

**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

Title - Sujet Semi-Trailer, Lowbed	
Solicitation No. - N° de l'invitation W8476-155171/A	Date 2014-10-27
Client Reference No. - N° de référence du client W8476-155171	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-539-66000	
File No. - N° de dossier hp539.W8476-155171	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-12-09	
Time Zone Fuseau horaire Eastern Standard Time EST	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Cafferty, Kathy	Buyer Id - Id de l'acheteur hp539
Telephone No. - N° de téléphone (819) 956-5917 ()	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

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

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

Solicitation No. - N° de l'invitation

W8476-155171/A

Amd. No. - N° de la modif.

File No. - N° du dossier

hp539W8476-155171

Buyer ID - Id de l'acheteur

hp539

CCC No./N° CCC - FMS No/ N° VME

W8476-155171

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PART 1 - GENERAL INFORMATION

1. Requirement

Canada is seeking proposals to procure:

- 1.1 Qty 4, **Semi-Trailer, Lowbed** and related items as described in Annex “A” - Pricing and in accordance with Annex “B”- Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.
- 1.2 Irrevocable options identified in Annex “A”- Pricing.
 - 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.
 - 1.2.2 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.
 - 1.2.3 The options may be exercised within **twelve (12)** months after contract award.

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.

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), and the Agreement on Internal Trade (AIT).

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 (2014-09-25)** 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. 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 to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

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.

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" to Annex "B" – Technical Information Questionnaire - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014

2.1 Substitutes and Alternatives

Bidders may propose substitutes and alternatives where "**shall^(E)**" 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 Risk Mitigation

- 3.1.1 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.
- 3.1.2 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.
- 3.1.3 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).
- 3.1.4 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.
- 3.1.5 Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

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 trailers is requested by 31 March 2015, the best delivery that can be offered is as follows:

Item 001 – **Qty 2, Semi-Trailer, Lowbed** and related items will be delivered within _____ calendar days from the effective date of the contract.

Item 002 – **Qty 2, Semi-Trailer, Lowbed** 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 – **Qty 2, Semi-Trailer, Lowbed** 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 trailer/equipment and its component that exceeds the minimum warranty period of **twelve (12)** months.

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 2 - 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, 004.

1.2.2 The prices of the bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001 and 002 and FCA Free Carrier at Contractor's Canadian facility, Incoterms 2000 for optional quantities items 003 and 004. 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.

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

Bidders must provide the required certifications and associated information 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 in carrying out any of its obligations under the Contract, 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 cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions – Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions 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) available from [Employment and Social Development \(ESDC\) - 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.

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 (C) [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.

2. Additional Certifications Required 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.

2.1 Product Conformance

The Bidder certifies that all trailers/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

PART 6 - RESULTING CONTRACT CLAUSES

1. Requirement

- 1.1 The Contractor must deliver Qty 4, **Semi-Trailer, Lowbed** and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.
- 1.2 The Contractor grants to Canada irrevocable options identified in Annex "A"- Pricing.
 - 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.
 - 1.2.2 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.
 - 1.2.3 The options may be exercised within **twelve (12) months** after contract award.
- 1.3 **Optional Extended Warranty Period (if applicable)**

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.

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

2.1 General Conditions

2010A (2014-09-25) 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.

3. Term of Contract

3.1 Delivery of Trailer

3.1.1 Firm Quantity

Delivery date of the trailers must be made as follows:

Item 001 – Qty 2, **Semi-Trailer, Lowbed** and related items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

Item 002 – Qty 2, **Semi-Trailer, Lowbed** and related items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

3.1.2 Option Quantity

Item 003 – Up to Qty 2, **Semi-Trailer, Lowbed** 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.)

4. Authorities

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: 819 956-5917
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.

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.

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.

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: _____

4.5 After Sales Service

4.5.1 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 trailer/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

5. Payment

5.1 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 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.

5.2 SACC Manual Clauses

H1001C Multiple Payments

2008-05-12

5.3 Exchange Rate Fluctuation Adjustment

- 5.3.1 The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. 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.
- 5.3.2 For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
- 5.3.3 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 provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:
- $$Adjustment = FCC \times Qty \times (i_1 - i_0) / i_0$$
- where formula variables correspond to:
- FCC
Foreign Currency Component (per unit)
- i_0
Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])
- i_1
exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])
- Qty
quantity of units
- 5.3.4 The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
- 5.3.5 For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.
- 5.3.6 The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#), Claim for Exchange Rate Adjustments.
- 5.3.7 The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#) (i.e. $[i_1 - i_0] / i_0$).

5.3.8 Canada reserves the right to audit any revision to costs and prices under this clause.

6. Invoicing Instructions

6.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions including the Client Ref # BT521. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors / suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

6.2 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.

6.3 Holdback

A ten percent (10%) holdback will apply on the total price of each trailer (Item 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 trailer 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.

7. Certifications

7.1 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.

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 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.

8. Applicable Laws

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

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 (2014-09-25) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014;
- (e) Appendix 1- Technical Information Questionnaire - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014;
- (f) Annex "C", Federal Contractors Program for Employment Equity - Certification;

(g) the Contractor's bid dated _____.

10. 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
D3010C	Delivery of Dangerous Goods / Hazardous Products	2014-06-26
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2014-06-26
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5545C	ISO 9001:2000 - Quality Management Systems - Requirements (QAC C)	2010-08-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2008-05-12

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.

12. Preparation for Delivery

The trailer/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 trailers 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 trailers 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.

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

- 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.

- 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.

14. 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 _____ (specify location). 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.

15. Progress Reports

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

Each progress report must address the following questions:

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

16. Tools and Loose Equipment

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

17. Spare Parts Availability

The contractor must ensure that spare parts required to properly maintain and repair the complete trailer 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.

18. Material

Material supplied must be new unused and of current production by manufacturer. (2014 model-year or newer).

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.

20. Interchangeability

Unless changes during the production run are authorized by Procurement Authority, all trailers 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.

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.

22. Service at Delivery

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

ANNEX "A" - PRICING

Item 001 Semi-Trailer, Lowbed (Firm Quantity)

The Contractor must deliver the trailer/equipment including the manuals, wiring diagram, hydraulic system diagram, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B" - Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.

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

CFB Gagetown
Major Equipment Section
Bldg B10
Oromocto, NB E2V 4J5

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 trailer, including all equipment and related items, in accordance with Basis of Payment Type 1 (as detailed at Clause 5.1 Basis of Payment).

Quantity: Two (2)

Item 002 Semi-Trailer, Lowbed (Firm Quantity)

The Contractor must deliver the trailer/equipment including the manuals, wiring diagram, hydraulic system diagram, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B" - Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.

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

CFB Edmonton
Major Equipment Section
Replenishment Company (CMTT)
107 Street & 137 Avenue Bldg C8
Edmonton, AB T5J 4J5

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 trailer, including all equipment and related items, in accordance with Basis of Payment Type 1 (as detailed at Clause 5.1 Basis of Payment).

Quantity: Two (2)

Item 003 Semi-Trailer, Lowbed (Optional Quantity)

If this option is exercised, the Contractor must deliver the trailer/equipment including the manuals, warranty letter(s) and the line setting tickets in accordance with the attached Annex ‘‘B’’ - Purchase Description - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.

Firm unit price of \$ _____ per trailer/equipement in accordance with Basis of Payment Type 2 (as detailed at Clause 5.1 Basis of Payment).

Quantity: Up to Two (2)

Item 004 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 - Multi-Axle Lowbed Combination Semi-Trailer dated 27 October 2014.

Firm unit price of \$ _____ in accordance with Basis of Payment Type 2 (as detailed at Clause 5.1 Basis of Payment).

Quantity: up to Two (2)

Item 005 Transportation Cost (optional Quantities)

(Item 005 will not be included in the financial evaluation)

If optional trailers are exercised, the contractor must deliver the trailer/equipment to final destination detailed below.

The 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 Two (2)

Negotiated price: \$(to be negotiated if an option is exercised) per trailer/equipment, for transportation cost, Delivered Duty Paid at destination, in accordance with Clause 5.1, Basis of Payment Type 3.

Item 006 Travel and Living for Familiarization Instruction/Training (Option)

(Item 006 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 Clause 5.1, Basis of Payment Type 4.

Quantity: up to Two (2)

Item 007 Optional Extended Warranty Period

Optional warranty coverage available: YES _____ NO _____

(Item 007 will not be included in the financial evaluation)

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

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 Clause 5.1)

ANNEX “C” 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)



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.

27 October 2014

ANNEX "B"

PURCHASE DESCRIPTION

FOR

MULTI AXLE LOWBED COMBINATION SEMI-TRAILER

1.0 BACKGROUND

1.1 **Scope.** This document covers the requirement for a multi axle lowbed combination semi-trailer. The trailer system will be used to transport heavy armoured vehicles.

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^(E)", 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^(E)", 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 supplied by the Contractor, 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) “System” is defined as the multi axle lowbed combination that may include: jeep, lowbed & booster. The system is specified in this Purchase Description.

2.0 APPLICABLE DOCUMENTS

2.1 Government Furnished Documents. NOT APPLICABLE

2.2 Other Publications. The following documents form part of this Purchase Description. Web sites for the organization are given when available. Effective documents are those in effect on date of manufacture. Sources are as shown:

- (a) Canadian Motor Vehicle Safety Standards (CMVSS)
- (b) Society of Automotive Engineers SAE Handbook

3.0 REQUIREMENTS

3.1 Standard Design

- (a) The system ***shall*** be the manufacturer's latest model having demonstrated industry acceptability by having been manufactured and sold commercially for at least 5 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) The system ***shall*** have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies.
 - (c) The system ***shall*** 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) The vehicle ***shall*** operate in accordance with all original equipment manufactures' (OEM) rated capacities and performance specifications.
- 3.2 Safety Standards.** The system ***shall*** meet the provisions of the Canada Motor Vehicle Safety Act in effect on the date of manufacture of the system.
- 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 system, under all load conditions, ***shall*** operate safely and efficiently as follows without degradation in performance, reliability and maintainability:
- (a) The system ***shall*** operate on paved roads, gravel roads and dirt roads with severe washboard and pot holes.
 - (b) The system ***shall*** operate in the temperature range of -40°C to 37°C.
 - (c) The system ***shall*** operate with the payloads defined in Appendix A under all operating conditions.
 - (d) The system ***shall*** operate in all Canadian Provinces and Territories.
- 3.5 Trailer System.** The trailer is referred to as a system. The system may consist of a jeep, trailer and booster or any combination thereof to carry the loads specified in Appendix A.
- 3.5.1 Capacity.** The system ***shall*** be capable of safely transporting all payloads defined in Appendix A.
- 3.5.2 Gross Axle Weight Rating (GAWR).** The GAWR for each axle of the system ***shall*** be supplied by the manufacturer. The GAWR ***shall*** be demonstrated as a system for all load cases defined in Appendix A. All components of the axle system including; axle, brakes, tires, rims and suspension ***shall*** not exceed manufactures rated capacities of the individual components.
- 3.6 Common System Components**
- 3.6.1 Dimensions.** The following applies:

- (a) The system ***shall*** have a nominal width of 3,045 mm;
- (b) Each kingpin installed on the system ***shall*** have a nominal variable height of 1,219 to 1,397 mm; and
- (c) System components ***shall*** have a nominal swing clearance of 2,133 mm.

3.6.2 Brakes. The system ***shall*** be equipped with an anti-lock air disc brake system. The brake system ***shall*** be equipped as follows:

- (a) The system ***shall*** be equipped with remote cable operated drain valves.
- (b) The system ***shall*** be equipped with colour coded glad hand couplers with dummy glad hand couplers including a safety chain for each glad hand.

3.6.3 Axles. The system ***shall*** be equipped with common axles appropriate to carry loads specified at Appendix A.

3.6.4 Suspension. The following applies:

- (a) The suspension ***shall*** have a manual suspension air dump valve for each component of the system;
- (b) An air gauge to assist the operator in evenly distributing the load throughout the system ***shall*** be provided;
- (c) Suspension travel limiters ***shall*** be provided. These devices prevent suspension over-travel while slinging or lifting the trailer for decking or sea transport. The devices ***shall*** 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.

3.6.5 Tires and Wheels. The wheels, tires and rims ***shall*** be common for the complete system. The following applies:

- (a) The tires ***shall*** have size and ply ratings which comply with Tire and Rim Association Standards.
- (b) The tires ***shall*** have sufficient load ratings capable of handling max load capacity of the trailer.
- (c) The system ***shall*** have tire pressures marked near each of the tire locations.
- (d) The rims ***shall*** be non-polished aluminum rims

- (e) A hubodometer reading in kilometres ***shall*** be provided for each component of the system.
- (f) Each wheel station ***shall*** be equipped with loose wheel nut indicators.

3.6.6 Electrical System. The electrical system ***shall*** have the following features:

- (a) The electrical system ***shall*** be a 12-volt negative ground electrical system;
- (b) The electrical system ***shall*** have a standard 7-pin trailer receptacle; and
- (c) **Protected Wiring and Workmanship**. 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. In addition all wiring ***shall*** be protected by grommets when passing through metal. The harnesses ***shall*** be sealed harnesses and all connections treated with dielectric grease.

3.6.7 Lighting. The lighting system ***shall*** conform to CMVSS 108 requirements. All lighting ***shall*** be LED.

3.6.8 Landing Gear. Individual system components ***shall*** be equipped with inter-connected two-legged landing gear.

3.6.9 Towing Points. Two rear towing points positioned and of sufficient strength to permit recovery ***shall*** be provided.

3.6.10 Mud Flaps. Rubber mud flaps rear of the rear axles of each system component ***shall*** be provided. The mud flaps ***shall*** be black in colour without logos or markings.

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

3.6.13 Licence Plate Holder. An illuminated licence plate holder ***shall*** be provided at the rear of each component of the system.

3.6.14 Document Holder. A document holder ***shall*** be provided for each component of the system. The holder ***shall*** be installed on the left front of each component.

3.7 Semi-Trailer. The following are items specific to the low bed portion of the system. The semi-trailer ***shall*** be capable of operating separate of the complete system.

3.7.1 Dimensions. The following applies:

- (a) The semi-trailer ***shall*** have a nominal width of, 3,048 mm, extendable to 3,556 mm through the use of deck extensions;
- (b) The semi-trailer ***shall*** have a minimum deck length of at least 7.3 metres;
- (c) The semi-trailer ***shall*** have nominal main deck height of 965 mm– unladen;
- (d) A Landing Wheel Clearance from kingpin (LWC) ***shall*** be at least 2,057 mm.

3.7.2 Auxiliary Engine System (AES)

3.7.2.1 AES General. The following applies:

- (a) An engine to power the hydraulic system(s) ***shall*** be provided. The engine ***shall*** be located in the semi-trailer gooseneck and mounted on appropriate mounts to reduce vibration;
- (b) The AES ***shall*** have a magnetic drain plug for the oil pan;
- (c) The AES exhaust ***shall*** be directed away from controls, wiring and hoses;
- (d) A single slave cable connector with cover with 12-volt ***shall*** be provided;
- (e) The AES ***shall*** be equipped with a low temperature starting aid; and
- (f) The AES ***shall*** be equipped with a keyless electric start.

3.7.2.2 Engine Compartment.

- (a) The AES ***shall*** be contained within an engine compartment;
- (b) The engine compartment ***shall*** have access door(s) mounted on hinges that are designed to allow the door(s) to be swung open or be lifted straight up.
- (c) The door(s) ***shall*** have means to stay open when the operator is working on the engine.
- (d) The door(s) ***shall*** have louver(s) to allow air flow into the engine compartment.
- (e) The engine compartment ***shall*** be equipped with a heater.
- (f) The engine compartment ***shall*** have working lights.

3.7.2.2 Shut-down Protection. The AES ***shall*** be equipped with low oil pressure and high temperature automatic shutdown device(s).

3.7.2.3 Controls and Instruments. All AES controls and instruments ***shall*** be mounted on the left exterior of the gooseneck. The AES ***shall*** be equipped with; a temperature gauge, an oil pressure gauge, a voltmeter or ammeter and an hour meter. The gauges ***shall*** be installed in an illuminated compartment.

3.7.2.5 Filtration Systems. The AES ***shall*** be equipped with a dry type air filter and spin off replaceable oil and fuel filters.

3.7.2.6 Fuel Tank. A fuel tank with a capacity of at least 18-litres (4-imp gals) and equipped with a fuel gauge ***shall*** be provided.

3.7.3 Trailer Construction

3.7.3.1 Trailer Frame. The following applies:

- (a) The semi-trailer deck ***shall*** be equipped with side extensions (outriggers). The side extensions ***shall*** add at least 254 mm to each side of the trailer, for a total of at least a 508 mm increase to the overall width. The side extensions ***shall*** be equipped with suitable, removable planking. The planking ***shall*** be the length of the working/main deck. The side extensions ***shall*** have the capacity to support a load equivalent to the deck area and ***shall*** have a lockable device to secure the side extensions in place. When not in use, the side extensions ***shall*** fold out of the way and flush with the top flange.
- (b) The semi-trailer ***shall*** be equipped with two tapered, flip-up, ramps one on each side of the semi-trailer. The ramps ***shall*** be located between the outside edge and the side of the gooseneck, and be as wide as possible. Ramps ***shall*** be securely stowed using chains while not in use. The ramps will be used to facilitate the loading of vehicles and equipment.
- (c) Two hinged bridging plates located between the main deck and the rear portion of the semi-trailer over the axles ***shall*** be provided. These plates will allow wheeled vehicles to access the rear of the trailer, when the main deck is in its highest position, and ***shall*** be approximately the same width as the front flip-up ramps.
- (d) All pin and pivot holes ***shall*** be equipped with replaceable and/or greasable bushings. The surface of each pin ***shall*** be knurled/spiralled to allow grease to encircle the pin and reach the end plate.

3.7.3.2 Semi-Trailer Deck Floor. The following applies:

- (a) The deck floor ***shall*** be covered with rough wood planks of sufficient thickness to accommodate the load. The rear deck area ***shall*** be steel checker plate.
- (b) The deck floor ***shall*** be treated with Linseed oil or equivalent product.

- (c) Wheel openings ***shall*** be covered as this area will be used to transport vehicles or cargo.

3.7.3.3 Semi-trailer Gooseneck. The following applies:

- (a) The semi-trailer ***shall*** be equipped with a hydraulically operated, removable gooseneck.
- (b) The mechanism to lock the gooseneck at the various heights ***shall*** be a cam and lever design, not pins (An antler system is the preferred design).
- (c) If the gooseneck is equipped with an extension nose, the extension nose ***shall*** be capable of being deployed or flipped back onto the gooseneck remotely through the use of the trailer hydraulic system.
- (d) The gooseneck ***shall*** be equipped with a hydraulic stinger that is capable of supporting the weight of the gooseneck during loading and unloading procedures. The design of the stinger ***shall*** be such as to eliminate any lateral movement of the gooseneck when it is only attached to the vehicle fifth wheel and the vehicle is moving.
- (e) The main vertical locking pin and pin lock ***shall*** be air operated, with the controls on the exterior left side of the gooseneck.

3.7.3.5 Hydraulic System. The following applies:

- (a) The manufactures standard hydraulic tank sized for the system ***shall*** be provided. The tank ***shall*** include the following features:
 - i. An intake filter screen.
 - ii. An inspection plate bolted to a raised lip located on the top of the tank.
 - iii. An external fluid level indicator.
- (b) The hydraulic system ***shall*** contain the manufactures standard filtering system/elements;
- (c) Auxiliary couplers with captive protective caps and a selector valve in order to power the system from an external source ***shall*** be provided;
- (d) The manufactures standard wet kit connector ***shall*** be provided; and
- (e) All hydraulic controls ***shall*** be conveniently located on the left exterior side of the gooseneck.

3.7.3.6 Features. The following applies:

- (a) **Exterior Side Tie-down Points.** The semi-trailer ***shall*** be equipped with eight tie-down points (D-rings) on each exterior side beam and an additional four tie-down points (D-rings) on each side of the decking above the rear axles. Two additional flush mounted tie-down points (D-rings), one on each side, at the rear of the semi-trailer ***shall*** be provided. Tie-down ratings ***shall*** be at least 9,072 kg.
- (b) **Main Deck/Rear Deck Mounted Tie-down Points.** Two rows, evenly spaced, recessed flush mounted tie-down rings with drain holes, bolted to the main deck floor and not more than 203 mm from the sides ***shall*** be provided. Each row will contain nine tie-downs. An additional two rows, of four tie-downs on each side of the rear deck ***shall*** be provided. Tie-down rating ***shall*** be at least 9,072 kg.
- (c) **Gooseneck Mounted Tie-down Points.** Two rows of two tie-downs on the gooseneck ***shall*** be provided. Tie-down rating ***shall*** be at least 9,072 kg.
- (d) **Storage Compartments.** Two, lockable, upper deck, storage compartments ***shall*** be provided. The compartments floor ***shall*** be covered with DRI decking. The floor of the compartment(s) ***shall*** be equipped with drain holes with evacuation valves. The compartment size ***shall*** be of sufficient size to accommodate spare straps, chains and fluids.

3.8 Paint and Corrosion Protection. The following is applicable to the complete system:

3.8.1 Paint Finish

- (a) The complete system ***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.
- (b) A phosphate treatment plus primer or an E-coat system ***shall*** be provided on all ferrous metals. This ***shall*** be followed by two coats of paint.
- (c) A cleaning and etching treatment plus primer followed by two coats of paint ***shall*** be provided on all aluminium components.
- (d) A clear exterior grade sealer ***shall*** be applied on all wooden areas.

3.8.2 Paint Colour

- (a) The colour ***shall*** be Olive Drab for all main components. The colour ***shall*** be 34094 in accordance with FED STD 595. Colour samples ***shall*** be provided for TA approval after contract award.
- (b) All lettering and symbols on the outside ***shall*** be flat black using paint compatible with topcoat selected. The colour ***shall***^(E) be 34030 in accordance with FED STD 595. Colour samples ***shall*** be provided for TA approval after contract award.
- (c) Commercial items prefinished by the OEM may be exempt upon Technical Authority approval.

3.8.3 Corrosion Protection System. The following applies:

- (a) Dissimilar metals ***shall*** be protected against galvanic corrosion.
- (b) A rust prevention coating ***shall*** be applied to the trailer underbody. The product applied ***shall*** be a manufacturer's standard product that meets industry standard such as Tectyl, Krown Rust, or Rust Check.

3.9 Trailer Markings

3.9.1 Identification Plates. 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 information ***shall*** be included on the identification plates.
- (b) GAWR and GVWR ratings for each component ***shall*** be included on the identification plates.
- (c) Maximum payload of the trailer ***shall*** be included on the identification plates.

3.9.2 Warning and Instruction Plates. The following ***shall*** be provided:

- (a) All warning and instruction plates ***shall*** be within easy view of the user and in accordance with standard commercial practice;
- (b) International symbols and/or bilingual markings ***shall*** be used; and
- (c) Instructions for engine starting and any other special procedures to be followed ***shall*** be included.

3.10 Lubricants and Fluids. The trailer ***shall*** be serviced with standard lubricants and fluids compatible with the delivery location and season.

3.11 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 system.**
 - ii. **Parts Manual(s).** A Parts Manual(s) in English (French translation is desirable) shall be provided.
 - iii. **Maintenance (Shop Repair) Manuals.** A Maintenance (Shop Repair) Manual in English (French translation is desirable) shall be provided.
 - iv. **Wiring Diagram.** A colour coded wiring diagram(s) for the complete system shall be provided. The diagram(s) shall include numbering information for all connections. Wiring information required for the AES shall also be provided.
 - v. **Hydraulic System Diagram.** A complete schematic of the hydraulic system for all components shall be provided.
 - vi. A digital copy of the Equipment Manuals on CD/DVD-ROM will be acceptable. This shall include all the manuals. For usability, CD/DVD-ROM shall not require password to be accessed. The digital files shall be in pdf format and shall not require an auto execute (installation) to operate.
 - vii. **Sample Manuals.** A set of Sample Manuals, including all Equipment Manuals shall be provided. The sample manuals shall be delivered to the Technical Authority 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 semi-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 be taken with a clear uncluttered background.

- (d) **Warranty Letter.** The contractor ***shall*** provide 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. The Line Setting Ticket ***shall*** accompany each completed trailer to the final delivery point. An additional copy of the Line Setting Ticket ***shall*** be forwarded to the Technical Authority as soon as it is 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 eight 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.

4.0 **QUALITY ASSURANCE PROVISIONS**

- 4.1 **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.

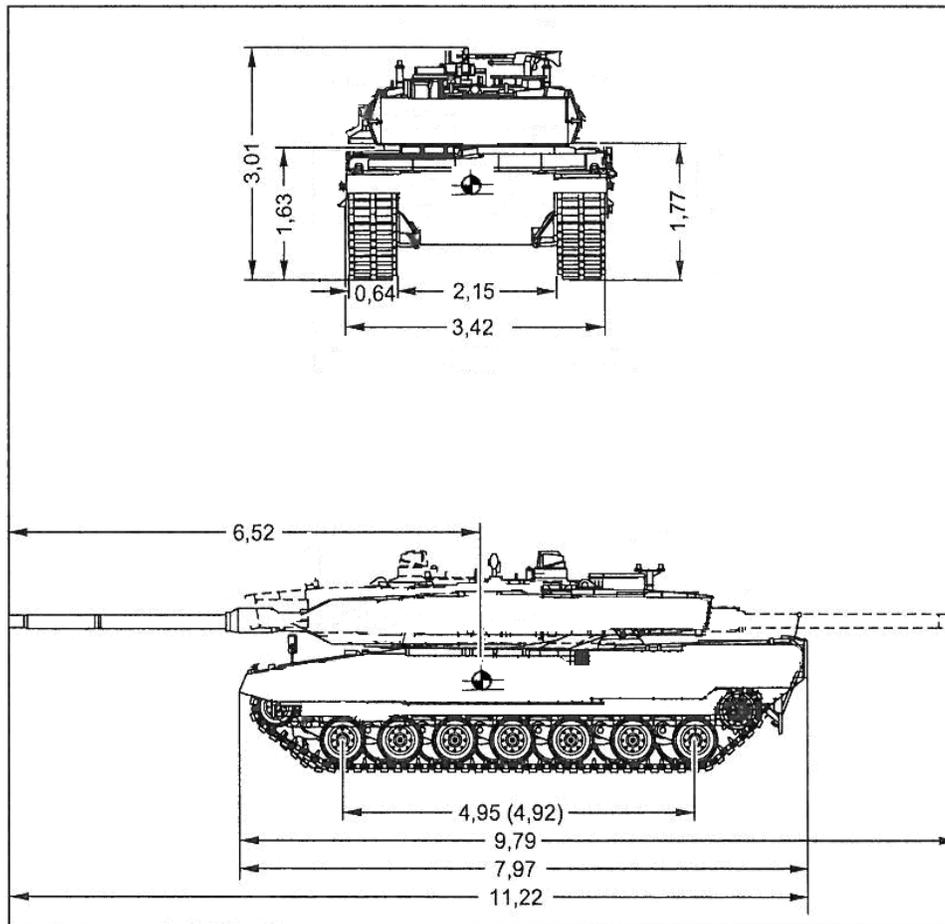
Appendix A

Dimensions are metric:

Common dimensions for each scenario

Wheelbase	4950 mm
Overall track width	3420 mm
Track base (inside dimension)	2150 mm
Hull clearance	500 mm
Track width	640 mm
Approach angle front	37^o
Approach angle rear	40^o

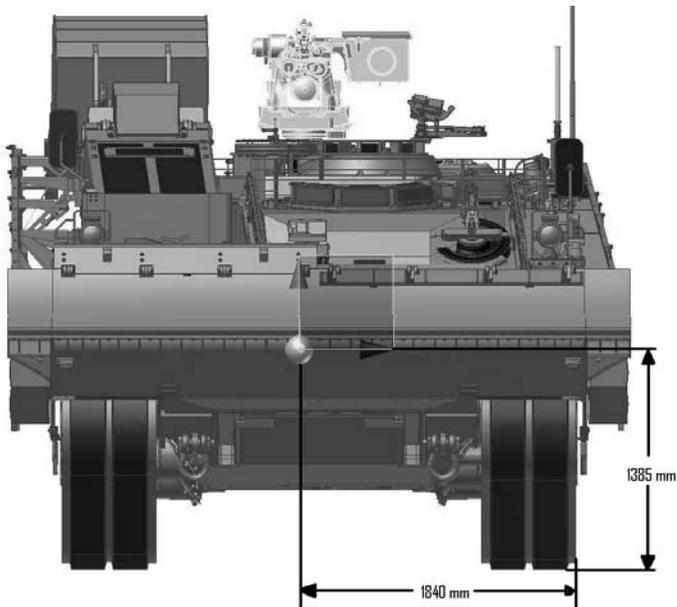
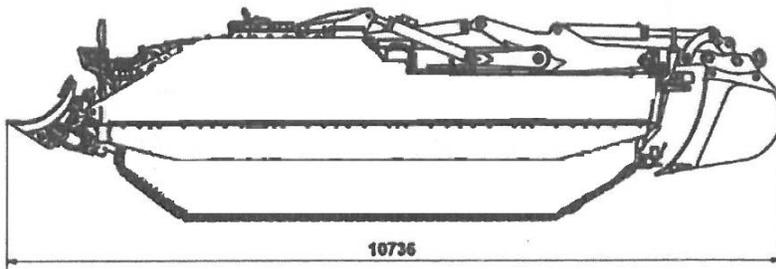
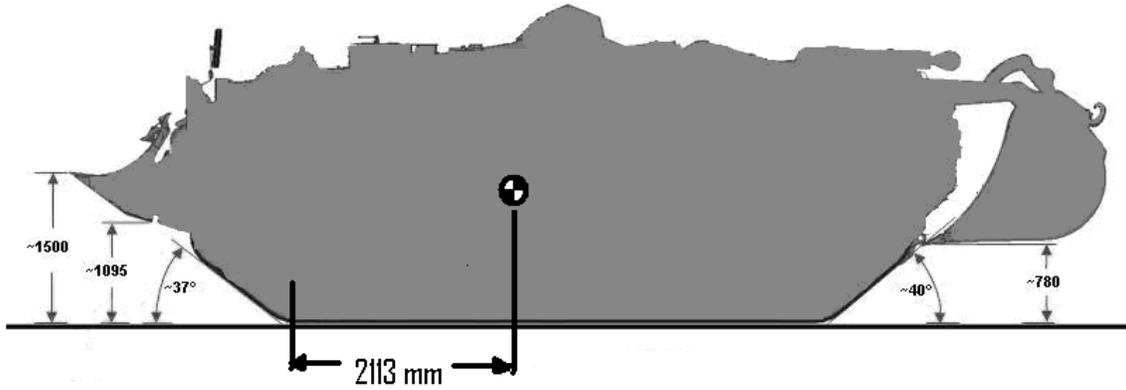
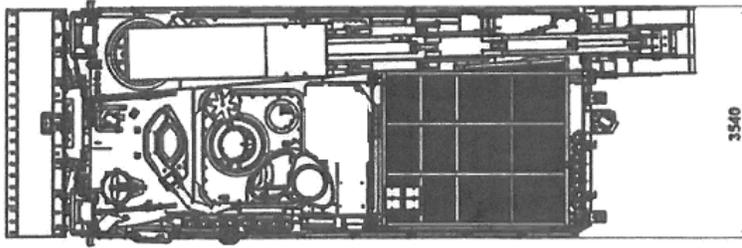
Scenario 1 Leo2 A6M



**** Travel direction on trailer is with barrel pointed to the rear of the vehicle (follow dotted lines).**

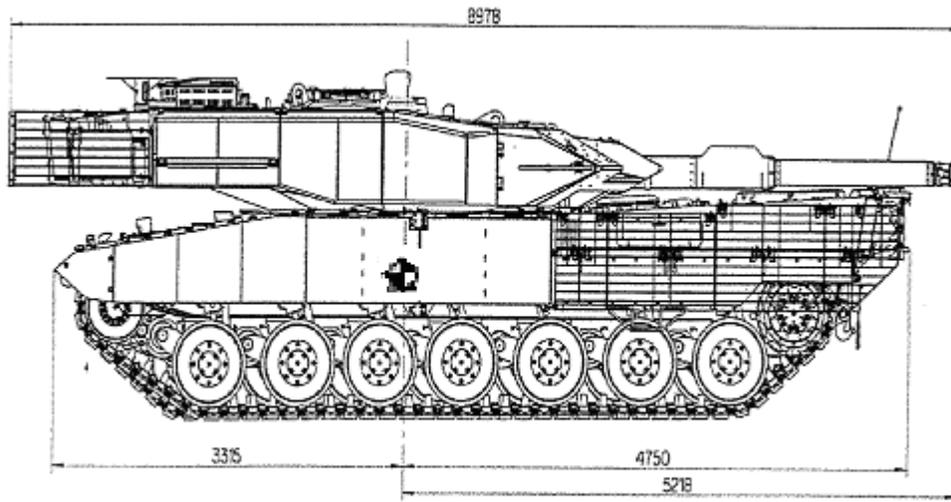
MLC	70 000 kg
Max gross weight	63 500 kg
Overall length with barrel to the rear	9790 mm

Scenario 2 AEV



MLC	75 000 kg
Max gross weight	69 500 kg
Overall length with bucket	10 763 mm
Overall vehicle width	3540 mm

Scenario 3 Leo 2 A4 Can



MLC	80 000 kg
Max gross weight	62 000 kg
Overall length with barrel	8978 mm
Overall vehicle width	4051 mm
Overall height	2783 mm



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.

27 October 2014

MULTI AXLE LOWBED COMBINATION SEMI-TRAILER

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 _____

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:

OPI DSVPM 4 – DAPVS 4

Issued on Authority of the Chief of the Defence Staff

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



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REQUIRED TECHNICAL INFORMATION AND DOCUMENTS:

Make: _____, Model: _____, Year: _____

Load Analysis – Proof of Compliance

Shall provide load analysis drawings showing all components of the system including axle and kingpin loads under all loading scenarios provided in Appendix A.

Information can be found in document(s): _____ page: _____.

System Drawing(s) – Proof of Compliance

System Drawing(s) showing semi-trailer, jeep and booster (if required) configuration(s) and dimensions for Proof of Compliance.

Information can be found in document(s): _____ page: _____.

SPECIFICATION PARAGRAPHS

3.5.1 Capacity – Proof of Compliance

Tank transporting requirements:

(Technical drawings and load analysis are the preferred proof of compliance to demonstrate capability against Appendix A requirements)

The empty weight of the semitrailer is: _____ kg.

Empty weight of semi-trailer can be found in document(s) _____ page: _____.

The rated payload of the semitrailer is: _____ kg.

Payload information can be found in document(s) _____ page: _____.

Dimensional information can be found in document(s) _____ page: _____.

3.6.1 Dimensions – Proof of Compliance

Clause	Description	Value	Document Name/Title	Page
3.6.1 (a)	Nominal width			
3.6.1 (b)	Kingpin height – Highest			
3.6.1 (b)	Kingpin height – Lowest			
3.6.1 (c)	Swing clearance			

3.6.2 Brakes – Proof of Compliance

(a) Anti-lock air disc brake system configuration can be found in document(s): _____ page:

3.6.3 Gross Axle Weight Rating (GAWR) – Proof of Compliance

GAWR information can be found in document(s): _____ page: _____.

GAWR is: _____ kg,

Axle configuration can be found in document(s): _____ page: _____.

Axle capacity is: _____,

And can be found in document(s): _____ page: _____.

Suspension configuration can be found in document(s): _____ page: _____.

Suspension capacity is: _____,

And can be found in document(s): _____ page: _____.

Tire make: _____ model: _____.

Tire load rating is: _____ kg,

And can be found in document(s): _____ page: _____.

Brake system rated capacity is: _____,

And can be found in document(s): _____ page: _____.

3.7.1 Low Bed Semi-Trailer – Proof of Compliance

Clause	Description	Value	Document Name/Title	Page
3.7.1 (a)	Nominal width			
3.7.1 (a)	Deck extension width			
3.7.1 (b)	Deck length			
3.7.1 (c)	Deck height			
3.7.1 (d)	Landing wheel clearance			

3.7.2 Auxiliary Engine System

Engine make: _____ model: _____.

Fuel type is: _____.

Engine 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.