



**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**

<b>Title - Sujet</b> Heavy Recovery Vehicle	
<b>Solicitation No. - N° de l'invitation</b> W8476-195975/A	<b>Date</b> 2018-10-17
<b>Client Reference No. - N° de référence du client</b> W8476-195975	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HP-404-75661	
<b>File No. - N° de dossier</b> hp404.W8476-195975	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> at - à <b>02:00 PM</b> on - le <b>2018-11-26</b>	<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Michele Mak	<b>Buyer Id - Id de l'acheteur</b> hp404
<b>Telephone No. - N° de téléphone</b> (613) 296-6754 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  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  
11 Laurier St./11, rue Laurier  
7A2, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

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

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Requirement**

Canada is seeking proposals to procure:

**1.1.1** Four (4) Heavy Recovery Vehicles and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description – Class 8 Commercial Heavy Recovery Vehicle

**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 Phased Bid Compliance Process**

The Phased Bid Compliance Process applies to this procurement.

## **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) (<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.

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.

### **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.

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## **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 8 of the 2003 standard instructions and as amended in Part 2 - Bidder Instructions, Article 2.1 Standard Instructions, Clauses and Conditions. Bidders are required to provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

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 (2 hard copies)

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

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

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

- Appendix "1" - Technical Information Questionnaire – Class 8 Commercial Heavy Recovery Vehicle

### 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 “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” 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)  (http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html), for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

### **Section III: Certifications**

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

### **Section IV Additional Information**

Canada requests that bidders submit the following information:

#### **3.1.4 Delivery**

##### **Firm Quantity**

While delivery of the vehicles is requested by March 29, 2019, the best delivery that can be offered is as follows:

Item 001 – One (1) Heavy Recovery Vehicle (Suffield, AB) and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

Item 002 – One (1) Heavy Recovery Vehicle (Petawawa, ON) and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

Item 003 – One (1) Heavy Recovery Vehicle (Valcartier, QC) and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

Item 004 – One (1) Heavy Recovery Vehicle (Gagetown, NB) and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

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## **Optional Quantity**

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

Item 005 – Up to Four (4) Heavy Recovery Vehicle 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.
- (c) **Canada will use the Phased Bid Compliance Process described below.**

#### **4.1.1 Phased Bid Compliance Process**

##### **4.1.1.1 (2018-07-19) General**

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their Bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

THE BIDDER ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE BID IS NON-RESPONSIVE, EVEN FOR MANDATORY

REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE BID HAD BEEN FOUND RESPONSIVE IN SUCH EARLIER PHASE. CANADA MAY DEEM A BID TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE. THE BIDDER ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS BID RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS BID NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to

sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.

- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2018-05-22) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

#### **4.1.1.2 (2018-03-13) Phase I: Financial Bid**

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.

- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.
- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- (g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.

- (h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

#### **4.1.1.3 (2018-03-13) Phase II: Technical Bid**

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- (d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional

information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the

CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.

The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.

#### **4.1.1.4 (2018-03-13) Phase III: Final Evaluation of the Bid**

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

#### **4.1.2 (2017-07-31) Technical Evaluation**

##### **4.1.2.1 (2017-07-31) Mandatory Technical Criteria**

- a) Bidders must demonstrate their compliance with all technical evaluation criteria detailed in Appendix 1 - Technical Information Questionnaire, 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 005 inclusively.

**4.1.3.2** The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantities for items 001 to 004 and optional quantity of item 005, Canadian dollars for familiarization instructions/training (option) item(s) 006 and item 007. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

##### **4.1.3.3 Aggregate Evaluated Price**

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

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

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

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

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

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

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

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

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

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

- a) The average price for the optional quantity obtained in 4.1.2.5 (b) above will be multiplied by the total estimated optional quantity identified;
- b) The average price for the familiarization instructions/training (option) obtained in 4.1.2.6 (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 4.1.2.4 (a) above.

### **4.3 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 "X" 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.

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\_\_\_\_\_  
Bidder's authorized representative signature

\_\_\_\_\_  
Date

**5.2.3.1 Clause D5540C "ISO 9001:2008 - Quality Management Systems (QAC Q)" – Certification – For items 001 to 008 inclusively.**

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.

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

\_\_\_\_\_  
Bidders' Authorized Representative Signature

\_\_\_\_\_  
Date

**Or**

- d) 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.

<b>Green Practices within the Bidders' organization</b>	<b>Insert a checkmark for each criterion that is met</b>
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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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 four (4) Heavy Recovery Vehicles and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

**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.

**6.2.1.1** Section 09 of general conditions 2010A is amended by replacing the period of **twelve (12) months** by **twenty-four (24) months**.

All other provisions of the warranty section remain in effect.

### **6.3. Term of Contract**

#### **6.3.1 Delivery of the Vehicles**

### **6.3.1.1 Firm Quantity**

Delivery date of the vehicles must be made as follows:

Item 001 (CFB Suffield, AB) – One (1) Heavy Recovery Vehicle and ancillary items must be delivered on or before \_\_\_\_\_

Item 002 (CFB Petawawa, ON) – One (1) Heavy Recovery Vehicle and ancillary items must be delivered on or before \_\_\_\_\_

Item 003 (CFB Valcartier, QC) – One (1) Heavy Recovery Vehicle and ancillary items must be delivered on or before \_\_\_\_\_

Item 004 (CFB Gagetown, QC) – One (1) Heavy Recovery Vehicle and ancillary items must be delivered on or before \_\_\_\_\_

### **6.3.1.2 Option Quantity**

Item 005 – Up to Four (4) Heavy Recovery Vehicles and ancillary items to be delivered within \_\_\_\_\_ calendar days after an option is exercised.

## **6.4. Authorities**

### **6.4.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Michele Mak  
Title: Supply Specialist  
Organization: Public Works and Government Services Canada - Acquisitions Branch  
LEFT Directorate, HP Division,  
140 O'Connor Street, 4<sup>th</sup> Floor  
Ottawa, ON K1A 0G5  
Telephone: (613) 296-6754  
E-mail: michele.mak@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.

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## 6.4.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: \_\_\_\_\_ *(To be inserted by PWGSC at time of contract award.)*

Department of National Defence  
101 Colonel By Drive  
Ottawa, ON K1A 0K2

Phone: \_\_\_\_\_

Attention: Directorate of Land Procurement

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: \_\_\_\_\_

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

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The National Defence Quality Assurance Authority is:

Name: \_\_\_\_\_

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 offered:

**Item 001 – Qty 1**

**(CFB Suffield, AB)**

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Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

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

**Item 002 – Qty 1**

**(CFB Petawawa, ON)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

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

**Item 003 – Qty 1**

**(CFB Valcartier, ON)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

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

**Item 004 – Qty 1**

**(CFB Gagetown, NB)**

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 \(http://www.njc-cnm.gc.ca/directive/d10/v238/en\)](http://www.njc-cnm.gc.ca/directive/d10/v238/en), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

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

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

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

### **6.5.2 Electronic Payment of Invoices – Contract**

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

- a. 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 # BT930**. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors /suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

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 5-3-4-2

- (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 (items 001 to 005) 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 – Class 8 Commercial Heavy Recovery Vehicle;
- (e) Appendix 1 - Technical Information Questionnaire – Class 8 Commercial Heavy Recovery Vehicle;
- (f) Annex "D", Federal Contractors Program for Employment Equity – Certification;
- (g) 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
D5540C	ISO 9001:2000 - Quality Management Systems - Requirements (QAC Q)	2010-08-16
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
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

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D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2016-01-28

## 6.11 Inspection and Acceptance

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

## 6.12 Preparation for Delivery

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

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

## 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](mailto: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. (2018 model-year or newer). **Please insert year model:** \_\_\_\_\_

### **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

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101 Colonel By Drive  
Ottawa, Ontario K1A 0K2

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

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## ANNEX "A" - PRICING

### Item 001 Heavy Recovery Vehicle (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, a digital version of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and familiarization training in English in accordance with the Annex "B" - Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

The Heavy Recovery Vehicle and ancillary items must be delivered to:

CFB Suffield  
Base Supply Section  
CFB Suffield  
Suffield, AB  
T0J 2N0  
Canada

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

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

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

Quantity: One (1)

### Item 002 Heavy Recovery Vehicle (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, a digital version of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and familiarization training in English in accordance with the Annex "B" - Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

The Heavy Recovery Vehicle and ancillary items must be delivered to:

ASU Petawawa  
Major Equipment Section

CFB Petawawa, ON K8H 2X3  
Canada

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

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

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

Quantity: One (1)

**Item 003 Heavy Recovery Vehicle (Firm Quantity)**

The Contractor must deliver the vehicle/equipment including the sample manuals, a digital version of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and familiarization training in English in accordance with Annex "B" - Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

The Heavy Recovery Vehicle and ancillary items must be delivered to:

BFC USS VALCARTIER  
Section d'equipement majeur  
BAT. 188 (PON COMB)  
GARNISON VALCARTIER  
COURCELETTE QC GOA 4ZO  
CANADA

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

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

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

Quantity: One (1)

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#### **Item 004 Heavy Recovery Vehicle (Firm Quantity)**

The Contractor must deliver the vehicle/equipment including the sample manuals, a digital version of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and familiarization training in French in accordance with the attached Annex "B" - Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

The Heavy Recovery Vehicle and ancillary items must be delivered to:

ASG Gagetown Supply Company  
Major Equipment Section  
Bldg B10  
CFB Gagetown  
Ormocto NB E2V 4J5  
Canada

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

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

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

Quantity: One (1)

#### **Item 005 (Optional Quantity)**

The Contractor must deliver the vehicle/equipment including the sample manuals, a digital version of all approved manuals, data summary, photographs, warranty letter(s), preventative maintenance replacement parts kit list, line setting ticket, special tools list and familiarization training in English in accordance with the attached Annex "B" - Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

##### **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 four (4)

**Item 006 Familiarization instructions/training - English (Option)**

If this option is exercised, the Contractor must provide familiarization instruction/training, in accordance with the attached Annex "B"- Purchase Description – Class 8 Commercial Heavy Recovery Vehicle;

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 four (4)

**Item 007 Familiarization instructions/training - French (Option)**

If this option is exercised, the Contractor must provide familiarization instruction/training, in accordance with the attached Annex "B"- Purchase Description – Class 8 Commercial Heavy Recovery Vehicle.

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 four (4)

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## **Item 008 Travel and Living for Familiarization Instruction/Training (Option)**

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

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

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

Estimated cost: \$\_\_\_\_\_ (*to be inserted by PWGSC if an option is exercised*) Familiarization 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 four (4)

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## **ANNEX "C" 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 "D" 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html) website (<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) (<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/) (<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 W8476-195975/A  
Class 8 Commercial Heavy Recovery Vehicle

2018-07-30

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**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.

1. **SCOPE**

1.1 **Scope** - This Purchase Description describes the requirements for the Class 8 commercial heavy recovery vehicle, with 6x4 drive, with recovery body systems and accessories.

1.2 **Instructions** - The following instructions apply to this specification.

- (a) Requirements, which are identified by the word "**must**", are mandatory. Deviations will not be permitted;
- (b) Requirements identified by "**must**" ..... or "**equivalent**" are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as a Technical Authority approved equivalent;
- (c) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (d) Where "**must**", "**must**" ..... or "**equivalent**", or "will" are not used, the information provided is for guidance only;
- (e) In this document "provided" means "provided and installed";
- (f) Where a standard is specified and the Contractor has offered an **equivalent**, that equivalent standard **must** be supplied by the Contractor, at no cost to Canada, when requested by the **Technical Authority**;
- (g) Where a technical certification is referred to in this Purchase Description, a copy of the certification or an acceptable proof of compliance **must** be provided for the vehicle when requested by the Technical Authority up until the date of the expiration of the warranty period;
- (h) While the SI system is used as the primary system of measurement to define requirements in this Purchase Description, both the SI system and the Standard system of measurements may be indicated. Conversions from one system of measurement to the other may not be exact; and
- (i) Dimensions stated as nominal are treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

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**OPI DSVPM 4 – DAVPS 4**

Issued on Authority of the Chief of the Defence Staff  
Publiée avec l'autorisation du chef d'état-major de la Défense

Annex "B" - Purchase Description W8476-195975/A  
**Class 8 Commercial Heavy Recovery Vehicle**

1.3 **Definitions**

- (a) **"Technical Authority"** means the official responsible for the technical content of this Purchase Description;
- (b) **"Equivalent"** means a standard, means, or component type, which the Technical Authority has approved for this requirement as meeting the specified requirements for fit, form, function and performance;
- (c) **"Commercially Equipped"** means that the vehicle is provided in its standard commercial configuration with no additional government-specific requirements;
- (d) **"Road Legal"** means the vehicle can be legally operated on all Canadian highways and secondary roads, without restrictions or special permits;
- (e) **"Curb Weight"** (CW) means the weight of the fully equipped vehicle. The curb weight includes the cab and chassis, all attached accessories, equipment, fuel, lubricant and coolants. The Curb Weight does not include the Payload or the weight of the driver/passenger(s) or their personal kit and equipment;
- (f) **"Payload"** means the maximum cargo load carrying capacity of the vehicle. The payload is the calculated difference between the Curb Weight and the Gross Vehicle Weight Rating.
- (g) **"Gross Vehicle Weight"** (GVW) means the sum of the Curb Weight, the weight of a driver and passenger (80 kg per person) and the Payload. The GVW cannot exceed the Gross Vehicle Weight Rating (GVWR);
- (h) **"Gross Vehicle Weight Rating"** (GVWR) means the maximum operating weight of the vehicle as stated by the manufacturer;
- (i) **"Gross Combined Weight Rating"** (GCWR) means the maximum allowable combined weight of the vehicle, with passengers and equipment in the vehicle and the Payload plus the weight rating of the trailer and the payload in the trailer;

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Class 8 Commercial Heavy Recovery Vehicle

1.4 **Data Table** - The following table shows the minimum required performance which *must* be provided for the vehicle.

CHARACTERISTIC	PARAGRAPH	UNITS	Cab & Chassis 6x4 complete with a Wrecker System
HORSEPOWER	3.4 (d)	-	500
GVWR	3.4 (f)	kg(lbs)	31,000(68,000)
GAWR FRONT	3.4 (h)	kg(lbs)	9,000(20,000)
GAWR REAR	3.4 (i)	kg(lbs)	20,900(46,000)
GCWR	3.4 (g)	kg(lbs)	35 000(77,000)
TOWED LOAD	3.4 (h)	kg(lbs)	33,000(72,752)
FRAME RBM	3.6 (a)	kg-m(lbs-in)	41,255(3,508,800)
FUEL CAPACITY	3.7.2 (a)	Litres	600

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**Class 8 Commercial Heavy Recovery Vehicle**

2. **APPLICABLE DOCUMENTS** - The following documents are referenced in this specification. Canada will not be supplying any reference documents. Available information on the organization is supplied.

SAE Standards

SAE World Headquarters  
400 Commonwealth Dr.  
Warrendale, PA, 15096-0001  
<http://www.sae.org>

Motor Vehicle Safety Act (MVSA)

Government of Canada / Transport Canada,  
<http://www.tc.gc.ca/eng/act-regulations/regulations-crc-c1038htm>

Hazardous Products Act

Government of Canada / Department of Justice  
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>

Year Book

Tire and Rim Association Inc.,  
3200 West Market Street, Akron, Ohio, 44313

NATO STANAG 4478

North Atlantic Treaty Organisation  
<https://www.nato.int/cps/su/natohq/publications.htm>

NATO STANAG 4074

North Atlantic Treaty Organisation  
<https://www.nato.int/cps/su/natohq/publications.htm>

Annex "B" - Purchase Description W8476-195975/A  
Class 8 Commercial Heavy Recovery Vehicle

## 3. REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling this type and size class of vehicle for at least five (5) years;
- (b) The vehicle **must** include all components, equipment and accessories normally supplied for this application, although they may not specifically be described in this Purchase Description;
- (c) The vehicle **must** have engineering certification available for this application from the original manufacturers of major equipment, systems and assemblies;
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and emissions in effect in Canada at the time of manufacture; and
- (e) The vehicle and accessories **must** operate in accordance with all OEM (original equipment manufacturers) rated capacities and performance specifications.

3.2 Operating Conditions

3.2.1 Weather - The vehicle **must** start and operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 40°C.

3.2.2 Terrain - The vehicle **must** operate in all season, all-weather operations on highways and secondary roads.

3.3 Safety Standards3.3.1 Vehicle Safety Regulations

- (a) The vehicle **must** meet the provisions of the Canada Motor Vehicle Safety Act;
- (b) The completed vehicle **must** be provided with a Safety Compliance Certification Label with a National Safety Mark (NSM); and
- (c) All systems and components **must** be safe and easy to use by a 5-95<sup>th</sup> percentile male or female under all operating conditions.

3.3.2 Hazardous Materials – The Contractor **must** minimize or eliminate the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals (as described in the Hazardous Products Act of Canada) on the vehicle at time of delivery.

3.3.3 Welding Certification - Manufacturers or individual welders involved in the welding of the recovery system **must** hold welding certification to one of the following standards;

- (a) Canadian Welding Bureau (CWB)
  - i Current certification IAW the CWB standards to a division three (3) level IAW Certification of Companies for Fusion Welding of Steel CSA W47.1; and
  - ii A letter of validation from the CWB demonstrating current certification **must** be provided with bid package; or
- (b) American Welding Society (AWS)
  - i Current certification IAW the AWS qualifications for Structural Welding Code for Steel D1.1; and
  - ii A letter of validation from the AWS demonstrating current certification **must** be provided with bid package; or

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- (c) **International Standard Organization (ISO)** - Current welder performance qualifications for steel joint welds as outlined within ISO 9606-1. A letter of validation demonstrating proof of current certification of ISO 9606-1 **must** be provided with bid package.

3.4 **Performance**

- (a) The vehicle **must** have a road speed of at least 100 km/h operating at the GVWR on a flat, level road;
- (b) The vehicle **must** have a gradability, at a speed of at least 80 km/h, of at least 2%, when operating at or above the specified gross combined weight rating;
- (c) The vehicle **must** have a gross engine horsepower of at least that given as "HORSEPOWER" in the Data Table (paragraph 1.4) in order to achieve the specified performance (paragraphs 3.4 (a) through (c));
- (d) The vehicle **must** have a GVWR of at least that given as "GVWR" in the Data Table (paragraph 1.4);
- (e) The vehicle **must** have a GCWR of at least that given as "GCWR" in the Data Table (paragraph 1.4);
- (f) The vehicle **must** have a GAWR front of at least that given as "GAWR FRONT" in the Data Table (paragraph 1.4);
- (g) The vehicle **must** have a GAWR rear of at least that given as "GAWR REAR" in the Data Table (paragraph 1.4);
- (h) The vehicle **must** have a towed load capacity of at least that given as "Towed Load" in the Data Table (paragraph 1.4).

3.5 **Vehicle Cab – Conventional Cab**

- (a) **Cab** - The vehicle **must** be provided with an air suspended conventional cab with a rear visibility window;
- (b) **Cab Requirements**
- i The cab **must** be provided with a tinted windshield;
- ii **Windshield Wipers**
1. The cab **must** be provided with windshield wipers with at least two (2) continuous speeds and one (1) intermittent speed; and
2. The windshield wipers **must** be provided with arctic wiper blades.
- iii The cab **must** be provided with two (2) rotating and pivoting interior sun visors;
- iv The cab **must** be provided with armrests on both doors, coat hooks and rubber mats;
- v **Windows**
1. The cab **must** be provided with powered windows; and
2. The cab **must** be provided with a visibility window in the front lower portion of the right hand door or a look-down mirror mounted at the top of right hand door.
- vi The cab **must** be provided with an exterior sun visor over the front windshield;

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- vii The cab **must** be provided with a wiring harness for the installation of a CB radio;
  - viii The cab **must** be provided with powered door locks; and
  - ix The cab **must** be provided with air horn(s), protected from snow clogging.
- (c) **Seats**
- i The vehicle **must** be provided with high-back driver and co-driver medium to dark coloured cloth upholstered seats;
  - ii The seats **must** be provided with a fold-up arm rest on the interior side;
  - iii The vehicle **must** be provided with push button controlled, air suspension driver and co-driver seats that operate from the vehicle's air system; and
  - iv The seats **must** be provided with retractable shoulder/lap seat belt assemblies.
- (d) **Mirrors**
- i A rear view mirror system **must** be provided on the exterior of each side of the vehicle cab providing the operator with clear visibility to the sides and rear of the vehicle;
  - ii Each mirror system **must** be provided with a tall and narrow "West Coast" style flat section having a surface area of at least 40,000 mm<sup>2</sup>;
  - iii Each mirror system **must** be provided with a convex mirror section located below the flat section. That has a surface area of at least 20,000 mm<sup>2</sup>;
  - iv Mirror glass **must** be separately replaceable;
  - v The flat section of the mirrors on both sides of the vehicle **must** be power adjustable from an in-cab control accessible to the operator;
  - vi The flat and convex mirrors **must** be provided with heating defrost elements;
  - vii Mirror heating **must** be activated by an in-cab control accessible to the operator; and
  - viii Heating elements **must** be replaceable.
- (e) **Fender Mirror**
- i Tripod or fender integrated mirrors **must** be provided on the right and left hand fenders; and
  - ii The mirrors **must** have a convex surface with an area of at least 20,000 mm<sup>2</sup>.
- (f) **Air Conditioning** - The vehicle **must** be provided with an air conditioning system.
- (g) **Radio**
- i The vehicle **must** be provided with an AM/FM radio with a CD player; and
  - ii The radio **must** turn off automatically when the vehicle ignition is turned off.
- (h) **Keys**
- i A common key **must** be used for all cab and chassis locks; and
  - ii This **must** include, but is not limited to, ignition and doors.

Annex "B" - Purchase Description W8476-195975/A  
Class 8 Commercial Heavy Recovery Vehicle3.6 **Chassis**

- (a) The vehicle **must** be provided with a high strength steel frame with a resisting bending moment (RBM) of at least "**FRAME RBM**" as given in the Data Table (paragraph 1.4).

3.6.1 **Suspension**

- (a) The vehicle **must** be provided with a front spring suspension and a heavy duty on/off highway rear air suspension;
- (b) The suspension system **must** be provided with shock absorbers at each wheel station;
- (c) The rear suspension system **must** be provided with immediate response, automatic height control valves;
- (d) The rear suspension system **must** be provided with air pressure dump valve with indicator light, gauge and buzzer;
- (e) The control for the dump valve **must** be mounted in the cab within easy reach of the driver; and
- (f) The rear suspension system **must** be provided with suspension stabilizers or **Equivalent**.

3.7 **Engine**

- (a) The vehicle **must** be provided with a diesel engine; and
- (b) The engine **must** be equipped with compression brake.

3.7.1 **Engine Components**

- (a) **Engine Air Filter**
- i The engine **must** be provided with an air filter;
- ii The filter **must** be a replaceable dry-type with at least two stages; and
- iii The vehicle air intake system **must** be provided with a filter restriction gauge, mounted inside the vehicle cab, which is visible from the driver's position.
- (b) The engine **must** be provided with an engine coolant suitable for temperatures down to -40 degrees;
- (c) The engine **must** be provided with an exhaust system that has a vertical stack that clears the cab roofline with an exhaust elbow above the roofline;
- (d) A cooling system **must** be provided with a thermostatic fan; and
- (e) The engine **must** be provided with an internal engine compression brake and an exhaust brake.

3.7.2 **Fuel Tanks**

- (a) The fuel tanks **must** have a total capacity of at least "**FUEL CAPACITY**" as given in the Data Table (paragraph 1.4); and
- (b) The fuel tank filler area **must** be marked to identify the required vehicle fuel.

3.7.3 **Engine Cold Weather Aids**

- (a) The engine **must** be provided with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -40° C. The engine starting aids may include but are not limited to: glow plug(s) and intake air grid heater;

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**Class 8 Commercial Heavy Recovery Vehicle**

- (b) The engine **must** be provided with 110-Volt engine cold start heaters with a capacity as recommended by the engine manufacturer or conforming to SAE J1310;
- (c) The battery **must** be provided with a 110-volt battery blanket; and
- (d) The engine **must** be provided with a heated fuel filter/water separator to preheat diesel fuel prior to starting.

3.7.4 **Engine Accessories**

- (a) **Fuel-Fired Heater**
  - i The vehicle **must** be provided with a fuel-fired coolant heater;
  - ii The fuel-fired coolant heater **must** have an output of at least 4 kW h (14,000 Btu);
  - iii The fuel-fired coolant heater **must** draw its fuel from the engine fuel reservoir;
  - iv The fuel-fired coolant heater **must** be provided with a controller that is programmable for seven (7) days or more; and
  - v The exhaust from the fuel-fired coolant heater **must** be directed away from the vehicle.
- (b) **Winter-front** – A removable winter-front **must** be provided on the vehicle.

3.8 **Vehicle Driveline**

3.8.1 **Automatic Transmission**

- (a) The vehicle **must** be provided with an automated manual transmission having at least 12 forward speeds;
- (b) The throw-out bearing **must** be able to be lubricated without inspection cover removal;
- (c) The transmission **must** be provided with a neutral start safety switch;
- (d) The transmission **must** be provided with a Power Take-Off (PTO) suitably rated for driving the hydraulic pump for the Wrecker Body hydraulic system; and
- (e) The Power Take-Off (PTO) **must** have a hydraulic "Hot Shift" shifting mechanism connected through the transmission Electronic Control Unit.

3.8.2 **Axles**

- (a) The vehicle **must** be provided with a solid non-driven front axle;
- (b) The vehicle **must** be provided with a tandem rear axle;
- (c) The vehicle **must** be equipped with an air lift self-steer pusher axle;
- (d) The tag axle **must** have a self-steer lockout that engages automatically when reversing or travelling at high speeds; and
- (e) All axles **must** be equipped with independent, driver controlled inter-axle differential locks.

3.9 **Brake System**

- (a) The vehicle **must** be provided with full air actuated service brakes and spring actuated parking brakes;
- (b) The brake system **must** be provided with an anti-lock brake system (ABS) suitable for the axle rating provided. It is acceptable to provide an ABS with automatic traction control;

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- (c) The brake system **must** be provided with S-cam type brakes on all axles with automatic slack adjusters;
- (d) The brake system **must** be provided with an air compressor with a capacity of at least 0.42 cubic metres per minute;
- (e) The brake system **must** be provided with a wet air reservoir with a quick connect fitting for the connection of an air-hose;
- (f) The wet air reservoir **must** be provided with a pull type drain that is accessible from beside the vehicle;
- (g) The brake system **must** be provided with an automatic air dryer with a heated dump valve;
- (h) The brake system **must** be provided with dust shields at each wheel station; and
- (i) The brake system **must** be provided with emergency brake chambers on all rear axles.

3.9.1 **Additional Brake Requirement**

- (a) **Front Glad Hands** – The vehicle **must** be equipped with glad hands mounted on the front of the vehicle; and
- (b) **Rear Glad Hands**- The vehicle **must** be equipped with glad hands air couplers, with integral cover, mounted on the rear of the vehicle. Blue cover for service connection and a Red cover for emergency connection **must** be provided.

3.10 **Steering**

- (a) The vehicle **must** be provided with a power assisted steering system; and
- (b) The steering system **must** be provided with a telescopic/tilt steering column.

3.11 **Wheels and Tires**

- (a) All axles **must** be provided with Michelin XZL tires or **Equivalent**;
- (b) The wheels **must** have sufficient clearance within the wheel wells to permit the use of tire chains;
- (c) The wheel assemblies **must** have a capacity equal to or greater than the load applied when support/suspend towing the maximum towed load (paragraph 3.4 (h));
- (d) Wheel chains **must** be provided for two tires per axle for all axles;
- (e) All tires provided **must** be steel-belted, tubeless and radial;
- (f) All wheels provided **must** be hub piloted, disc wheels;
- (g) All wheel stations **must** be provided with loose wheel nut indicators; and
- (h) The wheel assemblies **must** be assembled in accordance with the tire and rim manufacturer's specifications.

3.11.1 **Wheel and Tire Accessories**

- (a) **Spare Wheel Assembly with Storage**
  - i The system **must** be provided with a spare wheel assembly that mounts on the front axle;
  - ii A dedicated and secure storage location for the wheel assembly **must** be provided on the system;

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- iii All necessary tools to safely change a wheel and replace the damaged wheel in the spare carrier, **must** be provided and carried in an easily accessible and lockable location; and
  - iv Sufficient space for storing wheel chains **must** be provided.
- 3.12 **Controls** - The vehicle **must** be provided with a cruise control system with a fast idle feature.
- 3.13 **Instruments**
- (a) All dash board gauges and readouts **must** be in metric units; and
  - (b) Gauges and readouts which show both metric and imperial units will be accepted.
- 3.14 **Electrical System**
- (a) The electrical system **must** be provided with an alternator with an output of at least 200 amperes;
  - (b) The electrical system **must** be provided with maintenance-free batteries with a combined rating of at least 2,500 cold cranking amperes (CCA);
  - (c) The electrical system **must** be provided with a master disconnect switch, which does not disconnect clocks or the fuel-fired pre-heater;
  - (d) The system **must** be provided with a one-pin 24 volt slave receptacle in accordance with STANAG 4074 Type-1 receptacles;
  - (e) The system **must** be provided with an interior 110v, 60Hz, 15 amp outlet near the driver;
  - (f) The wiring **must** be protected by insulating grommets where passing through metal;
  - (g) The electrical system **must** be provided with six (6) knockouts for extra switches on the dashboard;
  - (h) The vehicle **must** be provided with a light switch inside the cab to operate the spot/flood lamps; and
  - (i) The electrical system **must** include a backup alarm to alert personnel when the vehicle transmission is placed in reverse.
- 3.15 **Lighting**
- (a) The vehicle **must** be provided with integral LED body lighting;
  - (b) The vehicle **must** be provided with halogen headlights; and
  - (c) The vehicle **must** be provided with clearance lights, stop lights, turn signal lights, tail-lights and LED reverse lights.
- 3.15.1 **Lighting Accessories**
- (a) **Beacon**
    - i The lighting system **must** be provided with two amber beacon lights;
    - ii The beacon **must** be activated by a dash mounted control switch;
    - iii The beacon **must** be mounted so as to provide maximum vehicle visibility;
    - iv The beacon **must** be designed for 360 degrees visibility;
    - v Each beacon **must** be mounted on the sides of the light pylon; and
    - vi The beacon **must** be LED.
- 3.16 **Hydraulic System**

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**Class 8 Commercial Heavy Recovery Vehicle**3.16.1 **Hydraulic Accessories**(a) **Basic Hydraulic System**

- i The vehicle **must** be provided with the manufacturer's hydraulic system, complete with all components required for the operation of the hydraulic equipment, boom, winches, stabilizers, underlift, including power take-off, pump, reservoir, filters, controls and control valves;
- ii The hydraulic reservoir **must** be provided with a visual level indicator;
- iii All hydraulic cylinders **must** be provided with rods that are hard chrome plated or nitrate treated rods;
- iv Hydraulic hoses passing through metal components **must** be protected using rubber grommets or **equivalent**;
- v All valve assembly lines **must** be colour coded for ease of maintenance;
- vi The vehicle **must** be provided with a power take-off (PTO) suitable for installation on the vehicle transmission;
- vii The hydraulic system **must** be provided with two (2) hydraulic control stations located at the rear left and right rear corners of the wrecker body; and
- viii All boom, stabilizer, winch and axle lift hydraulic functions must operate from each control station.

(b) **Hydraulic Oil Heater**

- i The hydraulic system **must** be provided with a hydraulic oil heater;
- ii The heater **must** be provided with a thermostatic control system to prevent overheating of the hydraulic oil; and
- iii The hydraulic oil heater may use heat from the cooling system.

3.17 **Lubricants and Hydraulic Fluids**

- (a) The vehicle **must** operate using synthetic non-proprietary lubricants and hydraulic fluids; and
- (b) The vehicle **must** be provided with grease fittings conforming to SAE J534.

3.17.1 **Lubrication Accessories**(a) **Automatic Greasing System**

- i The vehicle **must** be provided with an automatic greasing system;
- ii **Grease Distribution**
  - 1. The grease supplied to the greasing points **must** be metered in accordance with the manufacturer's specifications;
  - 2. The grease distribution on the front axle(s) may include but is not limited to: springs; kingpins; drag links; slack adjusters; cams; clevis and tie rods; and
  - 3. The grease distribution on the rear axle(s) may include but is not limited to: springs; kingpins; drag links; slack adjusters; cams; clevis and tie rods.

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- iii The system **must** be provided with a telltale light located in the vehicle cab, in a location visible to the driver, indicating that the system is functioning properly or not; and
- iv The system **must** be provided with a low grease level alarm which is audible within the vehicle cab.

3.18 **Paint**

- (a) The vehicle **must** be painted using the manufacturer's commercial painting system; and
- (b) The vehicle **must** be painted green.

3.18.1 **Corrosion Protection**

- (a) The vehicle **must** be provided with a rust protection treatment such as Krown Rust Control, Rust Check or an **equivalent**; and
- (b) The warranty papers from the rust protection system provider **must** accompany each vehicle.

3.19 **Identification** - The vehicle information (manufacturer's name, model, Vehicle Identification Number (VIN) and the GAWR, GVWR and GCWR ratings) **must** be permanently marked in conspicuous and protected locations.

3.19.1 **Warning and Instruction Plates**

- (a) The vehicle **must** be provided with warning and operation instruction plates in accordance with SAE J115;
- (b) The plates **must** be visible to a person standing near the vehicle; and
- (c) The plates **must** use graphic symbols, as defined in SAE J1362 or be written in the two (2) official languages (English and French).

3.20 **Equipment**

(a) **Tow Hooks**

- i The vehicle **must** be provided with tow hooks mounted at the front and at the rear; and
- ii Tow hooks and mountings of sufficient strength to permit the recovery of the vehicle **must** be provided.

(b) **License Plate Holders**

- i The vehicle **must** be provided with front and rear license plate holders; and
- ii The rear license plate **must** be illuminated.

(c) **Filler Caps** – The vehicle **must** be provided with permanently marked filler caps, which identify the contents using international symbols or in writing using both French and English;

(d) **Mud flaps** - The vehicle **must** be provided with front and rear mud flaps;

(f) **Boosting Equipment**

- i The vehicle **must** be provided with a boosting equipment;
- ii The boosting equipment **must** have battery powered jump-starting boosters for boosting vehicles equipped with 12 volt or 24 volt electrical starting systems;

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- iii The battery powered jump-starting booster system **must** be Revolt No. 747 or **Equivalent**;
- iv The boosting equipment **must** be protected in enclosed metal weatherproof compartments;
- v The compartments **must** be equipped with pad-lockable doors and two separate hooks to the boosting cables;
- vi A set of two(2) booster cables at least 10,668 mm (35' feet) **must** be provided;
- vii The compartments **must** have the interior walls and floor sprayed with Line-X or **Equivalent**;
- viii A removable, perforated vinyl matting **must** be provided on the floor of each compartment;
- ix The compartments **must** have interior LED lighting mounted in a protected location; and
- x The compartment **must** have provision for drainage.

3.21 **Accessories**

3.21.1 **Wrecker system**

(a) **Wrecker Body**

- i The vehicle **must** be provided with a wrecker body mounted using "U" bolts or shear plates;
- ii The vehicle **must** have a ground clearance of at least 300 mm;
- iii The vehicle **must** have a wheelbase of between 5,840 and 6,200 mm;
- iv A light pylon able to mount the emergency light bar **must** be provided;
- v A set of at least two (2) 50 meters (183 feet) air brake hose assemblies **must** be provided;
- vi A set of 2 rear mounted hydraulic deployable spades, complete with spade pads **must** be provided; and
- vii Four rear tie back loops **must** be provided.

(b) **Storage Compartments**

- i The vehicle **must** be provided with at least five (5) aluminum storage compartments;
- ii One large tool tunnel compartment, located behind the cab accessible from both curbside and road side **must** be provided;
- iii Two (2) compartments, located on the roadside forward of the rear axle, **must** be provided;
- iv Two (2) compartments, located on the curbside forward of the rear axle, **must** be provided;
- v Each compartment **must** have two (2) vertically hinged doors which do not interfere with access of operations;
- vi Each compartment **must** be equipped with flush-mounted slam action latches that can be locked with a padlock (s);

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- vii The compartments **must** be of weatherproof construction with anti-return type drainage;
  - viii The compartments **must** have the interior walls and floor sprayed with Line-X or **Equivalent**;
  - ix A removable, perforated vinyl matting **must** be provided on the floor of each compartment; and
  - x The compartments **must** have interior LED lighting mounted in a protected location.
- (c) **Body Lighting System**
- i The vehicle **must** be provided with a lighting system;
  - ii Two fog lights **must** be inset in the bumper;
  - iii A light switch on the dash board to operate the fog lights **must** be provided;
  - iv An emergency light bar and two flood lights that illuminate the winch area **must** be incorporated on the light pylon;
  - v A light switch on the dash board to operate the spot/flood lamps **must** be provided; and
  - vi Two work lights located beside the winch **must** be provided.
- (d) **Body Electrical System**
- i The wrecker body electrical system **must** be provided with a tow light arrangement and a 7-pin connector;
  - ii The electrical connectors **must** be located in the left rear corner of the wrecker body and rear of the controls; and
  - iii The electrical cord, complete with 7-pin plug and magnetic tow lights, **must** be long enough to allow the tow light units to be mounted at the rear of a 5 ton vehicle with a 7, 300 mm (24 foot) body.
- (e) **Slave Hydraulic Kit**
- i The system **must** be provided with a slave hydraulic kit;
  - ii The system **must** be capable of connecting to standard military pattern vehicles;
  - iii The hydraulic system **must** not be adversely affected by the slaved vehicle system;
  - iv The system **must** be able to accept hydraulic fluid from a slaved vehicle without overfilling the reservoir or have a slave hydraulic system that is independent of the recovery system's hydraulics; and
  - v The hydraulic system **must** be able to operate in cold climatic conditions, without loss of performance due to cold hydraulic fluids.
- (f) **Hydraulic Boom**
- i The vehicle **must** be provided with a hydraulic boom;
  - ii The hydraulic boom **must** have a structural rating of at least 35,000 kg (77,000 lbs) when fully retracted;

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- iii The hydraulic boom **must** have a structural rating of at least 30,000 kg (66,000 lbs) when fully extended;
  - iv The hydraulic boom **must** be able to recover/lift a vehicle with a 35,000 kg (77,000) GVW;
  - v The hydraulic boom **must** have hydraulically controlled extension mechanisms;
  - vi The boom elevating mechanism **must** be equipped with an integral holding valve;
  - vii The hydraulic boom **must** be equipped with 360° boom end swivels;
  - viii The hydraulic boom **must** have a reach beyond the tailgate of at least 457 mm (18 inches) when retracted;
  - ix The hydraulic boom **must** have a reach beyond the tailgate of 2,413 mm (95 inches) when extended at minimum elevation; and
  - x The hydraulic boom **must** have a reach beyond the tailgate of at least 939 mm (37 inches) when extended at maximum elevation.
- (g) **Hydraulic Under Axle/Wheel Lift System**
- i The vehicle **must** be provided with a hydraulic under axle/wheel lift system;
  - ii The system **must** be able to suspend tow a vehicle with an axle weight of at least 10,500 kg (22,000 lbs) when fully extended;
  - iii The system **must** have the lift system controls incorporated in the platform on the passenger side;
  - iv The system **must** be able to be operated using a wireless remote control unit with a range of at least 50 m;
  - v The system **must** be provided with commercial pattern adapter for axles and wheels;
  - vi The system **must** be provided with all four (4) sizes of adaptor to match standard military pattern vehicles as per NATO STANAG 4478;
  - vii The system **must** be provided with one (1) trailer hitch and one (1) pintle hook adaptor;
  - viii The system **must** be provided with one (1) set of "V" chains;
  - ix The system **must** be provided with one (1) set of tie-down chains and binders for the front; and
  - x The system **must** be provided with one (1) set of tie-down chains with "J" hooks;
  - xii The hydraulic under wheel lift **must** have the following attachments for under axle lifting;
    - 1. Quantity two (2) each of 88 mm (3.5 inch) short and tall forks;
    - 2. Quantity two (2) each of 152.4 mm (6 inches) inch short and tall forks; and
    - 3. Quantity two (2) each of spring forks and high stands.
  - xi The system **must** be provided with one (1) trailer hitch and one (1) pintle hook adaptor.

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- i The vehicle **must** be provided with a rear hydraulic winch;
- ii The hydraulic winch **must** have a rated first layer capacity of at least 20,000 kg (44,000 lbs);
- iii The hydraulic winch **must** include a wire rope of at least 60 m (197 feet) long with a rated capacity of 1.5 times the maximum rated capacity of the winch;
- iv The hydraulic winch **must** include an automatic drag and safety brake, a hydraulic overload device, a free spooling feature, a 900 mm (3 feet) leader chain with hook and a roller fairlead;
- v The hydraulic winch **must** be able to be operated using manual control levers mounted on the passenger side of the vehicle;
- vi The hydraulic winch **must** be able to be operated using a wireless remote control unit with a range of at least 50 m;
- vii The hydraulic winch **must** include a snatch block able to withstand the double line pull capacity of the winch;
- viii The hydraulic winch **must** be equipped with cable tensioners and air operated clutch releases;
- ix The hydraulic winch **must** be equipped with cable guide roller system assembly; and
- x The Hydraulic winch **must** operate directly to the rear of the vehicle and up to 90° to either side of the vehicle.

(i) **Hydraulic Under Wheel Lift**

- i The vehicle **must** be provided with a hydraulic under wheel lift;
- ii The hydraulic under wheel lift **must** have a lifting capacity of at least 20,00 kg (44,000 lbs) fully retracted, and a lifting capacity of at least 7,000 kg (15,400 lbs) fully extended;
- iii The extension, retraction and folding of the boom **must** be done hydraulically;
- iv The Hydraulic under wheel lift **must** extend no more than 1500 mm beyond the tailgate when retracted;
- v The Hydraulic under wheel lift **must** have a reach beyond the tailgate of at least 2800 mm when extended;
- vi The hydraulic under wheel lift **must** have a towing capacity of at least 35,000 kg (77,000 lbs);
- vii The hydraulic under wheel lift **must** have full power up and full power down, and the capability of tilting up above horizontal and tilting below horizontal;
- viii The hydraulic under wheel lift **must** allow a yaw of at least 45° in either direction from the center line of the vehicle;
- ix The hydraulic under wheel lift **must** allow a roll of at least 15° in either direction from horizontal;

(j) **Stabilizers**

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- i The vehicle **must** be provided with four (4) hydraulically operated stabilizers; two (2) installed at the rear and one (1) installed on each side behind the cab;
  - ii The stabilizers **must** be capable of supporting the maximum overturning moment of the vehicle when winching;
  - iii The stabilizers **must** lower to at least 300 mm (12 inches) below the vehicle ground level;
  - iv The stabilizers **must** be self-stowing;
  - v The stabilizers **must** have a stowed road clearance of at least 200 mm (8 inch);
  - vi The stabilizers **must** be provided with foot plates; and
  - vii Each foot plate **must** be provided with a load spreader plate.
- (k) **Remote Control**
- i The vehicle must be provided with a remote control that can be operated either wireless or attached to wrecker body through a cable;
  - ii If the remote control is attached with a cable, the cable must have a minimum length of 10 metres;
  - iii The remote control must control all hydraulic operations;
  - iv The remote control must allow the operator to control the wrecker while wearing winter apparel including work/winter gloves;
  - v The remote control must be provided with an emergency stop button;
  - vi The remote control must be operable under all lighting conditions;
  - vii The remote control must be provided with a button to activate an alert horn; and
  - viii The remote control must be provided with a waist belt and a neck strap.

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4. **INTEGRATED LOGISTIC ITEMS**

4.1 **Contractor Documentation and Integrated Logistic Items**

4.1.1 **Documents to Technical Authority (Designated Contact) on Contract**

(a) **Manuals for Approval**

- i The Contractor **must** supply access to a set of manuals, in digital format, including the operator, parts and maintenance (shop repair) manuals;
- ii The set of manuals **must** include manuals for all the specified accessories and features. Accessory manuals may be included as supplements to the vehicle manuals;
- iii Digital copies **must** be supplied in a searchable PDF format;
- iv Digital copies **must** be supplied on a CD or DVD;
- v The CD or DVD **must** be permanently and legibly marked with a list of contents;
- vi Digital copies **must** be functional without the requirement for a password, on auto-run installation procedure or internet connexion;
- vii Paper copies of manuals delivered under this contract **must** have the same content as the electronic format approved by the **Technical Authority**;
- viii On-line maintenance manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees;
- ix Manuals will not be returned;
- x Manual approval or comments will be supplied within 15 working days of receipt; and
- xi The Contractor **must** supply responses to the **Technical Authority's** comments.

(b) **Photographs and Line Drawings**

- i The Contractor **must** supply two (2) digital colour photographs, one left-front three-quarter full vehicle view, and one right-rear three-quarter full vehicle view;
- ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment **must** be supplied;
- iii One front-view and one side-view line drawing showing dimensions of the vehicle **must** be supplied. Brochure line drawings are acceptable;
- iv Photographs **must** be on a plain background;
- v Photographs **must** be in a JPEG (Joint Photographic Experts Group) format; and
- vi Photographs **must** have a resolution of at least eight (8) Mega pixels.

(c) **Data Summary**

- i The Contractor **must** supply a bilingual data summary, with vehicle data (including accessories and features) and a vehicle picture;

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- ii The **Technical Authority** will supply a bilingual template of a data summary to the Contractor;
  - iii The Contractor **must** submit a digital copy (MS Word) of the completed data summary for approval;
  - iv Data summary approval or comments will be supplied within 15 working days of receipt; and
  - v The Contractor **must** provide responses to the **Technical Authority's** comments.
- (d) **Warranty Letter**
- i The **Technical Authority** will supply a current bilingual warranty letter template to the Contractor;
  - ii The Contractor **must** supply a complete description of the warranty with the requested warranty terms and any system or sub system warranty that exceeds the minimum requested;
  - iii The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada;
  - iv Designated warranty providers **must** honour the warranty letter; and
  - v The Contractor **must** supply a copy of the warranty letter, in PDF digital format, for each vehicle delivered, to the **Technical Authority**.
- (e) **Safety Data Sheets**
- i The Contractor **must** supply a list, in digital format, of all hazardous materials used on the vehicle;
  - ii If there are no hazardous materials are used, this **must** be stated on the list; and
  - iii The Contractor **must** supply safety data sheets of all hazardous materials in the list.
- (f) **Rust Protection Warranty** - A copy, in digital format, of the warranty from the rust protection provider **must** be supplied, to the **Technical Authority**;
- (g) **Training Plan(s)** - The Contractor **must** supply the training plan for approval, for each of the training requirements listed in paragraph 4.2 to the **Technical Authority**; and
- (h) **Line Setting Ticket** – The Contractor **must** supply a copy of the production line setting ticket, in digital format, with supplemental listing for each completed vehicle, to the **Technical Authority**..

4.1.2 **Items Supplied with Each Vehicle**

- (a) **Operator's Manual** - The Contractor **must** supply an approved bilingual operator's manual in both paper and digital format;
- (b) **Warranty Letter** - The Contractor **must** supply a paper copy of the warranty letter;
- (c) **Safety Data Sheets**
  - i The Contractor **must** supply a set of safety data sheets in paper or digital; and
  - ii The safety data sheets **must** be the same as those supplied to the **Technical Authority** as per paragraph 4.1.2

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- (d) **Rust Protection Warranty** – The Contractor **must** supply a copy of the warranty letter from the rust protection provider;
- (e) **Line Setting Ticket** – The Contractor **must** supply a paper or digital copy of the production line setting ticket with supplemental list; and
- (f) **Keys** - The Contractor **must** supply four (4) keys in accordance with paragraph 3.5 (h).

4.1.3 **Additional Items**

- (a) **Digital Maintenance Manual**
  - i The Contractor **must** supply the approved searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle features and accessories;
  - ii The Contractor may supply this deliverable as a bilingual package;
  - iii On-line maintenance manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees; and
  - iv Paper format maintenance manuals may be supplied in lieu of the digital maintenance manuals.
- (b) **Digital Parts Manual**
  - i The Contractor **must** supply the approved searchable digital parts manuals in English required the vehicle, features and accessories on a CD/DVD-ROM; and
  - ii On-line parts manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees; and
  - iii Paper format maintenance manuals may be supplied in lieu of the digital maintenance manuals.

4.2 **Training**

**Training - Familiarization**

- i The Contractor **must** supply a familiarization course in the official language (English or French) as requested by the **Technical Authority** and as specified in the contract for each delivery destination;
- ii The course instructor **must** be an OEM Factory Certified Training Provider;
- iii The familiarization course **must** include operation and maintenance segments demonstrating, all safety measures required for safe vehicle use, instructions on the use of all accessories supplied and operator maintenance;
- iv The instructor **must** supply responses to questions;
- v The familiarization course **must** have a minimum duration of eight (8) hours;
- vi The familiarization course **must** accommodate up to eight (8) personnel;
- vii The familiarization course **must** be supplied at each delivery destination;
- viii The date for the familiarization course **must** be arranged with the **Technical Authority**;

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- ix After completion of the familiarization course, the Contractor **must** have the "**PROOF OF FAMILIARIZATION**" certificate signed by the senior course attendee; and
- x The **Technical Authority** will supply the "**PROOF OF FAMILIARIZATION**" document template in a digital format.

Appendix 1 – W8476-195975/A  
**TECHNICAL INFORMATION QUESTIONNAIRE**  
**CLASS 8 COMMERCIAL HEAVY RECOVERY VEHICLE**

2018-07-30



**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.

This questionnaire covers technical information, which **must** be supplied for evaluation of the configurations of the vehicle offered.

Where the purchase description paragraphs below indicate "**Substantial Information**", the "**Substantial Information**" **must** be supplied for each performance requirement/specification.

Bidders should indicate the document name/title and page number where the **Substantial Information** can be found.

Definition for **equivalent** is found in the **DEFINITION** section at the end of this document.

**CONTRACTOR INFORMATION**

Contractor Name \_\_\_\_\_

Date \_\_\_\_\_

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OPI DSVPM 4 – DAPVS 4

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**Appendix 1 – W8476-195975/A**  
**TECHNICAL INFORMATION QUESTIONNAIRE**  
**CLASS 8 COMMERCIAL HEAVY RECOVERY VEHICLE**

**Substitutes/Alternatives**

Are any substitutes/alternatives offered as **equivalent**? YES  NO

If yes, please identify all equipment substitutes/alternatives offered as **equivalents** below:

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**NOTE: Substantial Information**

**PURCHASE DESCRIPTION PARAGRAPHS**

**Vehicle - Substantial Information**

Make and Model shown on page \_\_\_\_ of document \_\_\_\_\_

**3.4 Performance - Substantial Information**

Computer generated performance analysis is document \_\_\_\_\_

**Substantial Information** for performance requirements **must** be provided using a computer generated performance analysis on third party software. The analysis **must** demonstrate top road speed, vehicle gradability at 90 km/h and horsepower required. The analysis **must** be based on the vehicle GVWR. One computer generated performance analysis must be provided.

**3.6 Chassis - Substantial Information**

(a) Frame RBM on page \_\_\_\_ of document \_\_\_\_\_

**3.6.1 Suspension - Substantial Information**

(a) Front suspension

Details on page \_\_\_\_ of document \_\_\_\_\_

Rear suspension

Details on page \_\_\_\_ of document \_\_\_\_\_

**3.7 Engine - Substantial Information**

Details on page \_\_\_\_ of document \_\_\_\_\_

**3.7.2 Fuel Reservoir(s)**

(a) Fuel reservoir(s) - **Substantial Information**

Details on page \_\_\_\_ of document \_\_\_\_\_

**3.8.1 Automatic Transmission - Substantial Information**

(a) Details on page \_\_\_\_ of document \_\_\_\_\_

**3.8.2 Axles - Substantial Information**

(a) Front axle

Details on page \_\_\_\_ of document \_\_\_\_\_

(b) Rear axle

Details on page \_\_\_\_ of document \_\_\_\_\_ Rating

**3.11 Wheels and Tires - Substantial Information**

(a) Front tires

Details on page \_\_\_\_ of document \_\_\_\_\_

Rear tires

**Appendix 1 – W8476-195975/A**  
**TECHNICAL INFORMATION QUESTIONNAIRE**  
**CLASS 8 COMMERCIAL HEAVY RECOVERY VEHICLE**

Details on page \_\_\_\_ of document \_\_\_\_\_

3.14 **Electrical System**

(a) Alternator - **Substantial Information**

Output on page \_\_\_\_ of document \_\_\_\_\_

(b) Battery - **Substantial Information**

Quantity \_\_\_\_\_ - Make \_\_\_\_\_ - Model \_\_\_\_\_

Cold cranking amperes on page \_\_\_\_ of document \_\_\_\_\_

3.20 **Equipment**

(f) **Boosting Equipment** - **Substantial Information**

ii Details on page \_\_\_\_ of document \_\_\_\_\_

iii Details on page \_\_\_\_ of document \_\_\_\_\_

3.21 **Accessories**

3.21.1 **Wrecker Body/ System** - **Substantial Information**

Wrecker Body/System line drawing with dimensions on page \_\_\_\_\_ of document \_\_\_\_\_

(f) **Hydraulic Boom** - **Substantial Information**

ii Details on page \_\_\_\_ of document \_\_\_\_\_

(g) **Hydraulic Under Axle/Wheel Lift** - **Substantial Information**

ii Details on page \_\_\_\_ of document \_\_\_\_\_

(h) **Rear Hydraulic Winch** - **Substantial Information**

ii Details on page \_\_\_\_ of document \_\_\_\_\_

(i) **Hydraulic Under Wheel Lift** - **Substantial Information**

ii Details on page \_\_\_\_ of document \_\_\_\_\_

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TECHNICAL INFORMATION QUESTIONNAIRE  
CLASS 8 COMMERCIAL HEAVY RECOVERY VEHICLE

DEFINITION

The following definition apply to the interpretation of this Technical Information Questionnaire:

“**Equivalent**” *must* mean a standard, means, or component type, which the **Technical Authority** has approved for this requirement as meeting the specified requirements for fit, form, function and performance.