

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet COMMUTER BUS	
Solicitation No. - N° de l'invitation W8476-134010/A	Date 2012-09-19
Client Reference No. - N° de référence du client W8476-134010	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-512-61219	
File No. - N° de dossier hp512.W8476-134010	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-10-25	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Serra, Donna	Buyer Id - Id de l'acheteur hp512
Telephone No. - N° de téléphone (819) 956-3944 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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

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

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

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CONSENT TO A CRIMINAL RECORD VERIFICATION

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this requirement.

2. Requirement

Canada is seeking proposals to procure:

- 2.1 Fourteen (14) Commuter Buses and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Commuter Buses - Configuration A and with Annex "C" - Purchase Description Commuter Buses - Configuration B.
- 2.2 Irrevocable options identified in Annex "A" - Pricing.
 - 2.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.
 - 2.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A" - Pricing.
 - 2.2.3 The options may be exercised within twelve (12) months after contract award.

3. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

4. Interpretation

The mandatory requirements stated in this Request for Proposal use the words "shall" or "must" or "mandatory". Proposals not meeting all of the mandatory requirements will be given no further consideration.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

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

The 2003 (**2012-07-11**) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 4 of Section 01 - Code of Conduct and Certifications of 2003 (2012-07-11) Standard Instructions is amended as follows:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

Subsection **5.4 of 2003**, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted to the Contracting Authority no later than **seven (7) calendar days** before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a "proprietary" nature must be clearly marked "proprietary" at each relevant item. Items identified as proprietary will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in *Ontario*.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

5. Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications, Statement of Work or Purchase Description contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least **seven (7) days** before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies);

Section II: Financial Bid (1 hard copy);

Section III: Certifications and Additional Information (2 hard copies).

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation;

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders are encouraged to:

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

2. Section I: Technical Bid

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

Bidders must complete and submit by the bid closing date and time the following;

- 1) Appendix "1" - Technical Information Questionnaire - Commuter Bus - Configuration A;

- 2) Annex "B" - Purchase Description - Commuter Bus - Configuration A
- 3) Appendix 2 - Technical Information Questionnaire - Commuter Bus - Configuration B.
- 4) Annex "C" - Purchase Description - Commuter Bus - Configuration B

2.1 Substitutes and Alternatives

Bidders may propose substitutes and alternatives where "**shall^(E)**" is indicated in the technical requirement description (Purchase Description/Statement of Requirement/Statement of Work).

2.1.1 Substitutes and alternatives that are equivalent in form, fit, function and performance will be considered for acceptance by the Technical Authority where the Bidder:

- (a) Clearly identifies a substitute and/or an alternative;
- (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
- (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
- (d) Provides complete specifications and brochures, where applicable;
- (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
- (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.

2.1.2 Substitutes and alternatives offered as equivalent in form, fit, function and performance will not be considered for acceptance by the Technical Authority if:

- (a) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the evaluate the equivalency; or

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

- 2.1.3 In conducting the evaluation of bids, Canada may, but will have no obligation to request the bidder offering a substitute and/or an alternative, to provide a copy of the alternative standard and to demonstrate, at the bidder's sole cost, that it is equivalent to the technical requirement.

3. Section II: Financial Bid

Bidders must submit their prices in Annex "A" - Pricing in accordance with the Basis of Payment described in **Part 6 - RESULTING CONTRACT CLAUSES**, at **Clause 6.1 Basis of Payment**.

3.1 Exchange Rate Fluctuation

- 3.1.1 Unless otherwise specified in the bid solicitation, bids must be in Canadian currency.
- 3.1.2 Bidders may request Canada to assume the risk for exchange rate fluctuation. This request must be specifically made at time of bidding.
- 3.1.3 The foreign currency component is defined as the element of the price that will be directly affected by exchange rate fluctuations. It could include the net price FOB foreign manufacturer's plant, costs associated with applicable duty, excise tax, Goods and Services Tax or Harmonized Sales Tax, if applicable, entry fees, transportation costs or delivery charges payable in a foreign currency, and any other charges associated with being the importer of record if they originated from and are required to be paid in a foreign currency.
- 3.1.4 The foreign value of the foreign currency component of the bid or negotiated price must be provided before contract award. Form PWGSC-TPSGC 9411, Claim for Exchange Rate Adjustments, may be used for this purpose. If milestone payments are proposed, it is recommended to indicate on the above form the foreign currency component associated with each milestone event.
- 3.1.5 All bids are evaluated in Canadian currency. Therefore, for evaluation purposes, the noon rate quoted by the Bank of Canada as being in effect on date of bid closing, or such other date as may be specified in the bid solicitation, will be applied as the initial conversion factor for the specified currency. (Column 3 of the above form will be completed by the Contracting Authority.)

3.1.6 Rates proposed by bidders will not be accepted for the purposes of this exchange rate adjustment provision.

3.1.7 If there are two (2) identical bids, and provided that the bid selected would still be considered the most advantageous to Canada, preference will be given to the Bidder who assumes all or part of the exchange rate adjustment risk over a bidder who does not assume any of this risk. Furthermore, preference will be given to the Bidder who assumes all of the exchange rate adjustment risk over a bidder who assumes only part of this risk.

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

4. Section III: Certifications and Additional Information

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

4.1 Additional Information

Canada requests that bidders submit the following information:

4.1.1 Delivery

4.1.1.1 Firm Quantity

While delivery of the vehicles is requested by December 31, 2012 the best delivery that can be offered is as follows:

Item 001 – Fourteen (14) Commuter Buses and related items will be delivered within _____ calendar days from the effective date of the contract.

4.1.1.2 Optional Quantity

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

Item 002 – Six (6) Commuter Buses and related items will be delivered within _____ calendar days after an option is exercised.

Solicitation No. - N° de l'invitation

W8476-134010/A

Amd. No. - N° de la modif.

File No. - N° du dossier

hp512W8476-134010

Buyer ID - Id de l'acheteur

hp512

CCC No./N° CCC - FMS No/ N° VME

W8476-134010

4.1.2 Manufacturer's Standard Warranty Period

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

2. Technical Evaluation

- 2.1 The purpose of the technical evaluation is to determine if the goods and/or services offered meet all mandatory technical requirements outlined in the documents enumerated hereafter and as required in **Section I - Technical Bid of Part 3 - BID PREPARATION INSTRUCTIONS:**

- Appendix 1 - Technical Information Questionnaire - Commuter Bus - Configuration A;
- Annex "B" - Purchase Description - Commuter Bus - Configuration A;
- Appendix 2 - Technical Information Questionnaire - Commuter Bus - Configuration B; and
- Annex "C" - Purchase Description - Commuter Bus - Configuration B.

3. Financial Evaluation

- 3.1 The purpose of the financial evaluation is to determine the aggregate price, based on the information submitted in Annex "A" - Pricing.

- 3.2 Aggregate Price Calculation

Bids will be evaluated on an aggregate price basis for the firm quantity and the optional quantity.

- 3.3 Any **Extended Warranty Period** offered will not be included in the financial evaluation and further negotiations may be required.

4. Basis of Selection

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award

1.1 Bidders should provide, with their bids or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

2. Certifications Precedent to Contract Award

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

Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 Federal Contractors Program - \$200,000 or more

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;

(c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;

(d) () is subject to the FCP, and has a valid certificate number as follows:
_____ (e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site.

[Http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml](http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml)

3. Canadian Content Certification

SACC Manual clause A3050T (2010-01-11) Canadian Content Definition

3.1 Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

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.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

() the good(s) offered are Canadian goods as defined in paragraph 1 of clause A3050T.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with this requirement.

2. Requirement

2.1 The Contractor must deliver Fourteen (14) Commuter Buses and related items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Commuter Buses and Annex "C" - Purchase Description Commuter Buses.

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

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

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

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

2.3 **Optional Extended Warranty Period (if applicable)**

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

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

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2012-07-16) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

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

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

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

(If applicable)

3.1.2 **Section 09** of general conditions **2010A** is amended by replacing the period of twelve (12) months by twenty-four (24) months.

All other provisions of the warranty section remain in effect.

4. Term of Contract

4.1 Delivery of Vehicles

4.1.1 Firm Quantity

Delivery date of the vehicles must be made as follows:

Item 001 - Commuter Buses and related items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

4.1.2 Option Quantity

Item 002 - Commuter Buses and related items to be delivered within _____ calendar days after an option is exercised. (Days to be inserted by PWGSC the Contracting Authority at time of contract award.)

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Donna Serra
Title: Supply Team Leader
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street, Gatineau Quebec,
K1A 0S5
Telephone: 819 956-3944
Facsimile: 819 953-2953
E-mail: donna.serra@pwgsc-tpsgc.gc.ca

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

5.2 Procurement Authority

The Procurement Authority for the Contract is:

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

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

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

5.3 Technical Authority: (If applicable)

The Technical Authority for the Contract is:

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

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work.

Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.4 Contractor's Representative

Name and telephone number of the person responsible for :

General enquiries

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

Delivery follow-up

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

Title: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail: _____

5.5 After Sales Service

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

Item 001

Name: _____

Address: _____

Telephone Number: _____

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

Item 002

Name: _____

Address: _____

Telephone Number: _____

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

Item 003

Name: _____

Address: _____

Telephone Number: _____

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

Item 004

Name: _____

Address: _____

Telephone Number: _____

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

Item 005

Name: _____

Address: _____

Telephone Number: _____

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

Item 006

Name: _____

Address: _____

Telephone Number: _____

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

Item 007

Name: _____

Address: _____

Telephone Number: _____

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

Item 008

Name: _____

Address: _____

Telephone Number: _____

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

6. Payment

6.1 Basis of Payment - Firm Unit Price(s)

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

Basis of Payment (BOP) Type 1: Firm unit prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, Goods and Services tax/Harmonized Sales Tax extra.

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

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

6.2 SACC Manual Clauses

H1001C Multiple Payments 2008-05-12

6.3 Exchange Rate/Payment on Delivery

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

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

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

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

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

7. Invoicing Instructions

7.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions including the Client Ref # BT338. Invoices cannot be submitted until all work identified in the invoice is completed.

Each invoice must be supported by:

- (a) a copy of the release document and any other documents as specified in the Contract;

7.2 Invoices must be distributed as follows:

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

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

Attention: DLP 5-5-1-4

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

7.3 Holdback

A ten percent (10%) holdback will apply on the total price of each vehicle item numbers 001 to 010. on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by DND of the said vehicle and all related items as identified in Annex "A" - Pricing.

Goods and Services Tax or Harmonized Sales Tax (GST/HST), as applicable, 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 GST/HST payable as it was claimed and payable under the previous invoice.

- (a) The original and one (1) copy of the invoice for the holdback must be forwarded to the Procurement Authority identified under the section entitled "Authorities" of the Contract.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
- (c) One (1) copy must be forwarded to the consignee.

8. Certifications

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.

9. Applicable Laws

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

10. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - Commuter Bus
- (e) Appendix 1- Technical Information Questionnaire - Commuter Bus
- (f) Annex "C" - Purchase Description - Commuter Bus
- (g) Appendix 1- Technical Information Questionnaire - Commuter Bus
- (h) the Contractor's bid dated _____

11. SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
C2800C	Priority Rating	2011-05-16
C2801C	Priority Rating - Canadian-based Contractors	2011-05-16
D3010C	Dangerous Goods/Hazardous Products	2012-07-16
D5510C	Quality Assurance Authority (DND) - Canadian-based Contractor	2012-07-16
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
D5540C	ISO 9001:2008 Quality Management Systems - Requirements (QAC Q)	2010-08-16
D5604C	Release Documents - Foreign based Contractor	2008-12-12
D5605C	Release Documents - US based Contractors	2010-01-11
D5606C	Release Documents - Canadian-based Contractors	2012-07-16
D9002C	Incomplete Assemblies	2007-11-30
G1005C	Insurance	2008-05-12

12. Inspection and Acceptance

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

13. Preparation for Delivery

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

The fuel tanks must be at least half full prior to release of the vehicle(s) to DND personnel.

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

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

14.1 The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A"- Pricing). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

14.2 The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the contacts specified in Annex "A"- Pricing. The consignee may refuse shipments when prior arrangements have not been made.

15. Shipping Instructions (DND) - Canadian-based Contractor (Optional Quantities)

15.1 Delivery will be FCA Free Carrier at the Contractor's Canadian facility or Contractor's Canadian distribution point, Incoterms 2000. The Contractor must load

the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

- 15.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 15.3.

Inbound Logistics Co-ordination Center (ILCC)

Telephone: 1-877-877-7423 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQttawa@forces.gc.ca

- 15.3 The Contractor must provide the following information to the DND Inbound Logistics Coordination Center when arranging for shipment:

- (a) the Contract number;
- (b) consignee address (for multiple addresses, items must be packaged and labeled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (i.e., carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;
- (f) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, the International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations, and a copy of the materiel safety data sheet.

- 15.4 Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labeling, and the marking of each piece with a Transportation Control Number.

- 15.5 The Contractor must not ship the goods before receiving shipping instructions from the DND Inbound Logistics contact.

- 15.6 If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.

15.7 If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

16. Shipping Instructions (DND) - Foreign-based Contractors (optional quantities)

16.1 Delivery will be FCA Free Carrier at the Contractor's Canadian facility or Contractor's Canadian distribution point, Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

16.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 16.3.

Instruction to contracting officers: Before contract award, choose either shipping option (a), (b), (c), or (d), and delete the unused options and this instruction..

(a) Insert the following when the Contractor is located in the United States (U.S.):

Inbound Logistics Coordination Center (ILCC):

Telephone: 1-877-447-7701 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

OR

(b) Insert the following when the Contractor is located in United Kingdom (UK) and Ireland:

Inbound Logistics United Kingdom (ILUK):

Telephone: 011-44-1895-613023, or 011-44-1895-613024, or

Facsimile: 011-44-1895-613047

E-mail: CFSUEDetUKMovements@forces.gc.ca

In addition, the Contractor must send to ILUK the completed form "Shipping Advice and Export Certificate" by e-mail to:
CFSUEDetUKMovements@forces.gc.ca.

The shipment of any items above the value of 600 GBP (pound sterling) being exported from the United Kingdom and Ireland will be cleared by DND using Her Majesty's Customs & Excise (HMCE) New Export Systems (NES). The Contractor must comply with HMCE requirements by registering with HMCE or by having a freight forwarder complete the entry. A printed copy of the NES

entry Export Declaration clearly displaying the Declaration Unique Consignment Reference Number must be provided by the Contractor and attached to the consignment. The Contractor must ensure that this procedure is carried out for all stores whether they be initial purchase or repair and overhaul export items. HMCE will authorize Canadian Forces Support Unit (Europe) to ship the goods only if the procedure has been adhered to completely and properly by the Contractor.

OR

- (c) Insert the following when the Contractor is located in a country other than Canada, the U.S., the UK and Ireland:

Inbound Logistics Europe Area (ILEA):

Telephone: +49-(0)-2451-717199 or 717200

Facsimile: +49-(0)-2451-717189

Email: ILEA@forces.gc.ca

OR

- (d) Insert the following for U.S. Foreign Military Sales (FMS):

Inbound Logistics Coordination Center (ILCC):

Telephone: 1-877-447-7701 (toll free)

Facsimile: 1-877-877-7409 (toll free)

Email: ILHQOttawa@forces.gc.ca

Canada is responsible for the carrier selection for shipments of the goods supplied under this FMS contract. Instructions on how to obtain carrier selection from Canada are contained in U.S. Department of Defense 4000.25-8-M, Military Assistance Program Address Directory, and Canadian Special Instructions Indicator (SII). The Contractor must not ship the goods until the SII has been complied with.

Instruction to contracting officers: Insert the following paragraphs 16.3 through 16.7 with all options above, except (d) - U.S. FMS, and delete this instruction

16.3 The Contractor must provide the following information to the DND Inbound Logistics contact when arranging for shipment:

- (a) the Contract number;
- (b) consignee address (if multiple addresses, items must be packaged and labeled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (e.g. carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;

- (f) copy of the commercial invoice (in accordance with clause C2608C, section 4, of the Standard Acquisition Clauses and Conditions Manual) or a copy of the Canada Border Services Agency form CII, Canada Customs Invoice;
- (g) Schedule B codes (for exports) and the Harmonized Tariff Schedule codes (for imports);
- (h) North American Free Trade Agreement Certificate of Origin (in accordance with clause C2608C, section 2) for the U.S. and Mexico only;
- (i) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, or International Air Transport Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations and a copy of the material safety data sheet.

16.4 Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, the marking of each piece with a Transportation Control Number and customs documentation.

16.5 The Contractor must not ship goods before receiving shipping instructions from the DND Inbound Logistics contact.

16.6 If the Contractor delivers the goods at a place and time that are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.

16.7 If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

17. Release Documents - Distribution

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

- (a) Copy 1: mail to consignee marked: "Attention: Receipts Officer";
- (b) Copies 2 and 3: with shipment (in a waterproof envelope) to the consignee;
- (c) Copy 4: to the Contracting Authority;
- (d) Copy 5: to:

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

Attention: DLP 5-5-1-4

- (e) Copy 6: to the Quality Assurance Representative;
- (f) Copy 7: to the Contractor;
- (g) Copy 8: all non-Canadian Contractors to:

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

18. Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) working days of the receipt of the Contract, the Contractor must contact the Technical Authority to determine the details of a pre-production meeting. The meeting will be held at the Contractor's plant _____ (specify location). Cost of holding such pre-production meeting must be included in the price of the bid. Please note that the travel and living expenses for Government Personnel will be arranged and paid for by the Canada.

19. Progress Reports

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

Each progress report must address the following questions:

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

20. Tools and Loose Equipment

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

21. Spare Parts Availability

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

22. Material

Material supplied must be new unused and of current production by manufacturer. (2012 model-year or later).

23. Design Changes

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

24. Interchangeability

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

25. Packaging

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

26. Service at Delivery

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

ANNEX "A" - PRICING

Item 001 Commuter Bus - Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B" - Purchase Description - Commuter Bus - Configuration A.

The Commuter Bus and related items must be delivered to:

CFB/ASU Kingston
Major Equipment Section
CFB Kingston
5 Somme Avenue Bldg C36
Kingston, ON
K7K 5L0

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

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

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

Quantity: 2

Item 002 Commuter Bus - Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B" - Purchase Description - Commuter Bus - Configuration A.

The Commuter Bus and related items must be delivered to:

CFB Esquimalt
Major Equipment Section
Building 1127
Work Point Barracks
Victoria, BC
V9A 7N2

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

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

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

Quantity: 2

Item 003 Commuter Bus - Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex ‘B’ - Purchase Description - Commuter Bus - Configuration A.

The Commuter Bus and related items must be delivered to:

CFB Winnipeg DET Dundurn
Major Equipment Section
Dundurn Detachment
Camp Dundurn SK
Dundurn, SK
S0K1K0

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

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

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

Quantity: 1

Item 004 Commuter Bus - Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B"- Purchase Description - Commuter Bus - Configuration A.

The Commuter Bus and related items must be delivered to:

5 USS Saint Jean
Major Equipment Section
5EME Bon SG Approvisionnement
USS St-Jean Hanger 103
St-Jean sur Richelieu, QC
J0J1R0

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

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

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

Quantity: 2

Item 005 Commuter Bus - Configuration A (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex "B"- Purchase Description - Commuter Bus - Configuration A.

The Commuter Bus and related items must be delivered to:

CFB/ASU Kingston
Major Equipment Section
CFB Kingston
5 Somme Avenue Bldg C36
Kingston, ON
K7K 5L0

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

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

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

Quantity: 2

Item 006 Commuter Bus - Configuration B (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex ‘‘C’’- Purchase Description - Commuter Bus - Configuration B.

The Commuter Bus and related items must be delivered to:

CFS St Johns NL
Major Equipment Section
CFS St Johns
Pleasantville Bldg 206
St John, NF
A1C 6 B5

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

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

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

Quantity: 1

Item 007 Commuter Bus - Configuration B (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex “C”- Purchase Description - Commuter Bus - Configuration B.

The Commuter Bus and related items must be delivered to:

CFB SUP Halifax
Major Equipment Section
HMC Dockyard
Bldg D-206 Door 1 thru 13
Halifax, NS
B3K 5X5

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

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

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

Quantity: 2

Item 008 Commuter Bus - Configuration B (Firm Quantity)

The Contractor must deliver the vehicle/equipment including the sample manuals, CD of all manuals, data summary, photographs, warranty letter(s), line setting ticket and familiarization training in accordance with the attached Annex “C”- Purchase Description - Commuter Bus - Configuration B.

The Commuter Bus and related items must be delivered to:

CFB Esquimalt
Major Equipment Section
Building 1127
Work Point Barracks
Victoria, BC
V9A 7N2

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

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

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

Quantity: 2

Item 009 Commuter Bus - Configuration A (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including all approved manuals, warranty letters, and line setting tickets in accordance with the attached Annex "B" - Purchase Description - Commuter Bus - Configuration A.

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

Quantity: Up to 3

Item 010 Commuter Bus - Configuration B (Optional Quantity)

If this option is exercised, the Contractor must deliver the vehicle/equipment including all approved manuals, warranty letters, and line setting tickets in accordance with the attached Annex "C" - Purchase Description - Commuter Bus - Configuration B.

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

Quantity: Up to 3

Item 011 Familiarization instructions/training (Options)

If this option is exercised, the Contractor must provide up to six (6) familiarization instruction/training, in accordance with the attached Annex "B"- Purchase Description - Commuter Bus - Configuration A and Annex "C"- Purchase Description - Commuter Bus - Configuration B

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

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/index.php?sid=90&hl=1&lang=eng>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.

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

Item 012 Optional Extended Warranty Period

Optional warranty coverage available: YES _____ NO _____

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

(This item will not be included in the financial evaluation)

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

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

ANNEX B

PURCHASE DESCRIPTION

COMMUTER BUS

CONFIGURATION “A”

1 Scope

1.1 Scope This purchase description describes the requirements for a minimum 40 passenger bus, based on a flat nose commuter bus chassis, diesel engine driven, 4x2, w/dual wheels, under-body luggage storage compartments and rear storage. The bus will be used to transport up to 40-adult passengers for distances up to 300-miles.

1.1.1 Bus Requirement Summary Table The following Table represents the required two bus configurations:

Bus Configuration	Engine Location	Colour	Quantity-Destination
“A”	Front	White	2-Esquimalt 1-Dundern 4-Kingston 2-St Jean
“B”	Rear	White	2-Halifax 2-Esquimalt
		Blue	1-St John’s

1.2 Instructions - The following instructions and definitions apply to the interpretation of this purchase description:

- (a) Requirements, which are identified by the word “**shall**”, are mandatory. Deviations will not be permitted;
- (b) Requirements identified by “**shall**^(E)” are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;
- (c) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;
- (d) Where “**shall**”, “**shall**^(E)”, or “will” are not used, the information provided is for guidance only;
- (e) In this document “provided” **shall** mean “provided and installed”;

- (f) Where technical certification is required, a copy of the certification or an acceptable proof of compliance ***shall*** be provided upon request;
- (g) Where a standard or specification is required and the bidder offers an equivalent, that equivalent standard ***shall*** be provided upon demand;
- (h) Where equipment certification to an SAE standard is required, the bidder ***shall*** provide the certification upon request;
- (i) Metric measurements ***shall*** be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (j) Dimensions stated as nominal ***shall*** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.3 Definitions - The following definitions apply to the interpretation of this Purchase Description:

- (a) “Technical Authority” - The government official responsible for technical content of this requirement;
- (b) “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; and
- (c) “Proof of Compliance” - A document such as a brochure, a third party test report, a report generated by third party software, or a certificate of attestation signed by a senior representative of the Original Equipment Manufacturer (such as a certified engineer) indicating the performance and/or feature specified.
- (d) The term "Quality Assurance Representative" is defined as the government officer responsible for ensuring that the contractor quality system, material and services supplied meet the contract requirement;
- (e) “Guidance” is defined as a requirement that may be followed. The guidance is provided to indicate a preferred component Make and Model or dimension that would be best for the application. However, deviating from a guidance doesn’t consider the bid non-compliant;
- (f) “Vehicle” is defined as a commuter type bus, as detailed in this Purchase Description; and
- (g) “Curb Weight” is the empty weight (no payload included) of a full bus. Curb weight ***shall*** include the all attached devices, equipment, and full fuel tanks, lubricants, and coolants.

1.4 Technical Information Appendix The following applies:

- (a) The bidder ***shall*** complete the Technical Information Questionnaire. Failure to provide specified brochures, performance analysis, drawings, curves or tables may render the proposal non-compliant; and

- (b) A nil response to a Technical Information Questionnaire question may be considered non-compliant. Any deviation from the purchase description ***shall*** be listed in the Conformance Certificate.

2 APPLICABLE DOCUMENTS

2.1 Publication The following document forms part of this purchase description. Effective dates ***shall*** be those in effect on the date of manufacture. Source is as shown:

Transport Canada Consolidation of the Motor Vehicle Safety Act and Motor Vehicle Safety Regulations and all applicable revisions TP4360E

Canadian Government Publishing Centre
Supply and Services Canada
Ottawa, Canada, K1A 0S9

2.2 Other Publications The following documents form part of this purchase description. Effective dates ***shall*** be those in effect on the date of manufacture. Sources are as shown:

Society of Automotive Engineers Inc.,
400 Commonwealth Drive, Warrendale, PA, 15096

Standards Council of Canada, International
Standardization Branch, 350 Sparks St.,
Suite 1200, Ottawa, Ontario K1P 6N7

FED STD 595 Colors

GSA - Specification Section

470 L'Enfant Plaza
Suite 8100
Washington, DC 20407
Telephone: (202) 755-0325

NFPA 407

National Fire Protection Association,
470 Atlantic Avenue,
Boston, Mass., 02210, USA

3 REQUIREMENTS

3.1 Standard design The vehicle design ***shall***:

- (a) Be manufacturer's latest model;
- (b) Have demonstrated industry acceptability by having been manufactured and sold commercially; or, objective evidence of the vehicle/equipment's capability to satisfy performance requirements ***shall*** be provided with the proposal;

- (c) Have engineering certification available, upon demand, for this vehicle/equipment from the original manufacturers of major drive train components and major equipment systems and assemblies;
- (d) Conform to all applicable laws, regulations and industry standards governing manufacture, safety, noise levels and pollution in effect in Canada at time of manufacture;
- (e) Not have system and component capacities increased above published ratings (i.e. product or component brochures); and
- (f) Include all components, equipment and accessories normally supplied for the model offered, although they may not be specifically described in this Purchase Description.

3.2 Operating Conditions The vehicle, under all load conditions, ***shall*** operate as follows without degradation in performance, reliability and maintainability:

- (a) On paved roads, gravel roads, dirt roads with severe washboard and potholes and off-road terrain. The vehicle will also operate in areas with severe grades and switchback turns. Conditions include year round operation on snow, mud and ice;
- (b) In the temperature range of – 40°C to 37°C (-40°F to 98°F); and
- (c) With the GVWR specified under all operating conditions.

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

3.4 Human Engineering and Safety The following applies:

- (a) All systems and components ***shall*** be safe and easy to use by a 5-95th percentile male or female under all operating conditions;
- (b) Entry and exit points ***shall*** 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 instruction plates, non-slip surfaces and heat shields ***shall*** be provided where required.

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

3.6 Payload and Weight Rating

3.6.1 Payload The bus ***shall*** be capable of transporting a minimum of **40-adult passengers with luggage**. The payload of passengers ***shall*** be calculated 300 pounds per person and 215 pounds for the driver. These ratings include provisions for luggage.

3.7 Dimensions The following nominal dimensions ***shall*^(E)** be provided:

- (a) Front axle setback between - 1,905 mm and 2,032 mm (75 and 80 inches).
- (b) Wheelbase – 5,892 mm (232inches).
- (c) Overall length – 12 metres (40 feet).
- (d) Overall width – 2,438 mm (96 inches).
- (e) Height – 3,048 mm (120 inches).
- (f) Interior Headroom – 1,905 mm (75 inches).

3.8 Performance

3.8.1 Speed The bus with rated payload shall^(E) achieve a speed of at least 105-kph (65-mph) on good roads.

3.8.2 Gradability/Stall Gradability The loaded vehicle shall^(E) achieve a gradability of 1.2% at 90-km/h (56-mph).

3.8.3 Computer Generated Vehicle Performance Prediction Analysis The Contractor shall provide a computer generated vehicle performance prediction analysis with the Technical Information Questionnaire. Analysis shall be performed with the power train specified and a fully loaded vehicle. A fully loaded vehicle is a fully furnished bus with 40 adult passengers and luggage.

3.9 Chassis and Power Train Systems

3.9.1 Engine Systems The following shall be provided:

Configuration “A”

(a) **Front Engine**

- i A turbocharged, electronically controlled diesel engine mounted on the front; and
- ii Biggest engine horsepower available for the chassis model offered. If the biggest engine horsepower is an available option for the chassis model offered, this option shall be provided as the vehicle standard engine.

Configuration “B”

~~(b) **Rear/ Push Engine** A rear push driven engine~~

- ~~i A turbocharged, electronically controlled diesel engine mounted on the rear; and~~
- ~~ii Biggest engine horsepower available for the chassis model offered. If the biggest engine horsepower is an available option for the chassis model offered, this option shall be provided as the vehicle standard engine; and~~

~~iii — Rear engine access compartment door.~~

3.9.2 Engine Components- The engine *shall* include:

- (a) A replaceable dry-type air filter that includes a filter restriction gauge;
- (b) Engine coolant for temperatures down to -40°C (-40°F);
- (c) Engine brake; and
- (d) A cooling system that includes a thermostatic fan.

3.9.3 Fuel System - The vehicle *shall* be equipped with:

- (a) A fuel tank with a capacity of at least 378 litres (100 US gals); and
- (b) **Fuel Heater** - A self-regulating in-line electric or coolant type fuel heater to warm the fuel before it enters the fuel filter(s) and to maintain the fuel temperatures above the waxing/gelling point during cold weather operation.

Note: The following fuel heaters are provided as guidance: Arctic Fox or Fuel Pro

3.9.4 Cold Weather Starting Aids- The vehicle *shall* be equipped with:

- (a) A 110-volt coolant block heater of the highest wattage capacity recommended by the engine manufacturer;
- (b) A fuel filter/water separator incorporating a thermostatically controlled heater; and
- (c) 150-Watt, minimum, oil preheater.

3.9.5 Transmission The following applies:

- (a) A fully automatic transmission *shall* be provided. The transmission *shall*^(E) be a 5 forward-speed;
- (b) **The transmission/engine *shall* be programmed to prohibit the fast idle from engaging when the transmission is in gear and the parking brake is applied;**
- (c) **The transmission/engine *shall* be programmed to prohibit the transmission from engaging when the fast idle is engaged and the parking brake is applied; and**
- (d) An oil filter *shall*^(E) be provided.

3.9.6 Steering Power steering with a tilt telescopic steering column *shall* be provided.

3.9.7 Brakes The following *shall* be provided:

- (a) A four-channel anti-lock brake system (ABS);

- (b) S-Cam type air brakes;
- (c) Brake housing dust shields;
- (d) Automatic slack adjusters;
- (e) Front and rear wheel visual brake stroke indicators;
- (f) A heated automatic moisture-expelling valve;
- (g) The wet tank capable of being recharged using a glad hand;
- (h) An automatic heated air dryer; and
- (i) A minimum .367 cu m/min (13.2 cfm) compressor.

3.9.8 Tires and Wheels The following shall^(E) be provided:

- (a) Tubeless steel belted radial tires;
- (b) Mud/snow tires on the rear axles;
- (c) 8.25 X 22.5 hub pilot mounted disc wheels. The disc wheels including the spare shall^(E) be interchangeable front and rear;
- (d) A spare wheel and tire assembly; and
- (e) All wheel assemblies balanced to preclude shimmy at all speeds.

3.9.9 Suspension and Axles The following shall^(E) be provided:

- (a) Air suspension on front and rear axle;
- (b) Automatic height control valve (s);
- (c) Double acting shock absorbers on all axles;
- (d) A no spin differential;
- (e) A front axle & suspension capacity of at least 6,622 kg (13,200 lbs); and
- (f) A rear axle & suspension capacity of at least 10,432 kg (23,000 lbs).

3.9.10 Frame The frame shall be reinforced at the towing points and be suitable for the application.

3.9.11 Exhaust System The exhaust shall^(E) be vented to the rear of the bus.

3.10 Cab and Chassis Systems

3.10.1 Cab Features The following *shall* be provided:

- (a) A flat nose type vehicle;
- (b) Fully adjustable interior sun visor(s);
- (c) A coat hook(s) for the driver, conveniently located in the driver's area;
- (d) Tinted glass in all windows;
- (e) Two heavy duty, adjustable, electric windshield fans, equipped with blade guards, for the left side windshield. One located in the upper left corner of the left side windshield and the other located in the centre of the base of the windshield. The fans will be used to augment the windshield defrosting system;
- (f) Driver's beverage and cell phone holders supplied in the driver area;
- (g) One interior light to illuminate the driver's area; and
- (h) A fold-down, transparent, tinted sun visor located above the left, driver's side window.

3.10.2 Driver's Seat The following *shall* be provided:

- (a) A six way, high back, air ride, power, fully pneumatic driver's seat with lumbar support, cloth inserts with pivoting arms rests; and
- (b) Retractable shoulder/lap belt assemblies, adjustable up and down on the post for adjustable height, for the driver's seat.

3.10.3 Mirrors The following with nominal dimensions *shall*^(E) be provided:

- (a) Two sets of mirrors, each consisting of one 9 x 10 inch flat, heated, power operated mirror and one adjustable 4 x 6 inch convex mirror mounted above the large mirrors on the left and right sides of the bus. The requirement for a left side motorized mirror can be waived if not available for this model of bus;
- (b) A cross view stainless steel mirror mounted on the right front corner;
- (c) One interior, adjustable, rear view mirror, measuring approximately 6 x 10 inches mounted in the driver's compartment and positioned to allow the driver full view of the interior of the coach. The mirror *shall*^(E) have protected edges; and
- (i) Replaceable heads or glass.

3.10.4 Instruments The following *shall* be provided:

- (a) A tachometer;
- (b) An odometer;

- (c) A coolant temperature gauge;
- (d) A transmission temperature gauge;
- (e) An oil pressure gauge; and
- (f) A voltmeter or ammeter.

3.10.5 Warning Devices The following ***shall*** be provided:

- (a) A warning light for low oil pressure;
- (b) A warning light for high coolant temperature;
- (c) A warning light for high transmission temperature;
- (d) A warning light and audible warning device to indicate unlatched doors and/or emergency exits; and
- (e) An audible reverse alarm.

3.10.6 Controls The following ***shall*** be provided:

- (a) Fast idle control, with manual on/off, and equipped with an automatic on/off switch that disengages when the brakes are applied or the transmission selector is moved into gear;
- (b) The fast idle feature ***shall*** be configured so as not to allow the fast idle to be engaged when the transmission is in gear and the parking brake is applied;
- (c) Cruise Control;
- (d) Air horns. Snow shields ***shall*** be provided if the horns are fully exposed to the elements;
- (e) Intermittent windshield wipers;
- (f) Electric windshield washers;
- (g) Volume controls for the radio system within an easy reach of the driver; and
- (h) Reading map light switch installed on dash and within an easy reach of the driver.

3.10.7 Audio/Video Systems The following ***shall*^(E)** be provided:

- (a) Pre-wired radio compartment including a conduit, wiring harness to support a Motorola XTL 1500 VHF M28KSSPW1 N dash mount 2-way radio system;
- (b) An AM/FM/CD radio with USB and Aux port with public address system. All controls ***shall*** be in the driver's area;

- (c) In addition to the OEM radio speakers, an additional eight speakers shall^(E) be mounted on the ceiling in the passenger area. The radio shall^(E) be equipped with a volume and fader control for the speakers in the passenger area;
- (d) A DVD player with at least six 38 cm (15-in) colour LCD wide-screen TV monitors three on each side, suitably located below the parcel rack; and
- (e) Linebacker VHF Omni-directional transit antenna.

3.11 Electrical System

3.11.1 Electrical System Features The following shall be provided:

- (a) A 270-amp alternator;
- (b) A 12-VDC power outlet with surge protection in driver area;
- (c) A slave receptacle located in the vicinity of the battery compartment. The slave receptacle shall^(E) be Grot Part # 84-9279;
- (d) All wiring, including the bus body, protected by insulating grommets where passing through metal; and
- (e) All electrical circuits, including the bus body, protected with fuses, relays or circuit breakers.

3.11.2 Batteries Heavy-duty maintenance free batteries shall be provided. The batteries shall^(E) have a total capacity of 2300-CCA.

3.11.3 Lighting All bus lighting shall be LED, as commercially available. The lighting system shall^(E) include:

- (a) Halogen headlights;
- (b) White fog lights;
- (c) Clearance, stop, tail and turn signal and licence plate lights;
- (d) A stoplight mounted center and at least at eye level on the rear of the bus;
- (e) Amber rear turn signal lights and mid ship left and right turning/clearance lights;
- (f) Lights and reflectors shock mounted, recessed or otherwise protected from damage;
- (g) An engine compartment light;
- (h) An appropriate number of centre aisle, ceiling lamps with Clear dome cover and independent switches convenient to the driver. The ceiling lamps shall^(E) minimize glare to the driver;

- (i) A protected stepwell light mounted in the right hand front part of the stepwell. The light shall^(E) be energized when any door is opened or the interior lights are energized;
- (j) Individual passenger reading lights located under the overhead parcel rack with on/off push buttons; and
- (k) Under-body luggage compartment lights activated through pin switches when the doors are opened, or by an illuminated master light switch located in the driver's compartment; and
- (l) Rear baggage compartment lights.

3.12 Body/Special Equipment

Note: Body construction that is equivalent to or exceed the requirement as detailed in paragraph 3.12.2 will be acceptable. All dimensions are considered nominal dimensions, unless otherwise specified.

3.12.1 Body Type .

- (a) Configuration A - The body shall be based on a front engine flat nose style bus design; and
- ~~(b) Configuration B - The body shall be based on a rear engine flat nose style bus design.~~

3.12.2 Body Construction

- (a) Exterior Side Panels/Floor - The following applies:
 - i. Outside side panels shall^(E) be constructed of 16 gauge steel and include formed flutes for additional strength. Rear corner panels shall^(E) be constructed of 20 gauge steel;
 - ii. Side panels shall^(E) extend from below the side windows to a distance of 50-cm (19 ¾ inches) below the floor, 50-cm (19 ¾ inch skirt);
 - iii. The engine compartment door shall^(E) be constructed of 4.8-mm (0.190 inch) aluminum and equipped with acoustical panels to reduce engine noise;
 - iv. The front roof cap shall^(E) be formed of 18 gauge steel, and the rear roof cap shall^(E) be formed of 20 gauge steel;
 - v. Roof sheets shall^(E) be 20 gauge steel sheet and span the entire width of the bus, window header to window header, and include an embossed rain visor over the side windows;
 - vi. Front cowl panels shall^(E) be constructed of 16 gauge steel;
 - vii. Floor panels shall^(E) be constructed of 14 gauge steel and reinforced with full width "U" channel cross members, and all riveted floor joints shall^(E) be reinforced with full width 1.8-mm x 30-mm (3/16 x 1½ inch) structural steel angles;
- (b) Inner Panels - The following applies:

- i. A removable 18 gauge steel front upper inner panel shall^(E) be provided to allow access to the front roof cap area;
 - ii. A removable 20 gauge steel rear upper inner panel shall^(E) be provided to allow access to the rear roof cap area;
 - iii. Left and right removable 22 gauge wire moldings shall^(E) be provided to allow access to body wiring harnesses;
 - iv. 20 gauge texturized aluminized steel inside side panels shall^(E) be provided and extend from the window sill down to the floor gusset seat ledge for the entire length of the body on both left and right sides;
 - v. Head lining panels shall^(E) span the entire width of the bus, window header to window header, and be constructed of 22 gauge steel and be double hemmed to provide additional joint strength;
- (c) **Insulation/Noise Reduction** The walls, ceiling and floor shall^(E) be insulated as follows:
- i. Environmentally friendly insulating materials that is chemical and flame resistant;
 - ii. The rear cross-seat area separating the engine and interior passenger compartment is heavily insulated to minimize vibration and noise;
 - iii. 5/8" inch plywood flooring with a continuous sound resistant underneath steel barrier;
 - iv. Sound deadening steel perforated and acoustic headlining insulation used throughout the bus;
 - v. Fibreglass insulation installed on hat channels and between frame areas;
 - vi. The exterior rear fibreglass cap inner surface and top of coolant recovery tank coated sprayed-in foam insulation to a thickness of 38-mm (1.5 inches);
 - vii. Insulating material applied to the underside of the floor construction and over the axles to reduce the transfer of heat, cold and tire noise to the interior of the bus;
 - viii. The roof insulated with 38-mm (1.5 inches) of fibreglass which is compressed when the interior panels installed; and
 - ix. The sidewalls insulated with 38-mm (1.5 inches) foamed rigid block installed between frame members.

3.12.3 Under-Body Luggage Compartments The following shall^(E) be provided:

- (a) Commercially available storage space on each side of the bus (The pass through design will be acceptable);
- (b) All under-body compartment doors capable of swinging upwards approximately 135° to the fully open position, be equipped with weather proof seals, flush mounted, lockable, slam latches and a holding open device(s) complete with gas struts to allow the door(s) to be held in the fully open

position; and

- (c) The compartments sprayed with X- Box Liner and lined with tough perforated vinyl matting such as Dry-Dek® vinyl flooring mat.

3.12.4 Rear Luggage Compartments A luggage compartment completely separate from the passenger area and located at the rear of the bus ***shall*** be provided. The rear storage ***shall***^(E) be equipped with the following features;

- (a) Fully enclosed and separated from the passenger compartment by a full width, full height wall;
- (b) Inside dimensions of approximately 1,955 mm (77 inches) high, 1,371 (54 inches) deep and (90 inches) wide;
- (c) If applicable, all windows covered with a protective screen or bars to prevent damage caused by luggage;
- (d) shelves with net covering;
- (e) A side access door with weather protected locking mechanism; and
- (f) Rear storage area access steps – The storage area access steps ***shall*** be equipped with hinged fold down stairs with handrails. Construction of the stairs ***shall*** hold up to (136 kgs) 300 lbs. Steps ***shall*** be manufactured with a non slip material and cleaning openings. Steps ***shall*** be constructed of a light material.

3.12.5 Heating, Ventilation and Air Conditioning Systems (HVAC)

- (a) **Fuel Fired Coolant Heater** The following applies
 - i A diesel fuel fired coolant heater ***shall*** be provided. The heater ***shall***^(E) have a capacity of 40,000-Btu. The heater will be used to heat the passenger compartment as well as act as a coolant heater for the engine;
 - ii The fuel drawn from the vehicle fuel tank;
 - iii Temperature controls and a 7-day timer;
 - iv The exhaust directed away from critical areas such as wiring;
- (b) **Engine Coolant Space Heaters**, utilizing recirculating air and having the following nominal ratings ***shall***^(E) be provided,
 - i 90,000-Btu front system w/defroster duct;
 - ii 50,000-Btu stepwell heater;
 - iii 2 x 80,000-Btu rear under seat heaters;

- (c) **Air Conditioning System** An interior split system transport A/C air conditioning system **shall** be provided. The system **shall^(E)** be Carrier split system. The system **shall^(E)** have the following features:
- i. An environmentally friendly fluid such as R134A;
 - ii A minimum capacity of 75,000 BTU/hour in the passenger area and 15,000 BTU/hour in the driver area; and
 - iii Air outlets located to evenly distribute cool air to the passengers and driver.

3.12.6 Passenger Seating The bus **shall** be equipped with forward facing seating to accommodate 40 adult passengers. The seats **shall^(E)** have the following features:

- (a) **Cruiser type** forward facing, high back, reclining, cloth covered seats with pivoting arm rests to accommodate 40 passengers. Seats on the rear row **shall^(E)** be non-reclining but of the same quality as the reclining seats;
- (b) Seat belts for first row seats;
- (c) Approximately 914-mm (36 inches) wide and spaced approximately 812-mm (32 inches) apart as measured from the rear of one backrest to the rear of the next. The bench seat **shall^(E)** be 1,066-mm (42-inches) high as measured from the floor to the top of the back of the seat; and
- (d) A detailed line drawing, with dimensions, for the proposed bus interior **shall** be provided.

3.12.7 Interior Features The following **shall** be provided:

- (a) Overhead parcel racks. The front corners of the racks **shall^(E)** be rounded to prevent head injury. The parcel rack **shall^(E)** be furnished with door closer type. Vinyl extrusion over aluminum integral hand rail **shall^(E)** extend the full length of both parcel racks along the aisle side;
- (b) Floor covering for the center aisle and steps. The floor covering **shall^(E)** be Altro ;
- (c) A handrail located on the right side of the entrance door to assist passengers entering and exiting the bus;
- (d) A clear Plexiglas divider located rear of the driver's seat. The installation of the divider **shall** not interfere with the front passenger seat clearance; and
- (e) Side wall carpeting on both sides.

3.12.8 Doors, Windows and Emergency Exits The following applies:

- (a) The passenger door **shall^(E)** be Bi-Fold lockable main door system. The door **shall^(E)** include a side window and a curb window. All door windows **shall** be thermal pane, AS-2 tempered safety glass. An entrance door header pad **shall^(E)** be provided. Means to secure front entrance door **shall** be provided;

- (b) The rear door ***shall*** be equipped with audible warning device to indicate that the door is locked;
- (c) The **Side Windows** in driver area and the passenger compartment ***shall*** be cruiser type with top sliding windows. All windows ***shall*** be emergency exits. Windows ***shall*** be shatter proof, thermal pane, AS 2, tempered safety glass. Windows ***shall*** be tented; and
- (d) Two roof mounted **Emergency Escape Hatches** conforming to Transport Canada regulations ***shall*** be provided.

3.13 Miscellaneous Equipment

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

3.13.2 Recovery/Tow Points Two front and two rear tow hooks or loops of sufficient strength to permit the recovery of the fully loaded vehicle ***shall*** be provided.

3.13.3 License Plate Holders Front and rear holders ***shall*** be provided.

3.13.4 Mud Flaps / Rear Wheel Rubber Splash Guards The following applies:

- (a) Mud flaps ***shall*** be provided behind the front and rear wheels; and
- (b) The rubber splashguards installed on all wheel stations ***shall*^(E)** be provided.

3.13.5 Wheel Changing Tool Wheel changing tools including a heavy-duty jack, capable of lifting the vehicle ***shall*** be provided.

3.13.6 Emergency Equipment The following ***shall*^(E)** be provided:

- (a) A 10 unit First Aid kit, stowed in the general proximity of the driver;
- (b) Two triangular emergency warning flares complete with storage container;
- (c) One fireman's axe, securely mounted and readily accessible in the proximity of the driver; and
- (d) Two dry chemical type fire extinguishers, securely mounted each with a minimum 5BC rating. Fire extinguishers ***shall*^(E)** be located in passenger area, in a convenient location to the driver, and rear cargo compartment.

3.13.7 Destination Sign A front mounted, glass enclosed, illuminated, destination sign, digital display type ***shall*** be provided. The sign ***shall*** list the name of the home base of the particular bus in both English and French, and have six additional blanks.

3.13.8 Backup Camera A backup camera ***shall*** be provided. The camera ***shall*** be equipped with a sound pickup feature mounted at the rear of the vehicle to allow visibility when the bus is being backed up. The camera ***shall*** be positioned to provide maximum coverage. A coloured monitor in the driver's area and positioned within easy view of the driver ***shall*** be provided.

3.14 Commercial Paint and Corrosion Protection

3.14.1 Paint Finish The following applies:

- (a) The vehicle including the cab, chassis and variant systems ***shall*** be painted in accordance with the paint manufacturer's recommendations and the manufacturer's best production procedures, rendering a durable finish and a smooth appearance free from runs, sag and orange peel;
- (b) A phosphate treatment plus primer or an E-coat system ***shall*^(E)** be provided on all ferrous metals. This ***shall*^(E)** be followed by two coats of paint;
- (c) A cleaning and etching treatment plus primer followed by two coats of paint ***shall*^(E)** be provided on all aluminum components; and
- (d) A clear exterior grade sealer ***shall*^(E)** be applied on all wooden surfaces.

3.14.2 Paint Colour The following ***shall*** be provided:

- (a) Colour as requested in paragraph 1.1.1 (Bus Requirement Summary table) with Canadian Forces decals as per Figure - 1. The figure is a representation of the decals and their approximate location and not any of the bus configurations; and
- (b) Chassis items painted black. Chromed, polished and mill finished surfaces ***shall*** not be painted.

3.14.3 Corrosion Protection – The following ***shall*** be applied to the vehicle:

- (a) **Rust Proofing** - Aftermarket rust proofing provided in addition to standard factory rust proofing. The treatment will normally be applied within the first year of service. The treatment date will be directed by the Technical Authority to optimize seasonal rust prevention benefits. If not demanded prior to delivery, a pre-paid certificate authorizing treatment at an aftermarket outlet ***shall*** be provided with the vehicle;
- (b) **Rust Preventative** - All metal surfaces treated with a rust preventative oily film product having the following properties;
 - (i) Moisture displacing;
 - (ii) Creeping (capillary action);
 - (iii) Low solvent content;
 - (iv) Compatibility with rubbers, plastics and all other materials used in automotive construction;
 - (v) Non toxic;
 - (vi) Minimal dripping;
- (c) **Salt Spray Endurance Test** - Written proof of a twelve hour ASTM B117 salt spray endurance test certification by an independent test laboratory. Krown Rust Kontrol and Rust Check

products have been previously certified, proof not required;

- (d) **Application Areas** - The application includes, but is not limited to the underside of fenders and hood, enclosed and boxed-in sections, seams, mouldings, crevices, weld points, underbody and exposed exterior brackets;
- (e) **Warranty Documentation** - A decal and warranty papers accompanying each vehicle; and
- (f) **Availability** – The corrosion protection system ***shall*** be widely available across Canada or available through mobile services.

Note: the following corrosion protection systems are provided as guidance: Krown Rust Kontrol or Rust Check products.

3.15 Miscellaneous

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

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

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

- (a) All plates provided within easy view of the user;
- (b) Instructions for engine starting, transmission operation, variant operations and any other special procedures to be followed; and
- (c) International symbols and/or bilingual markings.

3.15.3 Lubricants and Fluids The following applies:

- (a) Axles, transmission and differentials ***shall*** be furnished with synthetic lubricant. The synthetic lubricant ***shall*** be approved by components manufacturer and furnished by the OEM; and
- (b) The vehicle ***shall*** operate satisfactorily on Canadian Forces Supply Line lubricants including synthetic lubricants. This includes 15W40 and SAE 75W90. Vehicle hydraulic systems ***shall*** operate using DEXRON III.

3.15.4 Bid Package Additional Information The following ***shall*** be provided:

- (a) Up-to-date brochures and other applicable information.
- (b) Details on the warranty, including all separate component warranties; and
- (c) A listing of all applicable operator, maintenance and parts manuals.

3.16 Deliverable Information The following Deliverable Information ***shall*** be provide:

- (a) **Equipment Manuals** -The following manuals **shall** be provided:
- i. **Chassis Operator’s Manual** - Operator’s manual **shall** be furnished in a bilingual format. A hard copy of chassis Operator’s manual **shall** be provided with each vehicle;
 - ii. **Chassis Maintenance (Shop Repair) Manual** - The Maintenance (Shop Repair) Manual **shall** be in English;
 - iii. **Parts Manuals** - The Parts Manuals **shall** be in English;
 - iv. **Sample Manuals** – The contractor **shall** deliver a set of sample manuals, including all documents at items i through iii above. The sample manuals **shall** be delivered to the Technical Authority. Sample manuals will not be returned. In the event that manuals are dependent on first vehicle completion, sample manuals **shall** be submitted within 30 days after the pre-production vehicle approval or first production vehicle inspection. The Technical Authority will provide approval or comments on the manuals within 30 days.

NOTE: Manuals on CD/DVD-ROM or on-line will be acceptable. A hard copy of chassis Operator’s manual **shall** be provided with each vehicle.

- (b) **Data Summary** – The Contractor **shall** provide a Data Summary to the Technical Authority for each vehicle make/model furnished. The Contractor **shall** complete Data Summary by filling in the required data and an electronic picture into a Data Summary template provided by the Technical Authority. The Data Summary **shall** be in bilingual format;
- (c) **Photographs** – The contractor **shall** provide the Technical Authority with two (2) digital pictures for each complete vehicle, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures **shall** be taken with a clear uncluttered background;
- (d) **Warranty Letter** – The contractor **shall** provide a copy of the completed Warranty Letter with each vehicle shipped in the format approved by the Technical Authority. The Contractor **shall** send a copy of the completed Warranty Notification Letter to the Technical Authority for each vehicle shipped, at shipment. A copy of the Warranty Letter **shall** be forwarded to the Technical Authority in electronic format. The Warranty Letter **shall** be in bilingual format;
- (e) **Line Setting Ticket** – The Contractor **shall** provide a Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis. One copy of the Line Setting Ticket **shall** accompany each completed vehicle to the final delivery point. One copy of the Line Setting Ticket **shall** be forwarded to the Technical Authority; and
- (f) **Familiarization** – A Contractor representative **shall** provide a minimum of three hours of Operator familiarization training to a maximum of eight persons and a minimum of three hours of Maintainer familiarization training to a maximum of eight persons. The contractor **shall** provide costs with the bid for all destinations given in the Contract. Transportation costs, travel time, and all related costs for the representative to go to and from the government location **shall** be included in the bid price. A proof of familiarization instruction completion **shall** be provided through a Familiarization Instruction Completion Form. The Form **shall** be completed and signed by an authorized representative. The form **shall** accompany the payment invoice. The Technical

Authority will provide Familiarization Instruction Completion Form template.

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality System Requirements- The Quality System ***shall*** be in compliance with the SACC manuals. The Manuals are detailed in the Request for Proposal (RFP). The contractor ***shall*** be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

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

APPENDIX – 1

TECHNICAL INFORMATION APPENDIX

DETACH, COMPLETE, AND RETURN

CONFIGURATION “A”

1. SCOPE

1.1 SCOPE This Appendix covers technical information to be supplied by each bidder. This information is required by the Technical Authority for technical assessment of equipment offered.

NOTE: IT IS THE BIDDERS RESPONSIBILITY TO CLARIFY OUTSTANDING TECHNICAL ISSUES, BY WRITTEN REQUEST, TO THE CONTRACTING OFFICER PRIOR TO BID SUBMISSION.

PURCHASE DESCRIPTION PARAGRAPHS

Bus Configuration	Engine Location	Colour	Quantity-Destination
“A”	Front	White	2-Esquimalt 1-Dundern 4-Kingston 2-St Jean
“B”	Rear	White	2-Halifax 2-Esquimalt
		Blue	1-St John’s

3.1 Standard Design - As specified? Yes___No___

(a) Make and model

Model year _____

3.2 Operating Conditions - As specified? Yes___No___

3.3 Vehicle Safety Regulations - As specified? Yes___No___

3.4 Human Engineering and Safety - As specified? Yes___No___

3.5 Maintainability - As specified? Yes___No___

3.6 Payload and Weight Rating - As specified? Yes___No___

(a)	Front	Rear	Total
Total curb weight	_____	_____	_____
Maximum payload	_____	_____	_____
Total gross weight	_____	_____	_____

(b) Gross Vehicle Weight Rating (GVWR) _____
Gross Axle Weight Rating (GAWR) – Front _____
Gross Axle Weight Rating (GAWR) – Rear _____

3.7 Dimensions - As specified? Yes___No___

(a) Front axle setback _____

(b) Wheelbase (WB) _____

Overall length (OAL) _____

Overall width _____

Overall interior height (headroom) _____

Overall height _____

Rear overhang _____

3.8 Performance - As specified? Yes___No___

3.8.1 Speed - As specified? Yes___No___

Speed _____

3.8.2 Gradability - As specified? Yes___No___

Gradeability _____

3.8.3 Computer Generated Vehicle Performance Prediction Analysis – Will be provided?
Yes___No___

3.9 Chassis and Power Train

3.9.1 Engine - As specified? Yes___No___

Configuration A – Front engine

(a) Engine make, model and rating _____hp

Configuration B - N/A

3.9.2 Engine Components - As specified? Yes___No___

3.9.3 Fuel system - As specified? Yes___No___

(a) Fuel tank capacity _____ litres (US gals)

3.9.4 Cold Weather Starting Aids - As specified? Yes___No___

(a) Block heater capacity _____ watt

3.9.5 Transmission - As specified? Yes___No___

(a) Transmission make, model and type _____

3.9.6 Steering - As specified? Yes___No___

3.9.7 Brakes - As specified? Yes___No___

3.9.8 Tires and Wheels - As specified? Yes___No___

Front tires make, model and size _____

Rear tires make, model and size _____

Front wheels make, model and size _____

Rear wheels make, model and size _____

3.9.9 Suspension and Axles - As specified? Yes___No___

Front suspension make, model and capacity _____

Rear suspension make, model and capacity _____

Front axle make, model and capacity _____

Rear axle make, model and capacity _____

3.9.10 Frame - As specified? Yes___No___

Frame description _____psi_____RBM

3.9.11 Exhaust System - As specified? Yes___No___

3.10 Cab and Chassis Systems

3.10.1 Cab Features - As specified? Yes___No___

3.10.2 Driver's Seat - As specified? Yes___No___

(a) Driver's Seat Make and Model

3.10.3 Mirrors - As specified? Yes___No___

(a) Rear view mirrors make, model & size _____

(b) Cross view mirror make, model & size _____

3.10.4 Instruments - As specified? Yes___No___

3.10.5 Warning Devices - As specified? Yes___No___

3.10.6 Controls - As specified? Yes___No___

3.10.7 Audio/Video Systems - As specified? Yes___No___

3.11 Electrical System

3.11.1 Electrical System Features - As specified? Yes___No___

(a) Alternator make, model and output _____

3.11.2 Batteries - As specified? Yes___No___

Batteries make, model and capacity _____

3.11.3 Lighting - As specified? Yes___No___

3.12 Body Special Equipment

3.12.1 Body Type -

Configuration A - As specified? Yes___No___

Configuration B – N/A

3.12.2 Body Construction - As specified? Yes___No___

3.12.3 Under Body Luggage Compartments - As specified? Yes___No___

(a) Under floor compartments, dimensions _____

3.12.4 Rear Luggage Compartment - As specified? Yes___No___

Rear luggage compartment dimensions _____

3.12.5 HVAC - As specified? Yes___No___

(a) Fuel fired coolant heater - As specified? Yes___No___

Heater make, model and capacity _____

(b) Engine coolant space heaters - As specified? Yes___No___

Space heaters make, model and capacity _____

(c) Air conditioning system - As specified? Yes ___ No

Air conditioning make, model and capacity _____

3.12.6 Passenger Seating - As specified? Yes___No___

Seats make, and model _____

3.12.7 Interior Features - As specified? Yes___No___

3.12.8 Doors, Windows, and Emergency Exits - As specified? Yes___No___

(a) Front passenger door opening, size _____

(c) Side window, type & size_____

3.13 Miscellaneous Equipment

3.13.1 Equipment Location - As specified? Yes___No___

3.13.2 Recovery/Tow Points - As specified? Yes___No___

3.13.3 License Plate Holders - As specified? Yes___No___

3.13.4 Mud Flaps / Rear Wheel Rubber Splash Guards - As specified? Yes___No___

- 3.13.5 **Wheel Changing Tools** - As specified? Yes___No___
- 3.13.6 **Emergency Equipment** - As specified? Yes___No___
- 3.13.7 **Destination Sign** - As specified? Yes___No___
- 3.13.8 **Backup Camera** - As specified? Yes___No___
- 3.14 **Commercial Paint and Corrosion Protection**
- 3.14.1 **Paint Finish** - As specified? Yes___No___
- 3.14.2 **Paint Colour** - As specified? Yes___No___
- 3.14.3 **Corrosion Protection** - As specified? Yes___No___
- 3.15 **Miscellaneous** 3.15.1 to 3.15.4 - As specified? Yes___No___
- 3.16 **Deliverable Information**
- (a) **Equipment Manuals**- Will be provided as requested? Yes___No___
- (b) **Data Summary** - Will be provided as requested? Yes___No___
- (c) **Photographs** – Will be provided as requested? Yes___No___
- (d) **Warranty Letter** – Will be provided as requested? Yes___No___
- (e) **Line Setting Ticket** – Will be Provided as requested? Yes___No___
- (f) **Familiarization** – Will be provided as requested? Yes___No___

ANNEX C
PURCHASE DESCRIPTION
COMMUTER BUS
CONFIGURATION “B”

1 Scope

1.1 Scope This purchase description describes the requirements for a minimum 40 passenger bus, based on a flat nose commuter bus chassis, diesel engine driven, 4x2, w/dual wheels, under-body luggage storage compartments and rear storage. The bus will be used to transport up to 40-adult passengers for distances up to 300-miles.

1.1.1 Bus Requirement Summary Table The following Table represents the required two bus configurations:

Bus Configuration	Engine Location	Colour	Quantity-Destination
“A”	Front	White	2-Esquimalt 1-Dundern 4-Kingston 2-St Jean
“B”	Rear	White	2-Halifax 2-Esquimalt
		Blue	1-St John’s

1.2 Instructions - The following instructions and definitions apply to the interpretation of this purchase description:

- (a) Requirements, which are identified by the word “***shall***”, are mandatory. Deviations will not be permitted;
- (b) Requirements identified by “***shall***^(E)” are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;
- (c) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;
- (d) Where “***shall***”, “***shall***^(E)”, or “will” are not used, the information provided is for guidance only;

- (e) In this document “provided” ***shall*** mean “provided and installed”;
- (f) Where technical certification is required, a copy of the certification or an acceptable proof of compliance ***shall*** be provided upon request;
- (g) Where a standard or specification is required and the bidder offers an equivalent, that equivalent standard ***shall*** be provided upon demand;
- (h) Where equipment certification to an SAE standard is required, the bidder ***shall*** provide the certification upon request;
- (i) Metric measurements ***shall*** be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (j) Dimensions stated as nominal ***shall*** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.3 Definitions - The following definitions apply to the interpretation of this Purchase Description:

- (a) “Technical Authority” - The government official responsible for technical content of this requirement;
- (b) “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; and
- (c) “Proof of Compliance” - A document such as a brochure, a third party test report, a report generated by third party software, or a certificate of attestation signed by a senior representative of the Original Equipment Manufacturer (such as a certified engineer) indicating the performance and/or feature specified.
- (d) The term "Quality Assurance Representative" is defined as the government officer responsible for ensuring that the contractor quality system, material and services supplied meet the contract requirement;
- (e) “Guidance” is defined as a requirement that may be followed. The guidance is provided to indicate a preferred component Make and Model or dimension that would be best for the application. However, deviating from a guidance doesn’t consider the bid non-compliant;
- (f) “Vehicle” is defined as a commuter type bus, as detailed in this Purchase Description; and
- (g) “Curb Weight” is the empty weight (no payload included) of a full bus. Curb weight ***shall*** include the all attached devices, equipment, and full fuel tanks, lubricants, and coolants.

1.4 Technical Information Appendix The following applies:

- (a) The bidder ***shall*** complete the Technical Information Questionnaire. Failure to provide specified brochures, performance analysis, drawings, curves or tables may render the proposal non-compliant; and

- (b) A nil response to a Technical Information Questionnaire question may be considered non-compliant. Any deviation from the purchase description ***shall*** be listed in the Conformance Certificate.

2 APPLICABLE DOCUMENTS

2.1 Publication The following document forms part of this purchase description. Effective dates ***shall*** be those in effect on the date of manufacture. Source is as shown:

Transport Canada Consolidation of the Motor Vehicle Safety Act and Motor Vehicle Safety Regulations and all applicable revisions TP4360E

Canadian Government Publishing Centre
Supply and Services Canada
Ottawa, Canada, K1A 0S9

2.2 Other Publications The following documents form part of this purchase description. Effective dates ***shall*** be those in effect on the date of manufacture. Sources are as shown:

Society of Automotive Engineers Inc.,
400 Commonwealth Drive, Warrendale, PA, 15096

Standards Council of Canada, International
Standardization Branch, 350 Sparks St.,
Suite 1200, Ottawa, Ontario K1P 6N7

FED STD 595 Colors

GSA - Specification Section
470 L'Enfant Plaza
Suite 8100
Washington, DC 20407
Telephone: (202) 755-0325

NFPA 407

National Fire Protection Association,
470 Atlantic Avenue,
Boston, Mass., 02210, USA

3 REQUIREMENTS

3.1 Standard design The vehicle design ***shall***:

- (a) Be manufacturer's latest model;

- (b) Have demonstrated industry acceptability by having been manufactured and sold commercially; or, objective evidence of the vehicle/equipment's capability to satisfy performance requirements ***shall*** be provided with the proposal;
- (c) Have engineering certification available, upon demand, for this vehicle/equipment from the original manufacturers of major drive train components and major equipment systems and assemblies;
- (d) Conform to all applicable laws, regulations and industry standards governing manufacture, safety, noise levels and pollution in effect in Canada at time of manufacture;
- (e) Not have system and component capacities increased above published ratings (i.e. product or component brochures); and
- (f) Include all components, equipment and accessories normally supplied for the model offered, although they may not be specifically described in this Purchase Description.

3.2 Operating Conditions The vehicle, under all load conditions, ***shall*** operate as follows without degradation in performance, reliability and maintainability:

- (a) On paved roads, gravel roads, dirt roads with severe washboard and potholes and off-road terrain. The vehicle will also operate in areas with severe grades and switchback turns. Conditions include year round operation on snow, mud and ice;
- (b) In the temperature range of – 40°C to 37°C (-40°F to 98°F); and
- (c) With the GVWR specified under all operating conditions.

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

3.4 Human Engineering and Safety The following applies:

- (a) All systems and components ***shall*** be safe and easy to use by a 5-95th percentile male or female under all operating conditions;
- (b) Entry and exit points ***shall*** 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 instruction plates, non-slip surfaces and heat shields ***shall*** be provided where required.

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

3.6 Payload and Weight Rating

3.6.1 Payload The bus ***shall*** be capable of transporting a minimum of **40-adult passengers with luggage**. The payload of passengers ***shall*** be calculated 300 pounds per person and 215 pounds for the

driver. These ratings include provisions for luggage.

3.7 Dimensions The following nominal dimensions shall^(E) be provided:

- (a) Front axle setback between - 1,905 mm and 2,032 mm (75 and 80 inches).
- (b) Wheelbase – 5,892 mm (232inches).
- (c) Overall length – 12 metres (40 feet).
- (d) Overall width – 2,438 mm (96 inches).
- (e) Height – 3,048 mm (120 inches).
- (f) Interior Headroom – 1,905 mm (75 inches).

3.8 Performance

3.8.1 Speed The bus with rated payload shall^(E) achieve a speed of at least 105-kph (65-mph) on good roads.

3.8.2 Gradability/Stall Gradability The loaded vehicle shall^(E) achieve a gradability of 1.2% at 90-km/h (56-mph).

3.8.3 Computer Generated Vehicle Performance Prediction Analysis The Contractor shall provide a computer generated vehicle performance prediction analysis with the Technical Information Questionnaire. Analysis shall be performed with the power train specified and a fully loaded vehicle. A fully loaded vehicle is a fully furnished bus with 40 adult passengers and luggage.

3.9 Chassis and Power Train Systems

3.9.1 Engine Systems The following shall be provided:

Configuration “A”

(a) ~~**Front Engine**~~

- ~~i A turbocharged, electronically controlled diesel engine mounted on the front; and~~
- ~~ii Biggest engine horsepower available for the chassis model offered. If the biggest engine horsepower is an available option for the chassis model offered, this option shall be provided as the vehicle standard engine.~~

Configuration “B”

(b) **Rear/Push Engine** A rear push driven engine

- i A turbocharged, electronically controlled diesel engine mounted on the rear; and

- ii Biggest engine horsepower available for the chassis model offered. If the biggest engine horsepower is an available option for the chassis model offered, this option ***shall*** be provided as the vehicle standard engine; and
- iii Rear engine access compartment door.

3.9.2 Engine Components- The engine ***shall*** include:

- (a) A replaceable dry-type air filter that includes a filter restriction gauge;
- (b) Engine coolant for temperatures down to -40°C (-40°F);
- (c) Engine brake; and
- (d) A cooling system that includes a thermostatic fan.

3.9.3 Fuel System - The vehicle ***shall*** be equipped with:

- (a) A fuel tank with a capacity of at least 378 litres (100 US gals); and
- (b) **Fuel Heater** - A self-regulating in-line electric or coolant type fuel heater to warm the fuel before it enters the fuel filter(s) and to maintain the fuel temperatures above the waxing/gelling point during cold weather operation.

Note: The following fuel heaters are provided as guidance: Arctic Fox or Fuel Pro

3.9.4 Cold Weather Starting Aids- The vehicle ***shall*** be equipped with:

- (a) A 110-volt coolant block heater of the highest wattage capacity recommended by the engine manufacturer;
- (b) A fuel filter/water separator incorporating a thermostatically controlled heater; and
- (c) 150-Watt, minimum, oil preheater.

3.9.5 Transmission The following applies:

- (a) A fully automatic transmission ***shall*** be provided. The transmission ***shall*^(E)** be a 5 forward-speed;
- (b) **The transmission/engine *shall* be programmed to prohibit the fast idle from engaging when the transmission is in gear and the parking brake is applied;**
- (c) **The transmission/engine *shall* be programmed to prohibit the transmission from engaging when the fast idle is engaged and the parking brake is applied; and**
- (d) An oil filter ***shall*^(E)** be provided.

3.9.6 Steering Power steering with a tilt telescopic steering column ***shall*** be provided.

3.9.7 Brakes The following *shall* be provided:

- (a) A four-channel anti-lock brake system (ABS);
- (b) S-Cam type air brakes;
- (c) Brake housing dust shields;
- (d) Automatic slack adjusters;
- (e) Front and rear wheel visual brake stroke indicators;
- (f) A heated automatic moisture-expelling valve;
- (g) The wet tank capable of being recharged using a glad hand;
- (h) An automatic heated air dryer; and
- (i) A minimum .367 cu m/min (13.2 cfm) compressor.

3.9.8 Tires and Wheels The following *shall^(E)* be provided:

- (a) Tubeless steel belted radial tires;
- (b) Mud/snow tires on the rear axles;
- (c) 8.25 X 22.5 hub pilot mounted disc wheels. The disc wheels including the spare *shall^(E)* be interchangeable front and rear;
- (d) A spare wheel and tire assembly; and
- (e) All wheel assemblies balanced to preclude shimmy at all speeds.

3.9.9 Suspension and Axles The following *shall^(E)* be provided:

- (a) Air suspension on front and rear axle;
- (b) Automatic height control valve (s);
- (c) Double acting shock absorbers on all axles;
- (d) A no spin differential;
- (e) A front axle & suspension capacity of at least 6,622 kg (13,200 lbs); and
- (f) A rear axle & suspension capacity of at least 10,432 kg (23,000 lbs).

3.9.10 Frame The frame *shall* be reinforced at the towing points and be suitable for the application.

3.9.11 Exhaust System The exhaust shall^(E) be vented to the rear of the bus.

3.10 Cab and Chassis Systems

3.10.1 Cab Features The following shall be provided:

- (a) A flat nose type vehicle;
- (b) Fully adjustable interior sun visor(s);
- (c) A coat hook(s) for the driver, conveniently located in the driver's area;
- (d) Tinted glass in all windows;
- (e) Two heavy duty, adjustable, electric windshield fans, equipped with blade guards, for the left side windshield. One located in the upper left corner of the left side windshield and the other located in the centre of the base of the windshield. The fans will be used to augment the windshield defrosting system;
- (f) Driver's beverage and cell phone holders supplied in the driver area;
- (g) One interior light to illuminate the driver's area; and
- (h) A fold-down, transparent, tinted sun visor located above the left, driver's side window.

3.10.2 Driver's Seat The following shall be provided:

- (a) A six way, high back, air ride, power, fully pneumatic driver's seat with lumbar support, cloth inserts with pivoting arms rests; and
- (b) Retractable shoulder/lap belt assemblies, adjustable up and down on the post for adjustable height, for the driver's seat.

3.10.3 Mirrors The following with nominal dimensions shall^(E) be provided:

- (a) Two sets of mirrors, each consisting of one 9 x 10 inch flat, heated, power operated mirror and one adjustable 4 x 6 inch convex mirror mounted above the large mirrors on the left and right sides of the bus. The requirement for a left side motorized mirror can be waived if not available for this model of bus;
- (b) A cross view stainless steel mirror mounted on the right front corner;
- (c) One interior, adjustable, rear view mirror, measuring approximately 6 x 10 inches mounted in the driver's compartment and positioned to allow the driver full view of the interior of the coach. The mirror shall^(E) have protected edges; and
- (i) Replaceable heads or glass.

3.10.4 Instruments The following shall be provided:

- (a) A tachometer;
- (b) An odometer;
- (c) A coolant temperature gauge;
- (d) A transmission temperature gauge;
- (e) An oil pressure gauge; and
- (f) A voltmeter or ammeter.

3.10.5 Warning Devices The following ***shall*** be provided:

- (a) A warning light for low oil pressure;
- (b) A warning light for high coolant temperature;
- (c) A warning light for high transmission temperature;
- (d) A warning light and audible warning device to indicate unlatched doors and/or emergency exits; and
- (e) An audible reverse alarm.

3.10.6 Controls The following ***shall*** be provided:

- (a) Fast idle control, with manual on/off, and equipped with an automatic on/off switch that disengages when the brakes are applied or the transmission selector is moved into gear;
- (b) The fast idle feature ***shall*** be configured so as not to allow the fast idle to be engaged when the transmission is in gear and the parking brake is applied;
- (c) Cruise Control;
- (d) Air horns. Snow shields ***shall*** be provided if the horns are fully exposed to the elements;
- (e) Intermittent windshield wipers;
- (f) Electric windshield washers;
- (g) Volume controls for the radio system within an easy reach of the driver; and
- (h) Reading map light switch installed on dash and within an easy reach of the driver.

3.10.7 Audio/Video Systems The following ***shall*^(E)** be provided:

- (a) Pre-wired radio compartment including a conduit, wiring harness to support a Motorola XTL

1500 VHF M28KSSPW1 N dash mount 2-way radio system. All controls **shall** be in the driver's area;

- (b) An AM/FM /CD radio with USB and Aux port with public address system;
- (c) In addition to the OEM radio speakers, an additional eight speakers **shall^(E)** be mounted on the ceiling in the passenger area. The radio **shall^(E)** be equipped with a volume and fader control for the speakers in the passenger area;
- (d) A DVD player with at least six 38 cm (15-in) colour LCD wide-screen TV monitors three on each side, suitably located below the parcel rack; and
- (e) Linebacker VHF Omni-directional transit antenna.

3.11 Electrical System

3.11.1 Electrical System Features The following **shall** be provided:

- (a) A 270-amp alternator;
- (b) A 12-VDC power outlet with surge protection in driver area;
- (c) A slave receptacle located in the vicinity of the battery compartment. The slave receptacle **shall^(E)** be Grot Part # 84-9279;
- (d) All wiring, including the bus body, protected by insulating grommets where passing through metal; and
- (e) All electrical circuits, including the bus body, protected with fuses, relays or circuit breakers.

3.11.2 Batteries Heavy-duty maintenance free batteries **shall** be provided. The batteries **shall^(E)** have a total capacity of 2300-CCA.

3.11.3 Lighting All bus lighting **shall** be LED, as commercially available. The lighting system **shall^(E)** include:

- (a) Halogen headlights;
- (b) White fog lights;
- (c) Clearance, stop, tail and turn signal and licence plate lights;
- (d) A stoplight mounted center and at least at eye level on the rear of the bus;
- (e) Amber rear turn signal lights and mid ship left and right turning/clearance lights;
- (f) Lights and reflectors shock mounted, recessed or otherwise protected from damage;
- (g) An engine compartment light;

- (h) An appropriate number of centre aisle, ceiling lamps with Clear dome cover and independent switches convenient to the driver. The ceiling lamps shall^(E) minimize glare to the driver;
- (i) A protected stepwell light mounted in the right hand front part of the stepwell. The light shall^(E) be energized when any door is opened or the interior lights are energized;
- (j) Individual passenger reading lights located under the overhead parcel rack with on/off push buttons; and
- (k) Under-body luggage compartment lights activated through pin switches when the doors are opened, or by an illuminated master light switch located in the driver's compartment; and
- (l) Rear baggage compartment lights.

3.12 Body/Special Equipment

Note: Body construction that is equivalent to or exceed the requirement as detailed in paragraph 3.12.2 will be acceptable. All dimensions are considered nominal dimensions, unless otherwise specified.

3.12.1 Body Type

- ~~(a) Configuration A - The body shall be based on a front engine flat nose style bus design; and~~
- (b) Configuration B - The body shall be based on a rear engine flat nose style bus design.

3.12.2 Body Construction

- (a) Exterior Side Panels/Floor - The following applies:
 - i. Outside side panels shall^(E) be constructed of 16 gauge steel and include formed flutes for additional strength. Rear corner panels shall^(E) be constructed of 20 gauge steel;
 - ii. Side panels shall^(E) extend from below the side windows to a distance of 50-cm (19 ¾ inches) below the floor, 50-cm (19 ¾ inch skirt);
 - iii. The engine compartment door shall^(E) be constructed of 4.8-mm (0.190 inch) aluminum and equipped with acoustical panels to reduce engine noise;
 - iv. The front roof cap shall^(E) be formed of 18 gauge steel, and the rear roof cap shall^(E) be formed of 20 gauge steel;
 - v. Roof sheets shall^(E) be 20 gauge steel sheet and span the entire width of the bus, window header to window header, and include an embossed rain visor over the side windows;
 - vi. Front cowl panels shall^(E) be constructed of 16 gauge steel;
 - vii. Floor panels shall^(E) be constructed of 14 gauge steel and reinforced with full width "U" channel cross members, and all riveted floor joints shall^(E) be reinforced with full width 1.8-mm x 30-mm

(3/16 x 1½ inch) structural steel angles;

(b) Inner Panels - The following applies:

- i. A removable 18 gauge steel front upper inner panel shall^(E) be provided to allow access to the front roof cap area;
- ii. A removable 20 gauge steel rear upper inner panel shall^(E) be provided to allow access to the rear roof cap area;
- iii. Left and right removable 22 gauge wire moldings shall^(E) be provided to allow access to body wiring harnesses;
- iv. 20 gauge texturized aluminized steel inside side panels shall^(E) be provided and extend from the window sill down to the floor gusset seat ledge for the entire length of the body on both left and right sides;
- v. Head lining panels shall^(E) span the entire width of the bus, window header to window header, and be constructed of 22 gauge steel and be double hemmed to provide additional joint strength;

(c) Insulation/Noise Reduction The walls, ceiling and floor shall^(E) be insulated as follows:

- i. Environmentally friendly insulating materials that is chemical and flame resistant;
- ii. The rear cross-seat area separating the engine and interior passenger compartment is heavily insulated to minimize vibration and noise;
- iii. 5/8" inch plywood flooring with a continuous sound resistant underneath steel barrier;
- iv. Sound deadening steel perforated and acoustic headlining insulation used throughout the bus;
- v. Fibreglass insulation installed on hat channels and between frame areas;
- vi. The exterior rear fibreglass cap inner surface and top of coolant recovery tank coated sprayed-in foam insulation to a thickness of 38-mm (1.5 inches);
- vii. Insulating material applied to the underside of the floor construction and over the axles to reduce the transfer of heat, cold and tire noise to the interior of the bus;
- viii. The roof insulated with 38-mm (1.5 inches) of fibreglass which is compressed when the interior panels installed; and
- ix. The sidewalls insulated with 38-mm (1.5 inches) foamed rigid block installed between frame members.

3.12.3 Under-Body Luggage Compartments The following shall^(E) be provided:

- (a) Commercially available storage space on each side of the bus (The pass through design will be acceptable);

- (b) All under-body compartment doors capable of swinging upwards approximately 135° to the fully open position, be equipped with weather proof seals, flush mounted, lockable, slam latches and a holding open device(s) complete with gas struts to allow the door(s) to be held in the fully open position; and
- (c) The compartments sprayed with X- Box Liner and lined with tough perforated vinyl matting such as Dry-Dek® vinyl flooring mat.

3.12.4 Rear Luggage Compartments A luggage compartment completely separate from the passenger area and located at the rear of the bus shall be provided. The rear storage shall^(E) be equipped with the following features;

- (a) Fully enclosed and separated from the passenger compartment by a full width, full height wall;
- (b) Inside dimensions of approximately 1,955 mm (77 inches) high, 1,371 (54 inches) deep and (90 inches) wide;
- (c) If applicable, all windows covered with a protective screen or bars to prevent damage caused by luggage;
- (d) shelves with net covering;
- (e) A side access door with weather protected locking mechanism; and
- (f) Rear storage area access steps – The storage area access steps shall be equipped with hinged fold down stairs with handrails. Construction of the stairs shall hold up to (136 kgs) 300 lbs. Steps shall be manufactured with a non slip material and cleaning openings. Steps shall be constructed of a light material.

3.12.5 Heating, Ventilation and Air Conditioning Systems (HVAC)

- (a) **Fuel Fired Coolant Heater** The following applies:
 - i A diesel fuel fired coolant heater shall be provided. The heater shall^(E) have a capacity of 40,000-Btu. The heater will be used to heat the passenger compartment as well as act as a coolant heater for the engine;
 - ii The fuel drawn from the vehicle fuel tank;
 - iii Temperature controls and a 7-day timer;
 - iv The exhaust directed away from critical areas such as wiring;
- (b) **Engine Coolant Space Heaters**, utilizing recirculating air and having the following nominal ratings shall^(E) be provided,
 - i 90,000-Btu front system w/defroster duct;

- ii 50,000-Btu stepwell heater;
 - iii 2 x 80,000-Btu rear under seat heaters;
- (c) **Air Conditioning System** An interior split system transport A/C air conditioning system **shall** be provided. The system **shall**^(E) be Carrier split system. The system **shall**^(E) have the following features:
- i. An environmentally friendly fluid such as R134A;
 - ii A minimum capacity of 75,000 BTU/hour in the passenger area and 15,000 BTU/hour in the driver area; and
 - iii Air outlets located to evenly distribute cool air to the passengers and driver.

3.12.6 Passenger Seating The bus **shall** be equipped with forward facing seating to accommodate 40 adult passengers. The seats **shall**^(E) have the following features:

- (a) **Cruiser type** forward facing, high back, reclining, cloth covered seats with pivoting arm rests to accommodate 40 passengers. Seats on the rear row **shall**^(E) be non-reclining but of the same quality as the reclining seats.
- (b) Approximately 914-mm (36 inches) wide and spaced approximately 812-mm (32 inches) apart as measured from the rear of one backrest to the rear of the next. The bench seat **shall**^(E) be 1,066-mm (42-inches) high as measured from the floor to the top of the back of the seat; and
- (a) A detailed line drawing, with dimensions, for the proposed bus interior **shall** be provided.

3.12.7 Interior Features The following **shall** be provided:

- (a) Overhead parcel racks. The front corners of the racks **shall**^(E) be rounded to prevent head injury. The parcel rack **shall**^(E) be furnished with door closer type. Vinyl extrusion over aluminum integral hand rail **shall**^(E) extend the full length of both parcel racks along the aisle side;
- (b) Floor covering for the center aisle and steps. The floor covering **shall**^(E) be Altro ;
- (c) A handrail located on the right side of the entrance door to assist passengers entering and exiting the bus;
- (d) A clear Plexiglas divider located rear of the driver's seat. The installation of the divider **shall** not interfere with the front passenger seat clearance; and
- (e) Side wall carpeting on both sides.

3.12.8 Doors, Windows and Emergency Exits The following applies:

- (a) The passenger door **shall**^(E) be Bi-Fold lockable main door system. The door **shall**^(E) include a side window and a curb window. All door windows **shall** be thermal pane, AS-2 tempered safety glass. An entrance door header pad **shall**^(E) be provided. Means to secure front entrance door

shall be provided;

- (b) The rear door shall be equipped with audible warning device to indicate that the door is locked;
- (c) The **Side Windows** in driver area and the passenger compartment shall be cruiser type with top sliding windows. All windows shall be emergency exits. Windows shall be shatter proof, thermal pane, AS 2, tempered safety glass. Windows shall be tented; and
- (d) Two roof mounted **Emergency Escape Hatches** conforming to Transport Canada regulations shall be provided.

3.13 Miscellaneous Equipment

3.13.1 Equipment Location All systems and components shall^(E) be properly located and/or protected from road hazards such as water, mud and gravel.

3.13.2 Recovery/Tow Points Two front and two rear tow hooks or loops of sufficient strength to permit the recovery of the fully loaded vehicle shall be provided.

3.13.3 License Plate Holders Front and rear holders shall be provided.

3.13.4 Mud Flaps / Rear Wheel Rubber Splash Guards The following applies:

- (a) Mud flaps shall be provided behind the front and rear wheels; and
- (b) The rubber splashguards installed on all wheel stations shall^(E) be provided.

3.13.5 Wheel Changing Tool Wheel changing tools including a heavy-duty jack, capable of lifting the vehicle shall be provided.

3.13.6 Emergency Equipment The following shall^(E) be provided:

- (a) A 10 unit First Aid kit, stowed in the general proximity of the driver;
- (b) Two triangular emergency warning flares complete with storage container;
- (c) One fireman's axe, securely mounted and readily accessible in the proximity of the driver; and
- (d) Two dry chemical type fire extinguishers, securely mounted each with a minimum 5BC rating. Fire extinguishers shall^(E) be located in passenger area, in a convenient location to the driver, and rear cargo compartment.

3.13.7 Destination Sign A front mounted, glass enclosed, illuminated, destination sign, digital display type shall be provided. The sign shall list the name of the home base of the particular bus in both English and French, and have six additional blanks.

3.13.8 Backup Camera A backup camera shall be provided. The camera shall be equipped with a sound pickup feature mounted at the rear of the vehicle to allow visibility when the bus is being backed up. The camera shall be positioned to provide maximum coverage. A coloured monitor

in the driver's area and positioned within easy view of the driver **shall** be provided.

3.14 Commercial Paint and Corrosion Protection

3.14.1 Paint Finish The following applies:

- (a) The vehicle including the cab, chassis and variant systems **shall** be painted in accordance with the paint manufacturer's recommendations and the manufacturer's best production procedures, rendering a durable finish and a smooth appearance free from runs, sag and orange peel;
- (b) A phosphate treatment plus primer or an E-coat system **shall^(E)** be provided on all ferrous metals. This **shall^(E)** be followed by two coats of paint;
- (c) A cleaning and etching treatment plus primer followed by two coats of paint **shall^(E)** be provided on all aluminum components; and
- (d) A clear exterior grade sealer **shall^(E)** be applied on all wooden surfaces.

3.14.2 Paint Colour The following **shall** be provided:

- (a) Colour as requested in paragraph 1.1.1 (Bus Requirement Summary table) with Canadian Forces decals as per Figure - 1. The figure is a representation of the decals and their approximate location and not any of the bus configurations; and
- (b) Chassis items painted black. Chromed, polished and mill finished surfaces **shall** not be painted.

3.14.3 Corrosion Protection – The following **shall** be applied to the vehicle:

- (a) **Rust Proofing** - Aftermarket rust proofing provided in addition to standard factory rust proofing. The treatment will normally be applied within the first year of service. The treatment date will be directed by the Technical Authority to optimize seasonal rust prevention benefits. If not demanded prior to delivery, a pre-paid certificate authorizing treatment at an aftermarket outlet **shall** be provided with the vehicle;
- (b) **Rust Preventative** - All metal surfaces treated with a rust preventative oily film product having the following properties;
 - (i) Moisture displacing;
 - (ii) Creeping (capillary action);
 - (iii) Low solvent content;
 - (iv) Compatibility with rubbers, plastics and all other materials used in automotive construction;
 - (v) Non toxic;
 - (vi) Minimal dripping;

- (c) **Salt Spray Endurance Test** - Written proof of a twelve hour ASTM B117 salt spray endurance test certification by an independent test laboratory. Krown Rust Kontrol and Rust Check products have been previously certified, proof not required;
- (d) **Application Areas** - The application includes, but is not limited to the underside of fenders and hood, enclosed and boxed-in sections, seams, mouldings, crevices, weld points, underbody and exposed exterior brackets;
- (e) **Warranty Documentation** - A decal and warranty papers accompanying each vehicle; and
- (f) **Availability** – The corrosion protection system shall be widely available across Canada or available through mobile services.

Note: the following corrosion protection systems are provided as guidance: Krown Rust Kontrol or Rust Check products.

3.15 Miscellaneous

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

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

3.15.2 Warning and Instruction Plates The following shall be provided:

- (a) All plates provided within easy view of the user;
- (b) Instructions for engine starting, transmission operation, variant operations and any other special procedures to be followed; and
- (c) International symbols and/or bilingual markings.

3.15.3 Lubricants and Fluids The following applies:

- (a) Axles, transmission and differentials shall be furnished with synthetic lubricant. The synthetic lubricant shall be approved by components manufacturer and furnished by the OEM; and
- (b) The vehicle shall operate satisfactorily on Canadian Forces Supply Line lubricants including synthetic lubricants. This includes 15W40 and SAE 75W90. Vehicle hydraulic systems shall operate using DEXRON III.

3.15.4 Bid Package Additional Information The following shall be provided:

- (a) Up-to-date brochures and other applicable information.
- (b) Details on the warranty, including all separate component warranties; and
- (c) A listing of all applicable operator, maintenance and parts manuals.

3.16 **Deliverable Information** The following Deliverable Information ***shall*** be provide:

- (a) **Equipment Manuals** -The following manuals ***shall*** be provided:
- i. **Chassis Operator’s Manual** - Operator’s manual ***shall*** be furnished in a bilingual format. A hard copy of chassis Operator’s manual ***shall*** be provided with each vehicle;
 - ii. **Chassis Maintenance (Shop Repair) Manual** - The Maintenance (Shop Repair) Manual ***shall*** be in English;
 - iii. **Parts Manuals** - The Parts Manuals ***shall*** be in English;
 - iv. **Sample Manuals** – The contractor ***shall*** deliver a set of sample manuals, including all documents at items i through iii above. The sample manuals ***shall*** be delivered to the Technical Authority. Sample manuals will not be returned. In the event that manuals are dependent on first vehicle completion, sample manuals ***shall*** be submitted within 30 days after the pre-production vehicle approval or first production vehicle inspection. The Crown will provide approval or comments on the manuals within 30 days.

NOTE: Manuals on CD/DVD-ROM or on-line will be acceptable. A hard copy of chassis Operator’s manual ***shall*** be provided with each vehicle.

- (b) **Data Summary** – The Contractor ***shall*** provide a Data Summary to the Technical Authority for each vehicle make/model furnished. The Contractor ***shall*** complete Data Summary by filling in the required data and an electronic picture into a Data Summary template provided by the Technical Authority. The Data Summary ***shall*** be in bilingual format;
- (c) **Photographs** – The contractor ***shall*** provide the Technical Authority with two (2) digital pictures for each complete vehicle, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures ***shall*** be taken with a clear uncluttered background;
- (d) **Warranty Letter** – The contractor ***shall*** provide a copy of the completed Warranty Letter with each vehicle shipped in the format approved by the Technical Authority. The Contractor ***shall*** send a copy of the completed Warranty Notification Letter to the Technical Authority for each vehicle shipped, at shipment. A copy of the Warranty Letter ***shall*** be forwarded to the Technical Authority in electronic format. The Warranty Letter ***shall*** be in bilingual format;
- (e) **Line Setting Ticket** – The Contractor ***shall*** provide a Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis. One copy of the Line Setting Ticket ***shall*** accompany each completed vehicle to the final delivery point. One copy of the Line Setting Ticket ***shall*** be forwarded to the Technical Authority; and
- (f) **Familiarization** – A Contractor representative ***shall*** provide a minimum of three hours of Operator familiarization training to a maximum of eight persons and a minimum of three hours of Maintainer familiarization training to a maximum of eight parsons. The contractor ***shall*** provide costs with the bid for all destinations given in the Contract. Transportation costs, travel time, and all related costs for the representative to go to and from the government location ***shall*** be included

in the bid price. A proof of familiarization instruction completion ***shall*** be provided through a Familiarization Instruction Completion Form. The Form ***shall*** be completed and signed by an authorized representative. The form ***shall*** accompany the payment invoice. The Technical Authority will provide Familiarization Instruction Completion Form template.

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality System Requirements- The Quality System ***shall*** be in compliance with the SACC manuals. The Manuals are detailed in the Request for Proposal (RFP). The contractor ***shall*** be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

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

Decal Design

Note: This figure is only meant to show the design and approximate placement of the decals.

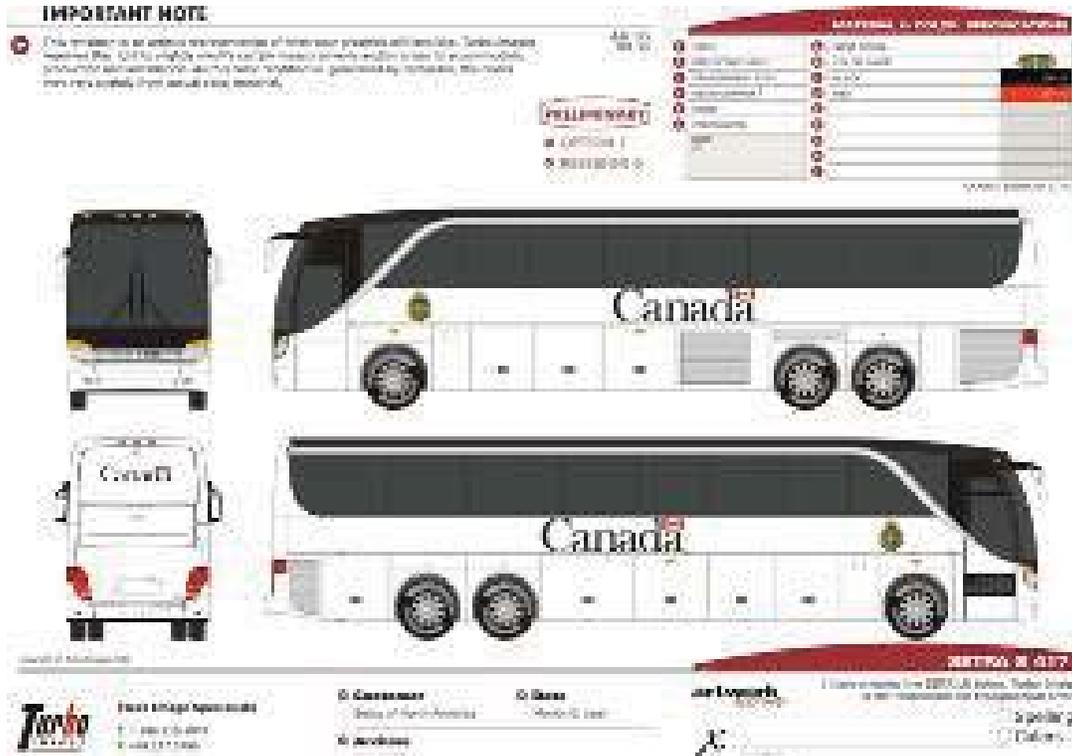


Figure - 1

APPENDIX – 2

TECHNICAL INFORMATION APPENDIX

DETACH, COMPLETE, AND RETURN

CONFIGURATION “B”

1. SCOPE

1.1 SCOPE This Appendix covers technical information to be supplied by each bidder. This information is required by the Technical Authority for technical assessment of equipment offered.

NOTE: IT IS THE BIDDERS RESPONSIBILITY TO CLARIFY OUTSTANDING TECHNICAL ISSUES, BY WRITTEN REQUEST, TO THE CONTRACTING OFFICER PRIOR TO BID SUBMISSION.

PURCHASE DESCRIPTION PARAGRAPHS

Bus Configuration	Engine Location	Colour	Quantity-Destination
“A”	Front	White	2-Esquimalt 1-Dundern 4-Kingston 2-St Jean
“B”	Rear	White	2-Halifax 2-Esquimalt
		Blue	1-St John’s

3.1 Standard Design - As specified? Yes___No___

(a) Make and model

Model year _____

3.2 Operating Conditions - As specified? Yes___No___

3.3 Vehicle Safety Regulations - As specified? Yes___No___

3.4 Human Engineering and Safety - As specified? Yes___No___

3.5 Maintainability - As specified? Yes___No___

3.6 Payload and Weight Rating - As specified? Yes___No___

(a)	Front	Rear	Total
Total curb weight	_____	_____	_____
Maximum payload	_____	_____	_____
Total gross weight	_____	_____	_____

(b) Gross Vehicle Weight Rating (GVWR) _____
 Gross Axle Weight Rating (GAWR) – Front _____
 Gross Axle Weight Rating (GAWR) – Rear _____

3.7 Dimensions - As specified? Yes___No___

(a) Front axle setback _____

(b) Wheelbase (WB) _____

Overall length (OAL) _____

Overall width _____

Overall interior height (headroom) _____

Overall height _____

Rear overhang _____

3.8 Performance - As specified? Yes___No___

3.8.1 Speed - As specified? Yes___No___

Speed _____

3.8.2 Gradability - As specified? Yes___No___

Gradeability _____

3.8.3 Computer Generated Vehicle Performance Prediction Analysis – Will be provided?
 Yes___No___

3.9 Chassis and Power Train

3.9.1 Engine - As specified? Yes___No___

Configuration A – N/A

Configuration B – Rear engine

(b) Engine make, model and rating _____hp

3.9.2 Engine Components - As specified? Yes___No___

3.9.3 Fuel system - As specified? Yes___No___

(a) Fuel tank capacity _____ litres (US gals)

3.9.4 Cold Weather Starting Aids - As specified? Yes___No___

(a) Block heater capacity _____ watt

3.9.5 Transmission - As specified? Yes___No___

(a) Transmission make, model and type _____

3.9.6 Steering - As specified? Yes___No___

3.9.7 Brakes - As specified? Yes___No___

3.9.8 Tires and Wheels - As specified? Yes___No___

Front tires make, model and size _____

Rear tires make, model and size _____

Front wheels make, model and size _____

Rear wheels make, model and size _____

3.9.9 Suspension and Axles - As specified? Yes___No___

Front suspension make, model and capacity _____

Rear suspension make, model and capacity _____

Front axle make, model and capacity _____

Rear axle make, model and capacity _____

3.9.10 **Frame** - As specified? Yes___No___

Frame description _____psi_____RBM

3.9.11 **Exhaust System** - As specified? Yes___No___

3.10 Cab and Chassis Systems

3.10.1 **Cab Features** - As specified? Yes___No___

3.10.2 **Driver's Seat** - As specified? Yes___No___

(a) Driver's Seat Make and Model

3.10.3 **Mirrors** - As specified? Yes___No___

(a) Rear view mirrors make, model & size _____

(b) Cross view mirror make, model & size _____

3.10.4 **Instruments** - As specified? Yes___No___

3.10.5 **Warning Devices** - As specified? Yes___No___

3.10.6 **Controls** - As specified? Yes___No___

3.10.7 **Audio/Video Systems** - As specified? Yes___No___

3.11 Electrical System

3.11.1 **Electrical System Features** - As specified? Yes___No___

(a) Alternator make, model and output _____

3.11.2 **Batteries** - As specified? Yes___No___

Batteries make, model and capacity _____

3.11.3 **Lighting** - As specified? Yes___No___

3.12 Body Special Equipment

3.12.1 **Body Type** -

Configuration A – N/A

- Configuration B - As specified? Yes___No___
- 3.12.2 Body Construction** - As specified? Yes___No___
- 3.12.3 Under Body Luggage Compartments** - As specified? Yes___No___
- (a) Under floor compartments, dimensions _____
- 3.12.4 Rear Luggage Compartment** - As specified? Yes___No___
- (a) Rear luggage compartment, Dimensions _____
- 3.12.5 HVAC** - As specified? Yes___No___
- (a) Fuel fired coolant heater - As specified? Yes___No___
- Heater make, model and capacity _____
- (b) Engine coolant space heaters - As specified? Yes___No___
- Space heaters make, model and capacity _____
- (c) Air conditioning system - As specified? Yes ___ No
- Air conditioning make, model and capacity _____
- 3.12.6 Passenger Seating** - As specified? Yes___No___
- Seats make, and model _____
- 3.12.7 Interior Features** - As specified? Yes___No___
- 3.12.8 Doors, Windows, and Emergency Exits** - As specified? Yes___No___
- (a) Front passenger door opening, size _____
- (c) Side window, type & size_____
- 3.13 Miscellaneous Equipment**
- 3.13.1 Equipment Location** - As specified? Yes___No___
- 3.13.2 Recovery/Tow Points** - As specified? Yes___No___
- 3.13.3 License Plate Holders** - As specified? Yes___No___
- 3.13.4 Mud Flaps / Rear Wheel Rubber Splash Guards** - As specified? Yes___No___

- 3.13.5 **Wheel Changing Tools** - As specified? Yes___No___
- 3.13.6 **Emergency Equipment** - As specified? Yes___No___
- 3.13.7 **Destination Sign** - As specified? Yes___No___
- 3.13.8 **Backup Camera** - As specified? Yes___No___
- 3.14 **Commercial Paint and Corrosion Protection**
- 3.14.1 **Paint Finish** - As specified? Yes___No___
- 3.14.2 **Paint Colour** - As specified? Yes___No___
- 3.14.3 **Corrosion Protection** - As specified? Yes___No___
- 3.15 **Miscellaneous** 3.15.1 to 3.15.4 - As specified? Yes___No___
- 3.16 **Deliverable Information**
- (a) **Equipment Manuals**- Will be provided as requested? Yes___No___
- (b) **Data Summary** - Will be provided as requested? Yes___No___
- (c) **Photographs** – Will be provided as requested? Yes___No___
- (d) **Warranty Letter** – Will be provided as requested? Yes___No___
- (e) **Line Setting Ticket** – Will be Provided as requested? Yes___No___
- (f) **Familiarization** – Will be provided as requested? Yes___No___

