



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

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet Truck, Recovery, Class 7	
Solicitation No. - N° de l'invitation W8476-185745/A	Date 2018-01-03
Client Reference No. - N° de référence du client 6000412279	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-539-74059	
File No. - N° de dossier hp539.W8476-185745	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-02-13	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Cafferty, Kathy	Buyer Id - Id de l'acheteur hp539
Telephone No. - N° de téléphone (873) 469-3322 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure:

- 1.1.1 Qty 3, **Truck, Class 7, Recovery** and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.
- 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).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2017-04-27) 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.

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

Canada requests that bidders provide their 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 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 (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 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 to Annex "B" - Technical Information Questionnaire dated 2017-11-15

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 , 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 , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.

5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

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

Section IV: Additional Information

Canada requests that bidders submit the following information:

3.1.4 Delivery

Firm Quantity

While delivery of the vehicle(s) is requested by 14 June 2018 the best delivery that can be offered is as follows:

- Item 001 – Qty 1, **Truck, Class 7, Recovery, Car Carrier, Configuration A-1** and related items will be delivered within _____ calendar days from the effective date of the contract.
- Item 002 – Qty 1, **Truck, Class 7, Recovery, Car Carrier, Configuration A** and related items will be delivered within _____ calendar days from the effective date of the contract.
- Item 003 – Qty 1, **Truck, Class 7, Recovery, Wrecker, Configuration B** and related items will be delivered within _____ calendar days from the effective date of the contract.

Optional Quantity

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

- Item 004 – Up to Qty 2, **Truck, Class 7, Recovery, Car Carrier, Configuration A** and ancillary items will be delivered within _____ calendar days after an option is exercised.
- Item 005 – Up to Qty 1, **Truck, Class 7, Recovery, Wrecker, Configuration B** and ancillary items will be delivered within _____ calendar days after an option is exercised.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1. Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Evaluation 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 I - Substitutes and Alternatives to be considered for evaluation.

4.1.2 Mandatory Financial Evaluation Criteria

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

4.1.2.2 The prices of the bid Bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001, 002, 003 and optional quantity item 004 and 005, Canadian dollars for familiarization instructions/training (option) item 006 and item 007. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.2.3 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).

4.1.2.4 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.

4.1.2.5 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).

4.1.2.6 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).

4.1.2.7 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.

4.2. Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

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

5.2.3 Additional Certifications Precedent to Contract Award

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

5.2.3.1 Product Conformance

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

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

Bidder's authorized representative signature

Date

5.2.3.2 General Environmental Criteria Certification

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

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

Bidders' Authorized Representative Signature

Date

Or

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

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

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
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 Qty 3, **Truck, Class 7, Recovery** and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B"- Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

6.1.2 The Contractor grants to Canada irrevocable options identified in Annex "A"- Pricing.

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

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

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

6.2. Standard Clauses and Conditions

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

6.2.1 General Conditions

2010A (2016-04-04) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

6.3. Term of Contract

6.3.1 Delivery of Vehicle

6.3.1.1 Firm Quantity

Delivery date of the vehicle must be made as follows:

Item 001 - **Truck, Class 7, Recovery, Car Carrier, Configuration A-1** and ancillary items must be delivered on or before

_____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

Item 002 - **Truck, Class 7, Recovery, Car Carrier, Configuration A** and ancillary items must be delivered on or before

_____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

Item 003 - **Truck, Class 7, Recovery, Wrecker, Configuration B** and ancillary items must be delivered on or before

_____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

6.3.1.2 Option Quantity

Item 004 - **Truck, Class 7, Recovery, Car Carrier, Configuration A** and ancillary items to be delivered within _____ calendar days after an option is exercised. (Days to be inserted by PWGSC the Contracting Authority at time of contract award.)

Item 005 - **Truck, Class 7, Recovery, Wrecker, Configuration B** and ancillary items to be delivered within _____ calendar days after an option is exercised. (Days to be inserted by PWGSC the Contracting Authority at time of contract award.)

6.4. Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kathy Cafferty
Title: Supply Specialist
Organization: Public Works and Government Services Canada -
Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street,
Gatineau Quebec, K1A 0S5
Telephone: 873 469-3322
Facsimile: 819 953-2953
E-mail: Kathy.Cafferty@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the

Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.4.2 Procurement Authority

The Procurement Authority for the Contract is:

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

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

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

6.4.3 Technical Authority:

The Technical Authority for the Contract is:

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

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

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical

Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.4.4 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

Delivery follow-up

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

6.4.5 After-Sales Service

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

Item 001

Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

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

Body

Name: _____

Address: _____

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 002

Cab and Chassis

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Body

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 003

Cab and Chassis

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Body

Name:

Address:

Telephone Number: _____

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

6.5. Payment

6.5.1 Basis of Payment

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

6.5.1.1 Basis of Payment (BOP) Type 1

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

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable). (delete if the bidder does not request the exchange rate fluctuation)

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). (delete if the bidder does not request the exchange rate fluctuation)

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/index.php?sid=90&hl=1&lang=eng>), 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). (delete if the bidder does not request the exchange rate fluctuation)

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

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 # BT821**. 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 _____

- (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, 002, 003, 004 and 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" list. 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 (2016-04-04) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15;
- (e) Appendix 1- Technical Information Questionnaire dated 2017-11-15;
- (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
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2017-08-17
D5515C	Quality Assurance Authority (DND) - Foreign-based and	2010-01-11

	United States Contractor	
D5545C	ISO 9001:2000 - Quality Management Systems - Requirements (QAC C)	2010-08-16
D5604C	Release Documents - Foreign based Contractor	2008-12-12
D5605C	Release Documents - US based Contractors	2010-01-11
D5606C	Release Documents - Canadian-based Contractors	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2016-01-28

6.11 Inspection and Acceptance

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

6.12 Preparation for Delivery

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

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

6.13 Shipping Instructions - Delivery at Destination

- 6.13.1 The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A" - Pricing). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.
- 6.13.2 The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the contacts specified in Annex "A" - Pricing. The consignee may refuse shipments when prior arrangements have not been made.

6.14 Release Documents - Distribution

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

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
Attention: _____

- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A OK2
E-mail: ContractAdmin.DQA@forces.gc.ca.

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. (2017 model-year or newer).

6.19 Design Changes

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

6.20 Interchangeability

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

6.21 Packaging

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

6.22 Service at Delivery

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

6.23 Vehicle Recall Notices

All vehicle recall notices must be forwarded to:

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

Attention: DLP 5-3-4-2

ANNEX "A" - PRICING

Item 001 Truck, Class 7, Recovery, Car Carrier, Configuration A-1 (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the manuals, photographs, line drawings, data summary, warranty letter(s), rust protection warranty, line setting ticket(s) and familiarization training in French in accordance with the attached Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

The truck and ancillary items must be delivered to:

Garnison St-Jean

5 GSS Svc Sn Mat/Transport Maintenance
Edifice/Bldg H101
CP 100 SUCC Bureau-Chef
Richelain, QC J0J 1R0

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 Truck, Class 7, Recovery, Car Carrier, Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the manuals, photographs, line drawings, data summary, warranty letter(s), rust protection warranty, line setting ticket(s) and familiarization training in English in accordance with the attached Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

The truck and ancillary items must be delivered to:

17 WG Winnipeg

Major Equipment Section
17 Wing Winnipeg, Bldg 129
Logistics Bldg, Door 13
Winnipeg, MB R3J 3Y5

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 Truck, Class 7, Recovery, Wrecker, Configuration B (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the manuals, photographs, line drawings, data summary, warranty letter(s), rust protection warranty, line setting ticket(s) and familiarization training in English in accordance with the attached Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

The truck and ancillary items must be delivered to:

14 WG Greenwood

Major Equipment Section
14 Wing
CFB Greenwood
Greenwood, ON B0P 1N0

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 004 Truck, Class 7, Recovery, Car Carrier, Configuration A (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including manuals, warranty letter(s), rust protection warranty and line setting ticket(s) in accordance with the attached Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

For Destinations in British Columbia

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

For Destinations in Alberta and Saskatchewan

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

For Destinations in Manitoba

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

For Destinations in Ontario and Quebec

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

For Destinations in New Brunswick and Nova Scotia

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

Quantity: Up to Two (2)

Item 005 Truck, Class 7, Recovery, Car Carrier, Configuration B (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including manuals, warranty letter(s), rust protection warranty and line setting ticket(s) in accordance with the attached Annex "B" - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

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 One (1)

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 - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

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 Three (3)

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 - Purchase Description - Class 7 Mid-Range Diesel Trucks Recovery Systems dated 2017-11-15.

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 Three (3)

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 Three (3)

O

**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 Class 7 Mid-Range Diesel Trucks (cab and chassis) 4x4 and 4x2 configurations, 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.

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 of the trailer and payload in the trailer; and
- (j) **"Gross Axle Weight Rating"** (GAWR) means the load capacity of an axle.

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

CHARACTERISTIC	PARAGRAPH	UNITS	CONFIGURATION	
			A.Cab & Chassis 4x2 complete with a Car Carrier System	B.Cab & Chassis 4x4 complete with a Wrecker System
HORSEPOWER	3.4 (c)	-	300	300
GVWR	3.4 (d)	kg	16,783	16,783
GAWR FRONT	3.4 (f)	kg	6,350	6,350
GAWR REAR	3.4 (g)	kg	10,433	10,433
GCWR	3.4 (e)	kg	21,783	28,123
TOWED LOAD	3.4 (i)	kg	5,000	11,340
PAYLOAD	3.4 (h)	kg	10,000	-
FRAME RBM	3.6 (a)	kg-m	42,804	42,804
FUEL CAPACITY	3.7.2 (a)	litres	375	375

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

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 Standards

3.3.1 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 5-95th 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
- (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 105 km/h operating at the GVWR on a flat, level road;
- (b) The vehicle **must** have a gradability, at a speed of at least 90 km/h, of at least 0.8 %, when operating at the GCWR (paragraph 3.4 (e));
- (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) and 3.4 (b));
- (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 "GVWR" in the Data Table (paragraph 1.4);
- (g) The vehicle **must** have a GAWR rear of at least that given as "GAWR" in the Data Table (paragraph 1.4);
- (h) The vehicle **must** have a payload capacity of at least that given as "Payload" in the Data Table (paragraph 1.4); and
- (i) When operating at the GVWR, 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 visibility window;
- (b) **Cab Features**
 - i The cab **must** be provided with seating for three(3) (the driver and two passengers);

- ii The cab **must** be provided with a high-back air suspended driver's seat with fold up arm rest on the interior side;
- iii Medium to dark coloured cloth upholstered seats **must** be provided;
- iv The vehicle **must** be provided with a bench seat for two passengers;
- v All seating position **must** be provided with retractable shoulder/lap belt assemblies. A lap belt assembly will be acceptable for the centre passenger in the bench seat;
- vi The cab **must** be provided with tinted side windows;
- vii The cab **must** be provided with windshield wipers with at least two (2) continuous speeds and one (1) intermittent speed;
- viii The windshield wipers **must** be provided with arctic wiper blades;
- ix The cab **must** be provided with two (2) rotating and pivoting interior sun visors mounted above the front windshield and usable on the side windows;
- x The cab **must** be provided with padded armrests on both doors;
- xi The cab **must** be provided with coat hooks;
- xii The cab **must** be provided with black rubber floor covering;
- xiii The cab **must** be provided with powered windows;
- xiv The cab **must** be provided with an exterior sun visor mounted above the windshield;
- xv The cab **must** be provided with an air horn;
- xvi The cab **must** be provided with a stone and bug deflector mounted on the front hood; and
- xvii The cab **must** be provided with powered door locks on all doors.

(c) **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 150 mm x 400 mm (6 x 16 inches);
- iii The flat mirror glass **must** be separately replaceable;
- iv Each mirror **must** be provided with a convex mirror section located below the flat section, that has an area of at least 200 mm (8 inch) diameter;

- v The convex mirror glass **must** be separately replaceable;
 - vi 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;
 - vii The flat and convex mirrors **must** be provided with heating defrost elements;
 - viii Mirror heating **must** be activated by an in-cab control accessible to the operator; and
 - ix Heating elements **must** be replaceable.
- (d) **Fender Mirror** - Tripod or fender integrated mirrors **must** be provided on the right and left hand fenders;
- (e) **Air Conditioning** - The vehicle **must** be provided with an air conditioning system;
- (f) **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.

3.6 **Chassis**

- (a) The vehicle **must** be provided with a high strength steel vehicle frame having a resisting bending moment ("**FRAME RBM**") of at least 42,804 kg-m (3,715,200 lbs-in); and
- (b) An integral front frame extension of at least 508 mm **must** be provided.

3.6.1 **Suspension**

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

3.7.1 **Engine Components**

- (a) **Engine Air Filter**

- i The engine air filter **must** be a replaceable dry-type with at least two stages; and
 - ii 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 for temperatures down to -40° C;
 - (c) The engine **must** be provided with an exhaust system;
 - (d) The exhaust system **must** have a vertical stack that clears the cab roofline; and
 - (e) The exhaust system **must** be provided with an exhaust elbow at the exhaust exit.

3.7.2 Fuel Reservoir(s)

- (a) The vehicle **must** have a total fuel capacity of at least 375 litres;
- (b) The fuel tank filler areas **must** be marked to identify the required vehicle fuel; and
- (c) The caps for fuel tanks **must** be lockable.

3.7.3 Engine Cold Weather Aids

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

3.8 Vehicle Driveline

3.8.1 Automatic Transmission

- (a) The vehicle **must** be provided with an automatic transmission;
- (b) The transmission **must** have at least six (6) forward speeds and one reverse speed;
- (c) The transmission **must** be provided with a neutral start safety switch;
- (d) The transmission **must** be provided with an aperture or an **Equivalent** feature to provide an attachment/drive location for a power take-off (PTO); and
- (e) The vehicle **must** have an external transmission oil cooler.

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 single reduction, rear drive axle; and
- (c) The rear axle **must** be provided with a driver controlled differential lock.

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 (ABS) brake system;
- (c) The brake system **must** be provided with air disc 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 0.51 cubic metres per minute (18 cfm);
- (e) The brake system **must** be provided with a wet air reservoir with a quick connect fitting for the connection of an air-line;
- (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;
- (i) The brake system **must** be provided with emergency brake chambers on all rear axles; and
- (j) The brake system **must** be provided with a trailer brake control mounted on or near the steering column.

3.9.1 **Additional Brake Requirement** - The following Additional Brake Requirement **must** be provided for Configuration B Cab & Chassis complete with the Wrecker Body System;

- (a) **Front Glad Hands** - Be equipped with glad hands mounted on the front of the vehicle;
- (b) **Rear Glad Hands** - 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) The front axle **must** be provided with single wheels;
- (b) The rear axle **must** be provided with dual wheels;

- (c) The front axle **must** be provided with tires with mud and snow treads;
- (d) The rear axle **must** be provided with tires with mud and snow treads;
- (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;
- (h) The wheel assemblies **must** have a capacity equal to or greater than the load applied, at the top vehicle speed (paragraph 3.4 (a));
- (i) The wheel assemblies **must** be assembled in accordance with the tire and rim manufacturer's specifications;
- (j) The vehicle **must** be provided with a spare tire assembly with the same rim and tire as those mounted on the front axle;
- (k) A dedicated and secure storage location for the spare tire assembly **must** be provided on the vehicle; and
- (l) The vehicle **must** be provided with rear mud flaps mounted on angle type spring-loaded hangers or Equivalent.

3.12 **Controls** - The vehicle **must** be provided with a cruise control system with a fast idle feature.

3.13 **Instruments** - All dash board gauges and readouts **must** indicate metric units.

3.14 **Electrical System**

- (a) The electrical system **must** be provided with an alternator with an output of at least 145 amperes;
- (b) The electrical system **must** be provided with maintenance-free batteries with a combined rating at least 2,500 cold cranking amperes (CCA);
- (c) The electrical system **must** be provided with a master disconnect switch to isolate the vehicle batteries from the system;
- (d) The vehicle **must** be provided with a light switch inside the cab to operate the spot/ flood lamps;
- (e) The wiring **must** be protected by insulating grommets where passing through metal; and
- (f) 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 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 In addition to the standard lighting, the vehicle **must** be provided with two(2) omni-directional beacon;
- 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;
- vi The beacon **must** be LED; and
- vii The colour of the beacon **must** be amber.

3.16 Lubricants and Hydraulic Fluids

- (a) The vehicle **must** operate using synthetic non-proprietary lubricants and hydraulic fluids; and
- (b) Grease fittings **must** conform to SAE J534.

3.17 Paint

- (a) The vehicle **must** be painted using the manufacturer's commercial painting system;
- (b) Fuel tank(s), disc wheels and bumpers **must** be painted as specified in Paint Table for each configuration;

3.17.1 Paint Table - The following table shows the paint required for each configuration.

Paint Requirement				
Item	Configuration	Colour	Qty	Destination
CAB & CHASSIS 4X2 COMPLETE WITH A CAR CARRIER	A	White - Standard Commercial Colour	1	Winnipeg
	A-1	Dark Green - Standard Commercial Colour	1	St-Jean
CAB & CHASSIS 4x4 COMPLETE WITH A WRECKER SYSTEM	B	Dark Green - Standard Commercial Colour	1	14 Wing Greenwood

3.17.2 Conspicuity - Conspicuity tape **must** be provided in accordance with MVSA regulations.

3.17.3 Corrosion Protection - The vehicle **must** be provided with a rust protection treatment such as Krown Rust Control, Rust Check or an Equivalent.

3.18 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 **Warning and Instruction Plates**

- (a) The vehicle **must** be provided with warning and operation instruction plates in accordance with SAE J115; and
- (b) 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;

- (e) **Rubber Splash Guards** - The vehicle **must** be provided with at least 90 mm (3.5 inch) rubber splash guards on front fenders on all 4x4 chassis;

(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;
- 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 padlockable 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 X-Box Liner, 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 Car Carrier System

(a) Car Carrier Body

- i The vehicle **must** be provided with a car carrier platform mounted using "U" bolts or shear plates (Fig.1);
- ii The car carrier platform **must** have a length of at least 7,010 mm(276 inches);
- iii The car carrier platform **must** have a maximum width of no more than 2,590 mm(102 inches);
- iv The car carrier platform width inside the side rails **must** have at least 2,489 mm(98 inches);
- v The car carrier platform **must** be equipped with a positive lock-down device;
- vi Permanently wired weatherproof platform controls **must** be provided on the left and right rear sides of the platform;
- vii The car carrier body **must** be provided with steel construction and the deck constructed of at least 4.8 mm (3/16-inch) steel checker plate with at least 152 mm (6 inches) T1 steel plate welded at the rear end of the deck;
- viii The car carrier body **must** have cross-members of at least 305 mm (12 inches) centers;
- ix The car carrier **must** be equipped with removable side rails at least 152 mm (6 inches) provided on the left and right side of the deck;
- x The car carrier platform **must** be mounted on plastic sliding surface (such as Nylatron) to facilitate the movement of the sliding deck;
- xi The car carrier body **must** have a cab protector;
- xii The car carrier body **must** have platform equipped with left and right chain trays located at the front of the deck;
- xiii The car carrier body **must** have at least five chain slots per deck side;
- xiv The car carrier body **must** have at least four, winch binder sliding tracks on the side of the deck bed; and
- xv Winch binders straps of at least 76 mm x 9,000 mm (3 inches x 30 feet) **must** be provided.

(b) Storage Compartment

- i The vehicle **must** be provided with one (1) aluminum frame mounted storage compartment;

- ii The compartment located in a Technical Authority Approved location **must** have nominal dimensions of 1,830 mm x 610 mm x 610 mm (72 x 24 x 24 inches);
- iii Each compartment **must** have two (2) vertically hinged doors which do not interfere with access of operations;
- iv Each compartment **must** be equipped with flush-mounted slam action latches that can be locked with a padlock (s);
- v Each compartment **must** have a load capacity of at least 136 kg;
- vi The compartments **must** be of weatherproof construction with anti-return type drainage;
- vii The compartments **must** have the interior walls and floor sprayed with X-Box Liner, Line-X or Equivalent;
- viii A removable, perforated vinyl matting **must** be provided on the floor of each compartment; and
- ix 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 All lights **must** be LED;
- iii A light pylon incorporating a chain rack **must** be provided;
- iv Two work lights mounted on top of the rear bumper **must** be provided;
- v Three marker lights on each side of the platform **must** be provided;
- vi Two-unit amber light **must** be provided;
- vii Deck lights mounted on each side of the winch **must** be provided; and
- viii Dash mounted and properly identified light switches **must** be provided.

(d) **Body Electrical System**

- i A 7-pin electrical connector, and a tow light arrangement **must** be provided; and
- ii The electrical cord, complete with 7-pin plug and tow lights, **must** be long enough to allow the tow light units to be mounted at the rear of a vehicle with a 7.3 meters (24 feet) long vehicle.

(e) **Hydraulic System**

- i The vehicle **must** be provided with a hydraulic system;
- ii The hydraulic system **must** be equipped with a 17-gpm hydraulic pump mounted directly to the Power Take Off (PTO);

- iii The hydraulic system **must** have a 20-gallon hydraulic tank equipped with a filter; and
- iv The hydraulic system **must** have a hydraulic five-spool main hydraulic valve bank.

(f) **Deck Hydraulic Winch**

- i A hydraulic winch mounted between the light pylons on car carrier deck **must** be provided;
- ii The winch **must** have a first layer capacity of at least 5,443 kg (12,000 lbs);
- iii The winch **must** have a winch cable of at least 23 meters (75 feet) long and a nominal 11 mm (7/16 inch) in diameter;
- iv The winch **must** have winch circuits equipped with a wireless remote control unit.
- v The remote control unit **must** operate the winch and the hydraulic under wheel lift;
- vi The winch **must** have a hydraulic pump equipped with an automatic overload bypass;
- vii The winch **must** be equipped with cable tensioners and air operated clutch releases;
- viii The winch **must** be provided with a removable roller guide at the center rear of the platform;
- ix The winch **must** be provided with a stabilizer grip system at the rear of the platform to stop the vehicle from sliding rearwards during winching operations;
- x The winch **must** have all components suitably protected to prevent damage; and
- xi The winch **must** have safety warning decals and yellow and black warning strips provided where required.

(g) **Front Hydraulic Winch**

- i The vehicle **must** be provided with a front mounted hydraulic winch;
- ii The hydraulic winch **must** have a rated first layer capacity of at least 9,072 kg (20,000 lbs);
- iii The hydraulic winch **must** include a wire rope of at least 45 m (150 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** operate using a wireless remote control unit;
- vi The hydraulic winch **must** include a snatch block to withstand a double line pull capacity of the winch;

- vii The hydraulic winch **must** be equipped with cable tensioners and air operated clutch releases;
- viii The hydraulic winch **must** be equipped with cable guide roller system assembly; and
- ix The hydraulic winch **must** have a brochure detailing the winch information.
- x The winch **must** have a brochure detailing the winch information.

(h) **Hydraulic Under Axle 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 1,814 kg (4,000-lb) when fully extended;
- iii The system **must** have the lift system controls incorporated in the platform and remote control systems;
- iv The system **must** be provided with one (1) trailer hitch and one (1) pintle hook adaptor;
- v The system **must** be provided with one (1) set of "V" chains;
- vi The system **must** be provided with one (1) set of tie-down chains and binders for the front; and
- vii The system **must** be provided with one (1) set of tie-down chains with "J" hooks.

3.21.2 **Wrecker system**

(a) **Wrecker Body**

- i The vehicle **must** be provided with a wrecker body mounted using "U" bolts or shear plates (Fig.2);
- ii A light pylon able to mount the emergency light bar and other required lighting **must** be provided;
- iii A set of 2 at least 183 meters (50 feet) air brake hose assemblies **must** be provided;
- iv A set of 2 rear mounted hydraulic deployable spades, complete with spade pads **must** be provided; and
- v Four rear tie back loops **must** be provided.

(b) **Storage Compartments**

- i The vehicle **must** be provided with three (3) aluminum storage compartments;
- ii One large tool tunnel compartment, located behind the cab accessible from both curbside and road side **must** be provided;

- iii One (1) compartment, located on the roadside forward of the rear axle, **must** be provided;
- iv One (1) compartment, 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);
- vii Each compartment **must** have a load capacity of at least 136 kg;
- viii The compartments **must** be of weatherproof construction with anti-return type drainage;
- ix The compartments **must** have the interior walls and floor sprayed with X-Box Liner, Line-X or Equivalent;
- x A removable, perforated vinyl matting **must** be provided on the floor of each compartment; and
- xi 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;
- vi Two work lights located beside the winches **must** be provided; and
- vii Two work lights located on the rear face, inset midway between the top and bottom **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) van.

(e) Hydraulic System

- i The vehicle **must** be provided with a hydraulic system;
- ii The hydraulic system **must** be powered by an air operated "Hot Shift" type Power Take Off (PTO);
- iii The hydraulic system **must** be equipped with a tandem hydraulic pump; and
- iv The hydraulic system **must** be provided with two (2) control stations located at the rear left and right rear corners of the wrecker body.

(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 18,144 kg (40,000 lbs) when fully retracted;
- iii The hydraulic boom **must** have a structural rating of at least 4,536 kg (10,000 lbs) when fully extended;
- iv The hydraulic boom **must** be able to recover/lift a vehicle with a 13,608 kg (30,000 lbs) 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 at least 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 approximately 1,814 kg (4,000-lb) when fully extended;
- iii The system **must** have the lift system controls incorporated in the platform and remote control systems;
- iv The system **must** be provided with one (1) trailer hitch and one (1) pintle hook adaptor;
- v The system **must** be provided with one (1) set of "V" chains;

- vi The system **must** be provided with one (1) set of tie-down chains and binders for the front; and
- vii The system **must** be provided with one (1) set of tie-down chains with "J" hooks.

(h) **Front Hydraulic Winch**

- i The vehicle **must** be provided with a front mounted hydraulic winch;
- ii The hydraulic winch **must** have a rated first layer capacity of at least 9,072 kg (20,000 lbs);
- iii The hydraulic winch **must** include a wire rope of at least 45 m (150 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** operate using a wireless remote control unit;
- vi The hydraulic winch **must** include a snatch block able to withstand the double line pull capacity of the winch;
- vii The hydraulic winch **must** be equipped with cable tensioners and air operated clutch releases; and
- viii The hydraulic winch **must** be equipped with cable guide roller system assembly.

(i) **Hydraulic Winches**

- i The vehicle **must** be provided with two (2) hydraulic winches;
- ii The winches **must** be variable speed, with first layer pull of at least 11,340 kg (25,000 lbs).
- iii Each winch **must** have at least 16 mm x 60 meters (5/8 inch x 200 feet) cable;
- iv The winches **must** be equipped with cable tensioners and air operated clutch releases;
- v The winches **must** have winch circuits equipped with a wireless remote control unit;
- vi The remote control unit **must** operate the winches and the hydraulic under wheel lift; and
- vii The winches **must** have two(2) 7,257 kg (16,000 lbs) capacity snatch block.

(j) **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 5,443 kg (12,000 lbs) fully

- retracted, and a lifting capacity of at least 4,536 kg (10,000 lbs) fully extended;
- iii The extension, retraction and folding of the boom **must** be done hydraulically;
 - iv The hydraulic under wheel lift **must** have a towing capacity of at least 22,680 kg (50,000 lbs);
 - v 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;
 - vi The hydraulic under wheel lift **must** be outfitted with lift equipped with a remote control unit;
 - vii The remote control unit **must** operate the winches and the hydraulic under wheel lift; and
 - viii 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.

4. Integrated Logistic Items

4.1 Contractor Documentation and Integrated Logistic Items

4.1.1 Documents supplied to the Technical Authority

(a) Manuals for Approval

- i A set of manuals for the vehicle, in digital format, including the operator, parts and maintenance (shop repair) manuals **must** be supplied;
- ii The manuals for approval **must** be submitted 30 working days before the delivery of the vehicle;
- iii The set of manuals **must** include manuals for all the specified accessories and features for the vehicle. Accessory manuals may be included as supplements to the vehicle manuals;
- iv Digital copies **must** be functional without the requirement for a password or an auto-run installation procedure;
- v Manuals will not be returned; and
- vi Manual acceptance or comments will be supplied within 15 working days of receipt.

(b) Photographs and Line Drawings

- i Two (2) digital colour photographs, one left-front three-quarter view, and one right-rear three-quarter view of the vehicle **must** be supplied;
- 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** have an uncluttered background; and
- v Photographs **must** be in a JPEG (Joint Photographic Experts Group) format. Photographs **must** have a resolution of at least ten (10) Mega pixels; and
- vi The photographs **must** be supplied 15 working days before the delivery of the vehicle.

(c) Data Summary

- i A bilingual data summary **must** be supplied for the vehicle with data and a vehicle picture on the **Technical Authority** supplied form;
- ii The **Technical Authority** will supply a template of an approved data summary to the Contractor;
- iii The Contractor **must** supply the information requested for all accessories and features for the vehicle;

- iv The Contractor **must** submit a digital copy (MS Word) of the completed data summary to the **Technical Authority** for approval 15 working days before the delivery of the vehicle; and
- v Data summary acceptance or comments will be supplied within 15 working days of receipt.

(d) **Warranty Letter**

- i The Technical Authority will supply a 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 the original warranty letter in digital format, for each vehicle/equipment delivered, to the Technical Authority.

- (e) **Rust Protection Warranty** - A copy of the warranty from the rust protection provider **must** be supplied, in digital format, to the **Technical Authority**.

4.1.2 **Items Supplied with Each Vehicle/Equipment**

(a) **Operator's Manual**

- i An operator's manual for the safe vehicle operation including all supplied attachments **must** be supplied;
- ii The operator's manual **must** be supplied in a bilingual format or as 2 manuals (one English, and one French) in a single binder;
- iii In addition to the paper copy of the operator's manual, a digital copy on a CD or DVD **must** be supplied;
- iv The CD or DVD **must** be permanently and legibly labeled with the list of contents; and
- v The digital copy **must** not require a password or an Internet connection to be functional.

b) **Warranty Letter**

- i A paper copy of the completed bilingual warranty letter in the approved format with each vehicle shipped **must** be supplied;
- ii The **Technical Authority** will supply a template of an approved warranty letter to the Contractor;
- iii The Contractor **must** supply a complete description of the warranty in the warranty letter with the requested

warranty terms and any system or sub system warranty that exceeds the minimum requested in the contractual documents;

- iv The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada; and
- v Designated warranty providers **must** honour the warranty letter.
- (c) **Rust Protection Warranty** - A copy of the warranty from the rust protection provider **must** accompany each vehicle;
- (d) **Line Setting Ticket**
 - i The Contractor **must** provide a line setting ticket, or ***Equivalent***, describing the components supplied on the cab and chassis;
 - ii One copy of the line setting ticket **must** accompany each completed vehicle to the final delivery point; and
 - iii The Contractor **must** produce a supplement listing for all non-production line components and systems included.

4.1.3 **Maintenance and Parts Manuals - English**

- (a) The Contractor **must** supply the approved maintenance and parts manuals required for the vehicle/equipment, features and accessories;
- (b) The contractor **must** supply the manuals in paper or digital format; and
- (c) One copy of maintenance and parts manuals **must** be supplied for each destination.

4.2 **Training**

- (a) **Training - Familiarization - English**
 - i The Contractor **must** supply a familiarization course in English;
 - ii The course instructor **must** be a Training Provider with full knowledge of the vehicle;
 - 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 features and accessories provided and maintenance;
 - iv The instructor **must** supply responses to questions;
 - v The familiarization course **must** have a minimum duration of eight (8) hours of training;
 - vi The familiarization course **must** accommodate up to eight (8) personnel;

- vii The familiarization course **must** be supplied at the delivery destination;
- viii The date for the maintenance training course **must** be arranged with the **Technical Authority**;
- 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.

(b) **Training - Familiarization - French**

- i The Contractor **must** supply a familiarization course in French;
- ii The course instructor **must** be a Training Provider with full knowledge of the vehicle;
- 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 features and accessories provided and maintenance;
- iv The instructor **must** supply responses to questions;
- v The familiarization course **must** have a minimum duration of eight (8) hours of training;
- vi The familiarization course **must** accommodate up to eight (8) personnel;
- vii The familiarization course **must** be supplied at the delivery destination;
- viii The date for the maintenance training course **must** be arranged with the **Technical Authority**;
- 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.



Figure 1



Figure 2



CLASS 7 MID-RANGE DIESEL TRUCKS RECOVERY SYSTEMS

2017-11-15



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 _____



CLASS 7 MID-RANGE DIESEL TRUCKS RECOVERY SYSTEMS

Substitutes/Alternatives

Are any substitutes/alternatives offered as **equivalent**?

YES ☐ NO ☐

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

NOTE: Substantial Information

PURCHASE DESCRIPTION PARAGRAPHS

Chassis – Make _____ - Model _____ Year _____

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 for each configuration.

3.6 **Chassis** - Substantial Information

(a) Frame RBM on page ____ of document _____

3.6.1 **Suspension** - Substantial Information

(a) Front suspension – Make ____ - Model _____

Rear suspension – Make ____ - Model _____

3.7 **Engine** - Substantial Information

Make _____ - Model _____

(a) Details on page ____ of document _____

3.7.2 **Fuel Reservoir(s)**

(a) Fuel reservoir(s) - Substantial Information

Capacity on page ____ of document _____

3.8.1 **Automatic Transmission** - Substantial Information

Make _____ - Model _____

(b) Details on page ____ of document _____

3.8.2 **Axles** - Substantial Information

(a) Front axle – Make _____ - Model _____ Rating _____

Details on page ____ of document _____

(b) Rear axle – Type _____ - Make _____ - Model _____

Details on page ____ of document _____ Rating _____

3.11 **Wheels and Tires** - Substantial Information

Front tires – Make ____ - Model _____ Rating _____

Capacity on page ____ of document _____

Rear tires – Make ____ - Model _____ Rating _____

Capacity on page ____ of document _____



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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**

iii Make ____ - Model ____ - Capacity ____

3.21 **Accessories**

3.21.1 **Car Carrier** - **Substantial Information**

Car Carrier line drawing with dimensions on page ____ of document

(f) **Deck Hydraulic Winch** – **Substantial Information**

Make ____ - Model ____ - Rating ____

(g) **Front Hydraulic Winch** – **Substantial Information**

Make ____ - Model ____ - Capacity ____

(h) **Hydraulic Under Axle** – **Substantial Information**

Make ____ - Model ____ - Capacity

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

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

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

Make ____ - Model ____ - Capacity

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

Make ____ - Model ____ - Capacity

(h) **Front Hydraulic Winch** – **Substantial Information**

Make ____ - Model ____ - Capacity

(i) **Hydraulic Winches** – **Substantial Information**

Make ____ - Model ____ - Capacity ____

(j) **Hydraulic Under Axle/Wheel Lift** – **Substantial Information**

Make ____ - Model ____ - Capacity



CLASS 7 MID-RANGE DIESEL TRUCKS RECOVERY SYSTEMS

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.

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 – BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

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

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC) -Labour's website.

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 being subject to the *Employment Equity Act*.
- ☐ 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. 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)