

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

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

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

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

Title - Sujet Vehicle Lifting Device	
Solicitation No. - N° de l'invitation 31184-142003/A	Amendment No. - N° modif. 006
Client Reference No. - N° de référence du client 31184-142003	Date 2015-04-22
GETS Reference No. - N° de référence de SEAG PW-\$\$\$HP-922-66811	
File No. - N° de dossier hp922.31184-142003	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-05-04	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Tanguay, Mike	Buyer Id - Id de l'acheteur hp922
Telephone No. - N° de téléphone (819) 956-0545 ()	FAX No. - N° de FAX (819) 953-2953
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Aerospace – AL National Research Council 1 Levy St., (UPLANDS) BLDG U70 Ottawa, Ontario K1V 9B4 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

31184-142003/A

Amd. No. - N° de la modif.

006

Buyer ID - Id de l'acheteur

hp922

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

31184-142003

File No. - N° du dossier

hp92231184-142003

CCC No./N° CCC - FMS No/ N° VME

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1. This Solicitation Amendment 006 is raised to:
 - a. replace the entire body of the RFP; and
 - b. provide a revised Statement of Work and Appendix 1.
2. DELETE: The body included with the original RFP dated 18 February 2015.

INSERT:

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Annex "A" - Statement of Work and Compliance Matrix – Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015

Appendix 1 to Annex "A" – Provided Concept dated April 20, 2015

PART 1 - GENERAL INFORMATION

1. Requirement

National Research Council requires the device as detailed herein, in accordance with Statement of Work and Compliance Matrix - Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015 attached hereto.

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 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 *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) 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.

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 in writing 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 or Statement of Work 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)** calendar 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 (1 hard copy)

Section IV: Additional Information (1 hard copy)

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 and
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

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

Section II: Financial Bid



1. Pricing

Bidders must submit their financial bid in accordance with the Basis of Payment specified in Part 6. The total amount of applicable Taxes must be shown separately, if applicable.

The Bidder must submit firm unit prices in "Line Item Detail" only. No prices must be indicated in any other section of the bid.

2. SACC Manual Clauses

2.1 Exchange Rate Fluctuation Risk Mitigation

- 2.1.1 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.
- 2.1.2 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.
- 2.1.3 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).
- 2.1.4 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.
- 2.1.5 Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications required under **PART 5 - CERTIFICATIONS**.

Section IV: Additional Information

Canada requests that bidders submit the following information:

1. Delivery

While delivery of the device is requested by 30 July 2015, the best delivery that can be offered is as follows:

Item 001 – **Qty 1, Lifting Device, Vehicle** will be delivered within ____ calendar days from the effective date of the contract.

2. Manufacturer's Standard Warranty Period

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the equipment and its component that exceeds the minimum warranty period of **twenty-four (24) 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 Technical Evaluation

1.1.1 Bidders must submit, with their bid, the followings documents:

- 1) Completed Annex “A” – Statement of Work and Compliance Matrix – Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015; and
- 2) Concept Sketch in accordance with Annex “A” – Statement of Work and Compliance Matrix – Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015.

1.2 Financial Evaluation

1.2.1 The purpose of the financial evaluation is to determine the lowest price using the information submitted in “Line item Detail”.

2. Basis of Selection

- 2.1 A bid must comply with the requirements of the bid solicitation and meet all mandatory requirements to be declared responsive. The responsive bid with the lowest evaluated 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 to 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" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (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.

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 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

The Contractor must deliver **Qty 1, Lifting Device, Vehicle**, in accordance with Annex “A” – Statement of Work and Compliance Matrix – Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015.

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 *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

2.1 General Conditions

2010A (2014-11-27), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

At paragraph 09, sub-paragraph 1 of 2010A (2014-11-27), General Conditions - Goods (Medium Complexity):

DELETE: The warranty period will be 12 months

INSERT: The warranty period will be 24 months

3. Term of Contract

3.1 Delivery of Device

Delivery of the **device** must be made as follows:

Item 001 - **Qty 1, Lifting Device, Vehicle** must be delivered on or before
_____ (Date to be inserted by PWGSC at time of contract award.)

4. Authorities

4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Mike Tanguay

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: 819 956-0545
Facsimile: 819 953-2953
E-mail: mike.tanguay@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: _____
Address: _____

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: _____
Address: _____

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 device offered:

Item 001:

Name: _____
Address: _____

Telephone Number: _____

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

5. Payment

5.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of their obligations under the Contract, the Contractor will be paid 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.

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

H1000C Single Payment 2008-05-12

5.3 Exchange Rate Fluctuation Adjustment (if applicable)

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:

$$\text{Adjustment} = FCC \times Qty \times (i_1 - i_0) / i_0$$

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

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 invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Invoices must be distributed as follows:

- 1) The original and one copy of the Contractor's own invoice must be forwarded by mail to:

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

2) One copy of all invoices to the PWGSC Contracting Authority.

7. Certifications

7.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, 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.

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) the general conditions 2010A (2014-11-27) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" – Statement of Work and Compliance Matrix – Lifting Device for Light and Medium Duty Vehicles dated April 20, 2015;
- (d) the Contractor's bid dated _____ .

10. SACC Manual Clauses

The following clauses set out in the SACC Manual must form part of this Contract:

A1009C	Work Site Access	2008-05-12
B1505C	Shipment of Hazardous Materials	2006-06-16
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 device must be serviced, adjusted and delivered in condition for immediate use.

Any attempt by the carrier to deliver the device will 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

The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (9M Wind Tunnel, Ottawa, ON). Unless otherwise directed, delivery must be made by the most economical means. 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.

Item 001 - the contact person for delivery is: _____ (to be inserted by PWGSC at time of contract award).

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 Crown. The Crown reserves the right to carry out the Post-Contract Award Meeting/Pre-Production Meeting via teleconference.

15. Material

Material supplied must be new, unused and of current production by manufacturer.

16. Spare Part Availability

The contractor must ensure that spare parts required to properly maintain and repair the complete device covered by this specification will be available for purchase by National Research Council, or its authorized agents, for a period of **ten (10) years**.

17. 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).

18. Warranty

The manufacturer's standard warranty of (_____) months as administered through the designated dealer or authorized agent apply.

19. 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:

The Contractor is requested to provide all correspondence including (but not limited to) documents and reports in electronic format unless otherwise specified by the Contracting Authority, the Technical Authority or the Procurement Authority, thereby reducing printed material.

The Contractor 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.

Annex “A” –Statement of Work and Compliance Matrix dated April 20, 2015

Lifting Device for Light and Medium Duty Vehicles

BACKGROUND AND PURPOSE

The National Research Council's 9m Wind Tunnel is frequently used to test production model passenger and commercial vehicles. The wind tunnel facility is arranged such that placement of these vehicles into the wind tunnel requires the use of an electric overhead bridge crane and a lifting device specifically designed for lifting vehicles.

An existing vehicle lifting device at the facility has been used successfully for many years; however a new lifting device is now needed to handle larger and heavier vehicles.

PROVIDED CONCEPT

Annex A contains drawings for a conceptual vehicle lifting device that is based on the vehicle lifting device that has been in use at the 9m Wind Tunnel for more than 20 years. Bidders may submit a proposal based on the design provided in Attachment 1 or an alternate design as long as it satisfies all of the requirements contained in this specification. Bidders must submit with their proposal a conceptual sketch whether the proposal is based on the design provided or an alternate design. The sketches are provided to demonstrate only the general function of this concept – the optimal solution in terms of structural detail is the bidder's responsibility.

SCOPE OF WORK

Bidders must state compliance to all of the following mandatory requirements in order to be declared responsive:

	Requirement	Compliance	
		No	Yes
4.0.1	The vehicle lifting device shall make use of both hoist hooks to avoid the need for balancing the load fore-aft and to maximize the height of vehicles that can be lifted.		
4.0.2	The lifting device shall be designed such that it can lift a vehicle from the back bay of the 9m Wind Tunnel Facility. The back bay of the facility is very narrow with a concrete wall on one side, a vertical column on the other side and limited space at the front and rear. The maximum acceptable overall width of the lifting device is 120". The Back Bay of the facility is shown in Figure # 1.		
4.0.3	The lifting device shall be designed such that it is as low-profile as possible in order to maximize the height of vehicles that can be lifted into the facility (over the wind tunnel wall and under the crane girders). The attachment points for the crane's hooks shall be kept as low as possible and the overall height of the lifting device shall be minimized. The maximum allowable height of the lifting device from crane hook attachment to the floor shall be 155".		

	Requirement	Compliance	
		No	Yes
4.1.1	The lifting device shall be capable of lifting a vehicle with a maximum weight of 6600lbs at the front axle and a maximum weight of 6600lbs at the rear axle for a total maximum weight capacity of 13,200lbs. The lifting device capacity shall include all of the following load cases: (a) 6600lb on both vehicle axles with a vehicle track width (center of tire to center of tire) of 70" (b) 6600lb on both vehicle axles with a track width of 80" (c) 4000lb on both vehicle axles with a track width of 60"		
4.1.2	The lifting device shall be capable of lifting a vehicle with the following dimensions: (a) Overall length: 100" to 400" (b) Overall width: any up to 97" The lifting device interior width shall be not less than 102". (c) Overall height: any up to 125" (d) Wheelbase: 40" to 300" (e) Tire diameter: 12" to 40"		
4.2.1	The lifting device shall be designed such that one person can easily: lower the device to the vehicle, rig the device, and begin to hoist the vehicle within ten minutes.		
4.2.2	The lifting device shall be easy for one operator to connect or disconnect to/from the crane.		
4.2.3	The lifting device shall be stable and safe when not connected to the crane. It shall not present a tipping-over, pinch, or crush hazard to personnel.		
4.2.4	The lifting device shall be easily folded or disassembled for compact storage, passage through the facility garage doors, and transport using a forklift. One person shall be able to collapse the lifting device for storage in less than 30 minutes. All components shall be clearly marked to indicate the correct location and orientation for re-assembly.		
4.3.1	Prior to production, the design of the lifting device shall be approved by a licensed professional engineer.		
4.3.3	The lifting device shall be designed in accordance with (a) ASME B30.20 and; (b) ASME BTH-1, Design Category B, Service Class 1.		
4.3.4	Temperature: The lifting device shall be suitably designed for temperatures ranging from -30°C to 66°C.		
4.3.5	The lifting device shall be designed such that the lifting device contacts the vehicle only on the tread of the tires.		
4.3.6	The lifting device shall be capable of lifting the vehicle without any preparation of the vehicle (i.e. the vehicle is not modified in any way). The lifting device shall be designed to lift the vehicle directly from the facility surface that the vehicle is parked on.		
4.3.8	The lifting device shall connect directly to the 9m Wind Tunnels' crane hooks. The opening to receive these hooks must be at least 10" tall x 4" wide with pin diameter less than 3".		
4.4.1	Shop drawings showing all details of the device shall be submitted to the NRC for review and approval before fabrication begins.		
4.4.2	All welding shall be in accordance with the following standards: CSA W47 and CSA W59		
4.4.3	Structural components made of aluminum shall not be welded.		
4.4.4	The device shall be suitably prepared and neatly spray painted or powder-coated with a high quality industrial paint. Poorly adhered paint or finish will not be accepted. The colour shall be safety yellow.		

	Requirement	Compliance	
		No	Yes
4.5.1	As a minimum, the vehicle lifting device shall be load tested to 125% of the maximum capacity as per the load cases identified by this document. This load test shall be witnessed and certified by a licensed professional engineer.		
4.5.2	The device shall be inspected by the NRC Engineer to ensure complete compliance with this specification.		
4.6.1	The vehicle lifting device shall be supplied with the following documents: (a) Three copies of the instructions for the operation of the device; (b) A sample pre-operational inspection checklist; (c) Preventative maintenance schedule (if applicable); (d) Three copies of the approved (stamped and signed by a licensed professional engineer) as-built general assembly drawings. (e) The load test certificate (signed and approved by a licensed professional engineer) (f) If not included in the above, a document or drawing stating the working load capacity, acceptable load configurations, and any other load or usage limitations of the device. This shall be reviewed and approved by a licensed professional engineer.		
4.7.1	The vehicle lifting device shall be guaranteed against defects and workmanship for a minimum period of 2 years from the acceptance date of the work.		
4.7.2	A concept drawing of the device design must be submitted with the bid which communicates the following details: (a) How the device will be used to lift a vehicle; (b) The overall dimensions of the device (width, hook height, length); and (c) The maximum lifting capacity of the device.		

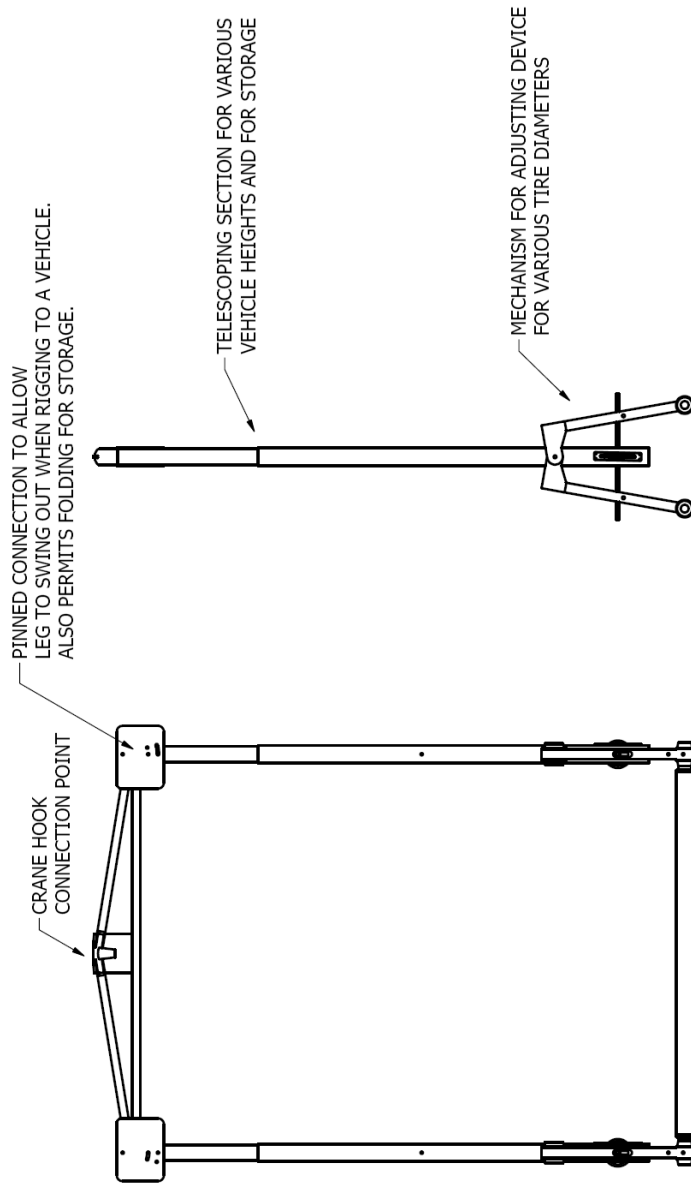
Figure #1: 9m Wind Tunnel Back Bay



Sketch #1: Provided Concept



Sketch #2: Provided Concept



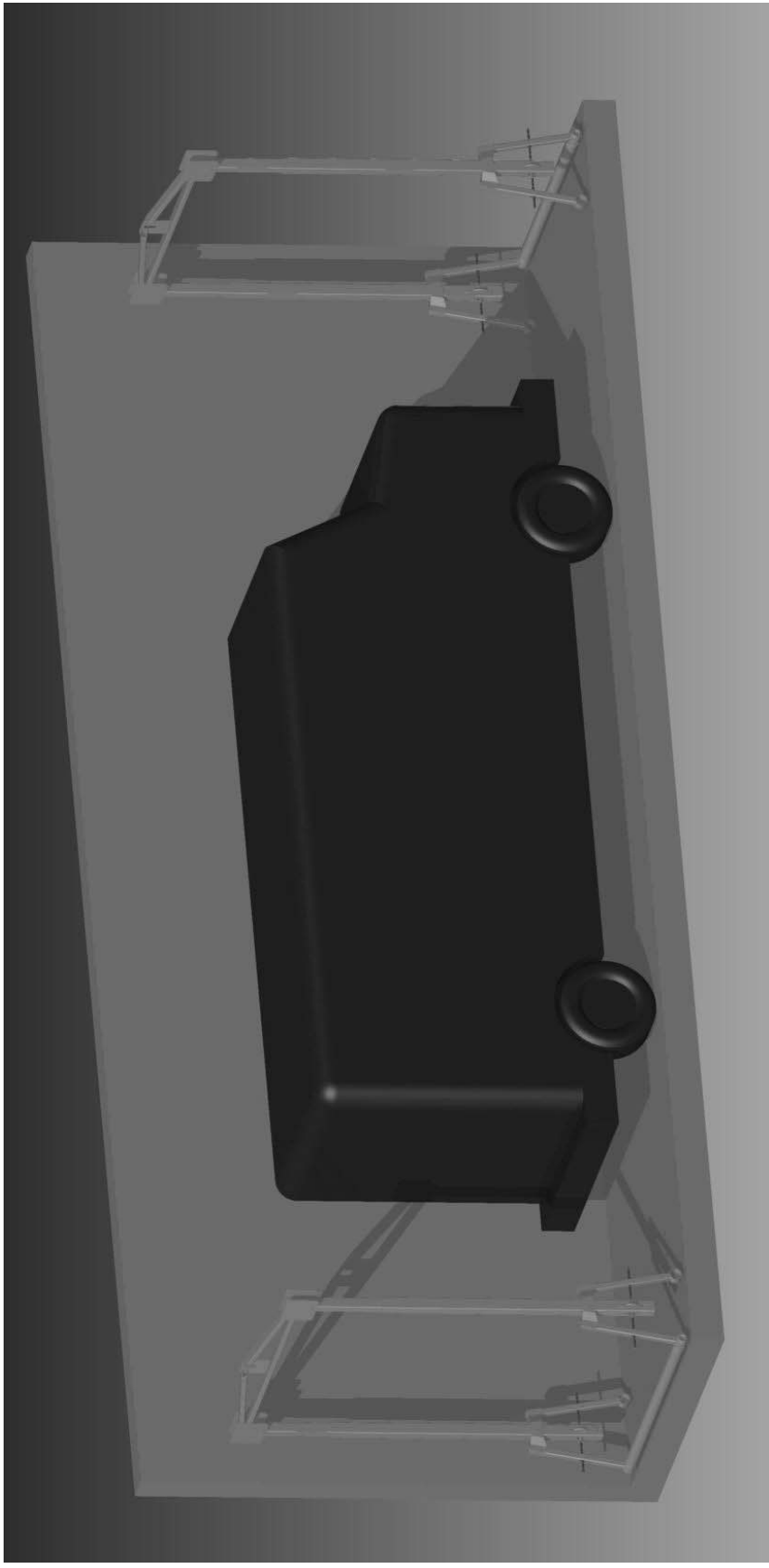
Appendix 1 to Annex A dated April 20, 2015
Provided Concept

Provided Concept – Procedure for Hoisting a Vehicle

Step 1: The vehicle is parked, the lifting devices are connected to the 2-hoist crane (not shown), and the lifting devices are being lowered into place.

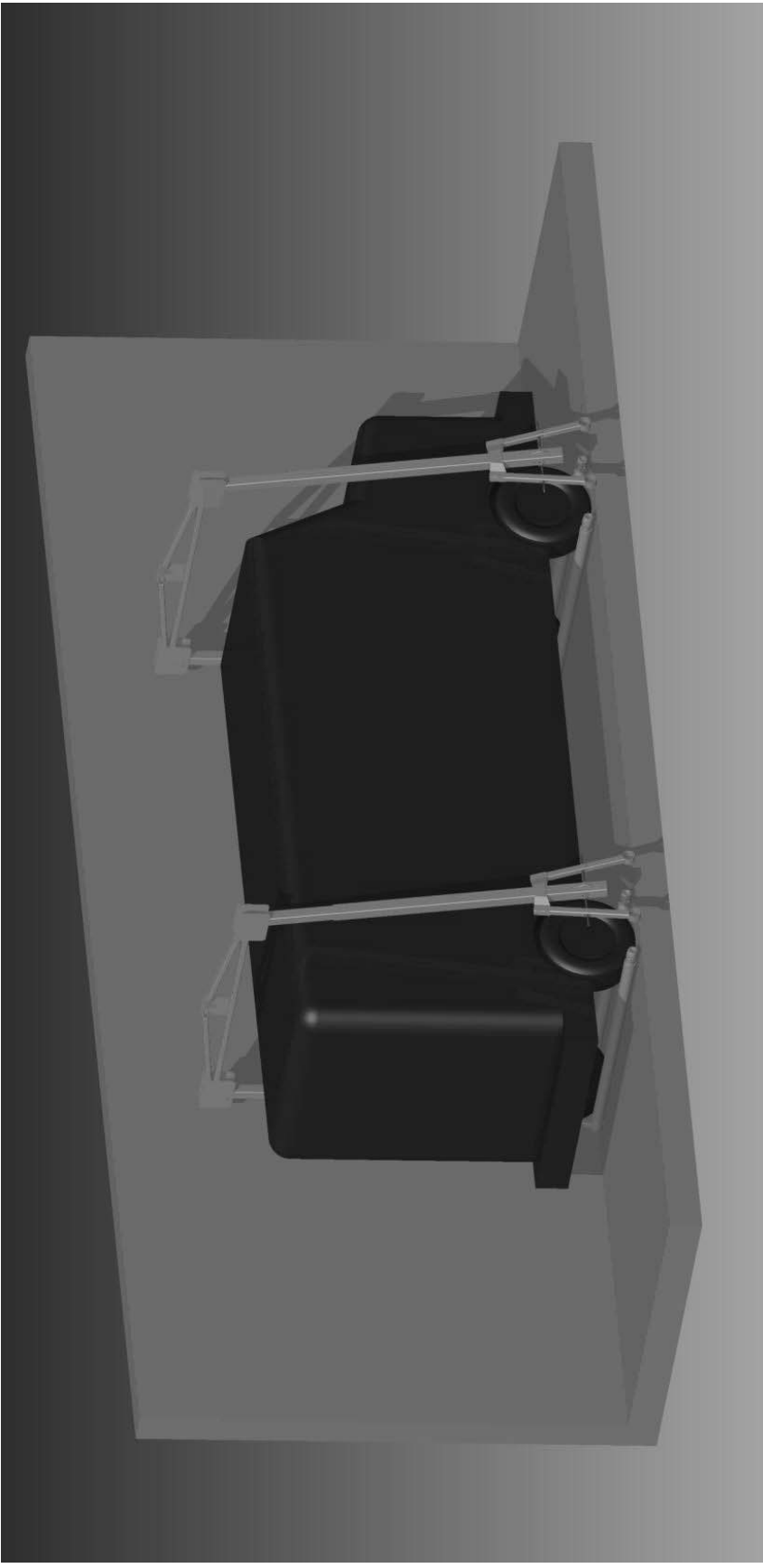


Step 2: One of the lower support pipes has been removed from each lifting device.



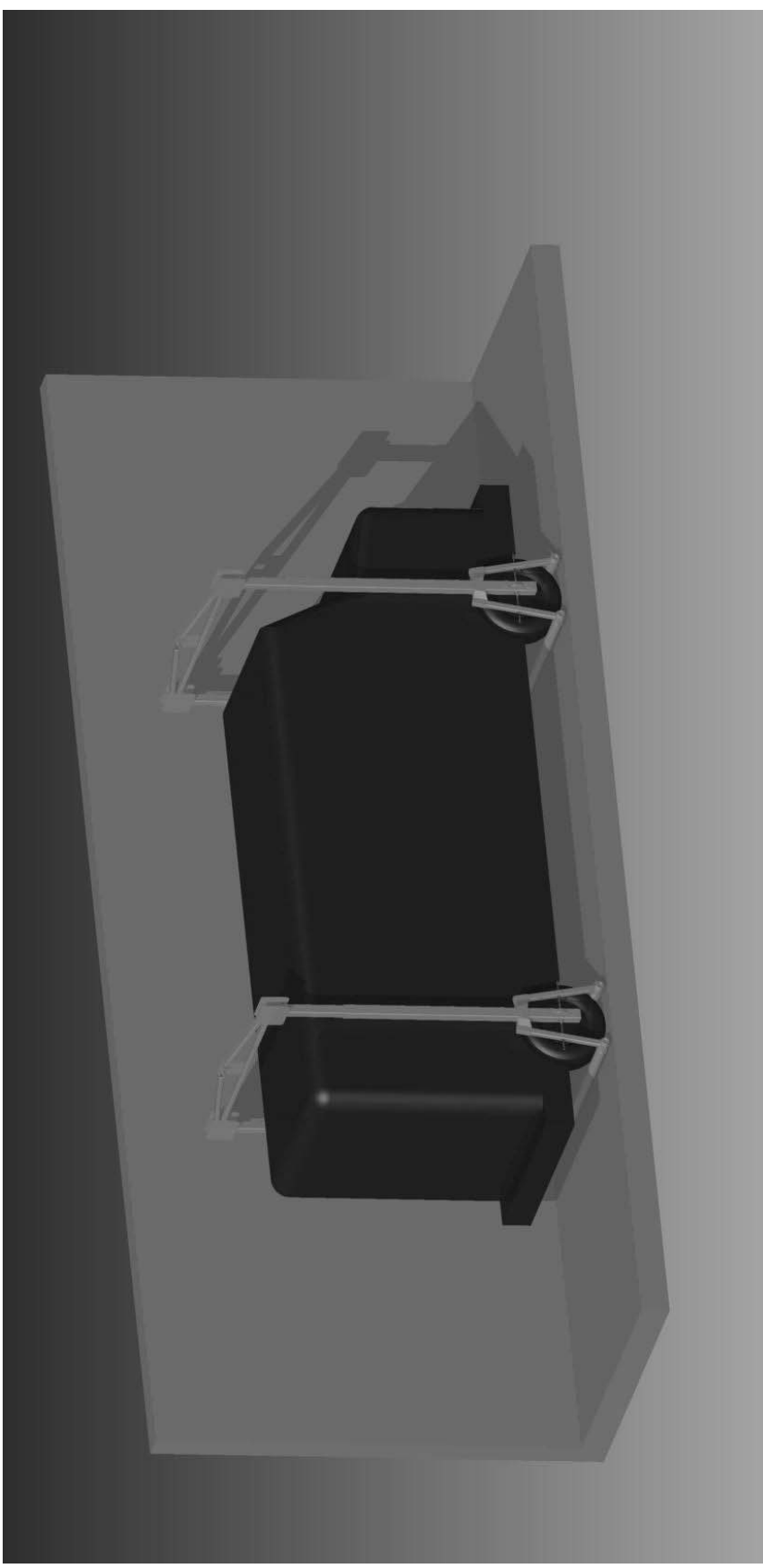
Appendix 1 to Annex A dated April 20, 2015
Provided Concept

Step 3: The lifting devices have been moved into position; and one leg of the lifting devices has been swung out to allow the lower support pipe to be installed.



Appendix 1 to Annex A dated April 20, 2015
Provided Concept

Step 4: The lower support pipe has been installed. The spread of the pipes has been adjusted to the tire size.



Step 5: The vehicle is hoisted using both hoists.

