



National Defence

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

Proposal To: National Defence Canada

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

Proposition à : Défense nationale Canada

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

Comments - Commentaires

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

By e-mail to: - Par courriel au :
DLP53BidsReceiving.DAAT53Receptiondessoumissions@forces.gc.ca

Attention: - Attention :
Dong Le DLP 5-3-4-2

Solicitation Closes - L'invitation prend fin

At - à :
2:00 PM - 14:00

On - le :
9 August 2023 - 9 Août 2023

Time Zone - Fuseau Horaire :

Eastern Daylight Time (EDT)
Heure avancée de l'Est (HAE)

Title - Sujet Highway Bus Cruiser / Autobus Routier	
Solicitation No. N° de l'invitation W8476-236718/A	Date of Solicitation Date de l'invitation 6 July 2023 – 6 Juillet 2023
Address enquiries to: - Adresser toute demande de renseignements à : Dong Le E-Mail Address - Courriel Dong.le@forces.gc.ca	
Destination See herein - Voir aux présentes	

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions : Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery required Livraison exigée See herein - Voir aux présentes	Delivery offered Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Person authorized to sign on behalf of Vendor/Firm (type or print): La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :	
Name - Nom	Title - Titre
Signature	Date

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PART 1 - GENERAL INFORMATION

1.1 Requirement

- A. The Department of National Defence (DND) has a requirement to procure Quantity 4 (four) Bus Highway Cruiser for delivery to Canadian Forces Base (CFB), one (1) in Valcartier (Quebec), one (1) in Edmonton (Alberta) and two (2) Petawawa (Ontario). The requested delivery date is 180 days after contract award.
- B. The requirement is detailed under the article entitled Requirement of the resulting contract clauses in Part 6.

1.2 Security Requirements

- A. There is no security requirement associated with this bid solicitation.

1.3 Debriefings

- A. Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Canadian Content

- A. The requirement is subject to a preference for Canadian goods and deliverables.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

- A. All instructions, clauses and conditions identified in this document and any of its attachments by number, date, and title are either:
- (i) Set out in the Standard Acquisition Clauses and Conditions (SACC) Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada; or
 - (ii) Included as attachments.

These documents are incorporated by reference and they form part of this document as though they were expressly set out here in full.

- B. 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.
- C. The 2003 (2023-06-08), Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modification(s):
- (i) Section 02, Procurement Business Number, is deleted in its entirety;
 - (ii) Section 05, Submission of bids, subsection 3, is deleted in its entirety;
 - (iii) Section 05, Submission of bids, subsection 2, paragraph d., is deleted in its entirety and replaced with the following:
 - d. send its bid only to the location specified on page 1 of the bid solicitation or to the address specified in the bid solicitation.
 - (iv) Section 05, Submission of bids, subsection 4, is amended as follows:
Delete: 60 days
Insert: 120 days
 - (v) Section 06, Late bids, is deleted in its entirety;
 - (vi) Section 07, Delayed bids, is deleted in its entirety and replaced with the following:
07 Delayed bids
 - 1. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.
 - (vii) Section 08, Transmission by facsimile or by Canada Post Corporation's (CPC) Connect service, is deleted in its entirety.
 - (viii) Section 20, Further information, subsection 2, is deleted in its entirety.

2.2 Submission of Bids

- A. Bids must be submitted only to the Department of National Defence (DND) by the date, time, and place indicated on page 1 of the bid solicitation.
- B. Due to the nature of the bid solicitation, bids transmitted by facsimile will not be accepted.

- C. Due to the nature of the bid solicitation, bids transmitted by Canada Post Corporation's (CPC) Connect service will not be accepted.

2.2.1 Electronic Submissions

- A. Individual e-mails that may include certain scripts, formats, embedded macros and/or links, or those that exceed 5 megabytes may be rejected by Canada's e-mail system and/or firewall(s) without notice to the Bidder or Contracting Authority. Larger bids may be submitted through more than one e-mail. Canada will confirm receipt of documents. It is the Bidder's responsibility to ensure that their entire submission has been received. Bidders should not assume that all documents have been received unless Canada confirms receipt of each document. In order to minimize the potential for technical issues, bidders are requested to allow sufficient time before the closing date and time to confirm receipt. Bid documents submitted after the closing time and date will not be accepted.
- B. Bidders are requested that the solicitation number (W8476-236718/A) be included in the subject line of any email

2.3 Enquiries - Bid Solicitation

- A. All enquiries must be submitted in writing to the Contracting Authority no later than 10 days calendar days before the bid closing date. Enquiries received after that time may not be answered.
- B. 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

- A. Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario
- B. Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.5 Improvement of Requirement During Solicitation Period

- A. Should bidders consider that the specifications or Requirement 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 14 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- A. Canada requests that Bidders provide their bid in separate sections as follows:
- Section I: Technical Bid: 1 soft copy in PDF format by e-mail;
- Section II: Financial Bid: 1 soft copy in PDF format by e-mail;
- Section III: Certifications: 1 soft copy in PDF format by e-mail; and
- Section IV: Additional Information: 1 soft copy in PDF format by e-mail.
- B. Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.
- C. Bidders must demonstrate their compliance with the attachment to Part 4 entitled Evaluation Criteria. of the bid solicitation by providing substantial information describing completely and in detail how the requirement is met or addressed. Bidders must provide with their technical bid, a document indicating clearly where the substantial information for each of the sections identified below can be found

3.2 Section I: Technical Bid

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

3.2.1 Substitutes and Alternatives

- A. Bidders may propose substitutes and alternatives where equivalent is indicated in the Annex entitled Requirement.
- B. Substitutes and alternatives that are equivalent in form, fit, function, quality and performance as detailed in the Annex entitled Requirement, will be considered for acceptance where the Bidder:
- (i) Clearly identifies a substitute and/or an alternative;
 - (ii) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
 - (iii) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
 - (iv) Provides complete specifications and brochures, where applicable;
 - (v) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the Annex entitled Requirement; and
 - (vi) 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.
- C. Substitutes and alternatives offered as equivalent in form, fit, function quality and performance will not be considered for acceptance by the Technical Authority if:
- (i) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the equivalency; or

- (ii) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.

D. Bidders are encouraged to offer or suggest green products whenever possible

3.3 Section II: Financial Bid

A. Bidders must submit their financial bid in accordance with the attachment to Part 4 entitled Pricing Schedule.

3.3.1 Electronic Payment of Invoices - Bid

- A. If you are willing to accept payment of invoices by Electronic Payment Instruments, complete the attachment to Part 3 entitled Electronic Payment Instruments, to identify which ones are accepted.
- B. If the attachment to Part 3 entitled Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.
- C. Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.3.2 Exchange Rate Fluctuation

A. The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.4 Section III: Certifications

A. Bidders must submit the certifications and additional information required under Part 5.

3.5 Section IV: Additional Information

A. In Section IV of their bid, bidders should provide:

- (i) A completed, signed, and dated Page 1 of this solicitation, or final amendment, as applicable;
- (ii) The name of the person(s) and associated contact information (title, mailing address, phone number, and e-mail address) authorized by the Bidder to:
 - (a) Enter into communications with Canada with regards to their bid, and any contract that may result from their bid;
 - (b) Coordinate delivery and follow-up; and
 - (c) Provide after sales service, maintenance, warranty repairs, and a full range of repair parts for the vehicle/equipment offered.

3.5.1 Delivery Date(s)

A. Any delivery date(s) offered will not be included in the evaluation.

3.5.1.1 Firm Goods and/or Services

A. Delivery of the Firm Goods and/or Services is requested on or before 180 days. If a longer delivery period is required, the Bidder must submit the best delivery that could be offered, in the form of either a fixed date or a period of time from contract award. Failure to submit a date or time period will be taken as acceptance of delivery within the requested timeframe.

3.5.2 Warranty Period

3.5.2.1 Manufacturer's Standard Warranty Period

- A. Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the equipment and components that exceeds the minimum warranty period of 12 months or 2,000 hours of usage, whichever comes first. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/subassemblies will form part of the proposed contract.

3.5.2.2 Extended Warranty Period

- A. Canada requests that the Bidder indicate if an extended warranty period is being offered that exceeds the Manufacturer's Standard Warranty Period.
- B. If the Bidder indicates that an extended warranty period is being offered, Canada requests that the Bidder provide details and pricing information of any extended warranty period available for the vehicle/equipment and any ancillary items.
- C. Any extended warranty period offered will not be included in the financial evaluation.

ATTACHMENT 1 TO PART 3 - ELECTRONIC PAYMENT INSTRUMENTS

A. The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- () Direct Deposit (Domestic and International);
- () Electronic Data Interchange (EDI) (International Only); and
- () Wire Transfer (International Only).

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- A. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- B. An evaluation team composed of representatives of Canada and Promaxis Systems Inc will evaluate the bids.
- C. The evaluation team will determine if there are two (2) or more bids with a valid Canadian content certification with the bids coming from two or more Bidders that are not affiliated within the meaning used in the [Competition Act](#), R.S.C., 1985, c. C-34. In that event, only those bids with a valid certification will be eligible to be awarded a contract; otherwise, all bids will be eligible. If at any point in the evaluation process it is found, whether by determination of invalidity of certifications, determination that bids are non-responsive or withdrawal of bids by Bidders, that there are no longer two (2) or more responsive bids with a valid certification, then all responsive bids will be eligible to be awarded a contract. Canada may conduct the validation of Canadian content certifications at any time in the evaluation process including doing so concurrently with other steps.

4.1.1 Technical Evaluation

- A. Mandatory technical evaluation criteria are included in the attachment to Part 4 entitled Evaluation Criteria.

4.1.2 Financial Evaluation

4.1.2.1 Firm Goods and/or Services

- A. The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) destination, Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection - Lowest Evaluated Price, Mandatory Technical Criteria

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

ATTACHMENT 1 TO PART 4 - EVALUATION CRITERIA

See attached document entitled:

“Annex C TECHNICAL EVALUATION MATRIX, BUS HIGHWAY CRUISER” Dated 2022-10-04.

ATTACHMENT 2 TO PART 4 - PRICING SCHEDULE

1. General

- A. Bidders must submit a Firm Unit Price for each Item.
- B. Bidders are requested to complete the following Pricing Schedule and include it in the bid.
- C. All prices and costs must be submitted in Canadian Dollars, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

2. Firm Goods and Services

2.1 Bus Highway Cruiser

- A. The Firm Unit Price(s) include(s) associated specifications, training, and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Quantity Required (A)	Firm Unit Price (B)	Sub-Total (C = A x B)
001	BFC USS Valcartier Section d'équipement majeur BAT 188 (PON COMB) Garnison Valcartier Courcelette QC G0A 4Z0 Training language required: French	1	\$	\$
002	CFB Edmonton ASU Major Equipment Section 195 Ave and Rhine RD Building 236 Room 108 Edmonton, AB T5J 4J5 Training language required: English	1	\$	\$
003	CFB Petawawa Bldg H-110 Petawawa On K8H 2X3 Training language required: English	1	\$	\$
004	735 Passchendaele Rd Petawawa, On, K8H 2X3 Training language required: English and French No Decals (see 3.18.2 a) Paint Accessories/Decals) in Purchase Description	1	\$	\$
Total (D = sum C)				\$

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

5.1 General

- A. Bidders must provide the required certifications and additional information to be awarded a contract.
- B. The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.
- C. The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1.2 Certifications - Contract

- A. Compliance with the certifications 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 or 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.

5.2 Certifications Required with the Bid

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

5.2.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2.2 Canadian Content Definition

- A. A3050T: Canadian Good: A good wholly manufactured or originating in Canada is considered a Canadian good. A product containing imported components may also be considered Canadian for the purpose of this policy when it has undergone sufficient change in Canada, in a manner that satisfies the definition specified under the [Canada-United States-Mexico Agreement \(CUSMA\)](#) Rules of Origin. For the purposes of this determination, the reference in the CUSMA Rules of Origin to "territory of one or more of the Parties" is to be replaced with "Canada".

5.2.3 Canadian Content Certification

- A. This procurement is conditionally limited to Canadian goods.
- B. Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause A3050T, may be considered.
- C. Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

D. The Bidder certifies that:

() a minimum of 80 percent of the total bid price consist of Canadian goods as defined in paragraph 1 of clause A3050T.

Signature of Bidder's Authorized Representative Date

5.3 Certifications Precedent to Contract Award and Additional Information

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

5.3.1 Integrity Provisions - Required Documentation

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

5.3.2 Federal Contractors Program for Employment Equity - Bid Certification

A. 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#)" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

B. 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.

5.3.3 Product Conformance

A. The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of Annex A, Requirement. This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

Signature of Bidder's Authorized Representative Date

5.3.4 Contact information for Contractor's representative and After Sale Service

A. The Bidder is requested to provide the information in Part 6 at 6.5.4 Contractor's Representative and at 6.5.5 After Sales Service.

5.3.5 ISO 9001:2015 Quality Management Systems (Quality Assurance Code Q)

- A. The Bidder certifies that it complies, and will continue to comply throughout the duration of the contract, with all of the requirements of the article in Part 6 entitled ISO 9001:2015 Quality Management Systems (Quality Assurance Code Q).

Signature of Bidder's Authorized Representative

Date

ATTACHMENT 1 to Part 5 - 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-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)

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

- A. There is no security requirement applicable to the Contract.

6.2 Requirement

- A. The Contractor must provide the items detailed under the Requirement at Annex A and the Basis of Payment at Annex B.

6.2.1 Technical Changes, Substitutes, and Alternatives

- A. Any technical changes, substitutes and alternatives proposed by the Contractor must be evaluated for acceptance by the Technical Authority. Any substitutes and alternatives must be equivalent in form, fit, function, quality and performance to what is being replaced and must be at no additional cost to Canada. Substitutes and alternatives that are offered as equivalent will only be acceptable once they are approved by the Technical Authority as an equivalent. A contract amendment will be issued.
- B. Should the Technical Authority not accept the substitute or the alternative and the Contractor is unable to meet the technical requirement, Canada may terminate the contract for default in accordance with the general conditions stated in the contract.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

- A. **2010A** (2022-12-01), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modification:
- (i) Article 01, Interpretation, definition of "Canada", "Crown", "His Majesty" or "the Government", is deleted in its entirety and replaced with the following:
- "Canada", "Crown", "His Majesty" or "the Government"
means His Majesty the King in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.
- (ii) Article 09, Warranty, subsections 1 and 2 are deleted in their entirety and replaced with the following:
1. Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be 12 months or 2,000 hours of usage, whichever comes first, after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.

2. 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.

All other provisions of the warranty section remain in effect.

6.3.2 Existing Technical Publications - Translation

- A. The Contractor grants to Canada a non-exclusive, perpetual, irrevocable and royalty-free license to translate and reproduce for government use all or any part of the technical publications supplied with the equipment delivered under the Contract. Copyright in the translation made by Canada or by independent contractors engaged by Canada will belong to Canada.

6.3.3 Suspension of the work

- A.
 1. The Contracting Authority may at any time, by written notice, order the Contractor to suspend or stop the Work or part of the Work under the Contract for a period of up to 180 days. The Contractor must immediately comply with any such order in a way that minimizes the cost of doing so. While such an order is in effect, the Contractor must not remove any part of the Work from any premises without first obtaining the written consent of the Contracting Authority. Within these 180 days, the Contracting Authority must either cancel the order or terminate the Contract, in whole or in part, under section(s) 23 or 24 of general conditions 2010A
 2. When an order is made under subsection 1, unless the Contracting Authority terminates the Contract by reason of default by the Contractor or the Contractor abandons the Contract, the Contractor will be entitled to be paid its additional costs incurred as a result of the suspension plus a fair and reasonable profit.
 3. When an order made under subsection 1 is cancelled, the Contractor must resume work in accordance with the Contract as soon as practicable. If the suspension has affected the Contractor's ability to meet any delivery date under the Contract, the date for performing the part of the Work affected by the suspension will be extended for a period equal to the period of suspension plus a period, if any, that in the opinion of the Contracting Authority, following consultation with the Contractor, is necessary for the Contractor to resume the Work. Any equitable adjustments will be made as necessary to any affected conditions of the Contract.

6.4 Term of Contract

6.4.1 Delivery Dates

- A. All the deliverables must be received on or before the date(s) specified in Annex B of the Contract.

6.4.2 Delivery Points

- A. Delivery of the requirement must be made to delivery point(s) specified at Annex B of the Contract.
- B. The Contractor must deliver the goods by appointment only. The Contractor is responsible for contacting the Contracting Authority in advance of shipping to obtain the contact information for the delivery point(s). The Contractor or its carrier must arrange delivery appointments by contacting the delivery point(s). The consignee(s) may refuse shipments when prior arrangements have not been made. 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.

6.5 Authorities

6.5.1 Contracting Authority

A. The Contracting Authority for the Contract is:

Name: Dong Le
Position: DLP 5-3-4-2
Address: Department of National Defence Headquarters
101 Colonel By Drive,
Ottawa, Ontario K1A 0K2
E-mail: dong.le@forces.gc.ca

B. The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

A. The Technical Authority for the Contract is:

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Position: _____
Address: Department of National Defence Headquarters
101 Colonel By Drive,
Ottawa, Ontario K1A 0K2
Telephone: _____
E-mail: _____

B. The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority; however, the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Quality Assurance Authority

A. The Quality Assurance Authority for the Contract is:

[Contact information to be detailed in the resulting contract]

Name: _____
Title: _____
Position: _____
Address: Department of National Defence Headquarters
101 Colonel By Drive,
Ottawa, Ontario K1A 0K2
Telephone: _____
E-mail: _____

B. Director Quality Assurance (DQA) is the Quality Assurance Authority of the Department of National Defence. DQA is responsible to monitor the Contractor Quality Management System to provide assurance that the Contractor has the ability to fulfill the quality requirements in the Contract.

6.5.4 Contractor's Representative

[Contact information to be detailed in the resulting contract, to be completed by the Bidder]

Name: _____
Title: _____
Address: _____
Telephone: _____
E-mail: _____

6.5.5 After Sales Service

- A. The following dealer(s) and/or agent(s) is(are) authorized to provide after sales service, maintenance, and warranty repairs; and a full range of repair parts for the vehicle/equipment offered:

[Contact information to be detailed in the resulting contract, to be completed by the Bidder]

Item 001 (Valcartier, Quebec)

Name: _____
Title: _____
Address: _____
Telephone: _____
E-mail: _____

Item 002 (Edmonton, Alberta)

Name: _____
Title: _____
Address: _____
Telephone: _____
E-mail: _____

Item 003, 004 (Petawawa, ON)

Name: _____
Title: _____
Address: _____
Telephone: _____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

6.6.1.1 Firm Unit Price(s)

- A. In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s), as specified in Annex B for a cost of \$[amount to be detailed in the resulting contract]. Customs duties are included and Applicable Taxes are extra.

6.6.2 Limitation of Price

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

6.6.3 Method of Payment

6.6.3.1 Multiple Payments

- A. Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract if:
- (i) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (ii) all such documents have been verified by Canada; and
 - (iii) the Work delivered has been accepted by Canada.

6.6.4 Electronic Payment of Invoices

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

[List to be updated in the resulting contract]

- (i) Direct Deposit (Domestic and International);
- (ii) Electronic Data Interchange (EDI) (International only); and
- (iii) Wire Transfer (International Only).

6.7 Invoicing

6.7.1 Invoicing Instructions

- A. 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.
- B. Each invoice must contain or be supported by the applicable documents:
- (i) The serial number(s), or a copy of the New Vehicle Information Statement (NVIS) containing the Vehicle Identification Number(s) (VIN);
 - (ii) A copy of proof(s) of training
 - (iii) A copy of the release document and any other documents as specified in the Contract;
 - (iv) A description of the Work delivered.
 - (v) A break down of the cost element
- C. Invoices must be distributed as follows:
- (i) The invoice along with any required supporting documentation must be forwarded to the Contracting Authority for certification and payment at:

Email: [email to be detailed in the resulting contract]
 - (ii) By submitting a .pdf copy, the Contractor certifies that the .pdf copy of each invoice will be considered as the original invoice. In addition, the Contractor must indicate the contract number and name of the Contracting Authority in its covering e-mail.

6.7.2 Holdback

- A. A 10% holdback will apply on the total value of any due payment.
 - (i) Items 001, 002, 003, 004 as per Annex B
- B. 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 Applicable Taxes payable as it was claimed and payable under the previous invoice.
- C. Release of the 10% holdback is conditional upon receipt and certified acceptance of all Work under this Contract.
- D. Invoicing instructions for the holdback are as detailed in the clause entitled "Invoicing Instructions".

6.8 Certifications and Additional Information

6.8.1 Compliance

- A. Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.8.2 Canadian Content Certification

- A. The Contractor warrants that the certification of Canadian Content submitted by the Contractor is accurate and complete, and that the goods, services or both to be provided under the Contract are in accordance with the definition contained in SACC Manual clause [A3050T \(http://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A3050T/active\)](http://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A3050T/active).
- B. The Contractor must keep proper records and documentation relating to the origin of the goods, services or both provided to Canada. The Contractor must not, without obtaining before the written consent of the Contracting Authority, dispose of any such records or documentation until the expiration of 6 years after final payment under the Contract, or until settlement of all outstanding claims and disputes under the Contract, whichever is later. All such records and documentation must at all times during the retention period be open to audit, inspection and examination by the representatives of Canada, who may make copies and take extracts. The Contractor must provide all facilities for such audits, inspections and examinations, and must furnish all such information as the representatives of Canada may from time to time require with respect to such records and documentation.
- C. Nothing in this clause must be interpreted as limiting the rights and remedies which Canada may otherwise have pursuant to the Contract.

6.9 Applicable Laws

- A. The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario **for as specified by the bidder in its bid, if applicable**.

6.10 Priority of Documents

- A. 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:
 - (i) The Articles of Agreement;

- (ii) The General Conditions 2010A (2022-12-01), General Conditions - Goods (Medium Complexity);
- (iii) Annex A, Requirement;
- (iv) Annex B, Basis of Payment;
- (v) the Contractor's bid dated [date to be specified in the resulting contract], as clarified on [date to be specified in the resulting contract, if required], and as amended on [date to be specified in the resulting contract, if required].

6.11 Defence Contract

- A. The Contract is a defence contract within the meaning of the Defence Production Act, R.S.C. 1985, c. D-1 (<http://laws-lois.justice.gc.ca/eng/acts/d-1/>), and must be governed accordingly.
- B. Title to the Work or to any materials, parts, work-in-process or finished work must belong to Canada free and clear of all claims, liens, attachments, charges or encumbrances. Canada is entitled, at any time, to remove, sell or dispose of the Work or any part of the Work in accordance with section 20 of the Defence Production Act.

One of the following options will be inserted in the resulting contract, as applicable:

Option 1: When the contract is to be with a Canadian-based supplier; or

6.12 Foreign Nationals (Canadian Contractor)

- A. The Contractor must comply with Canadian immigration requirements applicable to foreign nationals entering Canada to work temporarily in fulfillment of the Contract. If the Contractor wishes to hire a foreign national to work in Canada to fulfill the Contract, the Contractor should immediately contact the nearest Service Canada regional office to enquire about Citizenship and Immigration Canada's requirements to issue a temporary work permit to a foreign national. The Contractor is responsible for all costs incurred as a result of non-compliance with immigration requirements.

Option 2: When the contract is to be with a foreign-based supplier.

6.12 Foreign Nationals (Foreign Contractor)

- A. The Contractor must comply with Canadian immigration legislation applicable to foreign nationals entering Canada to work temporarily in fulfillment of the Contract. If the Contractor wishes to hire a foreign national to work in Canada to fulfill the Contract, the Contractor should immediately contact the nearest Canadian Embassy, Consulate or High Commission in the Contractor's country to obtain instructions, information on Citizenship and Immigration Canada's requirements and any required documents. The Contractor is responsible to ensure that foreign nationals have the required information, documents and authorizations before performing any work under the Contract in Canada. The Contractor is responsible for all costs incurred as a result of non-compliance with immigration requirements.

6.13 Insurance - No Specific Requirement

- A. The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

6.14 Inspection and Acceptance

- A. 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 Requirement

and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.15 Post-Contract Award Meeting

- A. Within 10 days of the date of Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Contracting Authority to review technical and contractual requirements. The Contractor must prepare and distribute the minutes of the meeting within 5 calendar days after the completion of the meeting. The meeting will be held at the Contractor's facility or via teleconference at Canada's discretion at no additional cost to Canada, with representatives of the Contractor and the Department of National Defence.

6.16 ISO 9001:2015 Quality Management Systems - Requirements (Quality Assurance Code Q)

- A. In the performance of the Work described in the Contract, the Contractor must comply with the requirements of *ISO 9001:2015 - Quality management systems - Requirements*, published by the International Organization for Standardization (ISO), current edition at date of submission of Contractor's bid.
- B. It is not intended that the Contractor be registered to ISO 9001; however, the Contractor's quality management system must address all requirements appropriate to the scope of the Work. Only exclusions in accordance with clause 1.2 of ISO 9001 are acceptable.

6.16.1 Assistance for Government Quality Assurance (GQA)

- A. The Contractor must provide the Quality Assurance Representative (QAR) with the accommodation and facilities required for the proper accomplishment of GQA and must provide any assistance required by the QAR for evaluation, verification, validation, documentation or release of product.
- B. The QAR must have the right of access to any area of the Contractor's or subcontractor's facilities where any part of the Work is being performed. The QAR must be afforded unrestricted opportunity to evaluate and verify Contractor conformity with quality system procedures and to validate product conformity with the requirements of the Contract. The Contractor must make available for reasonable use by the QAR the equipment necessary for all validation purposes. Contractor personnel must be made available for operation of such equipment as required.
- C. When the QAR determines that GQA is required at a subcontractor's facilities, the Contractor must provide for this in the purchasing document and forward copies to the QAR, together with relevant technical data as the QAR may request.
- D. The Contractor must notify the QAR of non-conforming product received from a subcontractor when the product has been subject to GQA.
- E. For the design, development or maintenance of software, the Contractor must interpret the requirements of *ISO 9001:2015 "Quality management systems - Requirements"*, according to the guidelines of the latest issue (at contract date) of *ISO/IEC 90003:2014 "Software engineering - Guidelines for the application of ISO 9001:2008 to computer software"*.

One of the following options will be inserted in the resulting contract, as applicable:

Option 1: When the contract is to be with a Canadian-based supplier; or

6.17 Quality assurance authority (Department of National Defence): Canadian-based contractor

- A. All work is subject to Government Quality Assurance performed at the Contractor's or subcontractor's facility, and at the installation site, by the Director of Quality Assurance, or its designated Quality Assurance Representative (QAR):

Director of Quality Assurance (DQA)
National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive, Ottawa, Ontario K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca

- B. Within 48 hours of contract award, the Contractor must contact the QAR. The name, location and phone number of the QAR can be obtained from the nearest National Defence Quality Assurance Region (NDQAR) listed below:
- Atlantic - Halifax: 902-427-7224 or 902-427-7150
Quebec - Montreal: 514-732-4401 or 514-732-4477
Quebec - Quebec City: 418-694-5996
National Capital Region - Ottawa: 819-939-8605 or 819-939-8608
Ontario - Toronto: 416-635-4404, ext. 6081 or 2754
Ontario - London: 519-964-5757
Manitoba/Saskatchewan - Winnipeg: 204-833-2500, ext. 6574
Alberta - Calgary: 403-410-2320, ext. 3830
Alberta - Edmonton: 780-973-4011, ext. 2276
British Columbia - Vancouver: 604-225-2520, ext. 2460
British Columbia - Victoria: 250-363-5662
- C. The Contractor is responsible for performing, or having performed, all inspections and tests necessary to substantiate that the material or services provided conform to the requirements of the Contract.
- D. The Contractor must provide, at no additional cost, all applicable test data, all technical data, test pieces and samples as may reasonably be required by the QAR to verify conformity to the requirements of the Contract. The Contractor must forward at its expense such technical data, test data, test pieces and samples to such location as the QAR may direct.
- E. Quality control, inspection and test records that substantiate conformity to the specified requirements, including records of corrective actions, must be retained by the Contractor for three years from the date of completion or termination of the Contract and must be made available to the QAR upon request.

Option 2: When the contract is to be with a foreign-based supplier.

6.17 Quality Assurance Authority (Department of National Defence): Foreign-based and United States Contractor

- A. All work is subject to Government Quality Assurance performed at the Contractor's or subcontractor's facility, and at the installation site, by the Director of Quality Assurance, or its designated Quality Assurance Representative (QAR).
- Director of Quality Assurance
National Defence Headquarters
Major-General George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca
- B. If the Contractor has not been contacted by the QAR performing GQA in the Contractor's facility or area within 45 working days of award of the Contract, the Contractor must notify the Contracting Authority.
- C. Where no official arrangements for mutual GQA have been concluded, the Department of National Defence will arrange for the GQA services to be conducted by a National Quality Assurance Authority acceptable to the Director of Quality Assurance. If the GQA services must be provided on a cost-recovery basis, the costs for the services must be accrued against the Contract and be discharged through separate invoicing.

- D. The Contractor is responsible for performing, or having performed, all inspections and tests necessary to substantiate that the material or services provided conform to the requirements of the Contract.
- E. The Contractor must provide, at no additional cost, all applicable test data, all technical data, test pieces and samples as may reasonably be required by the QAR to verify conformity to the requirements of the Contract. The Contractor must forward at its expense such technical data, test data, test pieces and samples to such location as the QAR may direct.
- F. Quality control, inspection and test records that substantiate conformity to the specified requirements, including records of corrective actions, must be retained by the Contractor for 3 years from the date of completion or termination of the Contract and must be made available to the QAR upon request.

6.18 Quality Assurance Document

- A. The Contractor must ensure that a packing note and copies of the quality assurance document accompany each shipment. They must be enclosed in a waterproof envelope fastened to the last package of the shipment or inside the last package, which is to be marked to indicate the enclosures. In the case of a carload shipment, they must be fastened to the inside door frame of the railway car.

One of the following options will be inserted in the resulting contract, as applicable:

Option 1: When the contract is to be with a Canadian-based supplier; or

6.19 Release documents (Department of National Defence): Canadian-based contractor

- A. Unless otherwise directed by the Department of National Defence (DND) Quality Assurance Authority, the signature of the DND Quality Assurance Representative on the release document is not required.
- B. Material must be released for shipment using either DND form CF 1280, Certificate of Release, Inspection and Acceptance, or a release document containing the same information. The Contractor must prepare the release document(s).
- C. For return of repair and overhaul material to the Defence Supply Chain, use forms DND 2227/DND 2228 in lieu of DND form CF 1280.

Option 2: When the contract is to be with a United States-based supplier; or

6.19 Release Documents (Department of National Defence): United States-based Contractor

- A. Material must be released for shipment using a DD Form 250, Material Inspection and Receiving Report, or a release document containing the same information and acceptable to the Quality Assurance Representative. The Contractor must prepare the release document(s).

Option 3: When the contract is to be with a foreign-based supplier.

6.19 Release Documents (Department of National Defence): Foreign-based Contractor

- A. Material must be released for shipment using a Certificate of Conformity in accordance with NATO STANAG 4107 which must be prepared by the Contractor.

6.20 Release Documents - Distribution

- A. The Contractor must prepare the release documents in a current electronic format and distribute them as follows:
 - (i) 1 copy mailed to consignee marked: "Attention: Receipts Officer";
 - (ii) 2 copies with shipment (in a waterproof envelope) to the consignee;
 - (iii) 1 copy to the Contracting Authority;

(iv) 1 copy to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, Ontario K1A OK2

Attention: **Contact information to be detailed in the resulting contract**

(v) 1 copy to the Quality Assurance Representative;

(vi) 1 copy to the Contractor; and

(vii) For all non-Canadian contractors, 1 copy to:

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

6.21 Material

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

6.22 Interchangeability

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

6.23 Vehicle Safety

A. Each vehicle supplied pursuant to the Contract must meet the applicable provisions of the [Motor Vehicle Safety Act](#), S.C. 1993, c. 16 (<http://laws-lois.justice.gc.ca/eng/acts/M-10.01/page-1.html>), and the applicable regulations that are in force on the date of its manufacture.

6.24 Recall Notices

A. All recall notices must be forwarded to the Technical Authority identified in this Contract.

6.25 Packaging

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

6.26 Wood packaging materials

A. All wood packaging materials used in shipping must conform to the [International Standards for Phytosanitary Measures No. 15: Regulation of Wood Packaging Material in International Trade \(ISPM 15\)](#) (<https://www.ippc.int/en/core-activities/standards-setting/ispms/>).

B. Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:

- (i) D-98-08 - [Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States](http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993) (<http://www.inspection.gc.ca/plants/plant-protection/directives/forestry/d-98-08/eng/1323963831423/1323964135993>); and
- (ii) D-13-01 - [Canadian Heat Treated Wood Products Certification Program \(HT Program\)](http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967) (<http://www.inspection.gc.ca/plants/forestry/exports/ht-program/eng/1319462565070/1319462677967>).

6.27 Preparation for Delivery

- A. The equipment must be serviced, adjusted and delivered in condition for immediate use. The equipment must be cleaned before leaving the factory and being released to Inspection Authority or consignee personnel at the final delivery point.

6.28 Delivery of Dangerous Goods/Hazardous Products

- A. The Contractor must mark dangerous goods/hazardous products which are classed as dangerous/hazardous as follows:
 - (i) shipping container - in accordance with the [Transportation of Dangerous Goods Act](http://laws-lois.justice.gc.ca/eng/acts/T-19.01/), 1992, c. 34 (<http://laws-lois.justice.gc.ca/eng/acts/T-19.01/>); and
 - (ii) immediate product container - in accordance with the [Hazardous Products Act](http://laws-lois.justice.gc.ca/eng/acts/H-3/), R.S., 1985, c. H-3 (<http://laws-lois.justice.gc.ca/eng/acts/H-3/>).
- B. The Contractor must provide bilingual Safety Data Sheets, indicating the NATO Stock Number as follows:
 - (i) 2 hard copies:
 - (a) 1 copy to be enclosed with the shipment, and
 - (b) 1 copy to be mailed to:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive, Ottawa, Ontario K1A 0K2
Attention: DSCO 5-4-2
 - (ii) 1 copy sent in any electronic format to the following address: MSDS-FS@FORCES.GC.CA.
- C. The Contractor will be responsible for any damages caused by improper packaging, labelling or carriage of dangerous goods/hazardous products.
- D. The Contractor must ensure they adhere to all levels of regulations regarding dangerous goods/hazardous products as set forth by federal, provincial, and municipal laws and by-laws.
- E. The Contractor must contact the consignee (i.e. Supply Depot Traffic Section) at least 48 hours before shipping dangerous goods/hazardous products in order to schedule a receiving time.

6.29 Tools and Loose Equipment

- A. For shipment verification, all items and tools, which are shipped loose with the vehicle must be listed on the Inspection Certificate (CF1280) or on an attached packing note.

6.30 Delivery and Unloading

- A. Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.
- B. When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.
- C. At some sites, the delivery truck must be unloaded while parked at the curb. When material is placed on the sidewalk, it must be placed in proximity to the designated entrance so as to be readily accessible to transport by mechanical handling equipment utilized by site personnel.

6.31 Incomplete Assemblies

- A. The Contractor must not ship incomplete assemblies unless the authorization for such shipment has been obtained from the Contracting Authority.

6.32 Work Site Access

- A. Authorized representatives of Canada must have access to any site where any part of the Work is being carried out at any time during working hours to make examinations and such tests of the Work as they may think fit.

6.33 Canadian Forces Site Regulations

- A. The Contractor must comply with all standing orders or other regulations, instructions, and directives in force on the site where the Work is performed.

6.34 Marking

- A. The Contractor must ensure that the manufacturer's name and part number are clearly stamped or etched on each item for positive identification purposes.

6.35 Labelling

- A. The Contractor must ensure that the manufacturer's and specification numbers appear on each item, either printed on the container or on an adhesive label of highest commercial standard affixed to the container.

6.36 Dispute Resolution Services

- A. The parties understand that the Procurement Ombudsman appointed pursuant to subsection 22.1 (1) of the Department of Public Works and Government Services Act will, on request of a party, provide a proposal for an alternative dispute resolution process to resolve any dispute arising between the parties respecting the interpretation or application of a term or condition of this contract. The parties may consent to participate in the proposed alternative dispute resolution process and to bear the cost of such process. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

ANNEX A - REQUIREMENT

See attached document(s) entitled:

“Purchase Description Bus Highway Cruiser” Dated 2022-10-04.

ANNEX B – BASIS OF PAYMENT

1. General

A. All prices and costs are in Canadian Dollars, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

2. Firm Goods and/or Services

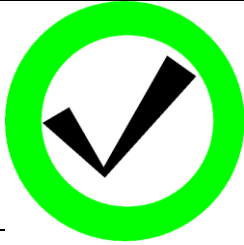
2.1 Bus Highway Cruiser

A. The Firm Unit Price(s) include(s) associated specifications, training, and deliverables as per Annex A, Requirement, Delivered Duty Paid (DDP) specified Delivery Point, Incoterms 2010:

Item	Delivery Point	Delivery Date	Quantity Required	Make/Model	Firm Unit Price
001	BFC USS Valcartier Section d'équipement majeur BAT 188 (PON COMB) Garnison Valcartier Courcellette QC G0A 4Z0 Training language required: French	[Date to be detailed in the resulting contract]	1	To be added in the resulting contract	[\$Cost to be detailed in the resulting contract]
002	CFB Edmonton ASU Major Equipment Section 195 Ave and Rhine RD Building 236 Room 108 Edmonton, AB T5J 4J5 Training language required: English	[Date to be detailed in the resulting contract]	1	To be added in the resulting contract	[\$Cost to be detailed in the resulting contract]
003	CFB Petawawa Bldg H-110 Petawawa On K8H 2X3 Training language required: English	[Date to be detailed in the resulting contract]	1	To be added in the resulting contract	[\$Cost to be detailed in the resulting contract]
004	Petawawa 735 Passchendaele Rd Petawawa, On, K8H 2X3 Training language required: English and French No Decals (see 3.18.2 a) Paint Accessories/Decals) in Purchase Description	[Date to be detailed in the resulting contract]	1	To be added in the resulting contract	[\$Cost to be detailed in the resulting contract]

3. Extended Warranty Period

A. If the warranty period is extended for an additional period of [To be added in the resulting contract] months/calendar days, the Contractor will be paid a firm unit price of [Cost to be detailed in the resulting contract] per vehicle/equipment, Applicable Taxes are extra.



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

1. **SCOPE**

1.1 **Scope** - This Purchase Description covers a bus, highway cruiser, rear engine driven, motor coach. The bus will be used for inter-city and across provinces transportation on dirt roads, paved road and highways.

1.2 **Instructions** - The following instruction apply to this Purchase Description.

- (a) Requirements, which are identified by the word "**must**", are mandatory. Deviations will not be permitted;
- (b) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (c) Where "**must**" or "will" are not used, the information supplied is for guidance only;
- (d) Where a standard is specified and the Contractor has offered an **Equivalent**, that **Equivalent** standard **must** be supplied by the Contractor;
- (e) Where a technical certification is referred to in this Purchase Description, a copy of the certification or an acceptable Proof of Compliance **must** be supplied, when requested by the **Technical Authority** up until the date of the expiration of the warranty period.
- (f) While the SI system **must** be used as the primary system of measurement to define requirements of this Purchase Description, both the SI system and the standard system for this product may be indicated. Conversion from one system of measurement to the other may not be exact; and
- (g) Dimensions stated as nominal **must** 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**

- (a) "**Provided**" means "provided and installed";
- (b) "**Technical Authority**" means the official responsible for the technical content of this requirement;
- (c) "**Equivalent**" means a standard, means, or component type, which the **Technical Authority** has approved for this requirement, in

OPI DSVPM 4 - DAVPS 4

Issued on Authority of the Chief of the Defence Staff

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



RDIMS # 4451448



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writing, as meeting the specified requirements for fit, form, function and performance;

- (d) "**Commercially Equipped**" means that the vehicle is provided in its standard commercial configuration with no additional government-specific requirements;
- (e) "**Curb Weight**" (*CW*) means the weight of the fully equipped vehicle. The curb weight includes the cab and chassis, all attached accessories, equipment, fuel, lubricant and coolants. The **Curb Weight** does not include the **Payload**, the weight of the driver/passenger(s) or their personal kit and equipment; and
- (f) "**Gross Vehicle Weight Rating**" (*GVWR*) means the maximum operating weight of the vehicle as stated by the manufacturer.



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

SAE Standards

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

Motor Vehicle Safety Act (MVSA)

Government of Canada / Transport Canada,
[Motor Vehicle Safety Act \(1993, c. 16\) \(canada.ca\)](#)



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3. REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling this type and size class of vehicle for at least three (3) years;
- (b) The vehicle **must** include all components, equipment and accessories normally supplied for this application, although they may be not specifically described in this Purchase Description;
- (c) The vehicle **must** have engineering certification available for this application from the original manufacturers of major equipment, systems and assemblies;
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessarily limited to manufacturing, health and safety, noise levels, environment and emissions; and
- (e) The vehicle and accessories **must** operate in accordance with all original equipment manufacturers' (OEM) rated capacities and performance specifications.

3.2 Operating Conditions

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

3.2.2 Terrain - The vehicle **must** operate in all-weather conditions on highways, secondary roads, gravel roads, and off-road (e.g. construction sites, open fields and dirt tracks).

3.3 Vehicle Safety Regulations - The vehicle **must** meet the provisions of the Canada Motor Vehicle Safety Act.

3.3.1 Human Engineering and Safety

- (a) All systems and components **must** be safe and easy to use by a 5-95th percentile male or female;
- (b) Entry and exit points **must** be equipped with handles and steps suitably positioned where required, to accommodate a 5-95th percentile male or female under all operating conditions; and
- (c) Safety features such as warning and instructions plates, non-slip surfaces and heat shields **must** be provided where required.

3.4 Vehicle - The vehicle **must** be a highway cruiser bus.

3.4.1 Vehicle Performance

- (a) The vehicle **must** have a road speed of at least 105 km/h when operating fully loaded on a flat level road; and
- (b) The vehicle **must** have gradability at 90 km/h of at least 1.2 % when operating fully loaded; and
- (c) The vehicle **must** have a gross engine horsepower of at least 400 HP;



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3.4.2 Payload

- (a) The vehicle **must** transport at least 55-seated adult passengers;
- (b) The vehicle **must** have a payload capacity of at least 95 kg for the vehicle driver;
- (c) The vehicle **must** have a payload capacity of at least 95 kg per passenger transported; and
- (d) The vehicle payload **must** have a capacity of 30 kg per passenger for luggage per passenger (when the vehicle has a storage compartment).

3.4.3 Weight Rating - The bus **must** have a Gross Vehicle Weight Rating (GVWR) of at least 22,680 kg (50,000 lbs)

3.4.4 Dimensions

- (a) The vehicle **must** have an exterior length of at least 13,700 mm (45 feet);
- (b) The vehicle **must** have an exterior width of at least 2,435 mm (96 inches) but no more than 2,590 mm (102 inches);
- (c) The vehicle **must** have a height of no more than 4,150 mm (163 inches); and
- (d) The vehicle **must** have an interior headroom height at the interior centreline of at least 1,905 mm (75 inches).

3.5 Standard Vehicle

(a) Body Type - The vehicle **must** be at least 55-passenger highway cruiser with forward facing seats;

(b) Vehicle Features

i Windows

- 1. The vehicle **must** be provided with a tinted windshield;
- 2. The vehicle **must** have a side window in the driver's area;
- 3. The driver's side window **must** open;
- 4. All windows **must** be tinted thermo-panes safety glass (AS);
- 5. The passenger area **must** be provided with panoramic windows with window blinds;
- 6. Windows **must** be rubber mounted or **Equivalent** with a hinge on the top edge;
- 7. All emergency exit windows **must** be clearly labelled push out emergency exit windows;
- 8. Release bars **must** release the lower edge of the windows for opening; and
- 9. Instructions for their use **must** be provided on all emergency exit windows.

ii Fans



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1. The vehicle **must** have two (2) adjustable fans to augment the windshield defrost system;
2. One fan **must** be located in the upper left hand corner of the windshield and the other located at the bottom of the windshield in the centre; and
3. Fans **must** be provided with blade guards.

iii Windshield Wipers

1. The vehicle **must** be provided with windshield wipers with at least two (2) continuous speeds and one (1) intermittent speed; and
2. The windshield wipers **must** be provided with arctic wiper blades.

iv The vehicle **must** be provided with two rotating and pivoting interior sun visors;

v Sunscreens

1. The vehicle **must** be provided with three (3) roll-down sunscreens;
2. Each half of the windshield **must** be provided with one sunscreen;
3. The driver's side window **must** be provided with one sunscreen; and
4. The windshield sunscreens **must** be electrically actuated.

vi Passenger Door

1. The vehicle **must** be provided with a passenger access door on the right hand side in front of the front axle;
2. The passenger access door **must** be provided with thermal pane AS-2 safety glass windows on the upper half of the door;
3. The passenger access door **must** be air or electrically actuated with the control accessible by a seated driver;
4. The passenger access door **must** be provided with a keyed lock;
5. The seated driver **must** be provided with a momentary switch in the right hand switch panel for door control;
6. The vehicle **must** be provided with a flush mounted external door control beside the passenger access door;
7. The passenger access door **must** be provided with an air operated latch system, which automatically actuates when the door is in a closed position; and



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8. The drivers control and the external lock **must** override the air latch when activated.

vii **Escape Hatch**

1. The passenger area **must** be provided with at least two (2) roof-mounted emergency escape hatch; and
2. The escape hatch **must** have an opening that is at least 560 mm square.

viii **Floors**

1. The vehicle **must** be provided with non-slip rubber floors and toe boards; and
2. The floor covering for the floor and steps **must** be **Equivalent** to Altro - Storm Grey.

ix The driver's area **must** be provided with an interior light with a control switch;

x The driver's area **must** be provided with a coat hook;

xi **Stepwell**

1. The vehicle **must** be provided with a heated stepwell;
2. The material chosen for the stepwell construction **must** be compatible with the surrounding body structure;
3. The stepwell **must** be insulated to reduce heat loss and sound transfer;
4. The stepwell **must** provide with a positive seal where door contacts the stepwell to prevent intrusion of water, dirt, wind, etc;
5. The stepwell **must** be provided with a stainless steel or polyurethane tube handrails with knuckle clearances, on both sides of the entrance and horizontally on top of the dash; and
6. The steps **must** be provided with ribbed step treads with a white leading edge.

xii **Service Doors**

1. The vehicle **must** be provided with service doors for the spare tire, condenser compartment, fuel tank filler access and the battery compartment; and
2. The service doors **must** be provided with electronic or manual locking devices.

xiii **Parcel Racks**

1. The passenger area **must** be provided with overhead parcel racks;
2. The parcel racks **must** be provided with integral handrails strong enough to serve as a standee support;

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3. The handrails **must** extend the full length of the parcel racks on both sides; and
4. The front corner of the parcel racks **must** be rounded or have an **Equivalent** feature for passenger safety.

xiv Divider

1. The vehicle **must** be provided with a divider located behind the driver's seat; and
2. The divider **must** not interfere with the front passenger seat clearance.

xv The vehicle **must** be provided with a white standee line at the front of the passenger area;

xvi The vehicle **must** be provided with violation decals above the passenger access door and on the driver's air conditioning panel;

xvii The vehicle **must** be provided with fabric covered walls;

xviii The vehicle **must** be provided with a ceiling covered with fabric or vinyl clad aluminum material;

xix The fabric/colours used **must** be colour-coordinated with the seating;

xx The vehicle **must** be provided with fiberglass-reinforced plastic panelling on the rear enclosure panel and on the passenger area side of the lavatory walls and door;

xxi The vehicle **must** be provided with stainless steel or **Equivalent** or fiberglass reinforced plastic longitudinal air ducts;

xxii The vehicle **must** be provided with fiberglass-reinforced plastic panelling or **Equivalent** at the upper portion of the passenger access door and to the left of the driver's area below the driver's left hand console;

xxiii The vehicle **must** be provided with painted louvered aluminum or an **Equivalent** covering the driver's evaporator assembly to the driver's right; and

xxiv The vehicle **must** be provided with horn(s) protected from snow clogging.

(c) Vehicle Body Structure

i The vehicle **must** have fluted outside side panels fabricated from steel or **Equivalent**;

ii The vehicle **must** be provided with a light-weight engine compartment door equipped with acoustical panels to reduce engine noise;

iii The vehicle **must** be provided with roof sheets extending from the top of the windows on one side to the top of the windows on the opposite side;

iv The roof sheets **must** have drip lips over all windows;

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- v The vehicle **must** be provided with a removable inner panels to allow access to the roof cap area;
- vi The vehicle **must** be provided with left and right removable mouldings to allow access to body wiring harnesses;
- vii The vehicle **must** be provided with inside side panels extending from the window sill down to the floor gusset seat ledge for the entire body length on both sides;
- viii The vehicle **must** be provided with head liner panels spanning the width of the vehicle from window header to window header; and
- ix The vehicle **must** be provided with at least 12 mm plywood flooring with a continuous sound resistant barrier.

(d) Vehicle Insulation

- i The vehicle **must** be provided with insulation with an insulation value of at least R5 over all interior surfaces (except windows and doors);
- ii The vehicle **must** be provided with acoustic insulation to maintain an interior noise level of no greater than 82 dB(A) while the vehicle is travelling at 100 km/h on a level paved road;
- iii The vehicle **must** be provided with walls, ceiling and floor with a chemical and flame resistant insulation; and
- iv The vehicle **must** be provided an insulated bulkhead to separate the engine and interior passenger compartment to minimize vibration and noise.

(e) Heating, Ventilation and Air Conditioning

- i The vehicle **must** be provided with a forced air heating, ventilation and air conditioning system;
- ii The driver's area **must** be heated with the heating system provided by the manufacturer of the vehicle chassis;
- iii The heating system **must** use the vehicle engine coolant to provide a heating capacity suitable for the vehicle;
- iv The system **must** include a circulation pump, insulated coolant lines and shut-off valves (for engine or system maintenance);
- v The passenger heating system **must** leave the aisle clear of obstructions;
- vi The passenger heating system **must** allow the use of the area under the seat in front of them as space for their feet;
- vii The passenger heating system **must** be provided with an auxiliary fuel-fired forced-air heating system, which can operate when the engine is shut-down;



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- viii The heater **must** have a capacity suitable for the vehicle of at least 100,000-Btu;
- ix The auxiliary heater **must** have a capacity of at least 42,000-Btu;
- x The system **must** be provided with a control switch and temperature control;
- xi The vehicle **must** be provided with an air conditioning system; and
- xii The heating and air conditioning system **must** have a capacity of at least 118,000-Btu/hour in the passenger area, and at least 24,000-Btu/hour for the driver's area.

(f) **Driver's Seat**

- i The vehicle **must** be provided with a six way high-back medium to dark coloured upholstered driver seat with lumbar support;
- ii The seat **must** be provided with pivoting arm rests;
- iii The seat **must** be air suspended;
- iv The seat **must** be push button controlled using air from the vehicle air system; and
- v The seat **must** be provided with a retractable shoulder/lap belt assembly.

(g) **Passenger Seating**

- i Passengers **must** be provided with medium to dark upholstered forward facing seats;
- ii Passenger seats **must** be high back style with headrests with full lumbar support;
- iii Passenger seats **must** be provided with wall side armrest or **Equivalent** and pivoting aisle armrests;
- iv Wall armrests **must** be provided which may be fixed or pivoting;
- v Passenger seats **must** have a nominal width of at least 900 mm (35 inches);
- vi Passenger seats **must** be at least 1,092 mm(43 inches) high from the floor to the top of a lowered headrest;
- vii Passenger seating **must** be installed with a centre distance of at least 753 mm(29.5 inches);
- viii Rear cross seats **must** recline a distance of at least 76 mm(3 inch);
- ix Passenger seats **must** be provided with a 4 position reclining mechanism, with up to 178 mm (7 inch) of recline capability, with the exception of passenger seats immediately forward for the lavatory;
- x Passenger seats **must** be provided with retracting footrests;



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- xi Passenger seats **must** be provided with aircraft type folding tray tables or **Equivalent**;
- xii Rear passenger seats may be mounted to the rear vehicle shelf;
- xiii All other passenger seats **must** be mounted on a centre T-type pedestal;
- xiv The seats **must** be provided with stainless steel floor track and an aluminum wall track for mounting;
- xv Tracks **must** be permanently affixed to the floor and the wall;
- xvi The seats **must** be mounted to the floor and wall tracks using high tensile strength T-bolts or **Equivalent**;
- xvii Each set of two seats **must** be individually adjustable;
- xviii The passenger seating **must** be provided with aisle side grab rails;
- xix Seats **must** be provided with a retractable shoulder/lap belt assembly; and
- xx Mesh magazine pockets **must** be provided on the back of each seat.

(h) **Mirrors**

- i The vehicle **must** be provided with two (2) mirrors with flat section having an area of at least 60,000 mm² each;
- ii Each mirror **must** be provided with a convex mirror section, with an area of at least 15,000 mm²;
- iii Mirror glass **must** be replaceable;
- iv Both mirrors **must** be motorized and adjustable from within the cab; and
- v **Mirror Heating**
 - 1. Mirrors **must** be provided with heating systems;
 - 2. Mirror heating **must** be activated by an in-cab control; and
 - 3. Heating elements **must** be replaceable.
- vi The driver's compartment **must** be provided with one interior, adjustable, rear view mirror positioned to allow the driver full view of the interior of the passenger compartment.

(i) **Backup Camera**

- i The vehicle **must** be provided with a backup camera;
- ii The camera **must** be equipped with a camera mounted at the rear of the vehicle to allow visibility when the bus is being backed up;
- iii The camera **must** be positioned to provide optimal visibility; and



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iv A coloured monitor **must** be provided in the driver's area and positioned within easy view of the driver.

(j) Destination Sign

i The vehicle **must** be provided with a front mounted digital display;

ii The destination sign **must** be illuminated, if required, and glass enclosed;

iii The destination sign **must** be preprogrammed with the name of the destination of initial delivery; and

iv The destination sign **must** be programmable to display up to at least 6 different locations.

(k) Under Body Luggage Compartments

i The vehicle **must** be provided with pass through under body luggage compartments accessible from both sides of the bus;

ii The under body luggage compartment **must** have an usable volume of at least 11 m³(400-ft³);

iii Compartment Doors

1. The under body compartment **must** be provided with doors capable of swinging upwards at least 135° to the fully open position;

2. The doors **must** be provided with weather-proof seals;

3. The doors **must** have electric or air operated locks; and

4. The doors **must** be provided with gas struts or an **Equivalent** to hold the doors in the fully open position.

iv Compartment coating

1. The under body compartment **must** be sprayed with Line-X; and

2. The floor of the underbody luggage compartments **must** be covered with a durable perforated vinyl mat **Equivalent** to a Dry-Dek® vinyl floor mat.

(l) Rest Room

i The vehicle **must** be provided with a rest room;

ii The rest room **must** be provided with a forced air ventilation system;

iii The rest room **must** be provided with a chemical toilet;

iv The rest room **must** be provided with a towelette dispenser or **Equivalent** for hand sanitizing;



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- vi The rest room **must** be provided with holding tanks for wash water and chemical flushing agent;
- vii The rest room **must** be provided with a holding tank for all used liquids;
- viii The rest room **must** be provided with required plumbing; and
- ix The rest room **must** be provided with heaters for all tanks to prevent freezing.

(m) **Audio/Video System**

- i The vehicle **must** be provided with an AM/FM radio with a CD/DVD player with USB and Aux. port with public address system;
- ii All controls **must** be in the driver's area;

iii **Radio**

1. The radio **must** be equipped with a volume control for the speakers in the passenger area; and
2. The radio **must** turn off automatically when the vehicle is turned off.

- iv In addition to the chassis manufacturer's standard speakers, the passenger area **must** be provided with one (1) additional speaker above each set of 2 or 3 seats;

v **Public Address System**

1. The vehicle **must** be provided with a public address system which utilizes all passenger compartment speakers;
2. The public address system **must** be provided with separate volume and tone controls; and
3. The public address system **must** be provided with a push button controlled microphone with cable.

- vi The vehicle **must** be provided with a DVD player;
- vii The vehicle **must** be provided with at least six (6) 380 mm colour LCD wide-screen HD monitors (three on each side), suitably located below the parcel rack;
- viii The vehicle **must** be provided with WI-FI system; and
- ix The vehicle **must** be provided with 110 v outlets with USB with an inverter(s) of at least 3000w.

3.6 **Chassis** - The chassis **must** be reinforced at towing points and equipment mounting points.

3.6.1 **Suspension**

- (a) The vehicle **must** be provided with an eight (8) bag air suspension system;
- (b) The suspension **must** have two(2) air bags for the front axle, four(4) air bags for the driven axle and two(2) air bags for the tag axle;



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- (c) The suspension system **must** be provided with an immediate response automatic height control valves;
- (d) The air suspension system **must** be provided with a manual control dump valve;
- (e) The dump valve **must** evacuate air from the suspension system;
- (f) The dump valve control **must** be accessible to a seated driver;
- (g) The suspension system **must** balance pressures between the drive axle and the tag axle;
- (h) The suspension system **must** include a damping feature in the height control valves to prevent rapid cycling;
- (i) The suspension system **must** have a manual discharge valve for tire changing;
- (j) The air suspension system **must** have systems to raise the rear of the vehicle and to lower the front axle;
- (k) The air suspension system **must** have a system to raise or lower the pressure in the tag axle;
- (l) The suspension system **must** be provided with shock absorbers at all wheel stations;
- (m) Shock absorbers **must** be interchangeable.

3.7 Engine - The vehicle **must** be provided with a diesel engine.

3.7.1 Engine Components

- (a) Air Filter
 - i The engine **must** be provided with an air filter;
 - ii The air filter **must** be a replaceable dry-type; and
 - iii The filter **must** be provided with a filter restriction gauge;
- (b) The engine **must** be provided with an engine coolant suitable for temperatures down to -40 degrees;
- (c) The engine **must** be provided with an exhaust system that directs the exhaust away from the vehicle;
- (d) The cooling system **must** be provided with a thermostatic fan or **Equivalent**;
- (e) The engine **must** be provided with a three-stage engine compression brake;
- (f) The engine controls **must** be provided with an engine speed limiter, which can be adjusted by a dealer;
- (g) Engine Fire Suppression System
 - i The vehicle **must** be provided with a fire suppression system;
 - ii The fire suppression system **must** be protect the engine compartment;
 - iii The fire suppression system **must** automatically actuate when fire is detected in the engine compartment.



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3.7.2 Fuel system

- (a) The fuel system **must** have a total capacity of at least 681 litres (180 US gals); and
- (b) The fuel tank filler cap **must** be marked to identify the vehicle fuel.

3.7.3 Engine Cold Weather Aids

- (a) The engine **must** be provided with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -40° C. The engine starting aids may include but are not limited to: glow plug(s) and intake air grid heater;
- (b) The engine **must** be provided with 110-Volt engine block heaters with a capacity as recommended by the engine manufacturer or conforming to SAE J1310;
- (c) The battery **must** be provided with a 110-volt battery blanket or **Equivalent**; and
- (d) The engine **must** be provided with a heated fuel filter/water separator to preheat diesel fuel prior to starting.

3.8 Vehicle Driveline

3.8.1 Automatic Transmission

- (a) The bus **must** be provided with an electronically controlled automatic transmission.
- (b) The transmission **must** have at least six (6) forward speeds and one reverse speed; and
- (c) The transmission **must** be provided with a neutral start safety switch.

3.8.2 Axles

- (a) The vehicle **must** be provided with a fully locking differential or an automatic traction control on the driven axle;
- (b) The front axle **must** be equipped with kneeling feature and a capacity of at least 7,250 kg (15,984 lbs);
- (c) Rear axle combination **must** be a single rear axle with tag axle;
- (d) A single rear drive axle **must** have a capacity of at least 10,000 kg (22,046 lbs); and
- (e) The tag axle **must** have a capacity of at least 6,350 kg (14,000 lbs) with the appropriate spacing to the single rear drive axle.

3.9 Brake System

- (a) The vehicle **must** be provided with full air actuated service brakes and spring actuated parking brakes;
- (b) The brake system **must** be provided with a 6-channel anti-lock brake system (ABS);
- (c) The brake system **must** be provided with air disc brakes on all axles with automatic slack adjusters;



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- (d) The brake system **must** be provided with an air compressor with a capacity of at least 0.51 cubic metres per minute;
- (e) The brake system **must** be provided with a wet air reservoir capable of being recharged using a quick connect fitting for the connection of an air-line;
- (f) The air reservoir **must** be provided with a pull type drain that is accessible from beside the vehicle;
- (g) The brake system **must** be provided with an automatic air dryer with a heated dump valve;
- (h) The brake system **must** be provided with dust shields on each wheel station; and
- (i) The brake system **must** be provided with emergency brake chambers on the drive axle.

3.10 Steering

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

3.11 Wheels and Tires

- (a) The vehicle **must** be provided with steel-belted, tubeless radial tires;
- (b) All axles **must** be provided with highway tires;
- (c) The tread pattern **must** be **Equivalent** to Michelin XZA-2;
- (d) The tires **must** be mounted on polished aluminum wheels;
- (e) Loose wheel nut indicators **must** be provided;
- (f) The wheel nut indication system **must** be **Equivalent** to SAFE-T-LOC;
- (g) The wheel assemblies **must** have a capacity equal or greater than the load applied, at the top vehicle speed (paragraph 3.4 (a));
- (h) All wheel and tire assemblies **must** be interchangeable;
- (i) The wheel assemblies **must** be assembled in accordance to the tire and rim manufacturer's specifications; and
- (j) Spare Wheel Assembly with Storage
 - i The vehicle **must** be provided with a spare tire wheel assembly compartment with roller mechanism; and
 - ii A dedicated and secure storage location for the wheel assembly **must** be provided behind the front bumper.

3.12 Controls

- (a) The vehicle **must** be provided with cruise control system, which includes a fast idle feature;
- (b) The transmission **must** be prevented from shifting into gear while the fast idle is engaged;



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- (c) The fast idle system **must** be prevented from engaging when the when the transmission is in gear; and
- (d) Engine Compartment Controls
 - i The vehicle **must** be provided with engine start and stop controls in the engine compartment; and
 - ii The controls in the engine compartment **must** include a switch that allows or prevents the bus being started from the driver's station.

3.13 Instruments

- (a) All dash board gauges and readouts **must** be in metric units;
- (b) The vehicle **must** be provided with a warning light for fire or excessive heat in the engine compartment;
- (c) The vehicle **must** be provided with a warning light for fire suppression system actuation; and
- (d) Global Positioning System
 - i The vehicle **must** be provided with a Global Positioning System (GPS);
 - ii The GPS **must** be programmed to develop a route for a trip between two points; and
 - iii The GPS **must** have a monitor in the driver's compartment.

3.14 Electrical System

- (a) The electrical system **must** be provided with an alternator with an output of at least 240 amperes;
- (b) The electrical system **must** be provided with maintenance-free batteries with a combined rating at least 1,850 cold cranking amperes (CCA);
- (c) The electrical system **must** be provided with a master disconnect switch;
- (d) All electrical circuits **must** be protected with fuses, relays or circuit breakers;
- (e) The wiring **must** be protected by insulating grommets where passing through metal;
- (f) The vehicle **must** be provided with two (2) knockouts for additional switches on the dashboard;
- (g) The electrical system **must** be provided with a backup alarm to alert personnel that the vehicle is in backup mode;
- (h) The vehicle **must** be provided with a 12-VDC power outlet at the driver's station;
- (i) Slave Receptacle
 - i The vehicle **must** be provided with a slave receptacle as close as possible to the battery compartment; and
 - ii The slave receptacle **must** be **Equivalent** to Grote Part number 84-9279.



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- (j) The vehicle **must** be provided with manual reset thermal circuit breakers;
- (k) **Junction Box**
 - i The vehicle **must** be provided with a junction box with a 105-ampere breaker for 24-volt power; and
 - ii The junction box **must** be located on the front roadside exterior of the vehicle below the driver's window.
- (l) The vehicle **must** be provided with color-coded wiring with number coding;
- (m) Wiring through holes in the vehicle **must** be protected with rubber grommets;
- (n) The vehicle **must** be provided with a 110-volt outlet;
- (o) The vehicle **must** be provided with a Wi-Fi router; and
- (p) The vehicle **must** be provided with a USB port in the driver's compartment.

3.15 **Lighting**

- (a) The vehicle **must** include integral LED body lighting;
- (b) The lighting system **must** be provided with halogen headlights or LED lights;
- (c) The lighting system **must** be provided with clearance lights, stoplights, turn signal lights, taillights and reverse movement lights;
- (d) **Stoplight**
 - i The vehicle **must** be provided with stoplight;
 - ii The stoplight **must** be mounted at the rear of the bus centre and at least at eye level;
- (e) The vehicle **must** be provided with an engine compartment light;
- (f) The vehicle **must** be provided with fog lights;
- (g) **Stepwell Lights**
 - i The vehicle **must** be provided with a protected step well light mounted in the right hand front part of the step well; and
 - ii The light **must** be energized when any door is opened or the interior lights are energized.
- (h) **Ceiling Lights**
 - i The vehicle **must** be provided with one light in the ceiling over the stepwell and one light on the passenger side of the passenger access door;
 - ii The vehicle **must** be provided with at least five (5) flush mounted, centre aisle, ceiling lamps with switches located on the dashboard; and
 - iii The ceiling lamps **must** be located to minimize driver glare.



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- (i) The vehicle **must** be provided with a reading map light switch installed on dash and accessible to the driver;
- (j) Baggage Compartment Lights
 - i The vehicle **must** be provided with under-body luggage compartment lights; and
 - ii The lights **must** be activated through pin switches when the doors are opened, or by an illuminated master light switch located in the driver's compartment.
- (k) The dashboard **must** be provided with a dimmer control to adjust the instrument panel lighting;
- (l) The vehicle **must** be provided with a light mounted in a recessed ceiling fixture above the driver's seat;
- (m) The driver's seat light **must** be controlled from the driver's right-hand switch panel;
- (n) Passenger Lighting
 - i The vehicle **must** be provided with a passenger lighting three positions switch;
 - ii With the switch in the "OFF" position all lights **must** be off;
 - iii With the switch in the "LIGHTS" position the lights above the overhead luggage rack **must** be on; and
 - iv With the switch in the "COACH" position the lights above the windows and the aisle lights **must** be on.
- (o) Passenger Reading Lights
 - i The vehicle **must** be provided with individually controlled light provided at each seat except the rear cross-seat;
 - ii The lights **must** be mounted in ball sockets or **Equivalent**; and
 - iii The reading light circuit **must** be energized when the vehicle is operating.
- (p) Toilet Lights
 - i The vehicle **must** be provided with a dome light in the toilet and include one 24-volt night-light;
 - ii The dome light **must** be activated when the toilet door is closed and locked from the inside or **Equivalent**; and
 - iii The vehicle **must** be provided with a lighted sign "WASHROOM OCCUPIED" on the forward compartment partition which is activated when the lavatory door is closed and locked from the inside or **Equivalent**.
- (q) The vehicle **must** be provided with a low output night lights.

3.16 Hydraulic System - NOT APPLICABLE

3.17 Lubricants and Hydraulic Fluids

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

3.18 **Paint Colour** - The vehicle **must** be painted in the required colour as identified in the contract.

3.18.1 **Corrosion Protection** - An approved aftermarket rust protection system **must** be supplied. Rust protection systems that have been approved include Krown Rust Kontrol, Rust Check or an **Equivalent**.

3.18.2 **Paint Accessories**

- (a) **Decals** - The vehicle **must** have decals provided in accordance with those shown in FIGURE 1 - LOCATION OF DECALS.

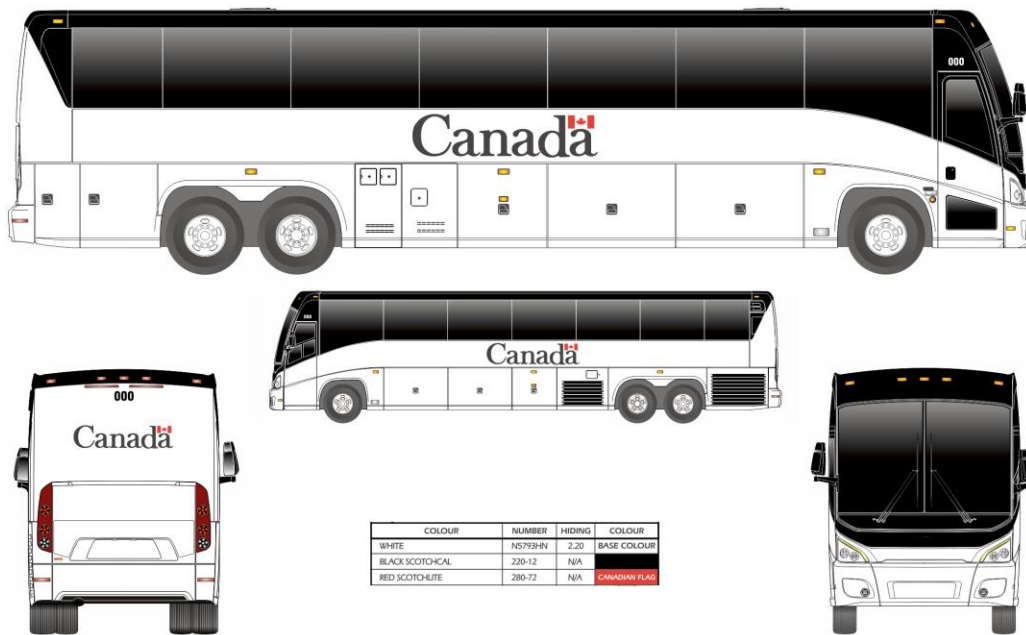


FIGURE 1 - LOCATION OF DECALS

This figure is only a visual representation of the decals and their position.

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

3.19.1 **Warning and Instruction Plates**

- (a) The vehicle **must** be provided with warning and operation instruction plates in accordance SAE J115;
- (b) The plates **must** be visible to a person standing near the location; and



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- (c) The plates **must** use graphic symbols, as defined in SAE J1362 or be written in the two (2) official languages (English and French).

3.20 Equipment

(a) Wheel Changing Tools

i Jack

1. The vehicle **must** be provided with a heavy-duty hydraulic jack complete with a jack handle;
2. The jack **must** have a capacity of at least 10,800 kg; and
3. The jack **must** be designed to suit the vehicle lifting locations.

ii Load Distribution Plates

1. The vehicle **must** be provided with load distribution plates which are at least 300 mm square; and
2. The load distribution pads **must** be fabricated from a lightweight material such as wood or aluminum.

(b) Tow Hooks

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

(c) Fenders and Splash Guards

i Fenders

1. The vehicle **must** be provided with one piece fenders for all wheel stations; and
2. The fenders **must** be moulded using fibreglass or and **Equivalent** material.

- ii The vehicle **must** be provided with splash guards for front and rear wheel wells.

(d) License Plate Holders

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

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

(f) Emergency Equipment

- i The vehicle **must** be provided with one (1) 10 unit First Aid kit, stowed near the driver's seat;



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- ii The vehicle **must** be provided with three (3) triangular emergency warning signs complete with storage container;
 - iii The vehicle **must** be provided with at least 3 signal flares, stored in a container;
 - iv The vehicle **must** be provided with one (1) fireman's axe, securely mounted and readily accessible in the proximity of the driver; and
 - v The vehicle **must** be provided with two (2) 2.27 kg dry chemical type fire extinguisher, securely mounted and under the first row curb side passenger seat, each with a minimum 5BC rating; and
- (g) **Bumpers** - The vehicle **must** be provided with the manufacturer's front and rear bumpers.

3.21 **Vehicle Delivery Condition**

- (a) The vehicle **must** be delivered to destination in a fully operational condition (serviced and adjusted);
- (b) The vehicle **must** be completely cleaned;
- (c) For shipment verification, items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose, **must** be listed on the shipping certificate or to an attached packing note;
- (d) The vehicle fuel tank(s) **must** be at least half full on delivery; and
- (e) Lubricants in the vehicle at time of delivery **must** be suitable for the destination and the season of delivery.



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4. **INTEGRATED LOGISTIC ITEMS**

4.1 **Contractor Documentation and Integrated Logistic Items**

4.1.1 **Documents supplied to the Technical Authority**

a) **Manuals for Approval**

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

(b) **Photographs and Line Drawings**

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



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(c) Data Summary

- i The Contractor **must** supply a bilingual data summary, with vehicle data (including accessories and features) and a vehicle picture;
- ii The **Technical Authority** will supply a bilingual template of a data summary to the Contractor;
- iii The Contractor **must** submit a digital copy (MS Word) to the **Technical Authority** of the completed data summary for approval;
- iv Data summary approval or comments will be supplied within 15 working days of receipt; and
- v The Contractor **must** provide responses to the Technical Authority's comments.

(d) Warranty Letter

- i The **Technical Authority** will supply a current bilingual warranty letter template to the Contractor;
- ii The Contractor **must** supply a complete description of the warranty with the requested warranty terms and any system or sub system warranty that exceeds the minimum requested;
- iii The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada;
- iv Designated warranty providers **must** honour the warranty letter; and
- v The Contractor **must** supply a copy of the warranty letter, in PDF digital format, for each vehicle delivered, to the **Technical Authority**.

(e) Safety Data Sheets

- i The Contractor **must** supply a list, in digital format, of all hazardous materials used on the vehicle;
- ii If there are no hazardous materials are used, this **must** be stated on the list; and
- iii The Contractor **must** supply safety data sheets of all hazardous materials in the list.

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

(g) Training Plan(s) - The Contractor **must** supply the training plan for approval, for each of the training requirements listed in paragraph 4.2 to the **Technical Authority**; and

(h) Line Setting Ticket - The Contractor **must** supply a copy of the production line setting ticket, in digital format, with supplemental listing for each completed vehicle, to the **Technical Authority**.



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4.1.3 Items Supplied with Each Vehicle

- (a) Operator's Manual - The Contractor **must** supply an approved bilingual operator's manual in both paper and digital format;
- (b) Warranty Letter - The Contractor **must** supply a paper copy of the warranty letter;
- (c) Safety Data Sheets
 - i The Contractor **must** supply a set of safety data sheets; and
 - ii The safety data sheets **must** be the same as those provided to the **Technical Authority** as per paragraph 4.1.2 (e).
- (d) Rust Protection Warranty - The Contractor **must** supply a copy of the warranty letter from the rust protection provider;
- (e) Line Setting Ticket - The Contractor **must** supply a copy of the production line setting ticket with supplemental list; and

4.1.4 Additional Items

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

4.2 Training

- (a) Training - Familiarization - English
 - i The Contractor **must** supply a familiarization course in English, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle type but require training on newer or

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unique features and sub-systems of the delivered model;

- ii The instructor **must** be an OEM Factory Certified Training Provider;
 - iii Curriculum
 - 1. The familiarization course **must** include operation and maintenance segments;
 - 2. The operation segment **must** include safety precautions to be observed while operating and servicing the vehicle, vehicle operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures;
 - 3. The operation segment **must** include sub-systems including automatic grease system and pre-heaters; and
 - 4. The operation segment **must** demonstrate all safety measures required for safe vehicle maintenance.
 - iv The familiarization course **must** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians;
 - v The familiarization course **must** accommodate up to eight (8) personnel; four (4) operators and four (4) technicians;
 - vi For vehicles shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority**, or the identified user or designated contact person for vehicles shipped for users other than DND;
 - vii After completion of the familiarization course, the Contractor **must** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee; and
 - viii The **Technical Authority** will supply the "PROOF OF FAMILIARIZATION" document template in a digital format.
- (b) Training - Familiarization - French
- i The Contractor **must** supply a familiarization course in French when requested by the **Technical Authority**, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle type but require training on newer or unique features and sub-systems of the delivered model;
 - ii The instructor **must** be an OEM Factory Certified Training Provider;
 - iii Curriculum

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1. The familiarization course **must** include operation and maintenance segments;
 2. The operation segment **must** include safety precautions to be observed while operating and servicing the vehicle, vehicle operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures;
 3. The operation segment **must** include sub-systems including automatic grease system and pre-heaters; and
 4. The operation segment **must** demonstrate all safety measures required for safe vehicle maintenance.
- iv The familiarization course **must** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians;
- v The familiarization course **must** accommodate up to eight (8) personnel; four (4) operators and four (4) technicians;
- vi For vehicles shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority**, or the identified user or designated contact person for vehicles shipped for users other than DND;
- vii After completion of the familiarization course, the Contractor **must** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee; and
- viii The **Technical Authority** will supply the "PROOF OF FAMILIARIZATION" document template in a digital format.



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.

ANNEX C
TECHNICAL EVALUATION MATRIX

BUS, HIGHWAY CRUISER

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

Where the specification paragraphs below indicate “**Substantial Information**”, the “**Substantial Information**” describing completely and in detail how the requirement is met or addressed **must** be supplied for each performance requirement/specification.

Bidder is required to indicate the document name/title and page number where the **Substantial Information** can be found.

Definitions for **Equivalent** is found in the DEFINITION section at the end of this document.

BIDDER INFORMATION

Bidder Name: _____

Address: _____

Proposal Date: _____

Substitutes/Alternatives

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

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

OPI: DSVPM 4 – BPR: DAPVS 4

Issued on Authority of the Chief of the Defence Staff

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



<u>Bus Highway Cruiser</u>				
PD Reference	Requirement	Substantial Information required	Value	Location of Substantial Information in Bid Proposal
3.4 1. (a)	The vehicle must have a road speed of at least 105 km/h when operating fully loaded on a flat level road			
3.4.1.(c)	The vehicle must have a gross engine horsepower of at least 400HP	Substantial Information		
3.4.2 (a)	Payload - The vehicle must transport at least 55-seated adult passengers;			
3.5. (a)	Body Type – The vehicle must be at least 55-passenger highway cruiser with forward facing seats;	Substantial Information		
3.5 (e) viii	The heater must have a capacity suitable for the vehicle of at least 100,000-Btu;	Substantial Information		
3.5 (e) ix	The auxiliary heater must have a capacity of at least 42,000-Btu;	Substantial Information		
3.5 (e) xii	The heating and air conditioning system must have a capacity of at least 118,000–Btu/hour in the passenger area, and at least 24,000-Btu/hour for the driver’s area.	Substantial Information		
3.5 (f) i	The vehicle must be provided with a six way high-back medium to dark colored upholstered driver seat with lumbar support;			
3.5 (g) i	Passengers must be provided with medium to dark upholstered forward facing seats;			

Bus Highway Cruiser				
3.5 (m) i	The vehicle must be provided with an AM/FM radio with a CD/DVD player with USB and Aux. port with public address system			
3.6.1(a)	Suspension - The vehicle must be provided with an eight (8) bag air suspension system;			
3.7	Engine – The vehicle must be provided with a diesel engine.	Substantial Information Make Model		
3.7.2(a)	The fuel system must have a total capacity of at least 681 litres (180 US gallons)			
3.8.1 (a)	The bus must be provided with an electronically controlled automatic transmission			
3.8.1(b)	The transmission must have at least six (6) forward speeds and one reverse speed	Substantial Information		
3.8.2(b)	The front axle must be equipped with kneeling feature and a capacity of at least 7,250 kg (15,984 lbs);	Substantial Information		
3.8.2(d)	The single rear drive axle must have a capacity of at least 10,000 kg (22,046 lbs)	Substantial Information		
3.8.2 (e)	The tag axle must have a capacity of at least 6,350 kg (14,000 lbs) with the appropriate spacing to the single rear drive axle	Substantial Information		
3.9 (a)	The vehicle must be provided with full air actuated service brakes and spring actuated parking brakes			

Bus Highway Cruiser				
3.11 (b)	All axles must be provided with highway tires;			
3.14 (a)	The electrical system must be provided with an alternator with an output of at least 240 amperes;			
3.14 (b)	The electrical system must be provided with maintenance-free batteries with a total rating of at least 1,850 cold cranking amperes (CCA)			

DEFINITION

The following definition 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.