



**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

Title - Sujet Ambulance type 1 4x4	
Solicitation No. - N° de l'invitation W8476-206093/A	Date 2019-04-29
Client Reference No. - N° de référence du client W8476-206093	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-912-76980	
File No. - N° de dossier hp912.W8476-206093	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-06-10	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: Pearson, Neil	Buyer Id - Id de l'acheteur hp912
Telephone No. - N° de téléphone (613) 462-6793 ()	FAX No. - N° de FAX (613) 943-7620
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

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

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

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Solicitation No. - N° de l'invitation
W8476-206093/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP912

Client Ref. No. - N° de réf. du client
W8476-206093

File No. - N° du dossier
hp912.W8476-206093

CCC No./N° CCC - FMS No/ N° VME

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PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure:

1.1.1 Quantity two (2) Ambulance 4x4 Type I and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description Ambulance 4x4 Type I.

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 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 (2018-05-22) 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:

Section 08, entitled Transmission by facsimile or by epost Connect, is amended as follows:

subsection 2. is deleted entirely and replaced with the following:

2. epost Connect

a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the epost Connect service provided by Canada Post Corporation.

- i. PWGSC, National Capital Region: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC headquarters is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca
or, if applicable, the email address identified in the bid solicitation.

- ii. PWGSC regional offices: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.

b. To submit a bid using epost Connect service, the Bidder must either:

- i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for epost Connect provided by Canada Post Corporation; or
- ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.

- c. If the Bidder sends an email requesting epost Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate an epost Connect conversation. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
- d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after the solicitation closing date and time.
- e. The bid solicitation number should be identified in the epost Connect message field of all electronic transfers.
- f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the Bid Receiving Unit address specified in the solicitation in order to register for the epost Connect service.
- g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
- i. receipt of a garbled, corrupted or incomplete bid;
 - ii. availability or condition of the epost Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or,
 - viii. inability to create an electronic conversation through the epost Connect service.
- h. The Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the epost Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or the Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.
- i. Bidders must ensure that they are using the correct email address for the Bid Receiving Unit when initiating a conversation in epost Connect or communicating with the Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the epost Connect system.
- j. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.

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 on page 1 of 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 is simultaneously providing a hard copy of the bid using another acceptable delivery method, and if there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the soft copy will have priority over the wording of the hard copy.

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 (2 hard copies)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (2 hard copies)
- Section IV: Additional Information (1 hard copy)

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) (<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 – Ambulance 4x4 Type I

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)  (<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 vehicle(s) is requested by 07 February 2020, the best delivery that can be offered is as follows:

Item 001 – Quantity two (2), Ambulance 4x4 Type I 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 002 – Quantity Up to two (2), Ambulance 4x4 Type I 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 to 004.

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 items 001 and optional quantity item 002, Canadian dollars for Operator and Maintenance instructions/training (option) items 003 and 004. 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 operator and maintenance 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 operator and maintenance instructions/training (option) will be averaged.

To determine the average price for the operator and maintenance instructions /training (option), calculation will be as follows:

- a) The firm unit price for the operator and maintenance instructions /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 operator and maintenance 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 operator and maintenance 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.

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](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) 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 procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed Annex "E" titled "Federal Contractors Program for Employment Equity – Certification", before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

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

5.2.3.1 Clause D5540C “ISO 9001:2008 - Quality Management Systems (QAC Q)” – Certification – For items 001 and 002.

The Bidder certifies that it meets, and will continue to meet throughout the duration of the contract, all requirements of clause D5540C “ISO 9001:2008 - Quality Management Systems (QAC Q)” found in Part 6.

Bidders' Authorized Representative Signature

Date

5.2.3.3 General Environmental Criteria Certification

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

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

Bidders' Authorized Representative Signature

Date

Or

- b) 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	

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP912

Client Ref. No. - N° de réf. du client
W8476-206093

File No. - N° du dossier
hp912.W8476-206093

CCC No./N° CCC - FMS No/ N° VME

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 quantity two (2) Ambulance 4x4 Type I and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description "insert title".

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) (<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.

Section 09 entitled Warranty of General Conditions 2010A is amended as follows:

6.2.1.1 Section 09 of general conditions 2010A is amended by replacing the period of twelve (12) months by;

- i. 10 years on the modular ambulance;
- ii. 5 years for the ambulance conversion;
- iii. 5 years for the electrical system;

- iv. 2 years for sub components;
- v. 2 years for paint; and
- vi. OEM standard warranty for cab and chassis.

All other provisions of the warranty section remain in effect.

6.3. Term of Contract

6.3.1 Delivery of the Vehicle(s)

6.3.1.1 Firm Quantity

Delivery date of the vehicle(s) must be made as follows:

Item 001 – Quantity two (2) Ambulance 4x4 Type I 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 002 – Quantity up to two (2) Ambulance 4x4 Type I 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: Neil Pearson
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
L'Esplanade Laurier, East Tower,
140 O'Connor Street, Ottawa Ontario, K1A 0S5
Telephone: 613-462-6793
E-mail: neil.pearson@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 Quality Assurance Authority

The National Defence Quality Assurance Authority is:

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

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

E-mail: _____

DQA is the Quality Assurance Authority of the Department of National Defence for whom the work is being carried out under this Contract. DQA is responsible to monitor the Supplier's Quality Management System to provide confidence that the Supplier has the ability to fulfill the quality requirements in the contract.

6.4.5 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: _____

6.4.6 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 Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

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

Ambulance Body

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 (if applicable)

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

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 (if applicable)

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 BT-005. Invoices cannot be submitted until all work identified in the invoice is completed. Suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Each invoice must be supported by:

(a) a copy of the release document and any other documents as specified in the Contract;

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 001 and 002 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.

6.7.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4)" list (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>) The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms 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 – Ambulance 4x4 Type I
- (e) 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
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2017-08-17
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)	2010-08-16
D5604C	Release Documents - Foreign based Contractor	2008-12-12
D5605C	Release Documents - US based Contractors	2010-01-11
D5606C	Release Documents - Canadian-based Contractors	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2016-01-28
B4061C	North Atlantic Treaty Organization Codification - Data Requirements	2008-05-12

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 Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
Attention: _____
- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:
DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
E-mail: ContractAdmin.DQA@forces.gc.ca.

NOTE: For into-plane refuelling contracts b, c and d above are not required

6.15 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.

6.16 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.

6.17 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.

6.18 Material

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

6.19 Design Changes

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

6.20 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.

6.21 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.

6.22 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.

6.23 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 Ambulance 4x4 Type I (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, dimensioned drawings, line setting ticket, special tools list and Operator and Maintenance training (once) (English) in accordance with the attached Annex "B" - Purchase Description - Ambulance 4x4 Type I.

The Ambulance 4x4 Type I and ancillary items must be delivered to:

CFB SUP Halifax
Major Equipment Section
3367 Windsor Street
Halifax Nova Scotia
B3K 5x5

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: two (2)

Item 002 Ambulance 4x4 Type I (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including all the approved manuals paper and electronic and warranty letter(s) in accordance with the attached Annex "B" - Purchase Description – Ambulance 4x4 Type I.

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 003 Operator instructions/training (Option)

If this option is exercised, the Contractor must provide operator instruction/training (English or French), in accordance with the attached Annex "B"- Purchase Description - Ambulance 4x4 Type I

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 004 Maintenance instructions/training (Option)

If this option is exercised, the Contractor must provide maintenance instruction/training (English or French), in accordance with the attached Annex "B"- Purchase Description - Ambulance 4x4 Type I

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 Travel and Living for Instruction/Training (Option)

(Item 005 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.

Solicitation No. - N° de l'invitation
W8476-206093/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
HP912

Client Ref. No. - N° de réf. du client
W8476-206093

File No. - N° du dossier
hp912.W8476-206093

CCC No./N° CCC - FMS No/ N° VME

Estimated cost: \$(*to be inserted by PWGSC if an option is exercised*)

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)

ANNEX “D” TO PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "E" TO PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) - Labour's website](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html) (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html>).

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/regulated-industries.html>) being subject to the Employment Equity Act (<http://laws-lois.justice.gc.ca/eng/acts/E-5.401/>).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC - Labour.

OR

A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC – Labour (<https://catalogue.servicecanada.gc.ca/content/EForms/en/Detail.html?Form=LAB1168>). As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC C-Labour.

B. Check only one of the following:

B1. The Bidder is not a Joint Venture.

OR

B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)



ANNEX B

PURCHASE DESCRIPTION FOR TYPE 1 4X4 AMBULANCES ECC 140160



NOTICE

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

AVIS

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

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1. SCOPE

1.1 Scope

- a) This purchase description covers a modular aluminum ambulance body mounted on a Type I chassis (4x4), diesel engine driven, including one (1) wheeled height adjustable stretcher, an attendant seat, and up to three (3) passengers seats which alternately may be used to accommodate and secure a hand-carried stretcher (not included with the vehicle).

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 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 or capable of transporting 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 kg, height of 1499 mm, erect sitting height of 785 mm, normal sitting height of 752 mm, hip sitting breadth of 325 mm, hip sitting circumference of 925 mm, waist sitting circumference of 599 mm, chest depth of 191 mm,

bust circumference of 775 mm, chest upper circumference of 757 mm, chest lower circumference of 676 mm, knee height of 455 mm, popliteal height of 356 mm, elbow rest height of 180 mm, thigh clearance height of 104 mm, buttock-to-knee length of 518 mm, buttock-to-poples length of 432 mm, elbow-to-elbow breadth of 312 mm and seat breadth of 312 mm.

- 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 kg, height of 1849 mm, erect sitting height of 965 mm, normal sitting height of 930 mm, hip sitting breadth of 419 mm, hip sitting circumference of 1199 mm, waist sitting circumference of 1080 mm, chest depth of 267 mm, chest circumference of 1130 mm, knee height of 594 mm, popliteal height of 490 mm, elbow rest height of 295 mm, thigh clearance height of 175 mm, buttock-to-knee length of 640 mm, buttock-to-poples length of 549 mm, elbow-to-elbow breadth of 506 mm and seat breadth of 404 mm.
- 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. Canada will not be supplying these documents. Sources are as shown:

Canadian Occupational Health and Safety Regulations (COHSR)

Motor Vehicle Safety Regulations (MVSr)

Safety Code 6 - Health Canada’s Radiofrequency Exposure Guidelines

Ontario Provincial Land Ambulance & Emergency Response Vehicle Standard

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 2 year, or be manufactured by a company that has at least 5 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 10 years from the date of manufacture.
- h) **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.

3.1.1 **Maintainability**

- a) The vehicle **must** be designed to permit access to all items required for servicing and maintenance.

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° C (-40 to 99° F).

3.2.2 **Terrain**

- a) The vehicle **must** operate on paved roads, gravel roads, dirt road with severe potholes which include year round snow, mud, sand and ice.

3.3 **Safety Standards**

3.3.1 **Vehicle Safety Regulations**

- a) The vehicle **must** comply with the Motor Vehicle Safety Regulations (MCSR).
- 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 comply with the Ontario Provincial Land Ambulance and Emergency Response Vehicle Standard.

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.
- e) The vehicle **must** be equipped with bolsters to protect people moving through openings from projections or obstructions.
- f) The vehicle **must** be equipped with interior grab bar handles and rails to assist the movement of people seated, or entering / exiting the ambulance.

3.4 Vehicle Performance, Ratings and Dimensions

3.4.1 Performance

- a) The vehicle, at GVWR, **must** sustain a speed of 120 km/h (74.6 mph) on a level paved road, for 30 minutes.
- b) The vehicle **must** accelerate from 0 km/h to 90 km/h (55.9 mph) within 25 seconds.
- c) The vehicle **must** maintain a minimum speed of 90 km/h (55.9 mph) on at least a 3% grade.
- d) The vehicle **must** maintain a minimum speed of 8 km/h (5.09 mph) on at least a 35% grade.
- e) The vehicle **must** have driver selectable modes:
 - i. Two wheel drive, high range;
 - ii. Four wheel drive, high range; and
 - iii. Four wheel drive, low range.

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.

- c) The total load on each axle of the vehicle **must** not exceed the GAWR for that axle.
- d) Axle loads **must** comply with all the provincial weight restrictions across Canada.
- e) The vehicle **must** have a payload capacity of at least 907 kg (2000 lbs).

3.4.3 **Dimensions**

- a) The vehicle **must** have road legal dimensions across Canada.

3.5 **Engine**

- a) The engine **must** operate on ultra-low sulphur diesel fuel to the CAN/CGSB Standard 3.517.

3.5.1 **Cold Weather Starting Aids**

- a) A low temperature engine starting aid **must** be provided to meet the operating conditions specified in Paragraph 3.2.
- b) A water separator/fuel filter **must** be provided.
- c) A 110-volt engine block heater(s) **must** be provided

3.5.2 **Fuel Tank(s)**

- a) The vehicle **must** have a fuel system, providing the vehicle with a minimum 500 km (311 mile) range, without refuelling, at GVWR, travelling over paved roads.

3.5.3 **Anti-Theft**

- a) The vehicle **must** be equipped with an anti-theft device that locks the steering and shifter, but allows the engine to keep running with all other mechanical and electrical functions operable, when the driver has removed the ignition key.

3.5.4 **Automatic Engine High-Idle Speed Control**

- a) The engine **must** be controlled by a system that is pre-set to increase the engine RPM, upon activation, to sustain the ambulance's total continuous electrical load, and maximum heating/air conditioning output.
- b) The system **must** only operate when the transmission is in "PARK".
- c) The system **must** be activated automatically after parking brake is engaged and the engine has been allowed to idle for more than 5 minutes, or the battery voltage falls below 12.5 volts.
- d) The system **must** disengage when the operator presses the service brake.

3.6 Transmission

- a) The vehicle **must** be equipped with fully automatic, equipped with an overdrive system and auxiliary oil cooler.

3.7 Braking System

- a) The braking system **must** include an anti-lock (ABS) brake system.

3.8 Suspension

- a) The vehicle **must** have an adjustable rear suspension, to facilitate loading and unloading the main cot.
- b) The adjustable rear suspension **must** be activated by opening the rear left door of the ambulance body.

3.9 Steering

- a) The vehicle **must** be provided with a power steering system.

3.10 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) All wheels **must** permit the use of tire chains.
- e) For each tire size provided, one full size spare tire assembly **must** be delivered with each vehicle.
- f) The spare wheel assembly and all tools required for to perform a tire change **must** be mounted and stored in a location on the vehicle which is accessible from ground level.

3.11 Chassis Accessories

- a) The chassis **must** be equipped with the Original Equipment Manufacturer (OEM) ambulance preparation package.
- b) The chassis **must** be equipped with front and rear tow hooks, accessible without having to crawl under the vehicle, to permit recovery of the vehicle.
- c) The vehicle **must** be provided with license plate mounting provisions, at the front and rear.

- d) Skid plate(s) **must** be provided on the underside of the vehicle to protect the engine and transmission from road debris.

3.12 **Cab**

- a) The vehicle **must** be equipped with a two person weatherproof, insulated and sound proofed cab.
- b) The vehicle **must** have a communication window located in the front wall of the ambulance body and accessible to the cab.
- c) The vehicle communication window position **must** be such that the driver may view the patient compartment by means of the interior rear view mirror.
- d) Driver and passenger seats **must** have leatherette or vinyl and include retractable **(3-point)** seat belts.
- e) Two rotating interior sun visors **must** be installed.
- f) Two heavy-duty, powered and heated exterior side mirrors, with convex section, **must** be provided with in-cab controls.
- g) AM/FM radio and auxiliary input **must** be provided, with:
 - i. An additional speaker installed near the attendant's seat in the patient compartment; and
 - ii. On/off and volume controls for the additional speaker located at the action wall.
- h) A rear facing back-up camera **must** be provided with colour output on a screen with a minimum size of 7 inches, which activates when the vehicle is reversing.
- i) A commercial Global Positioning System (GPS), suitable for vehicle navigation, **must** be provided, with dash mounting capability and lifetime map updates.
- j) Heating and air conditioning systems **must** be provided in the cab.
- k) Running boards **must** be provided on each side of the cab, with a minimum capacity of 225 kg (496 lbs).

3.12.1 **Cab 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) Controls **must** not restrict the operator's field of view.
- c) Control panel lights **must** be provided for adequate lighting for nighttime operations.
- d) An adjustable/tilt type steering wheel **must** be provided.
- e) A powered windshield washer sprayer and intermittent windshield wipers **must** be provided.

- f) Cruise control **must** be provided.
- g) Driver and passenger power windows and power door locks **must** be provided.
- h) Controls for the siren and lights **must** be provided.
- i) A backup warning signal control **must** be provided, for disabling the backup warning signal in a hospital area.

3.12.2 Instruments

- a) Instruments **must** be metric, visible to the seated driver in all lighting conditions, and include:
 - i. Voltmeters to monitor the OEM and conversion batteries;
 - ii. An engine coolant temperature indicator;
 - iii. An engine oil pressure indicator;
 - iv. An hour-meter;
 - v. A fuel level indicator;
 - vi. A speedometer;
 - vii. An engine tachometer;
 - viii. A door ajar warning indicator, indicating when any of the patient compartment or exterior storage doors are open; and
 - ix. A seat belt warning system, alerting the driver when restraints of occupied front cab seats are not fastened.

3.12.3 Communication System

- a) The communication system **must** be provided with:
 - i. Wiring leads, antennae mount, and space allocation for installation of the two-way radio;
 - ii. GL313 Brass NMO mount with gold plated center pin, 17' RG58, no connector. Available with RG58AU stranded core, RG58U solid core coax.
 - iii. Radio electrical power feed cables, with fuse protection;
 - iv. A Public Address system with sirens and operating modes of hi-lo, yelp, wail, P.A., air horn, and radio re-broadcast;
 - v. A two-way intercom system for communication between the cab and ambulance body;
 - vi. The intercom system **must** provide intercom control heads mounted on the front console and the ambulance body action wall.

3.13 Lubricants and Fluids

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

3.14 Ambulance Body

3.14.1 Ambulance Body Dimensions

- a) The Ambulance body **must** have an exterior body length of 4,318 mm \pm 152mm (170 inches \pm 6 inches).
- b) The Ambulance body **must** have an exterior body width of 2,413 mm \pm 127mm (95 inches \pm 5 inches).
- c) The Ambulance body **must** have an interior body height of 1,829 mm \pm 76mm (72 inches \pm 3 inches).

3.14.2 Ambulance Body Exterior

- a) The Ambulance **must** have surfaces, edges, corners, and joints sealed from exposure to fluid with a waterproof bonding material, "silaprene" or equivalent.
- b) The Ambulance **must** prevent electrolytic action between dissimilar metals and materials.
- c) The Ambulance **must** have an integral rain gutter to permit rain run-off at the body corners.
- d) The Ambulance **must** have sound proofed rear wheel housings, constructed of a self-cleaning, durable material used to deflect water and objects thrown by the tires.

3.14.3 Body Mounting

- a) Vibration isolating body mounts **must** be provided.
- b) All body mounts **must** be designed and installed in accordance with the chassis manufacturer's guidelines.

3.14.4 Ambulance Body Accessories

- a) Fenders **must** be provided, extending over all tires.
- b) Plain mud flaps **must** be provided, covering the full width of the tires.
- c) Yellow safety grab rails **must** be provided, with textured grip.
- d) A rear step bumper **must** be provided with:
 - i. A minimum capacity of 225 kg (496 lbs);
 - ii. A minimum depth of 240 mm (9.4 inches);

- iii. A minimum width equal to the size of the rear door opening;
- e) A hinge or pivot to permit ambulance attendants to move closer to the doors for loading and unloading;

3.14.5 Exterior Ambulance Body Doors

- a) A curb-side exit door **must** be provided in the ambulance body, with a vented window equipped with a lock and screen.
- b) Rear double doors **must** be provided in the ambulance body, which:
 - i. Open independently to at least 150°; and
 - ii. Have a fixed window.
- c) Compartment doors **must** be provided on the sides of the ambulance body.
- d) All ambulance body doors **must**:
 - i. Prevent ingress of water, dust, or debris;
 - ii. Have “hold-open” devices;
 - iii. Be prevented from damaging the ambulance body during opening;
 - iv. Have exterior use, locking door handles, keyed alike;
 - v. Have a secondary system that will allow opening in the event of main ambulance conversion door lock mechanism(s) failure; and
 - vi. Have ambulance conversion windows made of automotive grade laminated glass, with the level of glass tinting between 10% and 20%, to reduce solar heating effects. If aftermarket tinting is used, it **must** be a metallic film with between 10% and 20% “Visible Light Transmission” of a smoke charcoal colour.

3.14.6 Exterior Storage Compartments

- a) Exterior Ambulance storage compartments **must** be integral to the body and constructed of aluminium.
- b) An oxygen compartment storing the oxygen system **must** be provided, accessible from the exterior and interior.
- c) An exterior common equipment compartment **must** be provided.
- d) An exterior backboard compartment **must** be provided.
- e) An exterior electrical equipment compartment **must** be provided.
- f) An exterior spare wheel assembly compartment **must** be provided.

- g) Exterior storage compartments **must** be provided with dry deck flooring.

3.14.7 **Ambulance Body Floor**

- a) The ambulance body floor **must** be at the lowest level permitted by the chassis/body.
- b) The ambulance body floor **must** withstand a distributed load of 735 kg/m² (150 lb/ft²).
- c) The ambulance body floor **must** be bonded to the sub-floor with a waterproof adhesive.
- d) The ambulance body floor material **must** be fireproof and slip-proof no wax type, mark resistant and scuff proof safety flooring.
- e) All floor level mouldings, edging and trim **must** be sealed to prevent fluids from seeping under cabinets, wall, etc.

3.14.8 **Patient Compartment**

- a) Where possible, interior patient compartment elements **must** be coated, sealed, and waterproofed to be impervious to soap, water, disinfectants and mildew.
- b) One (1) Stryker MX Pro R3 Main Cot, or equivalent, **must** be provided in the patient compartment, secured at three points to prevent movement during transit.
- i. The securement of the main cot **must** have the patient's head pointing toward the cab.
- ii. The mounting system for the main cot **must** be installed with a minimum of 330 mm (13 inches) clearance from the rear facing attendant's seat.
- iii. The patient compartment **must** be equipped with a rear door threshold safety hook, required for the main cot.
- c) An attendant's seat **must** be provided in the patient compartment, located near the head of the main cot, mounted on a pedestal.
- i. The attendant's seat **must** be a hospital-grade, leatherette padded water-proof seat with a high back and head rest equipped with a retractable three-point seatbelt.
- ii. The attendant's seat **must** be horizontally adjustable without having to move from a seating position, and pivot a minimum of 180°, lockable at every 45 degree increment.
- iii. The bench **must** have integrated storage under the seat, with a lid.
- iv. The bench **must** be equipped with provisions for mounting and securing an occupied T3 Lightweight Assault Litter (or equivalent) and patient.
- v. The placement of a T3 Lightweight Assault Litter (or equivalent) mounting provisions **must** accommodate the stretcher and patient without removing squad bench cushions.
- vi. The bench **must** be equipped with both hold open device(s) and latches to hold the bench closed.

- d) A removable, heavy-duty safety net **must** be provided in the patient compartment, installed vertically near the squad bench, with mounting points on the floor and roof, between the bench and cab, for protection of passengers in the event of a rapid deceleration.

3.14.9 Interior Shelving, Storage and Mounting

- a) Storage and shelving in the ambulance body **must** be made of aluminium.
- b) An action wall **must** be provided on the interior road-side.
- c) A work surface **must** be provided for the seated attendant, which retains loose material and is easy to clean.
- d) Near the work surface, the action wall **must** include:
 - i. A main oxygen system outlet which will be connected to a type "M" oxygen tank;
 - ii. Two way radio fitting; and
 - iii. Defibrillator platform.
- e) The action wall **must** be provided with controls, recessed or otherwise protected from accidental engagement, including:
 - i. Interior lighting controls, with high/off/low settings;
 - ii. Floodlight controls, for the floodlights mounted on one of the rear doors and the side passenger door.
 - iii. Compartment lighting controls, for interior and interior/exterior compartments
 - iv. Heater fan speed controls, with a minimum high, low and off settings;
 - v. Climate controls, for selecting heating or air conditioning; and
 - vi. Variable speed suction outlet controls.
- f) A thermostat **must** be provided on the action wall, to control the temperature in the ambulance body.
 - i. The cabin temperature range **must** be a minimum of 15 to 23°C (59 to 74 F).
 - ii. The thermostat **must** be programmable, with a minimum setting of a seven-day schedule.
 - iii. The thermostat **must** be equipped with an override function allowing the heater to be turned on, independent of thermostat setting.
- g) Common storage compartments **must** be provided and accessible to the interior.

- i. .At least three (3) shelves **must** be provided in the common storage compartments.
- ii. The shelves **must** be adjustable, with a minimum capacity of 100 kg/m² (20.5 lb/ft²).
- h) Four wall or ceiling mounted IV hooks **must** be provided, with securing straps for the IV pouch, two at the midsection of each cot/stretchers location.

3.14.10 Interior Ambulance Body Doors

- a) All interior doors **must** close securely, to avoid unwanted opening in transit or as result of a vehicle collision.
- b) The interior storage compartment doors **must** slide open, left and right, for accessing the storage space.
- c) Sliding doors **must** be constructed of heavy duty, transparent, non-shattering material, such as Plexiglas or polycarbonate.
- d) Sliding doors, in their frames **must** flip up to allow full width and height access to the storage compartment.
- e) Handles **must** be provided on the sliding doors.

3.14.11 Oxygen System

- a) A hospital grade, piped oxygen system, rated to store and supply medical oxygen **must** be provided for connection to one (1) steel or aluminium type “M” oxygen tank.
- b) A minimum of two (2) jumbo “D” oxygen cylinder mounting cradles **must** be provided, on the body interior, suitable for storing aluminium or steel oxygen cylinders.
- c) A cylinder mounting cradle **must** be provided for one (1) steel or aluminium type “M” oxygen tank secured in an external compartment.
- d) The cylinder mounting cradles **must** allow cylinder transfer/cylinder type changeover, using only simple hand tools.
- e) The mounting cradle material **must** prevent damage to cylinders.
- f) A minimum of two (2) oxygen medical gas outlets **must** be provided
- g) The oxygen medical gas outlets **must** be Amico DISS Wall Outlet, model O-DISWAL-U-OXY, or equivalent.
- h) Two (2) oxygen outlets **must** be located:
 - i. On the action wall; and
 - ii. Near the top of the curb-side wall, located above the head of the forward bench seat.
- i) The oxygen outlets **must** be equipped with safety protection from impact, such as a cover.

- j) The oxygen system components **must** be colour coded to indicate oxygen.
- k) The ambulance body interior **must** be equipped with interior oxygen gas compartment access, equipped with a single door.
- l) The oxygen gas compartment door **must** be equipped with a centrally located transparent access panel, to allow access to the oxygen compartment for reading the pressure gauge and turning on the oxygen valve.

3.15 Ambulance Accessories

- a) One (1) battery operated clock, with seconds display, **must** be provided above the ambulance rear doors.
- b) Clock battery replacement **must** be without the use of tools.
- c) Tools required for changing tires, including a jack with a capacity to lift the loaded vehicle **must** be provided with the ambulance.
- d) An extrication combination tool (including an emergency glass break hammer and a seatbelt cutter), a pry bar, and a tool pouch **must** be provided and stored in one of the exterior compartments.
- e) Two (2) containers with a minimum capacity of 5 litres (1.32 US gal), one for waste disposal, and one for hazardous waste disposal **must** be mounted in an accessible dedicated location in the patient compartment.
- f) Three (3) sharps safety container mounts **must** be provided in the patient compartment of the ambulance.
 - i. The mounts **must** be able to hold a 5.1L rectangular sharps container.
 - ii. One mount **must** be located near the Captain's chair, one under the bench, and one that is mounted on the action wall.
 - iii. All mounts **must** facilitate hands-free access to the sharps safety containers.
- g) Two (2) ULC approved rechargeable fire extinguishers **must** be provided with a minimum 2.3 kg (5 lbs) capacity, 3A10BC rating, pressure gauge, and service inspection tag, mounted on quick release fire extinguisher brackets.
- h) One (1) portable spotlight, equipped with a trigger-like on/off control, **must** be provided, with a connector that can be plugged into a 12 volt DC power outlet.

3.16 Lighting

- a) The vehicle lighting **must** be LED type, and comply with Motor Safety Regulations (MVSR).
- b) The cab **must** be provided with:
 - i. Heavy duty Halogen headlights;

- ii. Turn, hazard and clearance lights;
- iii. Recessed fog lights;
- iv. In-cab dome light; and
- v. Goose-neck style map light for passenger task lighting.
- c) The Ambulance body **must** be provided with:
 - i. Emergency vehicle lighting in accordance with Ontario Provincial Land Ambulance & Emergency Response Vehicle Standard
 - ii. White patient compartment lighting, mounted as flush as possible, and automatically activating the low setting, when any patient compartment door is opened;
 - iii. Patient compartment cabinetry lighting, mounted in each compartment close to the door(s);
 - iv. Exterior compartment lighting; and
 - v. An action wall reading light, powered at all times.

3.17 **Electrical System**

- a) The ambulance **must** be provided with a minimum of four flush mounted, 12 Volt DC, polarized socket-type outlets, with continuous power.
- b) Two of the 12 Volt DC outlets **must** be dedicated incubator receptacles, installed on the driver-side cabinet wall near the head of the stretcher.
- c) Four GFI protected 110 Volt AC duplex outlets **must** be identified and mounted inside the ambulance body.
- d) The vehicle **must** be equipped with a minimum of two (2) maintenance free batteries, located in the engine compartment, and sized to exceed the expected maximum draw.
- e) The ambulance body **must** be equipped with a minimum of two (2) heavy-duty maintenance free, deep-cycle batteries, labelled "Conversion Battery".
- f) An isolator **must** be provided for all batteries to charge simultaneously, but not allow the batteries to draw from each other.
- g) An automatic relay system **must** be provided to allow the vehicle to be started from the secondary battery when the primary starting battery is drained.
- h) A master disconnect **must** be provided, to isolate the Ambulance body batteries and avoid drainage while in storage.

3.17.1 Alternators

- a) The vehicle **must** be equipped with alternator(s), supplied as part of the ambulance prep package.
- b) Alternator(s) output **must** power all vehicle cab and ambulance body requirements.
- c) Alternator(s) **must** be intended for use on 12 V DC charging systems.

3.17.2 Main Conversion Power Switching

- a) Stopping the engine **must** trigger an automated electrical shutdown system, which halts delivery of electricity to the ambulance conversion electrical system.
- b) Regardless of engine status, a continuous supply of power **must** be provided to the:
 - i. Two-way radio;
 - ii. Two-way intercom system
 - iii. 12 Volt DC outlets; and
 - iv. Action wall reading light.

3.17.3 Electrical Control Centre (ECC)

- a) An electrical control centre **must** be provided.
- b) The electrical control centre **must**:
 - i. Contain and permanently identify all electrical components;
 - ii. Be weather-proof;
 - iii. Be accessible to maintenance personnel;
 - iv. Have an "as built" electrical diagram on the ECC door/cover that identifies the devices, and wiring, as located within the ECC.

3.17.4 110 Volt External Auxiliary Power

- a) The vehicle must be equipped with a ULC certified 110 Volt AC power system.
- b) A 12 Volt DC to 110 Volt AC inverter **must** be provided with a minimum power of 1500 watts, operating when the engine is running, and automatically disconnecting when the external auxiliary power outlet is energized.
- c) A 20 amp auto-eject external auxiliary power supply inlet **must** be provided with GFI protection and a yellow cover, for use when the vehicle is parked and can be plugged into an external auxiliary power supply.

- i. The external auxiliary power **must** be the preferred power supply when it is connected.
- ii. The interior outlets **must** be switched over to the external auxiliary power supply when it is energized.
- iii. The system **must** be configured to provide constant power to the 110 Volt AC outlets.
- iv. The external auxiliary power supply **must** auto-eject upon start of the engine.

3.18 Patient Compartment Heating, Ventilation and Air Conditioning (HVAC)

- a) The ambulance body **must** be equipped with an HVAC system with accessible replaceable filters.
- b) The HVAC system **must** maintain fresh air conditions, with the capacity to completely change the ambient air within the ambulance body every 2.5 minutes, when stationary.
- c) Upon restart, the HVAC system **must** return to the same setting that was engaged when the power was turned off.
- d) The system **must** provide high volume capacity with low velocity delivery, for minimum draft circulation.
- e) The system **must** be designed to operate using recirculated and/or ambient air.

3.18.1 Supplemental Ambulance Body Heating

- a) The ambulance body **must** be equipped with an Espar®, Webasto®, or equivalent supplementary heating system, with capacity to meet the required operating conditions.
- b) The heating system **must** be thermostat controlled.
- c) The thermostat system **must** control the heating functions so that the temperature in the patient compartment is constant within +/- 2°C.
- d) The heating system **must** be powered by diesel fuel drawn from the main fuel tank.

3.19 Paint

- a) The cab, chassis and ambulance body **must** be provided with a high quality paint finish in accordance with the paint manufacturer's recommendations.
- b) A paint warranty **must** be provided, against paint peeling, cracking, blistering, corrosion, and UV paint fade.
- c) The cab and body exterior components **must** be painted prior to mounting, to assure full coverage.
- d) White paint **must** be applied to all exposed exterior surfaces which are normally painted for commercial trade.
- e) The interior colours **must** be the manufacturer standard shades of grey and/or blue.

3.19.1 Decaling Package

- a) Red reflective stripping **must** be provided running along the sides and rear of the ambulance.
- b) The Red Cross emblem **must** be provided, centred on the exterior sidewalls of the ambulance body on the left and right rear section sized within design limitations.
- c) The Red Cross emblem **must** be provided, centred on the top of the ambulance body roof.
- d) A display reflective signage stating "AMBULANCE" **must** be provided on sides, front (mirror image) and rear in a prominent contrasting colour to the background.
- e) For the sides and rear, the "AMBULANCE" legend **must** be approximately 180 mm high and proportional in width with bold front lettering, in a prominent contrasting colour to the background.
- f) The "AMBULANCE" reverse legend **must** be approximately 130 mm high and proportional in width with bold font lettering in a prominent contrasting colour to the background.

3.20 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) A commercial rust prevention coating **must** be applied to the vehicle, such as Krown Rust Control or Rust Check.
- d) A decal and warranty papers for the rust prevention coating **must** accompany the vehicle.

3.21 Warning, Markings and Instruction Plates

- a) The vehicle **must** be equipped with warnings and instruction plates in accordance with industry standards for a patient transfer vehicle.
- b) All identification, instructional, and warning labels **must** be bilingual or International symbols defined in SAE J1362.
- c) All identification, instructional, and warning labels **must** within view of the operator.
- d) All indicators and controls **must** be permanently labelled.

3.21.1 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 including French 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 in English (bilingual including French is desirable).
- 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 a wiring diagram.

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. TA will provide approval or comments on the manuals within 30 days.
- 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 electronic format.
- c) The Operator's manuals **must** be in paper and electronic format.

4.1.6 **Electronic Format**

- a) Approved copies of the electronic format manuals **must** be delivered with the vehicle.
- b) Electronic Format **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.
- e) Provide a bilingual copy to the Technical Authority and with each vehicle delivered in the approved DND format.

4.2.1 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** - 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 **Recommended Spare Parts List (RSPL)** - The Contractor **must** provide a list detailing the spare parts deemed necessary to maintain the vehicle for a period of 12 months exclusive of any warranty period, 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.

4.4 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 Training

4.5.1 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 4 hours to provide training of up to twelve (12) 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 thirty (30) days prior to the course commencement date.
- e) After completion of the course, the Contractor **must** have a "*PROOF OF MAINTENANCE TRAINING*" certificate signed by a Canada Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.5.2 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 **must** be included in the curriculum.
- d) Trouble shooting, testing, and adjustments **must** be included in the curriculum.
- e) Special tools and test equipment **must** be included in the curriculum.

4.5.3 Operator Training

- a) The Contractor **must** provide an operator training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have minimum duration of 4 hours to provide training for up to twelve (12) operators and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus or course outline and schedule available for review thirty (30) days prior to the course commencement date.
- e) After completion of the course the Contractor **must** have a “*PROOF OF OPERATOR TRAINING*” certificate signed by a Crown Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.5.4 Operator Training Curriculum

- a) Safety precautions to be observed while operating and servicing the vehicle **must** be included in the curriculum.
- b) Vehicle operating characteristics **must** be included in the curriculum.
- c) Vehicle operating procedures **must** be included in the curriculum.
- d) Pre-operating and pre-shutdown procedures **must** be included in the curriculum.
- e) Daily/weekly operator servicing procedures **must** be included in the curriculum.

Annex C

Technical Evaluation Matrix

Title:

**W8476-206093 - TYPE 1 4X4
AMBULANCES**

Date:

25-Apr-19

Instructions:

This Technical Evaluation Matrix covers the mandatory technical criteria, which **must** be provided by the Bidder for evaluation of the proposed solution to the requirement specified in the Purchase Description.

“Substantive Information” **must** be provided for each corresponding performance requirement/specification stated in this Technical Evaluation Matrix.

If an **“Equivalent”** is being offered for any requirement in the Purchase Description it **must** be submitted for technical evaluation with Substantive Information proving the equivalency.

Bidders should indicate the document name/title and page number where the Substantive Information can be found for each evaluation criteria.

Definitions for **“Equivalent”** and **“Substantive Information”** are as follows:

“Substantive Information” - This is defined in SACC Clause A9097T.

“Equivalent” - Substitutes and alternatives that are equivalent in product, performance or a standard will be considered for acceptance by the Technical Authority where Substantive Information proving the equivalency for the respective requirement is provided for evaluation.

Technical Evaluation Matrix
W8476-206093 - TYPE 1 4X4 AMBULANCES

Bidder Information

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

Technical Mandatory Criteria			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal
3.1 b)	<p>b) Industry Acceptability - The vehicle design must have demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 year, or be manufactured by a company that has at least 5 years' experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.</p>	<p>The Bidder must provide client information for industry acceptability and/or experience as specified in the purchase description.</p> <p>Client information must include: - Client name and location - Year completed - List of make(s)/model(s).</p>	
3.8	<p>3.8 Suspension a) The vehicle must have an adjustable rear suspension, to facilitate loading and unloading the main cot.</p>	<p>Substantive Information.</p>	
3.14.1	<p>Ambulance Body Dimensions a) The Ambulance body must have an exterior body length of 4,318 mm \pm 152mm (170 inches \pm 6 inches). b) The Ambulance body must have an exterior body width of 2,413 mm \pm 127mm (95 inches \pm 5 inches). c) The Ambulance body must have an interior body height of 1,829 mm \pm 76mm (72 inches \pm 3 inches).</p>	<p>Bidder must provide drawings indicating proposed demension of ambulance body.</p>	

3.14.8	Patient Compartment b) One (1) Stryker MX Pro R3 Main Cot, or equivalent, must be provided in the patient compartment, secured at three points to prevent movement during transit.	Substantive Information.	
3.14.1.1	Oxygen System g) The oxygen medical gas outlets must be Amico DISS Wall Outlet, model O-DISWAL-U-OXY, or equivalent.	Substantive Information.	
Proposed Equivalents			
PD Reference	PD Requirement	Bid Evaluation Requirement	Location in Bid Proposal