum rated payload capacity of 180 kg (400 lbs). The maximum we can supply would be 160 KG (350 lbs). Would that be acceptable?
Answer 1	Yes, a 350 Lb. capacity for the platform is acceptable.

Question 2	Item 3.14.1 f) The boom tip winch must be equipped with 30.48 m (100ft) of cable. We only have synthetic rope. Is it accepted?
Answer 2	The boom tip winch must be equipped with 30.48 m (100ft) of cable or synthetic rope.

THIS SOLICITATION IS HEREBY AMENDED AS FOLLOWS:

- 3.1 DELETE: "Purchase Description for Line Maintenance Type Truck with a Rear Mounted Digger Derrick Unit 18.29 m (60ft) 6x6, ECC 145196 dated 2023-06-09"

INSERT: "Purchase Description for Line Maintenance Type Truck with a Rear Mounted Digger Derrick Unit 18.29 m (60ft) 6x6, ECC 145196 dated 2023-08-08". See attached.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.



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PURCHASE DESCRIPTION FOR

**Line Maintenance Type Truck with a Rear Mounted Digger
Derrick Unit 18.29 m (60 ft), 6x6.**

ECC 145196



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées.



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1.0 SCOPE

1.1 Scope

- a) This Purchase Description describes the requirements for a line maintenance type truck with a rear mounted Digger Derrick unit.

1.2 Instructions

- a) Requirements, which are identified by the word “must”, are mandatory. Deviations will not be permitted.
- b) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part.
- c) Where “**must**” or “will” are not used, the information supplied is for guidance only.
- d) In this document “provided” **must** mean “provided and installed”.
- e) Where a technical certification is referred to in this specification, a copy of the certification or an acceptable Proof of Compliance **must** be supplied for the vehicle when requested by the Technical Authority.
- f) Metric measurements are used to define the requirement. Other measurements are for reference only and may not be exact conversions.
- g) Nominal dimensions reflect a method by which materials or products are generally identified, but which differ from the actual measured dimensions.

1.3 Definitions

- a) “**Equivalent**” - Substitutes and alternatives that are equivalent in product, performance or a standard will be considered for acceptance by the Technical Authority where Proof of Compliance for equivalency for the respective requirement is provided for evaluation.
- b) “**Vehicle** – The entire vehicle including all systems and sub-systems, in a complete manufactured state in accordance with the requirements in this Purchase Description.
- c) “**Road Legal**” – Applies to a self-propelled vehicle designed for or capable of transporting persons, property, material or permanently or temporarily affixed apparatus on a highway.
- d) “**Gross Axle Weight Rating (GAWR)**” - The value specified by the vehicle manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces.
- e) “**Gross Vehicle Weight Rating (GVWR)**” - The value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

2.0 APPLICABLE DOCUMENTS

2.1 Applicable Documents

- a) The following documents form part of this Purchase Description. The dates of issue are those in effect on the date of release of the RFP. Canada will not be supplying these documents. Sources are as shown:

Canadian Occupational Health and Safety Regulations (COHSR)

CAN/CGSB Standard 3.517 Automotive (On-road) Diesel Fuel

Motor Vehicle Safety Regulations (MVSr)

Canadian Motor Vehicle Safety Standards (CMVSS)

Yearbook Tire and Rim Association Inc.

R.S.C., 1985, c. H-3 Hazardous Products Act

ANSI /SIA A92.2021 Vehicle-Mounted Elevating and Rotating Aerial Devices

ANSI /SIA A10.31 Safety Requirements, Definitions and Specifications for Digger Derricks

CAN/CSA C225 Vehicle Mounted Aerial Devices

CAN/CSA Z259.11-17 - Personal energy absorbers and lanyards

SAE J560 - Primary and Auxiliary Seven Conductor Electrical Connector for Truck-Trailer Jumper Cable

3.0 REQUIREMENTS

3.1 Standard Design

- a) **Latest Model** - The vehicle design **must** be the manufacturer's latest model.
- b) **Industry Acceptability** - The vehicle design **must** have demonstrated industry acceptability by having been manufactured and sold commercially for at least two years, or be manufactured by a company that has at least five years' experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.
- c) **Engineering Certification** - Original manufacturers engineering certification **must** be provided upon request for major drive train components, and major equipment systems and assemblies, to demonstrate that assemblies are used within their design limitations.
- d) **Regulations** – The equipment **must** conform to all applicable laws, regulations and industrial standards in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessarily limited to manufacturing, health and safety, noise levels, environment and emissions.
- e) **Published Ratings** - The vehicle **must** have system and component capacities equivalent to published ratings (i.e. product or component brochures).
- f) **Measurements** – Values for labels and indicators provided with equipment **must** be presented in metric units, or **must** have both imperial and metric units with metric dominant.

3.2 Operating Conditions

3.2.1 Weather

- a) The vehicle **must** operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37 degrees Celsius C (-40 to 99 degrees Fahrenheit).

3.2.2 Terrain

- a) The vehicle **must** operate on highways, secondary roads, gravel roads, and limited off-road including construction sites, open fields and dirt tracks.

3.3 Safety Standards

3.3.1 Vehicle Safety Regulations

- a) The vehicle **must** comply with the Motor Vehicle Safety Regulations (MVSR).
- b) The completed vehicle **must** have Safety Compliance Certification Label with a National Safety Mark (NSM), as a seal of compliance **or** be accompanied by a Vehicle Import Form containing proof of Inspection by the Registrar of Imported Vehicles.
- c) The vehicle **must** be designed and built in accordance with the latest version of ANSI /SIA A92.2, ANSI/SIA A10.31 and CSA C225.

3.3.2 Human Factors Engineering

- a) The vehicle, all systems, and components must comply with the relevant sections of the Canadian occupational Health safety regulation (COHSR).
- b) The vehicle **must** be manufactured/assembled for safety and ease of use by CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female;

- c) The vehicle **must** have entry and exit points equipped with handles and steps sized and positioned to accommodate CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female;

3.4 Vehicle Performance, Ratings and Dimensions

3.4.1 Performance

- a) The vehicle, at GVWR, **must** sustain a minimum top speed of 100 kilometers per hour on a level paved road.
- b) When operating at the GVWR, the vehicle **must** tow a 9 072 kg (20 000lbs) trailer.
- c) Axle loads **must** comply with all the provincial weight restrictions across Canada.
- d) The vehicle **must** have road legal dimensions across Canada;

3.5 Outriggers/Stabilizers

- a) Stabilizers and outriggers **must** be provided in accordance with safety requirements in ANSI/SAIA A92.2 or CSA 225.

3.6 Engine Requirements

3.6.1 Engine Components

- a) The engine **must** operate on ultra-low sulphur diesel fuel to the CAN/CGSB Standard 3.517.
- b) The engine **must** be equipped with replaceable air filters.

3.6.2 Cold Weather Starting Aids

- a) A low temperature engine starting aid **must** be provided.
- b) A 110 Volt engine heater **must** be provided.
- c) A thermostatically controlled water separator/fuel filter **must** be provided to preheat diesel fuel prior to starting.
- d) The battery **must** be housed in an insulated battery box or blanket.
- e) A 110 Volt battery heater **must** be provided.

3.7 Drivetrain

- a) The vehicle **must** be minimum 6X6 drive.
- b) The power train **must** include a “Park” or “Neutral” starting interlock.
- c) The power train **must** include limited slip or driver controlled locking differential(s) on the drive axle(s).

3.8 Transmission

- a) The vehicle **must** be equipped with an automatic transmission.
- b) The transmission **must** have an oil cooler.
- c) A transmission oil dipstick or any other means to determine oil level **must** be provided.
- d) An audible back-up alarm **must** be installed to alert personnel that the vehicle transmission is in reverse.

3.9 Braking Requirements

3.9.1 Brakes

- a) The vehicle **must** be equipped with a braking system, including a parking brake.
- b) The braking system **must** include an anti-lock (ABS) brake system.
- c) A brake interlock **must** be provided to prevent the vehicle from being moved when the outriggers or stabilizers are activated.

3.10 Steering

- a) The vehicle **must** be provided with a front wheel power steering system.
- b) The steering system **must** be provided with a telescopic/tilt steering column.

3.11 Wheels, Rims and Tires

- a) Tires **must** have a tread pattern for use in the operating conditions described in Paragraph 3.2.
- b) Tires and rims **must** include solid tube valve extensions for inner tires, if used, to allow for easy access.

3.12 Cab

- a) The vehicle **must** be equipped with a two-person weatherproof cab.
- b) A minimum of two doors **must** be provided with power locks, be keyed alike.
- c) A ventilation / heating and defrosting system **must** be provided, with a multi-speed fan.
- d) An air conditioning system **must** be provided equipped with all components and controls required for regulation of the cab interior temperature.
- e) The cab floor or floor mats **must** be weatherproof.
- f) Two rotating interior sun visors **must** be installed.
- g) A back-up camera system **must** be installed in the cab
- h) An AM/FM stereo radio with an auxiliary port and Bluetooth connection **must** be provided.
- i) Two heavy-duty, powered and heated exterior side mirrors, with convex section, **must** be provided with in-cab controls.
- j) The cab **must** be equipped with a 2.3 kg (5 lb) ULC approved and rechargeable dry chemical fire extinguisher, with a minimum rating of 3A10BC, equipped with a pressure gauge, service inspection tag, and accessible to the operator.

3.13 Storage Compartments

- a) The vehicle **must** be equipped with a minimum of eight compartments with a combined minimum volume of 2.28 cubic metres.
- b) The vehicle **must** be equipped with fiberglass storage compartments.
- c) The storage compartments **must** be weatherproof to prevent the ingress of water.
- d) The storage compartments **must** be equipped with a mechanism designed to hold compartment doors open at a minimum of 110 degrees.
- e) The storage compartments shelves **must** be lined with non-slip safety matting.
- f) The storage compartments drawers **must** be equipped with lock in and out latches.
- g) All cabinets **must** be equipped with weather proof LED strip lightning.

- h) The storage compartments removable shelves **must** have a minimum load capacity of 45 kilograms (100 pounds).

3.14 Equipment Requirements

3.14.1 Aerial Device

- a) The vehicle **must** be equipped with an aerial device.
- b) The aerial device **must** be rear mounted.
- c) The aerial device **must** be certified category “C” according to ANSI /SIA A92.2 standard.
- d) The aerial device **must** have a minimum height of 18.29 meters (60 feet), measured from the ground to the bottom of the platform;
- e) The aerial device **must** be equipped with a boom tip winch with a minimum capacity of 6820 kilograms (15 000 pounds) at an 80 degree elevation.
- f) The boom tip winch **must** be equipped with 30.48 m (100ft) of cable or synthetic rope.

3.14.2 Aerial Device Controls

- a) Upper and lower controls **must** be provided.
- b) Upper and lower controls **must** include a two-speed throttle control.

3.14.3 Emergency Aerial Device Operation

- a) An emergency 12 Volt system **must** be provided to:
 - I. Allow an operator in the platform to lower himself to safety if the engine or hydraulic system become inoperative; and
 - II. Retract the outriggers if the engine or main hydraulic system becomes inoperative.

3.14.4 Platform

- a) A one-person, fibre-reinforced bucket with integral external access steps **must** be provided.
- b) The platform **must** be equipped with an insulating liner constructed from non-conductive material certified category “C” (46 kV and below).
- c) The platform **must** have a minimum rated payload capacity of 160 kilograms (350 pounds).
- d) The platform **must** have anchorage for fall protection.
- e) The platform **must** have a covering system to minimize ingress of water.
- f) The platform **must** have removable tool trays suitable for the bucket and liner provided.

3.14.5 Front Winch

- a) A hydraulic front winch **must** be provided.
- b) The front winch **must** have a minimum capacity of 13 600 kilograms (30 000 pounds) and 76.2 m (250 ft) of cable.
- c) The front winch cable **must** be supplied with a mechanical spliced eye at the end.
- d) The front winch **must** include an automatic drag and safety brake, a hydraulic overload device, a free spooling feature, a 900 millimeter (3 feet) leader chain with hook and a roller fairlead.
- e) The front winch **must** operate using a wireless remote control unit, powered in both directions.
- f) The front winch **must** include a snatch block capable of withstanding a double line pull capacity of the winch.

- g) The front winch **must** have controls located in the cab.

3.14.6 **Rear Winch**

- a) A hydraulic rear winch **must** be provided.
- b) The rear winch **must** be installed in the rear bumper and equipped with X-Y fairleads.
- c) The rear winch **must** have a minimum capacity of 9 072 kilograms (20 000 pounds) and 76.2 m (250 ft) of cable.
- d) The rear winch cable **must** be supplied with a mechanical spliced eye at the end.

3.15 **Digger Attachment**

- a) A two speed or continuous speed hydraulic digger **must** be provided.
- b) The digger **must** be equipped with an overload protection system.
- c) Three vehicle-mounted augers **must** be provided.
- d) The auger heads **must**:
 - i. Have diameters of 200 millimetres (8 inch), 400 millimetres (16 inch) and 600 millimetres (24 inch);
 - ii. Be equipped with carbide teeth designed to operate in rocky soil conditions; and come complete with a screw anchor wrench assembly for 38 millimetre (1 ½ inch) anchors and 63 millimetre (2 ½ inch) Kelly Bar with locking dog assembly.
- e) An auger overwind protection system **must** be provided to protect during auger storage procedures.
- f) All necessary hydraulic accessories and controls required to operate digger **must** be provided.
- g) Stowage for extension shaft and out-put digger shaft **must** be provided.
- h) Stowage brackets for two augers **must** be provided.

3.15.1 **Pole Guide**

- a) A hydraulic tilting pole grabber **must** be provided.
- b) The hydraulic pole guide **must** be mounted in such a position so as to not interfere with the operation of fibreglass extension or cause the platform to be removed to effect operation.

3.15.2 **Pole Puller**

- a) A hydraulic pole puller **must** be provided, with a minimum rated capacity of 25 545 kilograms (56 000 pounds).
- b) The pole puller **must** fit into a mounting tray on the platform deck.
- c) The pole puller **must** include at least 2.1 metres (7 feet) of high tensile chain and base.

3.15.3 **Pole Tamper**

- a) A hydraulic pole tamper at least 1.8 metres (72 inches) in length, including quick release couplers **must** be provided.
- b) The pole tamper **must** have a kidney-shaped foot, control valve on tube, and a free flow return line.

3.16 **Miscellaneous Equipment**

- a) Two safety harnesses and fall arrest shock absorbing type lanyards **must** be provided.

- b) Safety triangles **must** be provided.
- c) First aid kit **must** be provided installed in a secure and easy to reach area.
- d) Two stone deflectors **must** be incorporated around the rear wheel wells.
- e) A removable vice mount complete with a 150 millimetre (6 inch) vice located at the rear of the vehicle **must** be provided.
- f) One certified fire extinguisher with a minimum capacity of 2.3 kilograms (5 pound), mounted firmly in place under all operating conditions, with quick release type latching for accessibility and suitable for low temperature use **must** be provided.
- g) Front and rear licence plate holder **must** be provided.
- h) Towing hooks **must** be provided at the front and rear of the vehicle.
- i) Mud flaps **must** be provided.

3.17 Towing

- a) The vehicle **must** have a minimum towing capacity of 9 072 kg (20 000 lbs).
- b) The vehicle **must** be equipped with a rear pintle hook.
- c) The vehicle **must** be equipped with two safety chain towing shackles located on either side of the pintle hook.
- d) A 7-pin electrical trailer socket **must** be provided in accordance with SAE J560.

3.18 Hydraulic System

- a) A hydraulic oil cooler **must** be provided.
- b) Hydraulic filter change indicators **must** be provided.
- c) Hydraulic hoses should be grouped together and **must** be clearly identified.
- d) If supplied with the equipment, clearly marked test ports **must** be provided.

3.19 Electrical System

- a) The vehicle **must** be equipped with a 12 Volt electrical system
- b) Wiring **must** be protected by insulating grommets, where passing through metal.
- c) A master disconnect switch, accessible from the ground, **must** be provided.
- d) Three 120 Volt, 60 Hertz power outlets **must** be provided.
- e) An inverter with minimum output of 2 000 Watts **must** be provided.

3.20 Lighting

- a) Lights **must** be recessed or otherwise protected from damage with all components accessible for servicing.
- b) At least one amber coloured beacon light **must** be provided.
- c) At least three adjustable Grote work lights P/N BZ131-5 or **Equivalent must** be provided, mounted to illuminate the rear of the vehicle and each of the sides.

3.21 Controls

- a) Each control **must** be permanently marked to identify the function, in both English and French or international symbols as defined by SAE J1362.
- b) Vehicle controls **must** be grouped together in the cab
- c) Applicable equipment controls **must** be grouped together in the cab.
- d) Controls **must** not restrict the operator's field of view.
- e) Control panel lights **must** be provided for adequate lighting for night-time operations.

3.22 Instruments

- a) A boom stowed position indicator mounted in the cab **must** be included.
- b) If applicable, a hydraulic oil temperature and level indicator **must** be provided.
- c) An hour-meter with numeric display, which accurately records accumulated engine running time up to at least 9 999 hours **must** be provided.
- d) Differential lock indicator **must** be provided.

3.23 Paint

- a) The vehicle **must** be painted white.
- b) All metal surfaces **must** be protected.
- c) The prime coating **must** be a high durability, corrosion resistant type, such as an epoxy.
- d) The chassis and chassis components **must** be painted black.

3.24 Corrosion Protection

- a) The vehicle **must** be designed and manufactured to prevent galvanic corrosion.
- b) The materials used in the vehicle manufacturing **must** resist damage or deterioration as a result of cleaning with hot or cold water, steam, or detergents
- c) Rust protection **must** be applied to the vehicle such as Krown rust control or equivalent.

3.25 Warning, Markings and Instruction Plates

- a) All identification, instructional, and warning labels **must** be bilingual or International symbols defined in SAE J1362.
- b) All identification, instructional, and warning labels **must** within view of the operator.
- c) All indicators and controls **must** be permanently labelled.

3.26 Vehicle identification

- a) The vehicle identification information **must** be permanently affixed in a conspicuous and protected location.
- b) Identification information **must** include the cab and chassis manufacturer's name, model number, serial number, and model year.
- c) Identification information **must** include the body manufacturer's model and serial number.
- d) Identification information **must** include the equipment manufacturer's model and serial number.
- e) Identification information **must** include the GVWR and GAWR ratings.

4.0 INTEGRATED LOGISTIC SUPPORT

4.1 **ILS Deliverables** - The following table indicates the ILS elements that the Contractor **must** deliver, including the medium (paper or digital), the expected means of delivery and the reference paragraph.

Element	Format/Medium	Delivered to TA	Supplied with each vehicle/equipment	Reference Paragraph
Set of Manuals	Digital	X	X	4.2
	Paper		X	
Warranty Letter	Digital	X	X	4.3
Data Summary	Digital	X		4.4.1
Photographs	Digital	X		4.4.2
Line Setting Ticket	Digital	X	X	4.4.3
Dimensioned Drawing	Digital	X	X	4.4.4
New Vehicle Information Statement (NVIS) Document	Digital	X		4.4.5
Special Tool List	Digital	X		4.4.6

4.2 **Vehicle Manuals** – All manuals required for the description, operation, maintenance and repair of the complete equipment, including chassis and sub-systems, **must** be provided.

4.2.1 **Operator's Manuals**

- The operator's manuals **must** be bilingual (English and French).
- The operator's manuals **must** include instructions for the safe operation of the vehicle.
- The operator's manuals **must** include daily operator maintenance instructions/checks (including lubrication).
- The operator's manuals **must** include safety warnings.
- The operator's manuals **must** include hand signals (as necessary).

4.2.2 **Parts Manual(s)**

- The parts manual(s) **must** be in English.
- The parts manual **must** have illustrations showing all components of the vehicle including equipment and accessories from other manufacturers that are supplied to meet the requirements of the contract, with numbers for the itemization of the parts.
- The parts manual **must** have a listing for all itemized parts showing the Original Equipment Manufacturers (OEM) part number, the part name and a brief description of the item.
- The parts manual **must** cross reference the OEM part number to the correct illustration and item number.

- e) The parts manual **must** have a representation of bilingual warning signs and identification labels delivered on the equipment.

4.2.3 **Maintenance Manuals**

- a) The maintenance manual **must** be bilingual.
- b) The maintenance manual **must** include a troubleshooting guide, showing the steps and tests required to determine the exact cause of a problem and an explanation of the steps required to correct a problem.
- c) The maintenance manual **must** include a listing of the necessary tolerances, torque levels, fluid volume, and special tools (including item part numbers).
- d) The maintenance manual **must** include information on the order of disassembly and assembly of the systems and components of the vehicle.
- e) The maintenance manual **must** include special tools list as per 4.3.4.

4.2.4 **Manual Delivery to Technical Authority**

- a) Sample manuals **must** be submitted to the Technical Authority (TA) prior to the delivery of the vehicle for each model and or sub-system for approval. Sample manuals will not be returned. TA will provide approval or comments on the manuals within 30 calendar days.
- b) The contractor must provide responses to the TA comments.
- c) One complete set of approved manuals (Operator's, Maintenance, and Parts) in electronic format **must** be delivered to the Technical Authority.

4.2.5 **Manual Delivery with Vehicle**

- a) One complete set of approved manuals (Operator's, Maintenance, and Parts) **must** accompany each vehicle, shipped to each location.
- b) The manuals **must** be in paper and electronic format.

4.2.6 **Electronic Format**

- a) Approved copies of the electronic format manuals **must** be delivered on CD/DVD-ROM.
- b) CD/DVD-ROM **must not** require installation, password and/or Internet connection to be accessed and be an unlocked PDF in a searchable format.

4.2.7 **Provisional Manuals**

- a) In the event that approved manuals are not available at the time of delivery of the equipment, manuals marked "Provisional" **must** be supplied with the equipment.
- b) The contractor **must** deliver replacement approved manuals to all destinations where Provisional manuals were delivered.

4.2.8 **Manual Supplements**

- a) The contractor **must** supply manual supplements (Operator's, Maintenance and Parts) to support dealer-installed equipment not covered in the Vehicle Manuals.
- b) Manual supplements **must** be delivered in accordance with 4.2.4 and 4.2.5.

4.2.9 **Changes to Manuals**

- a) During the period of the contract, changes to equipment, which affect the contents of manuals, **must** be reflected in the revision of the electronic and paper version of the manuals.

- b) Changes to the manuals **must** conform to the same format and presentation requirements as the original manuals.
- c) The revised electronic version of the manual **must** be sent to the Technical Authority by the Contractor.

4.3 Warranty Letter

- a) The warranty letter **must** include a list of all Canadian designated warranty service providers that will honour the warranty for the equipment and attachments (if applicable) procured under this contract, including the contact person and phone number at each warranty service provider.
- b) The warranty letter **must** include additional warranty coverage of sub-systems and a copy of the warranty letter from each sub-system's Original Equipment Manufacturer (OEM).
- c) The warranty letter **must** include warranty period as negotiated in the contract.
- d) The warranty letter **must** include Contractor contact information, name and phone number, for warranty support.

4.3.2 Warranty Letter Delivery

- a) The Contractor **must** provide a bilingual warranty letter to the Technical Authority and with each vehicle. If the Technical Authority requires the letter to be in DND format, then they will provide the Contractor a template for the DND acceptable format of the warranty letter.

4.4 Other ILS Deliverables to Technical Authority

4.4.1 Data Summary

- a) The Contractor **must** provide a bilingual Data Summary for each make/model/configuration of vehicle by completing Technical Authority's template with data and a vehicle picture.

4.4.2 Photographs

- a) The Contractor **must** provide photographs in colour, taken against a plain background, and in digital JPEG format with a minimum 10 megapixel resolution.
- b) One left front three-quarter view of a completed unit **must** be provided.
- c) One right rear three-quarter view of a completed unit **must** be provided.

4.4.3 Line Setting Ticket

- a) The contractor must provide the chassis manufacturer's Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis **must** be provided.

4.4.4 Dimensioned Drawing

- a) One side and front view sketch showing the dimensions **must** be provided.

4.4.5 New Vehicle Information Statement (NVIS) Document

- a) The contractor **must** provide the New Vehicle Information Statement Document for each chassis.
- b) The NVIS document **must** be delivered to the Technical Authority prior the delivery of the vehicle

4.4.6 **Special Tools List**

- a) The Contractor **must** provide an itemized list of specific special tools required for the servicing and repair of the vehicle and include:
 - i. Item name;
 - ii. Contractor's part number;
 - iii. Manufacturer's part number (OEM);
 - iv. Quantity recommended per delivery location;
 - v. Unit price; and
 - vi. Unit of issue.

4.5 **Safety Recalls and Servicing Data**

- a) Safety recalls, and manufacturer's technical service bulletins, or equivalent **must** be provided to the technical authority and the final delivery locations on a continuing basis, throughout the life expectancy of the vehicle or for no less than 10 years.

4.6 **Training**

4.6.1 **Maintenance Training**

- a) The Contractor **must** provide a maintenance training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have a minimum duration of one day to provide training of up to eight maintenance personnel and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus or course outline and schedule available for review seven days prior to the course commencement date.
- e) After completion of the course, the Contractor **must** have a "PROOF OF MAINTENANCE TRAINING" certificate signed by a Canada Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.6.2 **Maintenance Training Curriculum**

- a) Operator's training detailed in Paragraph 4.6.3 below **must** be included in the curriculum.
- b) Operation and maintenance safety precautions **must** be included in the curriculum.
- c) Preventive maintenance including servicing schedules **must** be included in the curriculum.
- d) Trouble shooting, testing, and adjustments **must** be included in the curriculum.
- e) Special tools and test equipment **must** be included in the curriculum (if applicable).

4.6.3 **Operator Training**

- a) The Contractor **must** provide an operator training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have minimum duration of one day to provide training for up to eight (8) operators and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus or course outline and schedule available for review seven (7) days prior to the course commencement date.

- e) After completion of the course the Contractor **must** have a “PROOF OF OPERATOR TRAINING” certificate signed by a Crown Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.6.4 **Operator Training Curriculum**

- a) Safety precautions to be observed while operating and servicing the vehicle **must** be included in the curriculum.
- b) Vehicle operating characteristics **must** be included in the curriculum.
- c) Vehicle operating procedures **must** be included in the curriculum.
- d) Pre-operating and pre-shutdown procedures **must** be included in the curriculum.
- e) Daily and weekly operator servicing procedures **must** be included in the curriculum.
- f) A minimum of two (2) hours practical operating experience, **must** be provided.

4.6.5 **Training Materials**

- a) Training materials **must** be provided to each attendee, in French for locations in Quebec.
- b) Training materials **must** include a list of topics to be covered;
- c) Training materials **must** include an approximate timetable showing when topics are scheduled to be covered and how much time is scheduled for each topic;
- d) Training materials **must** list any reference material; and
- e) Training materials **must** make available any reference material used.