



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Vehicles & Industrial Products Division
140 O'Connor, Tower East
4th Floor
140 O'Connor, Tour Est
4ème étage
Ottawa
Ontario
K1A 0S5

Title - Sujet Overcenter Line truck	
Solicitation No. - N° de l'invitation W8476-206185/A	Date 2019-08-09
Client Reference No. - N° de référence du client W8476-206185	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-929-77570	
File No. - N° de dossier hp929.W8476-206185	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-09-23	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Way, Stephanie	Buyer Id - Id de l'acheteur hp929
Telephone No. - N° de téléphone (613) 297-6500 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

- 1.1 Requirement
- 1.2 Debriefings
- 1.3 Trade Agreements
- 1.4 epost Connect service

PART 2 - BIDDER INSTRUCTIONS

- 2.1 Standard Instructions, Clauses and Conditions
- 2.2 Submission of Bids
- 2.3 Enquiries - Bid Solicitation
- 2.4 Applicable Laws
- 2.5 Improvement of Requirement during Solicitation Period

PART 3 - BID PREPARATION INSTRUCTIONS

- 3.1 Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

- 4.1 Evaluation Procedures
- 4.2 Basis of Selection

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

- 5.1 Certifications Required with the Bid
- 5.2 Certifications Precedent to Contract Award and Additional Information

PART 6 - RESULTING CONTRACT CLAUSES

- 6.1 Requirement
- 6.2 Standard Clauses and Conditions
- 6.3 Term of Contract
- 6.4 Authorities
- 6.5 Payment
- 6.6 Invoicing Instructions
- 6.7 Certifications
- 6.8 Applicable Laws
- 6.9 Priority of Documents

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

- 6.10 SACC Manual Clauses
- 6.11 Inspection and Acceptance
- 6.12 Preparation for Delivery
- 6.13 Shipping Instructions - Delivery at Destination
- 6.14 Post-Contract Award Meeting/Pre-Production Meeting
- 6.15 Progress Reports
- 6.16 Tools and Loose Equipment
- 6.17 Material
- 6.18 Design Changes
- 6.19 Interchangeability
- 6.20 Packaging
- 6.21 Service at Delivery
- 6.22 Vehicle Recall Notices

Attachments

Annex "A" - Pricing

Annex "B" - Purchase Description – Overcenter Line Truck - 18m Platform

Annex "C" - Technical Evaluation Matrix - Overcenter Line Truck - 18m Platform

Annex "D" to Part 3 of the Bid Solicitation - Electronic Payment Instruments

PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure:

1.1.1 Two (2) Overcenter Line Trucks – 18m Platform with options to procure two (2) additional Overcenter Line Trucks and ancillary items as described in Annex “A” Pricing and in accordance with Annex “B”- Purchase Description Line Truck..

1.1.2 Irrevocable options identified in Annex “A”- Pricing.

1.1.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

1.1.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex “A”- Pricing.

1.1.2.3 The options may be exercised within twelve (12) months after contract award.

1.2. Debriefings

Bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

1.3. Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

1.4 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The 2003 standard instructions is amended as follows:

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a "proprietary" nature must be clearly marked "proprietary" at each relevant item. Items identified as proprietary will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in *Ontario*.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

2.5 Improvement of Requirement during Solicitation Period

Should bidders consider that the specifications, Statement of Work or Purchase Description contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications
Section IV: Additional Information

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (Two (2) hard copies)
Section II: Financial Bid (One (1) hard copies)
Section III: Certifications (Two (2) hard copies)
Section IV: Additional Information (Two (2) hard copies)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Bidders should complete and submit with their bid the following;

- Annex "C" – Technical Evaluation Matrix – Overcenter Line Truck - 18m Platform

3.1.1 Substitute and Alternatives

Bidders may propose substitutes and alternatives where **equivalent** is indicated in the technical requirement description (Purchase Description/Statement of Requirement/Statement of Work). Offerors / suppliers are encouraged to offer or suggest green solutions whenever possible.

1. Substitutes and alternatives that are equivalent in form, fit, function and performance will be considered for acceptance by the Technical Authority where the Bidder:
 - (a) Clearly identifies a substitute and/or an alternative;
 - (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
 - (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
 - (d) Provides complete specifications and brochures, where applicable;

- (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
 - (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.
- 2. Substitutes and alternatives offered as equivalent in form, fit, function and performance will not be considered for acceptance by the Technical Authority if:
 - (a) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the evaluate the equivalency; or
 - (b) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.

Section II: Financial Bid

Bidders must submit their bid in accordance with the Basis of Payment specified in Part 6 and Annex A - Pricing.

3.1.2 Electronic Payment of Invoices – Bid


If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “D” Electronic Payment Instruments, to identify which ones are accepted.


If Annex “D” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must

be clearly indicated in the bid at time of bidding. The Bidder must submit form PWGSC-TPSGC 450  (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>), Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.

2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form PWGSC-TPSGC 450  (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>), for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications required under Part 5 - Certifications.

Section IV Additional Information

Canada requests that bidders submit the following information:

3.1.4 Delivery

Firm Quantity

While delivery of the vehicles is requested after 01 April 2020, the best delivery that can be offered is as follows:

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

Item 001 – One (1) Overcenter Line Truck - 18m Platform and related items will be delivered within _____ calendar days from the effective date of the contract.

Item 002 – One (1) Overcenter Line Truck - 18m Platform and related items will be delivered within _____ calendar days from the effective date of the contract.

Optional Quantity

If an option is exercised, the best delivery that can be offered is as follows:

Item 003 – Up to Two (2) Overcenter Line Truck - 18m Platform and ancillary items will be delivered within _____ calendar days after an option is exercised.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1. Evaluation Procedures

- a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.2 Technical Evaluation

4.1.2.1 Mandatory Technical Evaluation Criteria

- a) Bidders must demonstrate their compliance with all technical evaluation criteria detailed in Annex "C" - Technical Evaluation Matrix, by providing substantial information describing completely and in detail how each requirement is met or addressed. Simply repeating the statement contained in the bid solicitation is not sufficient.
- b) Bidders proposing substitutes and/or alternatives must submit, with their bid all the information requested as detailed in Part 3, section 2 - Substitutes and Alternatives to be considered for evaluation.

4.1.3 Mandatory Financial Evaluation Criteria

4.1.3.1 Bidders must provide, with their bid, the financial information requested in the bid solicitation and at Annex A - Pricing for items 001, 002, 003, 004, 005, 006, and 007.

4.1.3.2 The prices of the bid Bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001, item 002 and optional quantity item 003, Canadian dollars for Operation and Maintenance/training (option) item 004 to item 007. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.3.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity, the optional quantity and the familiarization instructions/training (option).

4.1.3.4 To determine the total price for the firm quantity, calculation will be as follows:

- a) The firm unit price for the firm quantity will be multiplied by their identified estimated quantities.

4.1.3.5 Since the optional quantities are to be exercised by provinces, the firm unit price for the optional quantity will be averaged.

To determine the average price for the optional quantities, calculation will be as follows:

- a) The firm unit price for the optional quantity for each province identified will be added; and
- b) The sum will be divided by five (5).

4.1.3.6 The firm unit price for the English and French familiarization instructions/training (option) will be averaged.

To determine the average price for the familiarization/training (option), calculation will be as follows:

- a) The firm unit price for the English and French familiarization/Instructions/training (option) will be added; and
- b) The sum will be divided by two (2).

4.1.3.7 To determine the aggregate evaluated price for the firm quantity, optional quantity and the familiarization instructions/training (option), calculation will be as follows:

- a) The average price for the optional quantity obtained in 4.1.3.5 (b) above will be multiplied by the total estimated optional quantity identified;
- b) The average price for the familiarization instructions/training (option) obtained in 4.1.3.6 (b) above will be multiplied by the total estimated optional quantity identified; and
- c) The result will be added to the total price for the firm quantity obtained in 4.1.3.4 (a) above.

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

4.2. Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated aggregate price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must

provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

5.2.3 Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive

5.2.3.1 Product Conformance

The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of the purchase description(s).

This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

Bidder's authorized representative signature

Date

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

5.2.3.2 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- b) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

Or

- c) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

PART 6 - RESULTING CONTRACT CLAUSES

6.1. Requirement

- 6.1.1** The Contractor must deliver Two (2) Overcenter Line Truck - 18m Platform and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description – Overcenter Line Truck - 18m Platform.
- 6.1.2** The Contractor grants to Canada irrevocable options identified in Annex "A"- Pricing.
- 6.1.2.1** The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.
- 6.1.2.2** The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A"- Pricing.
- 6.1.2.3** The options may be exercised within Twelve (12) months after contract award.

6.2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

2010A (2018-06-21) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

Delete subsection 2 in its entirety and replace it with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the

opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

All other provisions of the warranty section remain in effect.

6.3. Term of Contract

6.3.1 Delivery of the Vehicles

6.3.1.1 Firm Quantity

Delivery date of the vehicles must be made as follows:

Item 001 – One (1) Overcenter Line Truck - 18m Platform and ancillary items must be delivered on or before _____ *(Date to be inserted by PWGSC the Contracting Authority at time of contract award.)*

Item 002 - One (1) Overcenter Line Truck - 18m Platform and ancillary items must be delivered on or before _____ *(Date to be inserted by PWGSC the Contracting Authority at time of contract award.)*

6.3.1.2 Option Quantity

Item 003 – up to Two (2) Overcenter Line Truck - 18m Platform and ancillary items to be delivered within _____ calendar days after an option is exercised. *(Days to be inserted by PWGSC the Contracting Authority at time of contract award.)*

6.4. Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Stephanie Way
Title: Supply Specialist
Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
140 O'Connor Street, East Tower, 4th Floor (4145)
Ottawa, Ontario K1A 0S5
Telephone: 613-297-6500
E-mail address: stephanie.way@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.4.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)
Title: _____
Organization: _____

Telephone: ____-____-_____
E-mail: _____

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

6.4.3 Technical Authority:

The Technical Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.4.4 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____ - ____ - ____

E-mail: _____

Delivery follow-up

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____ - ____ - ____

E-mail: _____

6.4.5 After Sales Service

The following dealer and/or agent is authorized to provide after sales service, maintenance and warranty repairs and a full range of repair parts for the vehicle/equipment offered:

Item 001

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____ km

Item 002

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____ km

6.5. Payment

6.5.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm price(s) specified in Annex "A" - Pricing, and as follows:

6.5.1.1 Basis of Payment (BOP) Type 1

Firm unit prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.1.2 Basis of Payment (BOP) Type 2

Firm unit prices in Canadian dollars, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra. The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.1.3 Basis of Payment (BOP) Type 3

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/d10/v238/en>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.

When requested by Canada, the Contractor must provide an estimated cost and relevant information for the travel and living.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

6.5.2 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);
- c. Wire Transfer (International Only);

6.5.3 SACC Manual Clauses

C6000C	Limitation of price	2017-08-17
H1001C	Multiple Payments	2008-05-12
C3015C	Exchange rate fluctuation adjustment	2017-08-17

6.6 Invoicing Instructions

6.6.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions including the Client Ref # BT019. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors /suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

6.6.2 Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment:

National Defence Headquarters
Mgen George R. Pearkes Bldg
101 Colonel By Drive
Ottawa, Canada
K1A 0K2

Attention: DLP _____

- (b) One (1) copy must be forwarded to the PWGSC Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.6.3 Holdback

A ten percent (10%) holdback will apply on the total price of each vehicle item 001 to item 003 on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by inspection authority of the said vehicle and all ancillary items as identified in Annex "A" - Pricing.

Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Taxes payable as it was claimed and payable under the previous invoice.

- (a) The original and one (1) copy of the invoice for the holdback must be forwarded to the Procurement Authority identified under the section entitled "Authorities" of the Contract.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.7. Certifications

6.7.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.8 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.9 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2018-06-21) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description – Overcenter Line Truck - 18m Platform;
- (e) Annex "C" - Technical Evaluation Matrix – Overcenter Line Truck - 18m Platform; and
- (f) the Contractor's bid dated _____

6.10 SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
A9062C	Canadian Forces Site Regulations	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2017-08-17
D3010C	Delivery of Dangerous Goods / Hazardous Products	2016-01-28
D5545C	ISO 9001:2000 - Quality Management Systems - Requirements (QAC C)	2010-08-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2016-01-28

6.11 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.12 Preparation for Delivery

The vehicle / equipment must be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to inspection authority or consignee personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicle(s) to inspection authority or consignee.

6.13 Shipping Instructions - Delivery at Destination

- 6.13.1** The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A"- Pricing). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs

clearance, including the payment of customs duties and taxes.

6.13.2 The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the contacts specified in Annex "A"- Pricing. The consignee may refuse shipments when prior arrangements have not been made.

6.14 Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) calendar days from the effective date of the Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Technical Authority after contract award to review technical and contractual requirements. The Contractor shall be responsible for the preparation and distribution of the minutes of meeting within five (5) calendar days after the meeting has been held. The meeting will be held at the Contractor's facilities or at the Department of National Defence facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Department of National Defence and Public Works and Government Services Canada.

6.15 Progress Reports

The Contractor must submit monthly reports, in electronic format, on the progress of the Work, to both the Technical Authority and the Contracting Authority.

Each progress report must address the following questions:

- (a) Is the delivery on schedule?
- (b) Is the Contract free of any areas of concern in which the assistance or guidance of Canada may be required?
- (c) Each negative response must be supported with an explanation.

6.16 Tools and Loose Equipment

For shipment verification, all items and tools, which are shipped loose with the vehicle/equipment must be listed on the Inspection Certificate (CF 1280) or on an attached packing note.

6.17 Material

Material supplied must be new unused and of current production by manufacturer. (2019 model-year or newer).

6.18 Design Changes

The "Design Change, Design Deviation and Waiver Procedure" as defined in National Defence Standard D-02-006-008/SG-0001 must apply.

6.19 Interchangeability

Unless changes during the production run are authorized by Contracting Authority, all vehicles supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

6.20 Packaging

The methods used for preservation and packaging must be in conformity with the Contractor's normal standard for domestic shipment or, if necessary, with standards for overseas shipment as below deck cargo.

6.21 Service at Delivery

The Contractor must send a Service Representative to each delivery destination to perform the assembly/preparation on all vehicles delivered. Cost to provide this service must be included in the price of each vehicle.

6.22 Vehicle Recall Notices

All vehicle recall notices must be forwarded to:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A 0K2

Attention: *(designation and name of TA to be inserted by PWGSC at contract award)*

ANNEX "A" - PRICING

Item 001 Overcenter Line Truck - 18m Platform (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD and paper of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, special tools list, Recommended spare parts kit list, Dimensioned Drawings, Cataloguing Information, Bilingual Training Video and Operator and Maintenance training (English) in accordance with the attached Annex "B" - Purchase Description – Overcenter Line Truck - 18m Platform.

The Overcenter Line Truck - 18m Platform and ancillary items must be delivered to:

CFB Montreal
Section Équipement Majeur
Bâtisse 7 sud
6363 Notre-dame Est
Montreal Quebec H1N 3V9

Delivery contact: _____ (Name to be inserted by PWGSC at time of contract award.)

Date of delivery: _____ (Date to be inserted by PWGSC at time of contract award.)

Firm unit price of \$ _____ per vehicle, including all equipment and ancillary items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: One (1)

Item 002 Overcenter Line Truck - 18m Platform (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD and paper of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, special tools list, Recommended spare parts kit list, Dimensioned Drawings, Cataloguing Information, Bilingual Training Video and Operator and Maintenance training (English) in accordance with the attached Annex "B" - Purchase Description – Overcenter Line Truck - 18m Platform.

The Overcenter Line Truck - 18m Platform and ancillary items must be delivered to:

Major Equipment Section
Bldg 593
CFB/ASU Wainwright
Denwood, AB T0B 1B0

Delivery contact: _____ (Name to be inserted by PWGSC at time of contract award.)

Date of delivery: _____ (Date to be inserted by PWGSC at time of contract award.)

Firm unit price of \$ _____ per vehicle, including all equipment and ancillary items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: One (1)

Item 003 Overcenter Line Truck - 18m Platform (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including manuals and warranty letters in accordance with the attached Annex "B" - Purchase Description – Overcenter Line Truck - 18m Platform

For Destinations in British Columbia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Alberta and Saskatchewan;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Manitoba;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Ontario and Quebec;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in New Brunswick and Nova Scotia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment Type 1 (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 004 Operator training - English (Option)

If this option is exercised, the Contractor must provide Operator instruction/training, in accordance with the attached Annex "B"- Purchase Description - Overcenter Line Truck - 18m Platform

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: up to Two (2)

Item 005 Maintenance instructions training - English (Option)

If this option is exercised, the Contractor must provide Maintenance instruction/training, in accordance with the attached Annex "B"- Purchase Description - Overcenter Line Truck - 18m Platform

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: up to Two (2)

Item 006 Operator training - French (Option)

If this option is exercised, the Contractor must provide Operator training, in accordance with the attached Annex "B"- Purchase Description - Overcenter Line Truck - 18m Platform

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: up to Two (2)

Item 007 Maintenance instructions training - French (Option)

If this option is exercised, the Contractor must provide Maintenance instruction/training, in accordance with the attached Annex "B"- Purchase Description - Overcenter Line Truck - 18m Platform

Firm unit price of \$_____ in accordance with Basis of Payment Type 2(as detailed at Clause 6.5.1 Basis of Payment).

Quantity: up to Two (2)

Item 008 Travel and Living for Operator and Maintenance Instruction/Training (Option)

(Item 008 will not be included in the financial evaluation)

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.
When requested by Canada, the Contractor must provide an estimated cost for the travel and living.

Estimated cost: \$(to be inserted by PWGSC if an option is exercised)
Operator and Maintenance Instruction/Training, for Travel and Living expenses, Delivered Duty Paid at destination, in accordance with Clause 6.5.1, Basis of Payment Type 3.

Quantity: up to Two (2)

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

ANNEX “D” TO PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- () Direct Deposit (Domestic and International);
- () Electronic Data Interchange (EDI);
- () Wire Transfer (International Only);



ANNEX B

PURCHASE DESCRIPTION FOR

Overcenter Line Truck - 18m Platform



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.

OPI DSVPM 5 – DAVPS 5

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du chef d'état-major de la Défense

© 2019 DND Canada
RDIMS # 4951814

Canada



Table of Contents

1.	SCOPE	5
1.1	Scope	5
1.2	Instructions	5
1.3	Definitions	5
2.	APPLICABLE DOCUMENTS	6
2.1	Applicable Documents	6
3.	REQUIREMENTS	7
3.1	Standard Design	7
3.2	Operating Conditions	7
3.2.1	Weather	7
3.2.2	Terrain	7
3.3	Safety Standards	7
3.3.1	Vehicle Safety Regulations	7
3.3.2	Human Factors Engineering	8
3.4	Vehicle Performance, Ratings and Dimensions	8
3.4.1	Performance	8
3.4.2	Weight Ratings	8
3.4.3	Dimensions	8
3.5	Frame	8
3.6	Outriggers/Torsion Bar	8
3.7	Engine Requirements	8
3.7.1	Engine Components	8
3.7.2	Cold Weather Starting Aids	9
3.7.3	Exhaust System	9
3.7.4	Fuel Tank(s)	9
3.8	Power Train	9
3.9	Transmission	9
3.10	Braking Requirements	9
3.10.1	Brakes	9
3.10.2	Brake Interlock	10
3.11	Suspension System	10
3.12	Steering	10
3.13	Wheels, Rims and Tires	10
3.14	Cab	10
3.15	Storage Cabinets	11



3.16	Equipment Requirements	11
3.16.1	Aerial Device	11
3.16.2	Aerial Device Load Alert System	12
3.16.3	Aerial Device Controls	12
3.16.4	Emergency Aerial Device Operation	12
3.16.5	Batteries	12
3.16.6	Platform	12
3.16.7	Jib	13
3.16.8	Front Winch	13
3.16.9	Rear Winch:	14
3.17	Miscellaneous Equipment	14
3.18	Towing	14
3.19	Accessories	14
3.20	Hydraulic System	15
3.20.2	Lubricants and Fluids	15
3.21	Electrical System	15
3.22	Lighting	15
3.23	Controls	15
3.24	Instruments	15
3.25	Paint	16
3.26	Retroreflective Tape	16
3.27	Corrosion Protection	16
3.28	Warning, Markings and Instruction Plates	16
3.29	Vehicle identification	16
4.	INTEGRATED LOGISTIC SUPPORT	17
4.1	Vehicle Manuals	17
4.1.1	Operator's Manuals	17
4.1.2	Parts Manual(s)	17
4.1.3	Maintenance Manuals	17
4.1.4	Manual Delivery to Technical Authority	17
4.1.5	Manual Delivery with Vehicle	17
4.1.6	Electronic Format	18
4.1.7	Provisional Manuals	18
4.1.8	Manual Supplements	18
4.1.9	Translation and Reproduction Rights	18
4.1.10	Changes to Manuals	18
4.2	Warranty Letter	18



4.2.2	Warranty Letter Delivery	18
4.3	Other ILS Deliverables to Technical Authority	19
4.3.1	Data Summary	19
4.3.2	Photographs	19
4.3.3	Dimensioned Drawing	19
4.3.4	Special Tools List	19
4.3.5	Preventive Maintenance Replacement Parts Kit List (PMRPKL)	19
4.3.6	Cataloguing Information	19
4.4	Safety Recalls and Servicing Data	20
4.5	Initial Parts Kit	20
4.6	Training	20
4.6.1	Maintenance Training	20
4.6.2	Maintenance Training Curriculum	20
4.6.3	Training Materials	20
4.7	Familiarization Training	21

1. SCOPE

1.1 Scope

- a) This document describes a 4x4 service platform truck, telescopic articulating, overcentre and hydraulically powered aerial device.

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) “**Technical Authority**” - The government official responsible for technical content of this requirement.
- b) “**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.
- c) “**Vehicle**” – The entire vehicle/trailer including all systems and sub-systems, in a complete manufactured state in accordance with the requirements in this Purchase Description.
- d) “**Road Legal**” – Applies to a self-propelled vehicle designed for the transportation of persons, property, material or permanently or temporarily affixed apparatus on a highway.
- e) “**5th percentile adult female**” – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 46.3 kilograms, height of 1499 millimetres, erect sitting height of 785 millimetres, normal sitting height of 752 millimetres, hip sitting breadth of 325 millimetres, hip sitting circumference of 925 millimetres, waist sitting circumference of 599 millimetres, chest depth of 191 millimetres, bust circumference of 775 millimetres, chest upper circumference of 757 millimetres, chest lower circumference of 676 millimetres, knee height of 455 millimetres, popliteal height of 356 millimetres, elbow rest height of 180 millimetres, thigh clearance height of 104 millimetres, buttock-to-knee length of 518 millimetres, buttock-to-poples length of 432 millimetres, elbow-to-elbow breadth of 312 millimetres and seat breadth of 312 millimetres.
- f) “**95th percentile adult male**” – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 97.5 kilograms, height of 1849 millimetres, erect sitting height of 965 millimetres, normal sitting height of 930 millimetres, hip sitting breadth of 419 millimetres, hip sitting circumference of 1199 millimetres, waist sitting circumference of 1080 millimetres, chest depth of 267 millimetres, chest circumference of 1130 millimetres, knee height of 594 millimetres,

popliteal height of 490 millimetres, elbow rest height of 295 millimetres, thigh clearance height of 175 millimetres, buttock-to-knee length of 640 millimetres, buttock-to-poples length of 549 millimetres, elbow-to-elbow breadth of 506 millimetres and seat breadth of 404 millimetres.

- g) **“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.
- h) **“Gross Vehicle Weight Rating (GVWR)”** - The value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

2. 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 A92.2 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

CSA W47.1 Certification of Companies for Fusion Welding Steels

CSA W59 Welded Steel Construction (Metal Arc Welding)

CSA W59.2 Welded Aluminum Construction

3. 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 vehicle **must** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture. International equivalent laws, regulations, and industrial standards will be accepted only if certified for equivalency by a professional engineer.
- e) **Published Ratings** - The vehicle **must** have system and component capacities equivalent to published ratings (i.e. product or component brochures).
- f) **Standard Components** - The vehicle **must** include all standard components, equipment and accessories for the model offered, although they may not be specifically described in this Purchase Description.
- g) **Spare Parts** - The manufacturer **must** select components readily available for a minimum period of ten years from the date of manufacture.
- h) **Hazardous Materials** - The contractor **must** comply with Hazardous Products Act of Canada concerning the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the manufacture and assembly of the product supplied.
- i) **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 (-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 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;
- d) The vehicle **must** be equipped, with warning and instruction plates, non-slip walking surfaces and heat shields, for operator safety; and

3.4 Vehicle Performance, Ratings and Dimensions

3.4.1 Performance

- a) The vehicle, at GVWR, **must** sustain a minimum top speed of 110 kilometers per hour (65 miles per hour) on a level paved road.
- b) The vehicle **must** have both an angle of approach and an angle of departure of at least 8 degrees.

3.4.2 Weight Ratings

- a) The GVWR of the vehicle **must** not be less than the sum of the unloaded vehicle mass, the cargo carrying capacity, and the product obtained by multiplying the designated seating capacity by 68kg as defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)*.
- b) Each GAWR **must** be equal to or less than the load rating of the weakest component in the axle system, i.e., axle housing, suspension, wheels, or tires.
- c) The total load on each axle of the vehicle/trailer **must** not exceed the GAWR for that axle.
- d) Axle loads **must** comply with all the provincial weight restrictions across Canada.

3.4.3 Dimensions

- a) The vehicle **must** have road legal dimensions across Canada;
- b) The vehicle minimum ground clearance **must** be 300 millimetres (12 inches).

3.5 Frame

- a) The frame **must** be manufactured for use in all conditions specified in Paragraphs 3.2, 3.3 and 3.4.

3.6 Outriggers/Torsion Bar

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

3.7 Engine Requirements

3.7.1 Engine Components

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

- c) A combustion air cleaning system **must** be provided, with an air cleaner restriction indicator visible to the operator.
- d) A full flow replaceable oil filter **must** be installed.
- e) An engine shutdown or de-rate system **must** be provided, including a visual warning indicator visible from the operator position.

3.7.2 Cold Weather Starting Aids

- a) A low temperature engine starting aid **must** be provided.
- b) A thermostatically controlled in-line fuel heater **must** be provided.
- c) A 110 Volt battery heater(s) **must** be provided.
- d) The battery **must** be housed in an insulated battery box, blanket or heated cab.

3.7.3 Exhaust System

- a) The vehicle **must** be equipped with a vertical exhaust system shielded to prevent personnel contacting a heated surface.
- b) The exhaust system **must** prevent entry of rain.

3.7.4 Fuel Tank(s)

- a) The fuel tank(s) **must** have a fuel capacity that will provide the greater of: at least 500 km of fully laden cruise or ten continuous hours of operations.
- b) If more than one fuel tank is used, separate fuel gauges **must** be provided.

3.8 Power Train

- a) The vehicle **must** be 4x4 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).

3.9 Transmission

- a) The vehicle **must** be equipped with mechanical, automatic or hydrostatic continuous drive transmission.
- b) The transmission **must** have an oil cooler.
- c) The transmission shift control **must** clearly indicate the transmission selection status under all lighting conditions.
- d) A transmission oil dipstick or any other means to determine oil level **must** be provided.
- e) An audible back-up alarm **must** be installed to alert personnel that the vehicle transmission is in reverse.

3.10 Braking Requirements

3.10.1 Brakes

- a) The vehicle **must** be equipped with a hydraulic or air braking system, including a parking brake.
- b) The braking system **must** include an anti-lock (ABS) brake system.

3.10.2 Brake Interlock

- a) A brake interlock **must** be provided to prevent the vehicle from being moved in accordance with ANSI 92.2 section 4.5.5.
- b) A brake interlock **must** be provided to prevent the vehicle from being moved when the outriggers or stabilizers are activated.

3.11 Suspension System

- a) The vehicle **must** be equipped with a heavy-duty on/off highway suspension system designed to operate under the conditions listed in sections 3.2.1, and 3.2.2

3.12 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.

3.13 Wheels, Rims and Tires

- a) Tires and rims **must** be selected in accordance with MVSR Technical Standards Documents No. 120, Revision 1R.
- b) Tires **must** have a tread pattern for use in the operating conditions described in Paragraph 3.2.
- c) The wheels, tires and rims **must** include valve extensions for inner tires, if used, to allow for easy access;
- d) One full size spare tire assembly **must** be delivered and installed with each vehicle.
- e) Spare tire must have a dedicated stowage area which secures the tire during transport

3.14 Cab

- a) The vehicle **must** be equipped with a two-person weatherproof cab.
- b) A fully adjustable driver's and passenger seat **must** be provided, with suspension and arm rests.
- c) A minimum of two doors **must** be provided with power locks, be keyed alike.
- d) A ventilation/heater and defrosting system **must** be provided, with a multi-speed fan, applicable for the operating conditions as specified in Paragraph 3.2.1.
- e) An air conditioning system **must** be provided equipped with all components and controls required for regulation of the cab interior temperature.
- f) A powered windshield washer system **must** be provided with multi-speed wipers, where the wiper blades **do not** travel from a vertical centre windshield position to a horizontal position near the roof line.
- g) The cab floor or floor mats **must** be weatherproof.
- h) Two rotating interior sun visors **must** be installed.
- i) A back-up camera system **must** be installed in the cab with a screen size of at least 170 millimetres (7 inches).
- j) The back-up camera screen **must** be an in console style mount.
- k) An AM/FM stereo radio with an auxiliary port **must** be provided.
- l) Two heavy-duty, powered and heated exterior side mirrors, with convex section, **must** be provided with in-cab controls.

3.15 Storage Cabinets

- a) The vehicle **must** be equipped with fiberglass storage cabinets.
- b) The vehicle **must** be equipped with a minimum of eight side vertical compartments, four per side, with the following minimum dimensions:
 - i. Height – 1 100 millimetres (42 inches)
 - ii. Width – 680 millimetres (27 inches)
 - iii. Depth – 380 millimetres (15 inches).
- c) The vehicle **must** be equipped with a minimum of two horizontal compartments, one per side, with the following minimum dimensions:
 - i. Height – 610 millimetres (20 inches)
 - ii. Width – 1 250 millimetres (50 inches)
 - iii. Depth – 380 millimetres (15 inches).
- d) The vehicle must be equipped with one Ladder storage compartment located above the driver side cabinets.
- e) The storage compartments **must** be weatherproof to prevent the ingress of water.
- f) All compartments **must** be equipped with:
 - i. Stainless steel or cadmium plated hinges, pins, and hardware;
 - ii. Mechanism designed to hold the horizontal compartment doors open at a minimum of 110 degrees;
 - iii. Mechanism designed to hold the vertical compartment doors open at a minimum of 110 degrees;
 - iv. Shelves/bottom lined with non-slip safety matting to prevent shifting of tools while in motion;
 - v. Drawers with lock in/out latches;
 - vi. Removable shelves with a minimum of 45 kilograms (100 pounds) load capacity;
 - vii. Maximum load capacity for all drawers and shelves clearly marked on the inside of the compartment doors; and
 - viii. Perimeter door seals installed on the doors or doorframes.
- g) The vehicle **must** have a removable vice holder complete with a 150 millimetre (6 inch) vice mounted on rear deck.
- h) All cabinets must have led strip lightning such as Grote 61G01 or equivalent

3.16 Equipment Requirements

3.16.1 Aerial Device

- a) The vehicle **must** be equipped with an aerial device.
- b) The aerial device **must** be an articulated over-center design.
- c) The aerial device **must** be certified category “C” according to ANSI /SIA A92.2 standard.
- d) The aerial device **must** have a minimum platform height of 18 meters (60 feet), measured from the ground to the bottom of the platform;
- e) The aerial platform **must** be equipped with two end mounted one-man fibreglass buckets.

- f) The aerial platform **must** be equipped with a lower boom lift eye with a minimum lifting capacity of 315 kilograms (694 pounds).
- g) The aerial platform **must** have a minimum 350 degree rotation about the vertical axis.
 - i. If continuous 360 degree rotation is supplied, a worm gear complete with side load protection to protect against rotation damage **must** be provided.
 - ii. If non-continuous is used, the rotation stop **must** be at forward centre of turret to allow free rotation at rear of vehicle.

3.16.2 Aerial Device Load Alert System

- a) The aerial device **must** be equipped with a load alert system.
- b) The load alert system **must** alert the operator of overload if the aerial device is loaded beyond its operational limits.

3.16.3 Aerial Device Controls

- a) Upper (in or beside the platform) and lower controls (at the rear of the vehicle) **must** be set.
- b) Upper controls **must** be one hand, one-lever, pistol grip type controls.
- c) Upper and lower controls **must** include:
 - i. Two-speed throttle control; and
 - ii. A bucket dump feature, manual or hydraulic.

3.16.4 Emergency Aerial Device Operation

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

3.16.5 Batteries

- a) The vehicle **must** be supplied with heavy-duty, maintenance free batteries, compliant with ULC-S515 Chapter 12.
- b) Batteries **must** be mounted in an accessible, protected and ventilated location.
- c) The batteries **must** be rated to exceed the draw, in the required operating conditions.

3.16.6 Platform

- a) One one-man, fibre-reinforced plastic 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 136 kilograms (300 pounds).
- d) The platform **must** have an automatic hydraulic bucket levelling system.
- e) The platform **must** have a mount to include a hydraulic bucket rotator to provide bucket rotation from the stowed position to the boom tip.
- f) The bucket **must** rotate a minimum of 90 degrees about the boom tip.
- g) The platform **must** have anchorage for fall protection.

- h) The platform **must** have a bucket covering system.
- i) The platform **must** have removable tool trays suitable for the bucket and liner provided.

3.16.7 Jib

- a) A hydraulic extending jib **must** be provided.
- b) The jib **must** be equipped with a jib winch.
- c) The minimum bare drum rated jib winch capacity **must** be at least 454 kilograms (1000 pounds).
- d) The jib winch **must** be equipped with a minimum 21 meter (70 feet) nylon rope.
- e) The jib winch cable **must** be supplied with a mechanical spliced eye at the end.
- f) The jib **must** have the following minimum lifting capacity of 862 kilograms (1 900 pounds) at 0 degrees with all booms extended.

3.16.8 Front Winch

- a) A hydraulic front winch shall be provided. It **must** be mounted behind an extended front bumper.
- b) The front winch **must** be mounted behind an extended front bumper.
- c) The hydraulic winch **must** have a minimum top layer capacity of 9 kilograms (20 000 pounds).
- d) The front winch **must** include a 76 meter (250 feet) long cable.
- e) The front winch cable **must** be supplied with a mechanical spliced eye at the end, of equal or greater strength than the cable.
- f) 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.
- g) The front winch **must** operate using a wireless remote control unit, powered in both directions.
- h) The front winch **must** include a snatch block rated to withstand a double line pull capacity of the winch.
- i) The front winch **must** be equipped with cable guide roller system assembly.
- j) The front winch **must** have controls located in the cab.

3.16.9 Rear Winch:

- a) A hydraulic rear winch **must** be provided.
- b) The hydraulic rear winch **must**:
 - i. Be a 450 millimetre (18 inch) drum;
 - ii. Have a minimum rated capacity of 9 072 kilograms (20 000 pounds) on the first layer of cable;
 - iii. Be equipped with a limiting device to restrict the line pull capacity to 9 072 kilograms (20 000 pounds);
 - iv. Be equipped with a drum with a 107 metre (350 feet) long cable.
 - v. Have an automatic safety brake and a drag brake;
 - vi. Be power operated in both directions;
 - vii. Have a free drum in neutral position;
 - viii. Have power controls mounted on the derrick control panel;
 - ix. Have a swivel pulley installed at the rear of the body to accommodate 12 millimetre (1/2 inch) cable; and
 - x. Have controls located in the cab.
- c) The rear winch cable **must** be supplied with a mechanical spliced eye at the end, of equal or greater strength than the cable.

3.17 Miscellaneous Equipment

- a) Two safety harnesses and fall arrest shock absorbing type lanyards **must** be provided.
- b) Two sets of two tow hooks **must** be provided one at the front and one rear of the truck.
- c) Safety triangles **must** be provided.
- d) First aid kit **must** be provided.
- e) Two stone deflectors **must** be incorporated under the rear wheel wells.
- 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.

3.18 Towing

- a) The vehicle **must** have a minimum towing capacity of 11 340 kg (25 000 lbs).
- b) The vehicle **must** be equipped with a rear pintle hook complete with appropriate chassis frame reinforcement.
- 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.

3.19 Accessories

- a) Front licence plate holder **must** be provided.
- b) Rear licence plate holder with LED light **must** be provided.
- c) Towing hooks **must** be provided at the front and rear of the vehicle rated to tow a vehicle of equivalent GVWR.

- d) Mud flaps or equivalent **must** be provided.

3.20 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) Clearly marked test ports **must** be provided.
- e) Hydraulic overload protection system must be provided.

3.20.2 Lubricants and Fluids

- a) All lubricants and fluids provided **must** meet the operating conditions specified in Paragraph 3.2.1.

3.21 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) An alternator **must** be provided.
- e) Three 120 Volt, 60 Hertz power outlets **must** be provided with protective covers and positioned at:
 - i. One flush mounted at the rear of the vehicle.
 - ii. One flush mounted behind the cab at the curb side of the vehicle.
 - iii. One on the vehicle storage cabinet or equivalent in proximity of the vice.

3.22 Lighting

- a) The vehicle **must** be equipped with LED lights, where possible.
- b) Lights **must** be recessed or otherwise protected from damage with all components accessible for servicing.
- c) One amber coloured beacon light mounted on the cab roof.
- d) In-cab instrument panel lights **must** be dimmable.
- e) At least three adjustable work lights **must** be provided, mounted to illuminate the rear of the vehicle and each of the sides.

3.23 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) Controls **must** not restrict the operator's field of view.
- d) Control panel lights **must** be provided for adequate lighting for night-time operations.

3.24 Instruments

- a) A boom stowed position indicator mounted in the cab **must** be included.

- b) Indicator lights **must** be provided next to the PTO controls or equivalent, to show when the power-take-off is engaged.
- c) Instruments **must** be metric and visible to the seated operator in all lighting conditions.
- d) An ammeter, voltmeter or charging indicator **must** be provided.
- e) An engine coolant temperature indicator **must** be provided.
- f) A hydraulic oil temperature and level indicator **must** be provided.
- g) An engine oil pressure indicator **must** be provided.
- h) An hour-meter with numeric display, which accurately records accumulated engine running time up to at least 9 999 hours **must** be provided.
- i) A fuel level indicator **must** be provided.
- j) A speedometer **must** be provided.
- k) An engine tachometer **must** be provided.
- l) Differential lock indicator **must** be provided.

3.25 Paint

- a) All metal surfaces **must** be protected.
- b) The prime coating **must** be a high durability, corrosion resistant type, such as an epoxy.

3.26 Retroreflective Tape

- a) Retroreflective tape **must** be placed on the vehicle in accordance with the Motor Vehicle Safety Regulations (MVSr) C.R.C 1038 sec 108.

3.27 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 crown rust control or equivalent.

3.28 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.

3.29 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. INTEGRATED LOGISTIC SUPPORT

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

4.1.1 Operator's Manuals

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

4.1.2 Parts Manual(s)

- a) The parts manual(s) **must** be in English (bilingual is desirable).
- b) 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.
- c) 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.
- d) 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.

4.1.3 Maintenance Manuals

- a) The maintenance manual **must** be bilingual.
- b) The maintenance manual **must** include a trouble shooting 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.

4.1.4 Manual Delivery to Technical Authority

- a) Sample manuals **must** be submitted to the Technical Authority (TA) prior to the delivery of the vehicle/trailer for each model and or sub-system for approval. Sample manuals will not be returned.
- b) One (1) complete set of approved manuals (Operator's, Maintenance, and Parts) in electronic format **must** be delivered to the Technical Authority.

4.1.5 Manual Delivery with Vehicle

- a) One (1) complete set of manuals (Operator's, Maintenance, and Parts) **must** accompany each vehicle, shipped to each location.

- b) The manuals **must** be in paper and electronic format.

4.1.6 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.

4.1.7 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.

4.1.8 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 4.1.4 and 4.1.5.

4.1.9 Translation and Reproduction Rights

- a) The Canadian Government **must** reserve the right to translate and reproduce, for Government use only, all or any part of the publications supplied, including the training packages delivered against the contract agreement.

4.1.10 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.

4.2 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.

4.2.2 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.

4.3 Other ILS Deliverables to Technical Authority

4.3.1 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.

4.3.2 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.

4.3.3 Dimensioned Drawing

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

4.3.4 Special Tools List - If applicable, the Contractor **must provide an itemized list of specific special tools required for the servicing and repair of the vehicle and include:**

- a) Item name;
- b) Contractor's part number;
- c) Manufacturer's part number (OEM);
- d) Quantity recommended per delivery location;
- e) Unit price; and
- f) Unit of issue.

4.3.5 Preventive Maintenance Replacement Parts Kit List (PMRPKL) - The contractor **must provide a list detailing the parts that are required to perform preventive maintenance to the system for a period of 12 months, and include:**

- a) Item name;
- b) Contractor's part number;
- c) Manufacturer's part number (OEM);
- d) Manufacturer's NATO Supply code (NCAGE) or name and address;
- e) NSN (NATO Stock Number) (if known);
- f) Quantity per equipment;
- g) Quantity recommended;
- h) Unit price; and
- i) Unit of issue.

4.3.6 Cataloguing Information

- a) The information **must** be in accordance with the terms of the contract in SACC Clause B4061C with the exception of paragraph 8.
- b) The Contractor **must** provide, upon request, the information necessary to catalogue the parts for the vehicle.

- c) The Contractor **must** supply the information within 60 days after the request is made.

4.4 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.

4.5 Initial Parts Kit

- a) One initial parts kit **must** be delivered with each vehicle.
- b) Each kit **must** include a complete set of filters and filter elements from the Original Equipment Manufacturer (OEM) required in the first 12 months of service.
- c) One kit per location **must** include the special tools listed in Paragraph 4.3.4.

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) The course **must** include:
 - i. a complete tour and description of the vehicle;
 - ii. a walkthrough of the troubleshooting manual;
 - iii. the maintenance plan and & certification schedules; and
 - iv. students **must** be provided with hands-on instruction covering the main troubleshooting procedures of the vehicle.
- f) 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 4.6.4 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 (10 % of classroom time) **must** be included in the curriculum.
- d) Trouble shooting, testing, and adjustments (70 % of classroom time) **must** be included in the curriculum.
- e) Special tools and test equipment **must** be included in the curriculum (if applicable).

4.6.3 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.

4.7 Familiarization Training

- a) The Contractor **must** perform at least one-day (eight hours) familiarization instruction at each destination, for a maximum of eight personnel (at each destination).
- b) The instruction **must** include the detailed operation and normal servicing of the vehicle/equipment and will be attended by CAF operators and maintainers.
- c) Familiarization instructions **must** be available in both official languages for destinations in the province of Quebec or as requested by the Technical Authority.
- d) The final dates **must** be arranged with the Technical Authority.
- e) The course **must** include:
 - i. a hands-on walkthrough of the vehicles main operations;
 - ii. available safety equipment and systems available to the operator;
 - iii. certification schedule; and
 - iv. location of confirmation of certification plates or stickers.
- f) After completion of the familiarization session, the Contractor **must** have a “**PROOF OF FAMILIARIZATION INSTRUCTION**” certificate signed by the consignee. The Technical Authority will supply this document in an electronic format, when requested.

Technical Evaluation Matrix
Overcenter Line Truck 18m Platform

Annex C
Technical Evaluation Matrix

Title:
Overcenter Line Truck 18m Platform

Date:
01/06/2019

Technical Evaluation Matrix
Overcenter Line Truck 18m Platform

Bidder Information

Bidder Name: _____
Proposal Date: _____
Proposed Make and Model: _____

Technical Mandatory Criteria			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal
3.8 a)	The vehicle must be 4x4 drive.	Substantive Information	
3.10.1 a)	The vehicle must be equipped with a hydraulic braking system, including a parking brake.	Substantive Information	
3.4.2 c)	The total load on each axle of the vehicle/trailer must not exceed the GAWR for that axle.	Estimated Weight Distribution Calculations	

Technical Evaluation Matrix
Overcenter Line Truck 18m Platform

Technical Mandatory Criteria			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal
3.16.1 b)	The aerial device must be an articulated over-center design.	Substantive Information	
3.16.1 c)	The aerial device must be certified category "C" according to ANSI /SIA A92.2 standard.	Substantive Information	
3.16.1 d)	The aerial device must have a minimum platform height of 18 meters (60 feet), measured from the ground to the bottom of the platform;	Substantive Information	

Technical Evaluation Matrix
Overcenter Line Truck 18m Platform

PD Reference	Proposed Equivalents		
	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal

Solicitation No. - N° de l'invitation
W8476-206185/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP929

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

HP929. W8476-206185

ANNEX “D” TO PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- () Direct Deposit (Domestic and International);
- () Electronic Data Interchange (EDI);
- () Wire Transfer (International Only);