



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

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

**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

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

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

Title - Sujet Truck, Lavatory Service, Aircraft	
Solicitation No. - N° de l'invitation W8476-175552/A	Date 2016-09-30
Client Reference No. - N° de référence du client W8476-175552	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-539-71653	
File No. - N° de dossier hp539.W8476-175552	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-14	Time Zone Fuseau horaire Eastern Standard Time EST
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: Cafferty, Kathy	Buyer Id - Id de l'acheteur hp539
Telephone No. - N° de téléphone (873) 469-3322 ()	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

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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Appendix 1 - Technical Information Questionnaire dated 2016-09-01

PART 1 - GENERAL INFORMATION

1.1 Requirement

Canada is seeking proposals to procure Qty 3, **Truck, Aircraft Lavatory Service** and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Aircraft Lavatory Service Truck dated 2016-09-01.

1.2. Debriefings

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

1.3. Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The **2003 (2016-04-04)** Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: sixty (60) days
Insert: ninety (90) days

2.2 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.

2.3 Enquiries - Bid Solicitation

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

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

2.4 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.

2.5 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

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (2 hard copies);

Section II: Financial Bid (1 hard copy);

Section III: Certifications (1 hard copy);

Section IV: Additional Information (1 hard copy)

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

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

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

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

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

Section I: Technical Bid

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

Bidders should complete and submit with their bid the following;

- Appendix "1" - Technical Information Questionnaire dated 2016-09-01.

3.2 Substitute and Alternatives

Bidders may propose substitutes and alternatives where **"equivalent"** is indicated in the technical requirement description (Purchase Description/Statement of Requirement/Statement of Work). Offerors/suppliers are encouraged to offer or suggest green solutions whenever possible.

3.2.1 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.

3.2.2 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.

Section II: Financial Bid

Bidders must submit their bid in accordance with the Basis of Payment specified in Part 7 and Annex A - Pricing.

3.3 SACC Manual Clauses

3.3.1 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form PWGSC-TPSGC 450 , Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.

2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#), for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

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

Section IV: Additional Information

Canada requests that bidders submit the following information:

3.4 Delivery

3.4.1 Firm Quantity

While delivery of the vehicles is requested by 31 March 2017, the best delivery that can be offered is as follows:

Item 001 – Qty 3, **Truck, Aircraft Lavatory Service** and related items will be delivered within _____ calendar days from the effective date of the contract.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1. Evaluation Procedures

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

4.1.1 Mandatory Technical Evaluation Criteria

4.1.1.1 Mandatory Proof of Compliance

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

4.1.1.2 Substitutes and/or Alternatives

Bidders proposing substitutes and/or alternatives must submit, with their bid all the information requested as detailed in Part 3, section 2 - Substitutes and Alternatives to be considered for evaluation.

4.1.2 Mandatory Financial Evaluation Criteria

4.1.2.1 Bidders must provide, with their bid, the financial information requested in the bid solicitation and at Annex "A" - Pricing.

4.1.2.2 The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.2.3 The purpose of the financial evaluation is to determine the lowest price using the information submitted in Annex "A" Pricing.

4.2. Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the *Employment and Social Development Canada (ESDC) - Labour's website* (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contract_or_program.page?&_ga=1.229006812.1158694905.1413548969).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "*FCP Limited Eligibility to Bid*" list at the time of contract award.

5.2.3. Product Conformance

The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of the purchase description(s).

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

Bidder's authorized representative signature

Date

5.2.4 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

Or

- B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	

Solicitation No. - N° de l'invitation
W8476-175552/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
hp539

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

File No. - N° du dossier
W8476-175552

CCC No./N° CCC - FMS No/ N° VME

Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

Solicitation No. - N° de l'invitation
W8476-175552/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
hp539

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

File No. - N° du dossier
W8476-175552

CCC No./N° CCC - FMS No/ N° VME

PART 6 - FINANCIAL CAPABILITY

6.1 SACC Manual Clauses

A9033T

Financial Capability

2012-07-16

PART 7 - RESULTING CONTRACT CLAUSES

7.1. Requirement

The Contractor must deliver Qty 3, **Truck, Aircraft Lavatory Service** and ancillary items as described in Annex "A" - Pricing and in accordance with Annex "B" - Purchase Description Aircraft Lavatory Service Truck dated 2016-09-01.

7.2. Standard Clauses and Conditions

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

7.2.1 General Conditions

2010A (2016-04-04) General Conditions - Goods (Medium Complexity), apply to and form part of the contract.

7.3. Term of Contract

7.3.1 Delivery of Vehicles

Delivery date of the vehicles must be made as follows:

Item 001 - Qty 3, **Truck, Aircraft Lavatory Service** and ancillary items must be delivered on or before _____ (Date to be inserted by PWGSC the Contracting Authority at time of contract award.)

7.4. Authorities

7.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kathy Cafferty
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street, Gatineau Quebec,
K1A 0S5
Telephone: 873 469-3322
Facsimile: 819 953-2953
E-mail: kathy.cafferty@pwgsc-tpsgc.gc.ca

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

7.4.2 Procurement Authority

The Procurement Authority for the Contract is:

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

Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

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

7.4.3 Technical Authority:

The Technical Authority for the Contract is:

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

Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

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

7.4.4 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

Name: _____ (To be completed by the bidder.)
Title: _____
Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail: _____

Delivery follow-up

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: _____ - _____ - _____

Facsimile: _____ - _____ - _____

E-mail: _____

7.4.5 After-Sales Service

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

7.5. Payment

7.5.1 Basis of Payment

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

Basis of Payment (BOP) Type 1

Firm unit prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable). (delete if the bidder does not request the exchange rate fluctuation)

7.5.2 SACC Manual Clauses

C6000C	Limitation of price	2011-05-06
H1000C	Single Payment	2008-05-12

7.5.3 Exchange Rate Fluctuation Adjustment (if applicable)

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.

2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.

3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:

Adjustment = FCC x Qty x ($i_1 - i_0$) / i_0
where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i_0



Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

i_1

exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])

Qty

quantity of units

4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.
6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (i.e. [$i_1 - i_0$] / i_0).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

7.6 Invoicing Instructions

- 7.6.1** The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions including the **Client Ref # BT 727**. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors /suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.

Each invoice must be supported by:

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

7.6.2 Invoices must be distributed as follows:

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

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

Attention: DLP _____

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

7.6.3 Holdback

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

Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Taxes payable as it was claimed and payable under the previous invoice.

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

7.7. Certifications

7.7.1 Compliance

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

7.8 Applicable Laws

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

7.9 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) 2010A (2016-04-04) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Purchase Description - Aircraft Lavatory Service Truck dated 2016-09-01;
- (e) Appendix 1- Technical Information Questionnaire dated 2016-09-01;
- (f) the Contractor's bid dated _____

7.10 SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
A9062C	Canadian Forces Site Regulations	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian-based Contractors	2014-11-27
D3010C	Delivery of Dangerous Goods / Hazardous Products	2016-01-28
D5510C	Quality Assurance Authority (Department of National Defence) - Canadian-based Contractor	2014-06-26
D5515C	Quality Assurance Authority (DND) - Foreign-based and United States Contractor	2010-01-11
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	2016-01-28

7.11 Inspection and Acceptance

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

7.12 Preparation for Delivery

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

The fuel tanks must be at least half full prior to release of the vehicle(s) to inspection authority or consignee.

7.13 Shipping Instructions - Delivery at Destination

- 7.13.1 The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A"- Pricing). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.
- 7.13.2 The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the contacts specified in Annex "A"- Pricing. The consignee may refuse shipments when prior arrangements have not been made.

7.14 Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to:

National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attention: _____

- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca

7.15 Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) calendar days from the effective date of the Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Technical Authority after contract award to review technical and contractual requirements. The Contractor shall be responsible for the preparation and distribution of the minutes of meeting within five (5) calendar days after the meeting has been held. The meeting will be held at the Contractor's facilities or at the Department of National Defence facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Department of National Defence and Public Works and Government Services Canada.

7.16 Progress Reports

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

Each progress report must address the following questions:

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

7.17 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.

7.18 Material

Material supplied must be new unused and of current production by manufacturer. (2016 model-year or newer).

7.19 Design Changes

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

7.20 Interchangeability

Unless changes during the production run are authorized by Contracting 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.

7.21 Packaging

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

7.22 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.

7.23 Vehicle Recall Notices

All vehicle recall notices must be forwarded to:

National Defence Headquarters
MGen George R. Pearkes Building

Solicitation No. - N° de l'invitation
W8476-175552/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
hp539

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

File No. - N° du dossier
W8476-175552

CCC No./N° CCC - FMS No/ N° VME

101 Colonel By Drive
Ottawa, Ontario K1A 0K2

Attention: (designation and name of TA to be inserted by PWGSC at contract award)

ANNEX "A" – PRICING

Item 001 **Truck, Aircraft Lavatory Service (Firm Quantity)**

The Contractor must deliver the vehicle/equipment including the manuals, warranty letter(s), data summary, photographs, dimensioned drawing, special tools list, preventative maintenance replacement parts kit list, recommended spare parts list, cataloguing information, safety recalls and servicing data, initial parts kit, and training in accordance with the attached Annex "B" - Purchase Description - Aircraft Lavatory Service Truck dated 2016-09-01.

The **Truck, Aircraft Lavatory Service** and ancillary items must be delivered to:

8 Wing Trenton
Major Equipment Section
46 Portage Dr, Bldg 162
Trenton, ON K0K 3W0

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 ancillary items, in accordance with Basis of Payment Type 1 (as detailed at Clause 7.5.1 Basis of Payment).

Quantity: Three (Qty 3)

PURCHASE DESCRIPTION FOR

Aircraft Lavatory Service Truck ECC 189424

OPI DSVPM 5 – DAVPS 5

Issued on Authority of the Chief of the Defence Staff
Publiée avec l'autorisation du chef d'état-major de la Défense

Canada
RDIMS # 4362260



NOTICE

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

AVIS

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

1. SCOPE

1.1 Scope - This Purchase Description details the requirements for an aircraft lavatory service system mounted on a truck chassis for servicing all the aircrafts listed in this document.

1.2 Instructions - The following instructions apply to this specification.

- a) Requirements, **which** are identified by the word “**must**”, are mandatory. Deviations will not be permitted.
- b) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor's part.
- c) Where “**must**” or “will” are not used, the information supplied is for guidance only.
- d) In this document “provided” **must** mean “provided and installed”.
- e) Where a technical certification is referred to in this specification, a copy of the certification **or** an acceptable Proof of Compliance **must** be supplied for the vehicle when requested by the Technical Authority.
- f) Metric measurements are used to define the requirement. Other measurements are for reference only and may not be exact conversions.
- g) Nominal dimensions reflect a method by **which** materials **or** products are generally identified, but **which** differ from the actual measured 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**” - Substitutes and alternatives that are equivalent in product, performance **or** a standard will be considered for acceptance by the Technical Authority where Proof of Compliance for the requirement is provided.
- c) “**Vehicle**” – The entire vehicle **including** all systems and sub-systems, in a complete manufactured state in accordance with the requirements in this Purchase Description.
- d) “**Road Legal**” – Applies to a self-propelled vehicle designed for **or capable** of transporting persons, property, material **or** permanently **or** temporarily affixed apparatus on a highway.

- e) **“5th percentile adult female”** – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 46.3 kg, height of 1499 mm, erect sitting height of 785 mm, normal sitting height of 752 mm, hip sitting breadth of 325 mm, hip sitting circumference of 925 mm, waist sitting circumference of 599 mm, chest depth of 191 mm, bust circumference of 775 mm, chest upper circumference of 757 mm, chest lower circumference of 676 mm, knee height of 455 mm, popliteal height of 356 mm, elbow rest height of 180 mm, thigh clearance height of 104 mm, buttock-to-knee length of 518 mm, buttock-to-poples length of 432 mm, elbow-to-elbow breadth of 312 mm and seat breadth of 312 mm.
- f) **“95th percentile adult male”** – As defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)* a person having as physical characteristics a mass of 97.5 kg, height of 1849 mm, erect sitting height of 965 mm, normal sitting height of 930 mm, hip sitting breadth of 419 mm, hip sitting circumference of 1199 mm, waist sitting circumference of 1080 mm, chest depth of 267 mm, chest circumference of 1130 mm, knee height of 594 mm, popliteal height of 490 mm, elbow rest height of 295 mm, thigh clearance height of 175 mm, buttock-to-knee length of 640 mm, buttock-to-poples length of 549 mm, elbow-to-elbow breadth of 506 mm and seat breadth of 404 mm.
- g) **“Gross Axle Weight Rating (GAWR)”** - The value specified by the vehicle manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces.
- h) **“Gross Vehicle Weight Rating (GVWR)”** - The value specified by the vehicle manufacturer as the loaded weight of a single vehicle.

2. APPLICABLE DOCUMENTS

2.1 Applicable Documents - The following documents form part of this Purchase Description. The dates of issue are those in effect on the date of release of the RFP. Sources are as shown:

Canadian Occupational Health and Safety Regulations (COHSR), 2015

<http://laws.justice.gc.ca/eng/regulations/sor-86-304/index.html>

SAE ARP 1328 B Aircraft Ground Support Equipment – Wind Stability Determination

SAE Handbook
Society of Automotive Engineers Inc.
400 Commonwealth Dr,
Warrendale, PA, 15096
<http://www.sae.org>

Automotive (On-road) Diesel Fuel

CAN/CGSB Standard 3.517
Standards Council of Canada
270 Albert Street, suite 200
Ottawa, ON K1P 6N7
<https://www.scc.ca/en>

ANSI /SIA A92.7-2014 Airline Ground Support Vehicle-Mounted Vertical Lift Devices

American National Standards Institute
1430 Broadway
New York, NY, 10018
<http://webstore.ansi.org/>

Motor Vehicle Safety Regulations (MVSr)

Government of Canada / Transport Canada

<https://www.tc.gc.ca/eng/acts-regulations/regulations-crc-c1038.htm>

Advisory Circulars 300 Series – Aerodromes and Airports (for additional information and guidance only)

Transport Canada

Government of Canada

330 Sparks Street

Ottawa, ON, K1A 0N5

<https://www.tc.gc.ca/>

3. REQUIREMENTS

3.1 Standard Design

- a) **Latest Model** - The vehicle design **must** be the manufacturer's latest model.
- b) **Industry Acceptability** - The vehicle design **must** have demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 year, **or** be manufactured by a company that has at least 5 years' experience in design and manufacturing of a comparable type of equipment of equivalent **or** greater complexity.
- c) **Engineering Certification** - The vehicle design **must** 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) **Regulations** – The vehicle **must** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture. International equivalent laws, regulations, and industrial standards will be accepted only if certified for equivalency by a professional engineer.
- e) **Published Ratings** - The vehicle **must** have system and component capacities equivalent to published ratings (i.e. product **or** component brochures).
- f) **Standard Components** - The vehicle **must** **include** all standard components, equipment and accessories for the model offered, although they may not be specifically described in this Purchase Description.
- g) **Spare Parts** - The manufacturer **must** select components readily available for a **minimum** period of fifteen (15) years from the date of manufacture.

3.2 Operating Conditions

3.2.1 **Weather** - The vehicle **must** operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37° C (-40 to 99° F).

3.2.2 **Terrain** - The vehicle **must** be operable on concrete and asphalt surfaces that **include** year round operations on rain, snow, hard packed snow and ice with **up to** 2.0% (percent) slope in all weather conditions.

3.3 Safety Standards

3.3.1 Vehicle Safety Regulations

- a) The vehicle **must** comply with the Motor Vehicle Safety Regulations (MVSr).
- b) The vehicle **must** have Safety Compliance Certification Label with a **National Safety Mark (NSM)**, as a seal of compliance **or** be accompanied by a Vehicle Import Form containing proof of Inspection by the Registrar of Imported Vehicles.
- c) The vehicle **must** be designed and built in accordance with the latest version of ANSI /SIA A92.7 and SAE ARP1328B.

3.3.2 Human Factors Engineering - The vehicle, all systems, and components **must comply with the relevant sections of the COHSR and **must**:**

- a) Be manufactured/assembled for safety and ease of use by CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female;
- b) Have entry and exit points equipped with handles and steps sized and positioned to accommodate CAF users with anthropometric characteristic measurements ranging from 95th percentile male to 5th percentile female; and
- c) Be equipped, with warning and instruction plates, non-slip walking surfaces, grab handles and heat shields, for operator safety.

3.4 Vehicle Performance, Ratings, and Dimensions

3.4.1 Performance

- a) The vehicle, at GVWR, **must** sustain a **minimum** top speed of 80 km/h (50 MPH).
- b) The vehicle **must** extract waste from the aircrafts specified in Section 3.4.2.
- c) The vehicle **must** release waste by gravity and by pressurized flow.
- d) The vehicle **must** deliver water **or** disinfectant to the lavatory systems of the aircrafts specified in Section 3.4.2.
- e) The vehicle **must** be equipped with an aerial platform to service the aircrafts specified in Section 3.4.2.

3.4.2 Aircraft Operability - The vehicle **must service the following aircrafts:**

- a) All Canadian Forces CC130 Hercules, CC150 Airbus and CC177 Globemaster aircraft;
- b) NATO military transport aircraft **including** C-5, C-17, C-130, C-141, C-160, KC-10, and KC-135;
- c) Chartered aircraft **including** Il-76, An-124 and An-225; and
- d) Commercial wide-body cargo aircraft **including** Airbus A300 series, B-737, B-747, B-757, B-767, MD-11, L-100, L-188, L-1011 and DC-10 **as well as** all narrow-body commercial cargo aircraft.

3.4.3 **Weight Ratings**

- a) The GVWR of the vehicle **must** not be less than the sum of the unloaded vehicle mass, the cargo carrying capacity, and the product obtained by multiplying the designated seating capacity by 68kg as defined in the *Motor Vehicle Safety Regulations (C.R.C., c. 1038)*.
- b) Each GAWR **must** be equal to **or** less than the load rating of the weakest component in the axle system, i.e., axle housing, suspension, wheels, **or** tires.
- c) The total load on each axle of the vehicle **must** not exceed the GAWR for that axle.
- d) Axle loads **must** comply with all the provincial weight restrictions across Canada.

3.4.4 **Dimensions** - The vehicle **must** have road legal dimensions across Canada.

3.4 **C-17 Air Transportability** – The vehicle **must** be air transportable in a Canadian Forces CC-177 Aircraft.

- a) For Canadian Forces CC-177 Aircraft loading, the vehicle tie down provisions **must**:
 - i. Accept a **minimum** forward load of 3 g, rearward load of 1.5 g, vertical load of 2 g and lateral load of 1.5 g (1 g = shipping weight of the equipment), loads are not imposed simultaneously,
 - ii. Be positioned to anchor the vehicle, to prevent shifting **or** movement during transport,
 - iii. Be permanent and integrally attached,
 - iv. Be positioned to provide access for the attachment of cables **or** turnbuckles,
 - v. Be clearly marked with the maximum permitted load,
 - vi. Provide complete tie down provision locations with decals in the vehicle cab.
- b) The vehicle **must** be configured for air-transportability using only common hand tools, by three (3) trained people, in four (4) hours **or** less.

3.6 **Frame** - The frame **must** be a truck chassis manufactured for use in all conditions specified in Sections 3.2, 3.3 and 3.4.

3.7 **Engine** - The engine **must** operate on diesel fuel to the CAN/CGSB Standard 3.517. Engine manufacturer's certification **must** be available upon request.

3.7.1 **Engine Components**

- a) Replaceable air filters **must** be provided.
- b) A cooling system **must** be provided.
- c) A combustion air cleaning system **must** be provided, with an air cleaner restriction indicator visible to the operator.
- d) A governor **must** be provided.
- e) A full flow replaceable oil filter **must** be installed.

- f) An engine shutdown **or** de-rate system **must** be provided, **including** a visual warning indicator located on the operator control panel.
- g) A fast idle system **must** be provided, to raise engine speed when required for operations.

3.7.2 **Cold Weather Starting Aids**

- a) The engine **must** be equipped with cold weather aids applicable to the operating conditions in Section 3.2.
- b) A low temperature engine starting aid **must** be provided, **including** glow plug(s) **or** intake air preheat system.
- c) A thermostatically controlled water separator/fuel filter **must** be provided to preheat diesel fuel prior to starting.
- d) A thermostatically controlled in-line fuel heater **must** be provided.
- e) A 110-volt engine heater(s) **must** be provided.
- f) A 110-volt battery heater(s) **must** be provided.
- g) The battery **must** be housed in an insulated battery box, blanket **or** heated cab.
- h) All cold weather aids **must** be powered through dedicated shoreline receptacle(s).
- i) If multiple shoreline receptacles are provided, they **must** be grouped together.

3.7.3 **Exhaust System**

- a) The vehicle **must** be equipped with a vertical exhaust system shielded to prevent personnel contacting a heated surface.
- b) The exhaust system **must** prevent entry of rain.
- c) If a Selective Catalytic Reduction (SCR) System is used, there **must** be manual deactivation and activation controls for the automatic regeneration of the Diesel Particulate Filter (DPF).

3.7.4 **Fuel Tank(s)** - The fuel tank(s) **must** have a fuel capacity that will provide at least eight (8) continuous hours of pumping operations.

3.8 Drivetrain – The drivetrain consists of components transmitting power from the engine output shaft to driven wheels and **must include** a “Park” **or** “Neutral” starting interlock.

3.8.1 **Transmission**

- a) The vehicle **must** be equipped with a fully automatic **or** hydrostatic continuous drive transmission.
- b) The transmission **must** have an oil heater, if required to meet the operating conditions specified in Paragraph 3.2.
- c) The transmission **must** have an oil cooler.
- d) The transmission **must** have a replaceable oil filter.

- e) The transmission shift control **must** clearly indicate the position of the shift column under all lighting conditions.
- f) A transmission oil dipstick **must** be provided.
- g) An audible back-up alarm **must** be installed to alert personnel that the vehicle transmission is in reverse.

3.8.2 **Power Take-Off (PTO)** - The lavatory service system **must** either be driven by a PTO shaft(s) or hydraulic motors. If a PTO system is provided, it **must**:

- a) Have a smooth mechanical engagement;
- b) Have a shifting mechanism controlled from the cab;
- c) Render the vehicle's accelerator pedal inoperable once engaged;
- d) Have a safety guard covering the PTO shaft(s); and
- e) Have safety mechanism installed to prevent damaging the PTO/gear box shifting mechanism and transmission during engagement/disengagement.

3.9 **Braking System** – The vehicle **must** be equipped with an air, hydraulic or electric braking system, including a parking brake.

3.9.1 **Brake Interlock** - A brake interlock **must** be provided to prevent the vehicle from being moved when the aerial platform is in the raised position and when it is in motion.

3.9.2 **Brake Interlock Override**

- a) An emergency override **must** be provided for the brake interlock system.
- b) The emergency override **must** be located within the reach of the seated driver.
- c) When the brake interlock override is engaged, the PTO (if provided) **must** be disengaged.
- d) A dash mounted indicator light **must** signal the driver that the brake interlock is being overridden.

3.10 **Suspension System**

- a) The vehicle **must** be equipped with multi-leaf type or coil springs with bumper pads, an air suspension system or equivalent.
- b) The suspension system **must** be provided with double acting shock absorbers on all axles.
- c) If an air system is provided, it **must** include immediate response automatic ride height control.
- d) If an air system is provided, a heated expello valve **must** be provided.

3.11 **Steering**

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

3.12 Wheels, Rims and Tires

- a) Tires and rims **must** be selected in accordance with MVSR Technical Standards Documents No. 120, Revision 1R.
- b) Tires **must** have a tread pattern for use in the operating conditions described in Section 3.2.
- c) The wheels, tires and rims **must** include valve extensions for inner tires, if used, to allow for easy access.
- d) If applicable, all tires **must** be the same size, ply ratings, make and model.
- e) For each tire size provided, one full size spare tire assembly **must** be delivered with each vehicle.

3.13 Cab

- a) The vehicle **must** be equipped with a two-person weatherproof cab.
- b) A fully adjustable driver's and passenger seat **must** be provided with arm rests.
- c) Driver and passenger seats **must** have dark upholstery and include retractable seat belts.
- d) Minimum of two (2) doors **must** be provided with power locks, be keyed alike and have keyless entry.
- e) A ventilation/heater and defrosting system **must** be provided, with a multi-speed fan, applicable for the operating conditions as specified in 3.2.
- f) An air conditioning system **must** be provided equipped with all components and controls required for regulation of the cab interior temperature.
- g) Powered side windows **must** have tinted glass to reduce solar heating effects.
- h) A powered windshield washer system **must** be provided with multi-speed wipers, where the wiper blades **do not** travel from a vertical center windshield position to a horizontal position near the roof line.
- i) The cab floor or floor mats **must** be weatherproof.
- j) Two rotating interior sun visors **must** be installed.
- k) A back-up camera system **must** be installed in the cab with a screen size of at least 17.7 cm (7 inches).
- l) An AM/FM stereo radio with an auxiliary port **must** be provided.
- m) Two heavy-duty, powered and heated exterior side mirrors **must** be provided with in-cab controls and convex mirrors mounted below.
- n) The cab **must** be equipped with a 2.3 kg (5 lb) ULC approved and rechargeable dry chemical fire extinguisher, with a minimum rating of 3A10BC, equipped with a pressure gauge, service inspection tag, and accessible to the operator.

3.14 Body Shroud(s)

- a) Weather tight, insulated body shroud(s) **must** be installed at the rear of the vehicle enclosing all the sanitation system tanks, pumps and components.
- b) The shroud **must** provide protection and have insulation for all operating conditions as specified in Section 3.2.
- c) The shroud walls **must** be corrosion resistant.
- d) The shroud **must** be a low profile for easy underwing approach and servicing for all aircrafts listed in Section 3.6.1.
- e) The shroud **must** be weatherproof with watertight joints.
- f) The shroud **must** have a sloped floor with a drain hole to permit spilled liquid to drain directly below the vehicle.
- g) The shroud doors **must** be hinged, constructed of durable corrosion resistant material with lockable latches, have a means to stay open and be equipped with rubber bumpers to prevent contact with the body.
- h) The shroud roof **must** be constructed with anti-slip material and have access to the manholes of the lavatory service system tanks.
- i) Access panels **must** be provided for any piping or components that require period inspection.
- j) Access ladder(s) **must** be installed to gain access to the shroud roof.
- k) A heavy hollow-rubber dock bumper **must** be installed along the lower rear corner extremities of the body shroud.
- l) A platform with an anti-slip surface **must** be installed on the body shroud for access to the aerial platform.

3.14.1 Body Shroud(s) Heating System

- a) The body shroud(s) interior **must** be heated when the vehicle is parked or when in use during the operating conditions specified in Section 3.2.
- b) A thermostatically controlled heater(s) **must** be provided.
- c) The heater(s) controls **must** be located on the operator control panel.
- d) If a plug is required, it **must** be located near the operator control panel and have a spring loaded cover.

3.15 Sewage Tank

- a) The sewage tank **must** be constructed of stainless steel.

- b) The sewage tank **must** have a **minimum** capacity of 1477 litres (325 Imperial gallons).
- c) The sewage tank, valves and piping **must** have insulation for all operating conditions as specified in Section 3.2.
- d) The sewage tank **must** withstand vacuum produced by the sewage pump in Section 3.15.1 without collapsing.
- e) The sewage tank **must** have a sloping floor and internal safety baffles both built to avoid the trapping of sewage.
- f) Inspection access **must** be provided at the top of the tank.
- g) A 10.16 cm (4 in) outlet **must** be provided under the tank at the lowest floor point with a manually operated waste tank drain valve.
- h) The drain valve **must** be positioned at the rear **or** side of the vehicle **which** is easily accessible to the operator, and be protected to prevent accidental opening with a leak proof seal when closed.
- i) A 10.16 cm (4 in) inlet **must** be provided with a valve and adapter to accommodate the sewage extraction hose as specified in Section 3.15.2 a).
- j) A 2.5 cm (1 in) inlet **must** be provided with a valve and adapter to accommodate the C130 compatible sewage extraction hose as specified in Section 3.15.2 d).
- k) The controls for both inlet valves **must** be installed on the operator control panel and on the aerial platform control panel.
- l) A sewage tank level indicator **must** be provided on the operator control panel.

3.15.1 Sewage Pump

- a) A sewage pump **capable** of drawing sewage from the aircrafts specified in section 3.4.2 **must** be provided.
- b) The sewage pump **must** also pump out sewage from the vehicle's sewage tank.
- c) The sewage pump **must** be compatible with all sewage hoses specified in Section 3.15.2.
- d) An adjustable relief valve **must** be provided.
- e) The sewage pump pressure and vacuum indicator(s) **must** be installed on the operator control panel.
- f) The sewage pump **must** be controlled from both the operators control panel and the aerial platform control panel.

3.15.2 Sewage Hoses and Storage

- a) A sewage extraction hose with an inside diameter of 10 cm (4 inch) and a **minimum** length of 5 m (17 ft) **must** be provided compatible the aircrafts specified in Section 3.4.2.

- b) The sewage extraction hose in Section 3.15.2 a) **must** be stored in an area that incorporates a drain pan with a sloped bottom and a drain plug for washing and draining residue to the waste tank.
- c) A storage coupling **must** be installed in the storage area in 3.15.2 (b) to secure the sewage extraction hose when not in use.
- d) A C130 compatible sewage extraction hose with an inside diameter of 2.5 cm (1 inch) and a **minimum** length of 12 m (40 ft) **must** be provided.
- e) A hose reel for the C130 hose **must** be provided and positioned at the side **or** rear of the vehicle in a manner accessible to the operator.
- f) Both sewage extraction hoses **must** be smooth bore, flexible and non-collapsible hoses.
- g) If adapters for the hoses to achieve full compatibility are required then they **must** be complete with plug and retaining cable.
- h) A drain hose with an inside diameter of 10 cm (4 inch) with a length of 30.48 cm (6 ft) **must** be provided compatible with the sewage tank drain valve in Section 3.15 h).
- i) A drain hose **must** be provided that is compatible with the requirement in Section 3.15.1 a) for the emptying of the sewage tank using the pump.
- j) All drain hoses **must** have on-board storage.
- k) All hose connections **must** prevent fluid from spilling on the operator when connecting **or** disconnecting.
- l) All hoses **must** be stored in a manner that is protected from rain and snow.

3.16 Water Tank

- a) The water tank **must** be constructed of stainless steel.
- b) The water tank **must** have a **minimum** capacity of 818 litres (180 gallons).
- c) The water tank, valves and piping **must** have insulation for all operating conditions as specified in Section 3.2.
- d) The water tank **must** have a vented filler cap of at least 5 cm (2 inches) inside diameter.
- e) A thermostatically controlled, non-corrosive, electric immersion heater(s) **must** be provided for the operating conditions specified in Section 3.2 with controls located on the operator control panel.
- f) An access plate **must** be provided for tank cleaning and inspection.
- g) A drain valve(s) and pipe for fully draining the entire tank contents **including** the sump housing **must** be provided.
- h) A water tank level indicator **must** be provided on the operator control panel.

3.17 Disinfectant Tank

- a) The disinfectant tank **must** be constructed of stainless steel.
- b) The disinfectant tank **must** have a **minimum** capacity of 318 litres (70 gallons).
- c) The disinfectant tank **must** be compatible with all commercially available ethylene glycol.
- d) The disinfectant tank, valves and piping **must** have insulation for all operating conditions as specified in Section 3.2.
- e) The disinfectant tank **must** have a vented filler cap of at least 5 cm (2 inches) inside diameter.
- f) A thermostatically controlled, non-corrosive, electric immersion heater(s) **must** be provided for the operating conditions specified in Section 3.2 with controls located on the operator control panel.
- g) An access plate **must** be provided for tank cleaning and inspection.
- h) A drain valve(s) and pipe for fully draining the entire tank contents **including** the sump housing **must** be provided.
- i) A disinfectant tank level indicator **must** be provided on the operator control panel.

3.18 Fluid System

- a) The fluid system **must** separately fill the vehicle tanks with water and disinfectant and deliver them to the tanks of the aircrafts specified in Section 3.4.2.
- b) The fluid system components **must** meet all requirements for operating conditions outlined in Section 3.2.
- c) A pump **must** be provided with a **minimum** capacity of 114 LPM (30 GPM) and with a **minimum** outlet pressure of 344 kPa (50 psi) at delivery hose.
- d) The pump pressure and flow **must** be adjustable and a pressure indicator must be provided at the operator control panel.
- e) Adjustable relief valve and a by-pass to permit fluid to return to the tank **must** be provided.
- f) A control to select the type of fluid, **either** water **or** disinfectant, **must** be provided on the operator control panel and the aerial platform control panel.
- g) A removable filter **or** strainer **must** be provided with a **minimum** of 840 micron (#20 US mesh) to filter fluids from both tanks.
- h) A product level display(s) **must** be provided on the operator control panel and the aerial platform control panel for the amount of water **or** disinfectant delivered.

3.18.1 Fluid System Hoses and Storage

- a) A 2.5 cm (1 in) inside diameter nylon reinforced fluid delivery hose of at least 7.6 m (25 ft) in length **must** be provided compatible to the pump specified in Section 3.18 b).

- b) The fluid delivery hose **must** have couplings to be compatible with the aircrafts specified in Section 3.4.2.
- c) The fluid delivery hose **must** have a drain back valve to permit the fluid to drain back to the respective tank.
- d) The fluid delivery hose **must** have a shear coupler to allow the hose to break away under stress.
- e) The fluid delivery hose **must** be stored on a spring-type rewind hose reel and positioned for easy access from the aerial platform.
- f) A 2.5 cm (1 in) fluid suction hose of at least 2.4 m (8 ft) in length **must** be provided to fill the water and disinfectant tanks with secure on board storage.
- g) All hoses **must** be stored in a manner that is protected from rain and snow.

3.19 Aerial Platform

- a) A one-man aerial platform with a **minimum** capacity of 200 kg (440 lbs) **must** be provided.
- b) The aerial platform **must** have a **minimum** lift height of 3.048 m (120 inches) from the ground to the bottom of the platform.
- c) The aerial platform **must** have a telescopic tube **or** other device to prevent platform rotation.
- d) The aerial platform **must** have an entry/exit gate.
- e) The aerial platform **must** be equipped with brackets for the sewage extraction hoses and the fluid delivery hose.

3.20 Stabilizers – If required, stabilizers **must** be provided in accordance with ANSI/SAIA A92.7 with controls located on the operator control panel.

3.21 Hydraulic System

- a) If required, the vehicle **must** be equipped with a hydraulic system.
- b) A hydraulic oil cooler **must** be provided.
- c) Hydraulic filter change indicators **must** be provided.
- d) Hydraulic hoses **must** be grouped together and clearly identified.
- e) Clearly marked test ports **must** be provided.

3.22 Accessories – The following accessories **must** be provided:

- a) Front and rear licence plate holders with LED lights;
- b) A towing hook(s) at the front and rear of the vehicle; and
- c) Mud flaps.

3.23 Electrical System

- a) The vehicle **must** be equipped with a 12-volt electrical system.
- b) Wiring **must** be protected by insulating grommets, where passing through metal.
- c) Heavy-duty, maintenance free batteries **must** be provided and secured in an accessible well-protected location.
- d) A master disconnect switch, accessible from the ground, **must** be provided.
- e) An alternator **must** be provided.

3.24 Lighting

- a) The vehicle **must** be equipped with LED lights; halogen **or** LED headlights will be acceptable.
- b) Lights **must** be recessed **or** otherwise protected from damage with all components accessible for servicing.
- c) One amber coloured beacon light mounted on the cab roof to allow for 360 degree visibility **must** be provided.
- d) In-cab instrument panel lights **must** be dimmable.
- e) Two driver-operated, remote controlled, multi-directional (260 degrees), weather-sealed, white spot/flood lamp **must** be provided one on the cab roof and the other on the aerial platform.
- f) The control for the spot/flood lamp on the aerial platform **must** be located on both the aerial platform and the operator control panel.
- g) Automatic lighting **must** be provided in all cabinets.
- h) All controls for the lights **must** be located in the cab and on the operator control panel.

3.25 Controls

- a) Each control **must** be permanently marked to identify the function, in both English and French **or** international symbols as defined by SAE J1362.
- b) Controls **must** be grouped together by function.
- c) Controls **must** not restrict the operator's field of view.
- d) Control panel lights **must** be provided for nighttime operations.

3.25.1 Operator Control Panel

- a) The operator control panel **must** be protected from all operating conditions specified in Section 3.2 if located on the outside of the vehicle.
- b) The operator control panel **must** contain all lavatory service system controls, switches and indicators to operate and monitor the system.
- c) Body shroud heater controls **must** be provided.

- d) Stabilizer controls, if required, **must** be provided.
- e) Aerial platform controls **must** be provided.
- f) Emergency lowering system controls for the aerial platform **must** be provided.

3.25.2 Aerial Platform Control Panel

- a) All switches, controls and indicators on the aerial platform control panel **must** be waterproof.
- b) Emergency stop device for all vehicle and lift functions, with the exception of lights **must** be provided.
- c) All controls and indicators to fully perform lavatory servicing for the aircrafts **must** be provided.
- d) Aerial platform controls **must** be provided.

3.26 Instruments - Instruments **must** be metric and visible to the operator in all lighting conditions and include, but not limited to:

- a) An ammeter, voltmeter or charging indicator;
- b) An engine coolant temperature indicator;
- c) A hydraulic oil temperature and level indicator;
- d) An engine oil pressure indicator;
- e) An hour-meter with numeric display, which accurately records accumulated engine running time up to at least 9,999 hours;
- f) A fuel level indicator;
- g) A speedometer;
- h) An engine tachometer;
- i) PTO engagement (if applicable);
- j) Stabilizer indicators;
- k) Engine shutdown or de-rate system visual warning indicator;
- l) Brake interlock override indicator; and
- m) Sewage, water and disinfectant tank level indicators.

3.27 Lubricants and Fluids – All lubricants and fluids provided **must** meet the operating conditions specified in Section 3.2.

3.28 Paint

- a) All metal surfaces **must** be protected.
- b) The prime coating **must** be a high durability, corrosion resistant type, such as an epoxy.

- c) The colour **must** be Dupont Axalta 750206 E B Penn Dot Yellow **or** equivalent.

3.29 Retroreflective Tape – Retroreflective tape **must** be placed on the vehicle in accordance with the Motor Vehicle Safety Regulations (MVSr).

3.30 Corrosion Protection

- a) The vehicle **must** be designed and manufactured to prevent galvanic corrosion.
- b) The materials used in the vehicle manufacturing **must** resist damage **or** deterioration as a result of cleaning with hot **or** cold water, steam, **or** detergents.
- c) A commercial rust prevention coating **must** be applied to the vehicle, such as Krown Rust Control **or** Rust Check.
- d) A decal and warranty papers for the rust prevention coating **must** accompany each vehicle.

3.31 Warning, Markings and Instruction Plates

- a) All identification, instructional, and warning labels **must** be bilingual **or** International symbols defined in SAE J1362.
- b) All identification, instructional, and warning labels **must** within view of the operator.
- c) All indicators and controls and **must** be permanently labelled.

3.31.1 Vehicle identification - The following information **must** be permanently affixed in a conspicuous and protected location:

- a) The cab and chassis manufacturer's name, model number, serial number, and model year;
- b) The body manufacturer's model and serial number;
- c) The equipment manufacturer's model and serial number; and
- d) The GVWR and GAWR ratings.

4. INTEGRATED LOGISTIC SUPPORT

4.1 Vehicle Manuals – All manuals required for the description, operation, maintenance and repair of the complete equipment, **including** sub-systems, **must** be provided.

4.1.1 Operator's Manuals

- a) The operator's manuals **must** be bilingual (English/French).
- b) The operator's manuals **must** **include** instructions for the safe operation of the vehicle.
- c) The operator's manuals **must** **include** daily operator maintenance instructions/checks (**including** lubrication).
- d) The operator's manuals **must** **include** safety warnings.

- e) The operator's manuals **must** include hand signals (as necessary).

4.1.2 **Parts Manual(s)**

- a) The parts manual(s) **must** be in English (bilingual is desirable).
- b) The parts manual **must** have illustrations showing all components of the vehicle including equipment and accessories from other manufacturers that is supplied for the requirements of the contract and have numbers for the itemization of the parts.
- c) The parts manual **must** have a listing for all itemized manufacturer's parts showing the manufacturer's part number of the illustration, the part name and a brief description of the item.
- d) The parts manual **must** have cross reference relating the manufacturer part number to the correct figure and item number.
- e) The parts manual **must** have a representation of bilingual warning signs and identification labels delivered on the equipment.

4.1.3 **Maintenance Manuals**

- a) The maintenance manual **must** be in English (bilingual is desirable).
- b) The maintenance manual **must** include a trouble shooting guide, showing the steps and tests required to determine the exact cause of a problem and an explanation of what steps would be required to correct a problem.
- c) The maintenance manual **must** include a listing of the necessary tolerances, torque levels, fluid volumes required and a section listing any special tools (including item part numbers).
- d) The maintenance manual **must** include information on the order of disassembly and assembly of the systems and components of the vehicle.
- e) The maintenance manual **must** include special tools list as per 4.3.4.

4.1.4 **Manual Delivery to Technical Authority**

- a) The contractor **must** submit sample manuals to the Technical Authority (TA) prior to the delivery of the vehicle/trailer for each model and or sub-system for approval as specified above. Sample manuals will not be returned. TA will provide approval or comments on the manuals within 30 days.
- b) One (1) complete set of approved manuals (Operator's, Maintenance and Parts) in electronic format **must** be delivered to the Technical Authority.

4.1.5 **Manual Delivery with Vehicle**

- a) One (1) complete set of manuals (Operator's, Maintenance and Parts) **must** accompany each vehicle, shipped to each location.
- b) The manuals **must** be in paper and electronic format.

4.1.6 **Electronic Format**

- a) Approved copies of the electronic format manuals **must** be delivered on CD/DVD-ROM.

- b) CD/DVD-ROM **must not** require installation, password and/or Internet connection to be accessed and be an unlocked PDF in a searchable format.

4.1.7 **Provisional Manuals**

- a) In the event that approved manuals are not available at the time of delivery of the equipment, manuals marked "Provisional" **must** be supplied with the equipment.
- b) The contractor **must** deliver replacement approved manuals to all destinations where Provisional manuals were delivered.

4.1.8 **Manual Supplements**

- a) The contractor **must** supply manual supplements (Operator's, Maintenance and Parts) to support dealer-installed equipment not covered in the Vehicle Manuals.
- b) Manual supplements **must** be delivered in accordance with 4.1.4 and 4.1.5.

4.1.9 **Translation and Reproduction Rights** - The Canadian Government **must** reserve the right to translate and reproduce, for Government use only, all or any part of the publications supplied, including the training packages delivered against the contract agreement.

4.1.10 **Changes to Manuals**

- a) During the period of the contract, changes to equipment, which affect the contents of manuals, **must** be reflected in the revision of the electronic and paper version of the manuals.
- b) Changes to the manuals **must** conform to the same format and presentation requirements as the original manuals.
- c) The revised electronic version of the manual **must** be sent to the Technical Authority by the Contractor.

4.2 **Warranty Letter**

- a) The warranty letter **must** include a list of all Canadian designated warranty service providers that will honour the warranty for the equipment and attachments (if applicable) procured under this contract, including the contact person and phone number at each warranty service provider.
- b) The warranty letter **must** include additional warranty coverage of sub-systems and a copy of the warranty letter from each sub-system's Original Equipment Manufacturer (OEM).
- c) The warranty letter **must** include warranty period as negotiated in the contract.
- d) The warranty letter **must** include Contractor contact information, name and phone number, for warranty support.

4.2.1 **Warranty Letter Delivery** - The Contractor **must** provide a bilingual warranty letter to the Technical Authority and with each vehicle. If the Technical Authority requires the letter to be in DND format, then they will provide the Contractor a template for the DND acceptable format of the warranty letter.

4.3 **Other ILS Deliverables to Technical Authority** – The following deliverables **must** be provided in electronic format prior to the delivery of the last vehicle.

4.3.1 **Data Summary** - The Contractor **must** provide a bilingual Data Summary for each make/model/configuration of vehicle by completing Technical Authority's template with data and a vehicle picture.

4.3.2 **Photographs** – The Contractor **must** provide photographs in color, taken against a plain background, and in digital JPEG format with a **minimum** 10 megapixel resolution and with the following views:

- a) One left front three-quarter view of a completed unit; and
- b) One right rear three-quarter view of a completed unit.

4.3.3 **Dimensioned Drawing** - One side and front view sketch showing the dimensions **must** be provided. Brochure sketches are acceptable.

4.3.4 **Special Tools List** - The Contractor **must** provide an itemized list of specific special tools required for the servicing and repair of the vehicle **or** equipment procured under this contract and **include**:

- a) Item name;
- b) Manufacturer's part number (OEM);
- c) Quantity recommended per delivery location;
- d) Contractor's part number;
- e) Unit price; and
- f) Unit of issue.

4.3.5 **Preventive Maintenance Replacement Parts Kit List (PMRPKL)** - The contractor **must** provide a list detailing the parts that are required to perform preventive maintenance to the system for a period of 12 months, and **include**:

- a) Item name;
- b) Contractor's part number
- c) Manufacturer's part number;
- d) Manufacturer's NATO Supply code (NCAGE) **or** name and address;
- e) NSN (NATO Stock Number) (if known);
- f) Quantity per equipment;
- g) Quantity recommended;
- h) Unit price; and
- i) Unit of issue.

4.3.6 **Recommended Spare Parts List** – The Contractor **must** provide a list detailing the spare parts deemed necessary to maintain the vehicle for a period of 12 months exclusive of **any** warranty period,

and **include**:

- a) Part description;
- b) Original Equipment Manufacturer;
- c) Original Equipment Manufacturer Part Number;
- d) Suggested quantity; and
- e) Unit cost.

4.3.7 **Cataloguing Information**

- a) The Contractor **must** provide, upon request, the information necessary to catalogue the parts for the vehicle.
- b) Cataloguing Information **must include** the NSN of the part, if known. If the NSN is provided no other supporting technical data need be provided for that item; and
- c) Cataloguing Information **must include** technical information, **which** to allow DND to identify, classify and fully describe the part(s) to a NATO standard. This could **include** specifications, standards, drawings, **or** catalogues with brief description(s) of relevant dimensional, material, mechanical, electrical and physical/ performance characteristics. Drawings will not be sent to other suppliers for production.

NOTE: Drawings sent to the Technical Authority will remain the property of the contractor.

NOTE: This may require meetings between DND and the contractor to obtain and validate information.

4.4 Safety Recalls and Servicing Data - Safety recalls, and manufacturer's technical service bulletins, **or** equivalent **must** be provided to the technical authority and the final delivery locations on a continuing basis, throughout the life expectancy of the vehicle **or** for no less than 10 years.

4.5 **Initial Parts Kit**

- a) One initial parts kit **must** be delivered with each vehicle.
- b) Each kit **must include** a complete set of filters and filter elements from the Original Equipment Manufacturer (OEM) required in the first 12 months of service.

4.6 **Training**

4.6.1 **Maintenance Personnel Training**

- a) The Contractor **must** provide a maintenance training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have a **minimum** duration of one (1) day to provide training of **up to** eight (8) maintenance personnel and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus **or** course outline and schedule available for review seven (7) days prior to the course commencement date.

- e) After completion of the course, the Contractor **must** have a “*PROOF OF OPERATOR TRAINING*” certificate signed by a Canada Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.6.1.1 **Maintenance Personnel Training Curriculum** - The following items **must** be included in the curriculum:

- a) Operator's training detailed in 4.6.2 below;
- b) Operation and maintenance safety precautions;
- c) Preventive maintenance **including** servicing schedules (10 % of classroom time);
- d) Trouble shooting, testing, and adjustments (70 % of classroom time); and
- e) Special tools and test equipment.

4.6.2 **Operator Training**

- a) The Contractor **must** provide an operator training course.
- b) The course **must** be given at the delivery destination and be available in both official languages.
- c) The course **must** have **minimum** duration of one (1) day to provide training for **up to** eight (8) operators and have the final dates arranged with the Technical Authority.
- d) The course **must** have a syllabus **or** course outline and schedule available for review seven (7) days prior to the course commencement date.
- e) After completion of the course the Contractor **must** have a “*PROOF OF OPERATOR TRAINING*” certificate signed by a Crown Representative for the destination. The Technical Authority will supply this document in an electronic format.

4.6.2.1 **Operator Training Curriculum** - The following items **must** be included in the curriculum:

- a) Safety precautions to be observed while operating and servicing the vehicle;
- b) Vehicle operating characteristics;
- c) Vehicle operating procedures;
- d) Pre-operating and pre-shutdown procedures;
- e) Daily/weekly operator servicing procedures; and
- f) A **minimum** of two (2) hours practical operating experience, per operator.

4.6.3 **Training Materials** – Training materials **must** be provided to each attendee, in French for locations in Quebec, and **include**:

- a) A list of topics to be covered;
- b) An approximate timetable showing when topics are scheduled to be covered and how much time is scheduled for each topic;

- c) Lists any reference material; and
- d) Make available any reference material used.



**Aircraft Lavatory Service Truck
ECC 189424**

TECHNICAL INFORMATION QUESTIONNAIRE

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

Where the specification paragraphs below indicate "Proof of Compliance", the "Proof of Compliance" **must** be provided for each performance requirement/specification.

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

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

CONTRACTOR INFORMATION

Contractor Name _____

Proposal Date _____

Compliance

Equipment provided complies with all specified requirements?

YES ☐ NO ☐

Equivalents

Are **Equivalents** provided for any of the requirements in the Purchase description?

YES ☐ NO ☐

If yes, please identify all **Equivalents** below and indicate where in the proposal related information can be found:

_____	:
_____	:
_____	:
_____	:
_____	:
_____	:
_____	:
_____	:
_____	:
_____	:

**Aircraft Lavatory Service Truck
ECC 189424**

TECHNICAL INFORMATION QUESTIONNAIRE

Proposed Make _____ **- Model** _____

PURCHASE DESCRIPTION PARAGRAPHS

3.1 Standard Design – *Proof of compliance*

- b) The Bidder ***must*** provide client information for industry acceptability and/or experience as specified in the purchase description.

Client information ***must*** include:

- Client name and location
- Year completed
- List of make(s)/model(s).

Client information can be found in: Document: _____ . Page: ____.

3.3.1 Vehicle Safety Regulation - *Proof of compliance*

- c) The Bidder ***must*** provide proof of compliance for this requirement.

Proof of compliance can be found in: Document: _____ . Page: ____.

3.4.1 Performance - *Proof of Compliance*

- a) The Bidder ***must*** provide proof of compliance for the vehicle speed requirement.

Performance information can be found in: Document: _____ - Page: ____.

3.4.2 Aircraft Operability - *Proof of Compliance*

The Bidder ***must*** provide proof of compliance for this requirement.

Aircraft operability information can be found in: Document: _____ - Page: ____.

3.4.3 Weight Ratings - *Proof of Compliance*

- c) The Bidder ***must*** provide proof of compliance for the axle loading requirement.

Weight ratings information can be found in: Document: _____ - Page: ____.

3.7 Engine – *Proof of Compliance*

The Bidder ***must*** provide proof of compliance that the engine operates on Type A or Type B ULS diesel fuel ***must*** be provided.

Engine information can be found in: Document: _____ Page: ____.

3.15 Sewage Tank - Proof of Compliance

- b) The Bidder **must** provide proof of compliance for the sewage tank capacity.

Sewage tank information can be found in: Document: _____ - Page: ____.

3.15.1 Sewage Pump - Proof of Compliance

- a) The Bidder **must** provide proof of compliance for this requirement.

- b) The Bidder **must** provide proof of compliance for this requirement.

Sewage pump information can be found in: Document: _____ - Page: ____.

3.16 Water Tank - Proof of Compliance

- b) The Bidder **must** provide proof of compliance for the water tank capacity.

Water tank information can be found in: Document: _____ - Page: ____.

3.17 Disinfectant Tank - Proof of Compliance

- b) The Bidder **must** provide proof of compliance for the disinfectant tank capacity.

- c) The Bidder **must** provide proof of compliance for this requirement.

Disinfectant tank information can be found in: Document: _____ - Page: ____.

3.18 Fluid System - Proof of Compliance

- b) The Bidder **must** provide proof of compliance for the fluid system pump capacity and pressure.

Fluid system pump information can be found in: Document: _____ - Page: ____.

3.19 Aerial Platform - Proof of Compliance

- a) The Bidder **must** provide proof of compliance for the aerial platform capacity.

- b) The Bidder **must** provide proof of compliance for the aerial platform lift height.

Fluid system pump information can be found in: Document: _____ - Page: ____.

DEFINITIONS

- 1.1 **“Proof of Compliance”** - An unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document ***must*** provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior representative of the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications ***must*** be provided. The certificate ***must*** detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.
- 1.2 **“Equivalent”** - Substitutes and alternatives that are equivalent in product, performance or a standard will be considered for acceptance by the Technical Authority where Proof of Compliance for the requirement is provided.