



**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 0A1 / Noyau 0A1  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL**  
**DEMANDE DE PROPOSITION**

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

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

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

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

**Comments - Commentaires**

<b>Title - Sujet</b> SEMI-TRAILER	
<b>Solicitation No. - N° de l'invitation</b> W8476-144845/A	<b>Date</b> 2013-09-20
<b>Client Reference No. - N° de référence du client</b> W8476-144845	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HP-923-63540	
<b>File No. - N° de dossier</b> hp923.W8476-144845	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2013-10-30</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Martin, Erik	<b>Buyer Id - Id de l'acheteur</b> hp923
<b>Telephone No. - N° de téléphone</b> (819) 956-3842 ( )	<b>FAX No. - N° de FAX</b> (816) 956-2953
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Vehicles & Industrial Products Division  
11 Laurier St./11, rue Laurier  
7A2, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

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

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## **PART 1 - GENERAL INFORMATION**

### **1. Security Requirement**

There is no security requirement associated with this bid solicitation.

### **2. Requirement**

Canada is seeking proposals to procure:

2.1 Two (2) Semi-Trailers, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description - SEMI- TRAILERS.

2.2 Irrevocable options identified in Annex "A"- Pricing.

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

2.2.2 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.

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

### **3. 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.

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## PART 2 - BIDDER INSTRUCTIONS

### 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 (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) 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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.remove bold

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. 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.

### 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 with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

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#### **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.

#### **5. Environmental Considerations**

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired. Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement, for this solicitation:

- Offerors / suppliers are requested to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.
- Offerors / suppliers should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).
- Product components used in performing the services should be recyclable and/or reusable, whenever possible.

#### **6. 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.

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## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **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.

### **2. Section I: Technical Bid**

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

Bidders should complete and submit with their bid the following;

- Appendix "1" - Technical Information Questionnaire - SEMI- TRAILERS.

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## 2.1 Substitutes and Alternatives

Bidders may propose substitutes and alternatives where "**shall<sup>(E)</sup>**" 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.

2.1.1 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.

2.1.2 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.

### 3. Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

#### 3.1 Exchange Rate Fluctuation

- 3.1.1 Unless otherwise specified in the bid solicitation, bids must be in Canadian currency.
- 3.1.2 Bidders may request Canada to assume the risk for exchange rate fluctuation. This request must be specifically made at time of bidding.
- 3.1.3 The foreign currency component is defined as the element of the price that will be directly affected by exchange rate fluctuations. It could include the net price FOB foreign manufacturer's plant, costs associated with applicable duty, excise tax, Applicable Taxes, entry fees, transportation costs or delivery charges payable in a foreign currency, and any other charges associated with being the importer of record if they originated from and are required to be paid in a foreign currency.
- 3.1.4 The foreign value of the foreign currency component of the bid or negotiated price must be provided before contract award. Form PWGSC-TPSGC 9411, Claim for Exchange Rate Adjustments, may be used for this purpose. If milestone payments are proposed, it is recommended to indicate on the above form the foreign currency component associated with each milestone event.
- 3.1.5 All bids are evaluated in Canadian currency. Therefore, for evaluation purposes, the noon rate quoted by the Bank of Canada as being in effect on date of bid closing, or such other date as may be specified in the bid solicitation, will be applied as the initial conversion factor for the specified currency. (Column 3 of the above form will be completed by the Contracting Authority.)
- 3.1.6 Rates proposed by bidders will not be accepted for the purposes of this exchange rate adjustment provision.
- 3.1.7 If there are two (2) identical bids, and provided that the bid selected would still be considered the most advantageous to Canada, preference will be given to the Bidder who assumes all or part of the exchange rate adjustment risk over a bidder who does not assume any of this risk. Furthermore, preference will be given to the Bidder who assumes all of the exchange rate adjustment risk over a bidder who assumes only part of this risk.

3.1.8 Canada will pay the exchange rate adjustment amount in Canadian currency using the prevailing noon rate on the date of payment by Canada or, as applicable, in accordance with clause C3015C, C3020C, C3025C, or C3030C.

#### 4. Section III: Certifications

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

#### 5. Section IV Additional Information

Canada requests that bidders submit the following information:

##### 5.1 Delivery

###### 5.1.1 Firm Quantity

While delivery of the Semi-trailers is requested by January 15, 2014, the best delivery that can be offered is as follows:

**Item 001** – One (1) Semi-trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

**Item 002** – One (1) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items will be delivered within \_\_\_\_\_ calendar days from the effective date of the contract.

###### 5.1.2 Optional Quantity

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

**Item 003** – Up to two (2) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items will be delivered within \_\_\_\_\_ calendar days after an option is exercised.

##### 5.2 Manufacturer's Standard Warranty Period

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its component that exceeds the minimum warranty period of twelve (12) months.

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## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **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.

#### **1.1 Mandatory Technical Evaluation Criteria**

##### **1.1.1 Mandatory Proof of Compliance**

Bidders must submit, with their bid, all proof of compliance required in the Annex B - Purchase Description and the Appendix 1 - Technical Information Questionnaire.

##### **1.1.2 Substitutes and/or Alternatives**

Bidders proposing substitutes and/or alternatives must provide all the information as detailed in Part 3, Section 1, - Substitutes and Alternatives to be considered for evaluation.

#### **1.2 Mandatory Financial Evaluation Criteria**

**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.

**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 items 001 and 002 and FCA Free Carrier at Contractor's Canadian facility, Incoterms 2000 for optional quantities at item 003 Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

##### **1.2.3 Aggregate Evaluated Price**

Bids will be evaluated on an aggregate price basis for the firm quantity, optional quantity and familiarization instruction/training (option) as follows:

- a) the firm unit price for the firm quantity, the optional quantity and familiarization instruction/training (option) will be multiplied by their identified estimated quantities; and
- B) the sum of all results will determine the aggregate evaluated price.

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## **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.

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## PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

### 1. Mandatory Certifications Required Precedent to Contract Award

#### 1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003.. The related documentation therein required will assist Canada in confirming that the certifications are true.

#### 1.2 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](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equality/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

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.

### 2. 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 so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

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## 2.1 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.

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

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

\_\_\_\_\_  
Date

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## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement applicable to this contract.

### 2. Requirement

2.1 The Contractor must deliver two (2) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description - SEMI-TRAILER.

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

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

2.2.2 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.

2.2.3 The options may be exercised within Twelve (12) months after contract award.

2.3 Optional Extended Warranty Period

The Contractor grants to Canada the irrevocable option to extend the warranty period for an additional \_\_\_\_\_ (to be inserted by PWGSC at time of contract award) months, under the same terms and conditions and at the price stated in the Contract at Annex "A" - Pricing. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within ninety (90) calendar days after contract award and/or the exercising of an option by sending a written notice to the Contractor.

### 3. 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 (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada.

### 3.1 General Conditions

2010A (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

Section 09 entitled Warranty of general conditions 2010A is amended by deleting subsection 2 in its entirety and replacing it with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

If action to effect repairs under warranty cannot be initiated within **two (2)** working days and completed within a reasonable length of time or if the Contractor has no repair facilities in the immediate vicinity (**within 100 kilometres**) of the specified delivery destinations (consignees), the Department of National Defence reserves the right to make such repairs and be reimbursed by the Contractor at the rate of **\$103.91** per hour for labour and the cost for replaced parts."

All other provisions of the warranty section remain in effect.

## 4. Term of Contract

### 4.1 Delivery of Semi-Trailers

#### 4.1.1 Firm Quantity

Delivery date of the Semi-Trailers must be made as follows:

Items 001 - One (1) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items must be delivered on or before \_\_\_\_\_ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

Items 002 - One (1) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related items must be delivered on or before \_\_\_\_\_ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

**4.1.2 Option Quantity**

Item 003 - Up to two (2) Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail and related 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.)

**5. Authorities**

**5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Erik Martin  
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: 819 956-3842  
Facsimile: 819 953-2953  
E-mail: erik,martin@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.

**5.2 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.

### 5.3 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.

### 5.4 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: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
 Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
 E-mail: \_\_\_\_\_

**5.5 After Sales Service**

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

**Item 001**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Telephone Number: \_\_\_\_\_

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

**Item 002**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Telephone Number: \_\_\_\_\_

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

**6. Payment**

**6.1 Basis of Payment - Firm Unit Price(s)**

In consideration of the Contractor satisfactorily completing all of its

obligations under the Contract, the Contractor will be paid the firm unit price(s) specified in Annex "A" - Pricing, and as follows:

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.

Basis of Payment (BOP) Type 2: Firm unit prices in Canadian dollars, FCA Free Carrier, Incoterms 2000 at Contractor's Canadian facility or Contractor's Canadian distribution point, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

Basis of Payment (BOP) Type 3: Price to be negotiated 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 transportation cost and living expense will be "negotiated" when Canada intends to exercise an option and has identified the applicable quantities and destinations. When requested by Canada, as a basis for negotiation, the Contractor must provide the transportation price(s) and/or Travel and living expense and relevant information.

Basis of Payment (BOP) Type 4: If exercised, 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

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provisions of the directive referring to "travellers", rather than those referring to "employees".

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

## 6.2 SACC Manual Clauses

H1001C Multiple Payments 2008-05-12

## 6.3 Exchange Rate/Payment on Delivery

6.3.1 The price in Canadian currency includes the foreign currency component in respect of goods, services or both originating outside Canada, as detailed in form PWGSC-TPSGC 9411, Claim for Exchange Rate Adjustments.

6.3.2 The price must be adjusted to reflect the exchange rate in effect and applied by Canada Border Services Agency (CBSA) on the date of importation, but only in respect of the foreign currency component detailed in the above form.

6.3.3 No price adjustment directly resulting from the application of the provisions contained in this clause will be applied for increases or decreases in the exchange rate within a variation of: plus or minus 2 percent of the exchange rate(s) mentioned above; or plus or minus \$100 of the total cumulative amount claimed for exchange rate adjustment under the Contract.

6.3.4 On each invoice or claim for payment submitted under the Contract, the Contractor must indicate the exchange rate adjustment amount (either upward, downward or no change) as a separate item. In addition, the invoice must be accompanied by a copy of CBSA Form B3-3, Canada Customs Coding Form, for the imported goods, services or both.

6.3.5 Canada will have the right to audit any revision to costs and prices under this clause.

## 7. Invoicing Instructions

7.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors / suppliers are requested to provide

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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;

#### 7.2 Invoices must be distributed as follows:

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

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

Attention: DLP 5-5-1-1

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

#### 7.3 Holdback

A ten percent (10%) holdback will apply on the total price of each Semi-trailer (Items 001, 002 and 003) on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by inspection authority of the said vehicle and all related 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.

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 9. Applicable Laws

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

## 10. 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 (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - SEMI-TRAILER
- (e) Appendix 1- Technical Information Questionnaire - SEMI-TRAILER
- (f) the Contractor's bid dated \_\_\_\_\_

## 11. SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16
D5510C	Quality Assurance Authority (DND) - Canadian-based Contractor	2012-07-16
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)	2010-08-16

D5604C	Release Documents - Foreign based Contractor	2008-12-12
D5605C	Release Documents - US based Contractors	2010-01-11
D5606C	Release Documents - Canadian-based Contractors	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2008-05-12

## 12. Inspection and Acceptance

The Technical Authority or his representative 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 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.

## 13. 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.

All vehicles delivered to the consignee are to be delivered between the hours of 8:00 am and 4:00 pm Monday through Friday, except Federal holidays. Any attempt by the carrier to deliver vehicles before or after these hours may be refused unless arrangements have been made for authorized, qualified personnel to be available to perform inspections and to accept the delivery. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for additional costs.

## 14. Shipping Instructions - Delivery at Destination (For Firm quantities)

14.1 The Contractor must ship the goods prepaid DDP - Delivered Duty Paid as detailed at Annex "A"- Pricing (Items 001 and 002). 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.

14.2 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.

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## 15. Release Documents - Distribution

The Contractor must prepare the release documents and distribute them as follows:

- (a) Copy 1: mail to consignee marked: "Attention: Receipts Officer";
- (b) Copies 2 and 3: with shipment (in a waterproof envelope) to the consignee;
- (c) Copy 4: to the Contracting Authority;
- (d) Copy 5: to:  
National Defence Headquarters  
Mgen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A OK2  
  
Attention: DLP 5-5-1-1
- (e) Copy 6: to the Quality Assurance Representative;
- (f) Copy 7: to the Contractor;
- (g) Copy 8: all non-Canadian Contractors 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.

## 16. Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) working days of the receipt of the Contract, the Contractor must contact the Technical Authority to determine the details of a pre-production meeting. The meeting will be held at the Contractor's plant \_\_\_\_\_ (To be completed by the bidder.) Cost of holding such pre-production meeting must be included in the price of the bid. Please note that the travel and living expenses for Government Personnel will be arranged and paid for by the Canada. The crown reserves the right to carry out the Post-Contract Award Meeting/Pre-Production Meeting via teleconference.

## **17. Progress Reports**

The contractor must prepare and submit monthly progress reports in two (2) copies, one to the Procurement Authority and one copy of the report must also be forwarded to 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.

## **18. 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.

## **19. Spare Parts Availability**

The contractor must ensure that spare parts required to properly maintain and repair the complete vehicle covered by this specification will be available for purchase by the Department of National Defence, or its authorized agents, for a period of 10 years.

## **20. Material**

Material supplied must be new unused and of current production by manufacturer. (2013 model-year or newer).

## **21. Design Changes**

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

## **22. Interchangeability**

Unless changes during the production run are authorized by Procurement 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.

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### **23. 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.

### **24. 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.

**ANNEX "A" - PRICING**

**Item 001** Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail (**Firm Quantity**)

The Contractor must deliver the semi-trailer including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s) and familiarization training in accordance with the attached Annex "B" - Purchase Description - SEMI-TRAILER.

The Semi-Trailer and related items must be delivered to:

CFB/ASU WAINWRIGHT Base Supply  
Major Equipment Section  
Bldg. 593  
CFB/ASU WAINWRIGHT  
DENWOOD, AB, T0B 1B0  
Canada

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

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

Firm unit price of \$ \_\_\_\_\_ per Semi-Trailer, including all equipment and related items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.1 Basis of Payment).

Quantity: 1

**Item 002** Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail (**Firm Quantity**)

The Contractor must deliver the semi-trailer including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s) and familiarization training in accordance with the attached Annex "B" - Purchase Description - SEMI-TRAILER.

The Semi-Trailer and related items must be delivered to:

CFB ASU SHILO  
Major Equipment Section  
Base Supply C-101

CFB Shilo  
SHILO, MB, R0K 2A0  
Canada

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

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

Firm unit price of \$ \_\_\_\_\_ per Semi-Trailer, including all equipment and related items, in accordance with Basis of Payment Type 1 (as detailed at Clause 6.1 Basis of Payment).

Quantity: 1

**Item 003** Semi-Trailer, 53-ft, single drop, 50-ton (100,000-lb), dual wheel, tridem axle, beavertail (**Optional Quantity**)

If this option is exercised, the Contractor must deliver the semi-trailer(s) including the sample manuals, warranty letter(s) in accordance with the attached Annex "B" - Purchase Description - SEMI-TRAILERS.

Firm unit price of \$ \_\_\_\_\_ per vehicle/equipement in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

Quantity: Up to 2

**Item 004** **Transportation Cost (optional Quantities)**  
*(This item will not be included in the financial evaluation)*

If optional vehicles are exercised, the contractor must deliver the semi-trailer(s) to final destination detailed below.

The semi-trailer and ancillary items must be delivered to:  
\_\_\_\_\_ (to be provided by PWGSC if an option is exercised)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Delivery contact: \_\_\_\_\_ (Name to be inserted by PWGSC if an option is exercised.)

Date of delivery: \_\_\_\_\_ (Date to be inserted by PWGSC if an option is exercised.)

Quantity: Up to 2

Negotiated price: \$(to be negotiated if an option is exercised) per semi-trailer(s), for transportation cost, Delivered Duty Paid at destination, in accordance with Part 6, Basis of Payment Type 3.

**Item 005 Familiarization instructions/training (Option)**

If this option is exercised, the Contractor must provide familiarization instruction/training, in accordance with the attached Annex "B" - Purchase Description - SEMI-TRAILERS

Firm unit price of \$\_\_\_\_\_ in accordance with Basis of Payment Type 2 (as detailed at Clause 6.1 Basis of Payment).

Quantity: up to 2

**Item 006 Travel and Living for Familiarization Instruction/Training (Option)**  
*(This item 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.

All travel and living expenses incurred in the performance of the work outside Canada will be the Contractor's responsibility.

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

Estimated cost: \_\_\_\_\_ Familiarization Instruction/Training, for Travel and Living expenses, Delivered Duty Paid at destination, in accordance with Part 6, Basis of Payment Type 4.

Quantity: up to 2

**Item 007 Optional Extended Warranty Period**  
*(This item will not be included in the financial evaluation)*

**Optional warranty coverage available:**      YES \_\_\_\_\_      NO \_\_\_\_\_

If yes, Canada requests that the Bidder provide details and pricing information of any optional extended warranty period available for the semi-trailers and any related items.

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If exercised, the warranty period will be extended for an additional period of \_\_\_\_\_ months/calendar days.

Firm unit price of \$\_\_\_\_\_ Basis of Payment Type 2 (as detailed in Part 6)



## 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.

12 September 2013

## ANNEX "B"

### PURCHASE DESCRIPTION

#### FOR

#### SEMI-TRAILER, 53-FT, SINGLE DROP, 50-TON (100,000-LB), DUAL WHEEL, TRIDEM AXLE, BEAVERTAIL

### 1. Scope

**1.1 Scope** This document covers a semi-trailer, 50-ton (100,000-lb) payload. This trailer will be used to transport vehicles and general cargo on gravel and paved roads.

**1.2 Instructions** - The following instructions shall be applied to this Purchase Description:

- (a) Requirements, which are identified by the word "shall", are mandatory. Deviations will not be permitted.
- (b) Requirements identified by "shall<sup>(E)</sup>", are mandatory. However, the Technical Authority will consider alternatives for acceptance as a Technical Authority Approved Equivalent. "Technical Authority Approved Equivalent" is defined as an alternative standard, design, feature, or component that is evaluated by the Technical Authority and determined to meet the specified requirements for equivalent standard, form, fit, function and performance as applicable.
- (c) Requirements identified with a "will" define actions to be performed by the Crown and require no action/obligation on the Contractor's part.
- (d) Where "shall", "shall<sup>(E)</sup>", or "will" are not used, the information provided is for guidance only.
- (e) In this document "provided" shall mean, "provided and installed".

- (f) Where a standard is specified and the Contractor has offered an equivalent, that equivalent standard ***shall*** be provided, upon request;
- (g) Where certification is required, the Contractor ***shall*** provide the certification or acceptable proof of compliance, upon request.
- (h) Metric measurements ***shall*** be used as defining the requirement. Other measurements are reference only and may not be exact conversions.
- (i) Dimensions stated as nominal ***shall*** be 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** - The following definitions ***shall*** be applied to the interpretation of this Purchase Description:

- (a) “Technical Authority” (TA) is the government official responsible for technical management of this requirement. The Technical Authority is the Director Support Vehicles Program Management.
- (b) “Guidance” is defined as a requirement that may be followed. The guidance is provided to indicate a preferred component Make and Model or dimension that would be best for the application. However, deviating from a guidance doesn’t consider the bid non-compliant.

## **2. APPLICABLE DOCUMENTS**

### **2.1 NOT ALLOCATED** (Government Furnished Documents)

**2.2 Other Publications** The following documents form part of this specification. Effective documents are those in effect on date of manufacture. Sources are as shown:

Canadian Motor Vehicle Safety Standards (CMVSS)

Transport Canada,  
Road Vehicle and Motor Vehicle Regulation,  
330 Sparks Street,  
Ottawa, Ontario K1A 0N5  
<http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>

Society of Automotive Engineers (SAE) Handbook

400 Commonwealth Dr.,  
Warrendale, PA, 15096  
<http://www.sae.org>

### 3. REQUIREMENTS

#### 3.1 **Standard Design** The complete system design ***shall***:

- (a) Be the manufacturer's latest model having demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 years, or, ***shall*** be manufactured by a company that has at least 5 years experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.
- (b) Have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies.
- (c) Conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture.
- (d) Have system and component capacities not greater than their published ratings (i.e. product or component brochures).

#### 3.2 **Vehicle Safety Regulations** The complete system ***shall*** meet the provisions of the Canada Motor Vehicle Safety Act and the Regulations made thereunder, in effect on the date of manufacture of the vehicle.

#### 3.3 **Maintainability** All maintenance and repair tasks, especially routine operator maintenance, ***shall*** be easy to perform with a minimum of special tools and skills.

#### 3.4 **Operating Conditions** The complete system, under all load conditions, ***shall*** operate safely and efficiently as follows without degradation in performance, reliability and maintainability:

- (a) On paved roads, gravel roads and dirt roads with severe washboard and pot holes.
- (b) In the temperature range of -37°C to 37°C (-34°F to 98°F).
- (c) With the stated payload under all operating conditions.

#### 3.5 A tridem, dual wheel, axle semi-trailer ***shall*** be provided.

#### 3.6 **Payload and Weight Rating**

##### 3.6.1 **Payload** The trailer ***shall*** be capable of carrying a uniformly distributed load of 50-tons (100,000-lbs).

#### 3.7 **Dimensions** The following applies:

- (a) The trailer ***shall*** have a nominal Overall Width of 2,615-mm (102-inches), extendable to 3,098-mm (122-inches) through the use deck extensions.
- (b) The trailer ***shall*** have a nominal Overall Length (OAL) of 16-metres (53-feet) including stowed beavertail length.

- (c) The trailer ***shall*** have a nominal length of Main Deck of 13-metres (42.5-feet).
- (d) The trailer ***shall*** have a nominal length of Deck on Gooseneck of 2,667-mm (105-inches)
- (e) The trailer ***shall*** have a nominal height of Main Deck Unladen of 952-mm (38-inches).
- (f) The front of trailer to Kingpin ***shall*** have a nominal dimension of 828-mm (21 inches).
- (g) The trailer ***shall*** have a nominal kingpin height of 1,220-mm (48-inches), measured from ground to kingpin upper plate.
- (h) The Landing Wheel Clearance from Kingpin (LWC) ***shall*** have a nominal dimension of 2,054-mm (81-inches).

### **3.8 Capabilities**

**3.8.1 Speed** The trailer ***shall***<sup>(E)</sup> be capable of being towed at a nominal speed of 110-km/h (68-mph).

### **3.9 Chassis and Auxiliary Systems**

**3.9.1 Air Brakes** The trailer ***shall*** be equipped with an air brake system. The following applies:

- (a) The brakes ***shall*** be an anti-lock braking system (ABS) equipped with Four Sensors and Two Modules – 4S/2M, and the centre axle slaved to the forward axle.
- (b) The brakes ***shall*** be S-Cam type air brakes.
- (c) All trailer axles ***shall*** be equipped with long stroke, spring actuated brake chambers.
- (d) The brakes ***shall*** have automatic slack adjusters.
- (e) The brake housings ***shall*** have dust shields.
- (f) The air tanks ***shall*** be equipped with remote cable operated drain valves with heated moisture expelling valve(s)
- (g) The brakes ***shall*** have colour coded glad hand couplers with dummy glad hand couplers equipped with a safety chain provided for each glad hand.

**3.9.2 Axles** Tridem, dual wheel, axles ***shall*** be provided. The axle capacity ***shall*** be at least 11,340kg, (25,000lbs) each.

**3.9.3 Suspension** The suspension capacity ***shall*** be at least 11,340kg, (25,000lbs) each. The following applies:

- (a) The trailer ***shall*** have an automatic height control valve.
- (b) The trailer ***shall*** have a manual suspension air dump valve.

- (c) The trailer ***shall*** have shock absorbers on all axles.
- (d) The trailer ***shall*** have an air gauge to assist the operator in evenly distributing the load.
- (e) The trailer ***shall*** have suspension travel limiters. These are devices that prevent suspension over-travel while slinging or lifting the trailer for decking or sea transport. The devices ***shall*<sup>(E)</sup>** be cables or chains fastened to the suspension beam or axle and the under frame at a length approximately equal to or less than the shock absorber extended stroke. The use of shock absorbers as travel limiters is not acceptable.

**3.9.4 Tires and Wheels** The following applies:

- (a) The trailer wheels ***shall*** have size and ply ratings which comply with the Tire and Rim Association Standards.
- (b) The trailer wheels ***shall*** have sufficient tire load capacity so the trailer loaded to rated capacity and equipped with all options does not exceed the full speed capacity of the tires. Tire pressures ***shall*** be marked near the tire location.
- (c) The trailer ***shall*** have a hubodometer reading in kilometres.
- (d) The trailer rims ***shall*** be non-polished aluminum wheels.
- (e) The trailer ***shall*** be equipped with wheel nut torque indicators.
- (f) **Spare Tires** Two spare tire/wheel assemblies ***shall*** be provided. The spare tire/wheel assemblies ***shall*<sup>(E)</sup>** be mounted on the trailer gooseneck. The Technical Authority ***shall*** approve the spare tire mounting location.

**3.10 Electrical System** The following applies:

- (a) The trailer ***shall*** be equipped with a multi voltage system: a 12 volt negative ground electrical system in accordance with CMVSS and a 24 volt SMP (Standard Military Pattern) compliant system.
- (b) The trailer ***shall*** have two connectors located in accordance with SAE Recommended Practice J702. One connector ***shall*** be a seven-pin 12-volt trailer receptacle for commercial use. The second connector ***shall*** be compatible with a SMP system.
- (c) All electrical components ***shall*<sup>(E)</sup>** be easily accessible for servicing.
- (f) **Protected Wiring** - The wiring ***shall*** be protected by design and positioning to prevent damage and contact with spilled hydrocarbon fuels. This ***shall*** meet the minimum requirements of NFPA 407 (paragraph referring to **Vehicle Lighting and Electrical Equipment**). This ***shall*** include as a minimum electrical wiring used for the connection to the tractor vehicle designed for heavy-duty use, with positive engaging connectors, which are mounted securely to the trailer.

- (g) A coloured wiring schematics for the trailer ***shall*** be provided. The wiring schematics ***shall*** include details of the multi voltage LED lighting system and all other trailer electrical components.

**3.10.1 Lighting** The following applies:

- (a) All trailer lighting ***shall*** be multi voltage LED lights.
- (b) SMP blackout lighting is not required.
- (c) The trailer lights and reflectors ***shall*<sup>(E)</sup>** be recessed or otherwise protected from damage.
- (d) The trailer clearance lights and reflectors ***shall*** be installed in accordance with CMVSS standards for commercial operations. This ***shall*** include:
- i Three red identification lights in a cluster, at the centre of the rear of the trailer.
  - ii At least one license plate light.
  - iii Four red clearance lights.
  - iv Two amber clearance lights one each side at the front.
  - v Four red reflectors positioned at each rear corner.
  - vi Trailer mid-section clearance and signal lights.
- (e) The trailer ***shall*** be provided with two detachable amber strobe lights, one at each rear corner of the trailer. The amber strobe lights ***shall*** be activated when the trailer running lights are activated.
- (f) The trailer ***shall*** be provided with four adjustable working lights. Two ***shall*<sup>(E)</sup>** be facing forward and two facing rearward. The light switch ***shall*<sup>(E)</sup>** be mounted at the front left of the trailer and ***shall*<sup>(E)</sup>** be weather resistant.
- (g) A LED strobe light bar for the wide load sign ***shall*** be provided. The strobe light bar ***shall*** be activated when the trailer running lights are activated.
- (h) Wide load pullout lights at the front and rear corners ***shall*** be provided.

**3.11 Trailer Construction**

**3.11.1 Trailer Frame** The following applies:

- (a) The trailer frame ***shall*** be reinforced for towing points;
- (b) The main frame beams ***shall*<sup>(E)</sup>** be constructed of high strength steel with yield strength of at least 689-MPa (100,000-psi) and load bearing cross members constructed of high strength steel with yield strength of at least 552-MPa (80,000-psi);

- (c) A full-length tie down rail 76-mm by 9.5 mm (3 inches by 3/8 inch) located on each side and welded to pipe spools shall<sup>(E)</sup> be provided. The pipe spools shall<sup>(E)</sup> be approximately 1 3/4 inches long, have an outside diameter (OD) of approximately 2 1/4 inches and be evenly spaced on 16 inch centres.
- (d) The trailer shall incorporate rear supports to prevent the trailer front from lifting during loading.

**3.11.2 Deck Floor** The following applies:

- (a) The floor including the deck area above the rear wheels shall<sup>(E)</sup> be 64-mm (2.5-inches) nominal, rough, fir planks.
- (b) Floor deck shall<sup>(E)</sup> be treated with Linseed oil.
- (c) All trailer wheel opening shall be covered. This area will be used to transport vehicles or cargo.

**3.11.3 Gooseneck** The floor on top of the goose neck shall<sup>(E)</sup> be 38-mm (1.5-inch), rough, fir planks and shall<sup>(E)</sup> be treated with Linseed oil.

**3.11.4 Kingpin** A 51-mm (2-inch) kingpin shall be provided. If removable kingpin(s) are provided they shall<sup>(E)</sup> be equipped with a lifting handle to facilitate handling.

**3.11.5 Landing Gear** The landing gear:

- (a) Shall<sup>(E)</sup> be an inter connected two legged, two speed, landing gear with self-levelling landing pads.
- (b) Shall<sup>(E)</sup> have the crank handle located on the left-hand side of the trailer.
- (c) Shall<sup>(E)</sup> have a minimum lifting capacity of 22,675-kg (50,000-lbs).

**3.11.6 Beavertails** The following applies:

- (a) The trailer shall be equipped with assisted flip over beavertail ramps;
- (b) The beavertails shall<sup>(E)</sup> be self- cleaning;
- (c) The beavertails shall<sup>(E)</sup> have a nominal length of 1,500mm (5');
- (d) The beavertails shall<sup>(E)</sup> have a nominal width of 600mm (24") each; and
- (e) The beavertails shall<sup>(E)</sup> have a traction device incorporated to aid loading tracked vehicles.

**3.11.7 Features** The following shall<sup>(E)</sup> be provided:

- (a) Heavy-duty, rubber, dock bumpers 102 mm (4 inches) deep at the rear corners.

- (b) A regulation size under ride (ICC) bumper.
- (c) Tie-Down Straps and Winches Eighteen (18) 9,144 mm (30 foot) long by 76 mm (3 inch) wide cargo strap assemblies *shall*<sup>(E)</sup> be provided, and *shall*<sup>(E)</sup> be complete with winches, chain and slip hook. Fourteen assemblies *shall*<sup>(E)</sup> be mounted on winch slide rails on the left underside of the floor, and the four (4) assemblies on the gooseneck *shall*<sup>(E)</sup> have the winches permanently mounted so as not to interfere with the tires or the operation of the trailer.
- (d) Exterior Side Tie-down Points The trailer *shall*<sup>(E)</sup> be equipped with eight tie-down points on each exterior side beam and an additional four tie-down points on each side of the decking above the tridem axles.
- (e) Deck/Gooseneck Mounted Tie-down Points Two rows, evenly spaced, 9,072-kg (20,000-lbs) recessed flush mounted tie-down rings with drain holes, bolted to the floor and not more than 203mm (8 inches) from the sides *shall*<sup>(E)</sup> be provided. The tie down rings *shall*<sup>(E)</sup> be located as follows:
  - a. Two rows of fourteen tie-downs on the main deck,
  - b. Two rows of four tie-downs on the gooseneck.
- (f) Bulkhead A metal, bolt on, removable, bulkhead *shall* be provided. The bulkhead *shall*<sup>(E)</sup> be 1,219-mm (48-inches) high with a 558-mm (22-inch) wraparound. Two evenly spaced 9,072-kg (20,000-lbs) recessed tie-down rings, *shall*<sup>(E)</sup> be bolted to the bulkhead about 610-mm (24-inches) above the floor approximately 203-mm (8-inches) from the outside edges.
- (g) Storage Compartments Two, lockable, upper deck, storage compartments *shall* be provided. The compartments *shall*<sup>(E)</sup> be sprayed with X-Box liner and the floor covered with DRI decking or Technical Authority Approved Equivalent. The floor of the compartment(s) *shall*<sup>(E)</sup> be equipped with drain holes with evacuation valves. The compartments *shall*<sup>(E)</sup> have nominal dimensions of 152-mm (6-inches) high by 279-mm (11-inches) wide by 737-mm (29-inches) deep.
- (h) Container Locks – Retractable ISO container locks positioned to accept a loaded 20 foot ISO container or a quantity of two 10 ft containers. ISO container locks *shall* be mounted flush with the trailer deck. The preferred ISO container locks are Jost Model VA16SNK. Hardened steel wear strips with a minimum width of 75mm for sliding the container into position *shall*<sup>(E)</sup> be provided. Positioning guides for locating containers *shall*<sup>(E)</sup> be provided, allowing containers to be slid onto the trailer from the rear. Positioning guides *shall*<sup>(E)</sup> not interfere with the use of a fork type container handler to load a container. Positioning guides *shall*<sup>(E)</sup> not interfere with other loading operations when not in use.

### **3.12 Miscellaneous Equipment**

**3.12.1 Equipment Location** All systems and components *shall* be properly located and/or protected from road hazards such as water, mud and gravel.

**3.12.2 Towing/Tie-down Points** The following *shall*<sup>(E)</sup> be provided:

- (a) Two rear towing points positioned and of sufficient strength to permit the loaded trailer being recovered.
- (b) Railway tie-down points positioned and of sufficient strength to permit the securing and transportation of the loaded trailer on a railroad car.

**3.12.3 Mud Flaps** Rubber mud flaps rear of the rear axle ***shall*** be provided.

**3.12.4 Conspicuity Tape** Strips of reflective tape ***shall*** be applied in accordance with CMVSS and Transport Canada regulations.

**3.12.5 Licence Plate Holder** A rear holder ***shall*** be provided.

**3.12.6 Document Holder** A holder ***shall*** be provided. The holder ***shall*<sup>(E)</sup>** be installed on the left front of the semi-trailer deck.

**3.12.7 Spare Tire/Wheel Assembly and Tools** The following ***shall*** be provided:

- (a) Two spare tire/wheel assemblies mounted on the trailer gooseneck.

**3.13 Paint and Corrosion Protection** The trailer ***shall*** be painted in accordance with the manufacturer's best production procedures using standard commercial practices and materials, rendering a durable finish of the required film thickness and a smooth appearance free from runs, sag and orange peel. The finish ***shall*** be olive drab 34094 in accordance with FED STD 595. All additional lettering and symbols on the outside of the trailer ***shall*** be flat black using paint compatible with the topcoat selected. The colour ***shall*<sup>(E)</sup>** be flat black 37030 in accordance with FED STD 595.

**3.13.1 Corrosion Protection System** The following applies:

- (a) Dissimilar metals ***shall*** be protected against galvanic corrosion.
- (b) In addition to standard factory rustproofing, a rust prevention coating ***shall*** be applied to the trailer underbody. The product applied ***shall*<sup>(E)</sup>** be a commercial product such as Krown, or Rust Check. A decal and warranty papers ***shall*<sup>(E)</sup>** accompany the trailer.

**3.14 Miscellaneous**

**3.14.1 Identification Plate** The following information ***shall*** be provided as a minimum, permanently marked and in a conspicuous and protected location:

- (a) Manufacturer, model, model year and serial number.
- (b) GAWR and GVWR ratings.

**3.14.2 Warning and Instruction Plates** The following ***shall*** be provided:

- (a) The warning and instruction plates ***shall*** be within easy view of the user and in accordance with standard commercial practice.

- (b) The warning and instruction plates ***shall*** be international symbols and/or bilingual markings.
- (c) The warning and instruction plates ***shall*** have instructions for engine starting and any other special procedures to be followed.
- (d) All tie-down locations as described in section 3.11.7 ***shall*** have the maximum load rating permanently marked at each location.

**3.14.3 Lubricants and Fluids** The following applies:

- (a) The trailer ***shall***<sup>(E)</sup> be serviced with standard lubricants and fluids compatible with the delivery location and season.

**3.15 Deliverable Information** The following is applicable to the complete system. The following items ***shall*** be provided:

- (a) **Equipment Manuals** – The following manuals ***shall*** be provided:
  - i. **Operator’s/Owner’s Manuals** – Operator’s manuals ***shall*** be furnished in a bilingual format or as 2 manuals in a single binder (one English, one French). **A hard copy of the Operator’s manual shall be delivered with each trailer.**
  - ii. **Parts Manuals** – The Parts Manuals ***shall*** be in English (French translation is desirable).
  - iii. **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual ***shall*** be in English (French translation is desirable).
  - iv. A copy of the manuals on CD/DVD-ROM will be acceptable. This ***shall*** include all the manuals provided in clauses 3.15 (a) i, ii and iii. For usability, CD/DVD-ROM ***shall not*** require password to be accessed. The mandatory requirement as detailed in paragraph 3.15(a) i ***shall*** be met.
  - v. **Sample Manuals** – A set of Sample Manuals, including all of the above manuals. The sample manuals ***shall*** be delivered to the Technical Authority 15 working days before delivery of trailers. Sample manuals will not be returned. The Technical Authority will provide manual approval or comments within 30 days.
- (b) **Data Summary** – The Contractor ***shall*** provide a Data Summary to the Technical Authority for each complete trailer make/model furnished. The Contractor ***shall*** complete Data Summary by filling in the required data and an electronic picture into a Data Summary template provided by the Technical Authority.
- (c) **Photographs** – The contractor ***shall*** provide the Technical Authority with two (2) digital pictures, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures ***shall***<sup>(E)</sup> be taken with a clear uncluttered background.

- (d) **Warranty Letter** – The contractor *shall* provide a copy of the completed Warranty Letter with each trailer shipped in the format approved by the Technical Authority. The Contractor *shall* send a copy of the completed Warranty Notification Letter to the Technical Authority for each trailer shipped, at shipment. A copy of the Warranty Letter *shall* be forwarded to the Technical Authority in electronic format.
- (e) **Line Setting Ticket** – The Contractor *shall* provide a Line Setting Ticket, or equivalent, describing the components provided on the system. One copy of the Line Setting Ticket *shall* accompany each completed trailer to the final delivery point. One copy of the Line Setting Ticket *shall* be forwarded to the Technical Authority as soon as they are available.
- (f) **Familiarization** - The Contractor *shall* provide a minimum of three hours of Operator familiarization training to a maximum of eight persons and a minimum of three hours of Maintainer familiarization training to a maximum of eight persons. A proof of familiarization instruction completion *shall* be provided through a Familiarization Instruction Completion Form. The Form *shall* be completed and signed by an authorized representative. The form *shall* accompany the payment invoice. Familiarization *shall* be available in both French and English. The Technical Authority will provide Familiarization Instruction Completion Form template.

#### 4 QUALITY ASSURANCE PROVISIONS

**4.1 Quality System Requirements-** The Contractor's Quality System *shall* be in compliance with Quality Assurance Clause found in the Contract. The contractor *shall* be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

**4.2 Performance and Verification Testing-** The first system *shall* be examined and performance tested by the contractor, to ensure item by item conformance to specified requirements. The QAR and/or the Technical Authority may witness this testing and operate the system sufficiently to assess the handling characteristics.

12 September 2013

APPENDIX 1

**SEMI-TRAILER, SINGLE DROP, 50-TON, (100,000-LBS),  
53-FEET LONG, TRIDEM AXLE, BEAVERTAIL**

**TECHNICAL INFORMATION QUESTIONNAIRE**

This questionnaire covers technical information, which *shall* be provided for evaluation of the configuration(s) of the vehicle(s) offered.

Where the specification paragraphs below indicate “Proof of Compliance”, the “Proof of Compliance” *shall* be provided for each performance requirement/specification.

Bidders should indicate the requested information and indicate the document name/title and page number where the Proof of Compliance can be found.

Definitions for *Equivalent* and *Proof of Compliance* are found in the DEFINITIONS section at the end of this document.

**CONTRACTOR INFORMATION**

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

Contractor Address \_\_\_\_\_

Proposal Date \_\_\_\_\_

**Substitutes/Alternatives**

Are any equipment substitutes/alternatives offered as *Equivalent*? YES  NO

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

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**SPECIFICATION PARAGRAPHS**

**Make:** \_\_\_\_\_, **Model:** \_\_\_\_\_

**3.6.1 Payload – Proof of Compliance**

The payload of the trailer is: \_\_\_\_\_ kg.

The empty weight of the trailer is: \_\_\_\_\_ kg.

Payload information can be found in document(s): \_\_\_\_\_, page: \_\_\_\_\_.

**3.7 Dimensions – Proof of Compliance**

<b>Clause</b>	<b>Description</b>	<b>Value</b>	<b>Document Name/Title</b>	<b>Page</b>
3.7 (a)	Trailer width			
3.7 (a)	Trailer width – Extensions			
3.7 (b)	Deck Length			
3.7 (c)	Main Deck Length			
3.7 (d)	Gooseneck Deck Length			
3.7 (e)	Main Unladen Height			
3.7 (f)	Kingpin location			
3.7 (g)	Kingpin height			
3.7 (h)	LWC from Kingpin			

**3.9.1 Brakes – Proof of Compliance**

(a) Anti-lock air brake system configuration can be found in document(s): \_\_\_\_\_ page: \_\_\_\_\_.

**3.9.2 Axles – Proof of Compliance**

Axel configuration can be found in document(s): \_\_\_\_\_ page: \_\_\_\_\_.

Axel capacity is: \_\_\_\_\_, And can be found in document(s): \_\_\_\_\_ page: \_\_\_\_\_.

**3.11.1 Trailer Frame – Proof of Compliance**

(b) Main frame material and construction can be found in document(s): \_\_\_\_\_ page: \_\_\_\_\_.

**3.11.6 Beavertails – Proof of Compliance**

Beavertail information can be found in document(s): \_\_\_\_\_ page: \_\_\_\_\_.

## **DEFINITIONS**

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

- a) “Equivalent” - A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, fit, function and performance.
- b) “Proof of Compliance” is defined as an unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document **shall** provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior engineer representing the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications **shall** be provided. The certificate **shall** detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.