



National Defence

Défense nationale

National Defence Headquarters
Ottawa, Ontario
K1A 0K

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**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

Proposal To: National Defence 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 and services listed herein and on any
attached sheets at the price(s) set out therefore

Proposition à : Défense nationale Canada

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

Title/Titre Suppressed Ion Chromatography System	Solicitation No – N° de l'invitation W8486-195460/A
Date of Solicitation – Date de l'invitation 2 November 2018	
Address Enquiries to – Adresser toutes questions à Julianne Eng julianne.eng@forces.gc.ca	
Telephone No. – N° de téléphone 819-939-9078	FAX No – N° de fax 819-994-7659
Destination See Herein Ci-Joint	

Instructions:

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

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

**Solicitation Closes –
L'invitation prend fin**

At – à : 14 :00 EST

On - le : 12 December 2018

Delivery required - Livraison exigée	Delivery offered - Livraison proposée
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1. At the date of bid closing, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. For additional information on security requirements, Bidders should refer to the [Industrial Security Program \(ISP\)](http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html) of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

1.2 Statement of Work

The requirement is detailed in Annex "A", Statement of Work.

1.3 Debriefings

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

1.4 Trade Agreements

The requirement is subject to the provisions of North American Free Trade Agreement (NAFTA), the Canada-Chile Free Trade Agreement (CCFTA), the Canadian Free Trade Agreement (CFTA), the Canada-Peru Free Trade Agreement (CPFTA), the Canada-Columbia Free Trade Agreement (CCoIFTA), the Canada-Panama Free Trade Agreement (CPanFTA), the Canada-Honduras Free Trade Agreement (CHFTA), the Canada-Korea Free Trade Agreement (CKFTA).

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 Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-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 (2018-05-22) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20(2), Further Information is deleted in its entirety.

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

Delete: 60 days
Insert: 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 in writing to the Contracting Authority no later than five (5) 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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.

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 (two [2] hard copies)

Section II: Financial Bid (one [1] hard copies)

Section III: Certifications (one [1] hard copies)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Bidders must use Annex D to indicate their prices. Bidders must use Annex D to indicate their prices, Bidders must include Annex D in their financial bid.

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) (<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 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

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

Section II: Financial Bid

Bidders must submit their financial bid as follows:

Bidders must submit firm prices, Free Carrier at (*Contractor's shipping point*) Incoterms 2010, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately. Bidders must provide the address of the Contractor's shipping point at which the Requirement as noted in 6.4.3.1 will be made available.

Bids must be submitted in Canadian dollars.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "E" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "E" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

3.1.3 SACC Manual Clauses

Section III: Certifications

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

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 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Mandatory technical criteria found in Annex B.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Free Carrier (FCA) at (*Contractor's shipping Point*) Incoterms 2010, Applicable Taxes excluded.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price as indicated by the Total Evaluated Price in Annex D- Pricing Schedule 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 otherwise specified, 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 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.

5.1.1 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.

5.1.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 The following security requirements (SRCL and related clauses provided by ISP) apply and form part of the Contract.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid **RELIABILITY STATUS**, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - b) *Industrial Security Manual* (Latest Edition).

6.2 Statement of Work

The Work to be performed is detailed under Annex A of the resulting contract clauses.

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

6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

b. Warranty

Section 9 of general conditions 2010A is amended by replacing the period of 12 months by 36 months.

All other provisions of the warranty section remain in effect.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 31 March 2019.

6.4.2 Optional Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at _____ of the Contract under the same conditions and at the prices and/or rates stated in the Contract. 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 at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.4.3 Shipping Instructions

Goods must be consigned and delivered to the destination specified in the contract:

1. Delivery will be FCA Free Carrier at _____ (*Contractor's facility*) Incoterms 2010. 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.

6.4.3.1 Delivery Point

Delivery of the requirement will be made to:

Department of National Defence
C/O QETE Warehouse
Ramp 8, Room C-1113
45 Boulevard Sacre-Coeur
Gatineau, Quebec, Canada
J8X 1C6

ATTN: Ivan Petrov (819-939-9630)

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Julianne Eng
Title: Material Acquisition and Support Officer
Department of National Defence
Directorate: Director of Land Procurement
Address: 101 Colonel By Dr.
Ottawa ON K1A 0K2

Telephone: 819-939-9078
Facsimile: 819-994-7659
E-mail address: julianne.eng@forces.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.

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

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

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the

Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

The Contractor's Representative for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm prices as specified in Annex B for a cost of \$_____. Customs duties are included and Applicable Taxes are extra.

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

6.6.2 Single Payments

SACC *Manual* clause [H1000C](#) (2008-05-12) Single Payment

6.6.5 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.9 Applicable Laws

T5

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

6.10 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) the general conditions 2010A (2018-06-21) General conditions: Goods (medium complexity);
- (c) Annex A, Statement of Work;
- (d) Annex C, Security Requirements Check List;
- (e) the Contractor's bid dated _____.

6.11 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

6.12 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance

6.13 Packaging Requirement

The Contractor must prepare item number(s) 1 for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-036/SF-000*, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item number(s) 1 in quantities of 1 by package.

SACC Manual clause [D2000C](#) (2007-11-30), Markings

SACC Manual clause [D2001C](#) (2007-11-30), Labelling

SACC Manual clause [D2025C](#) (2017-08-17), Wood Packing Materials

6.14 Quality Assurance

SACC Manual clause [D5545C](#) (2010-08-16), ISO 9001:2008 – Quality Management Systems Requirement (Quality Assurance Code C)

6.15 Condition of Material

The Contractor must provide material that is new production of current manufacture supplied by the principal manufacturer or its accredited agent. The material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, that was in effect on the bid closing date.

6.16 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.

6.17 Additional SACC Clauses

SACC Manual clause [B1006C](#) (2014-06-26), Condition of Material

SACC Manual clause [B1501C](#) (2006-06-16) Electrical Equipment

SACC Manual clause [B7500C](#) (2006-06-16), Excess Goods

ANNEX "A"

STATEMENT OF WORK

1. SCOPE

1.1. Objective

- 1.1.1. The purpose of this Statement of Work (SOW) is to define the technical requirements for a Suppressed Ion Chromatography (IC) System.

1.2. Background

- 1.2.1 The Quality Engineering Test Establishment (QETE) is a field unit within the Canadian Armed Forces (CAF) with the mandate to provide the Department of National Defence (DND) and the CAF with specialized, technology-based test and investigative services required to support engineering decisions throughout all phases of materiel acquisition and support. QETE provides technical advice and consultation, material evaluation, investigation and analysis, calibration and measurement, in the domains of mechanical and materials engineering, applied science, electrical engineering, measurement science and imagery.
- 1.2.2 The QETE 3-2 Applied Chemistry & Environmental Science group is composed of three Technology Specialty Areas (TSAs): (a) **Analytical Chemistry**; (b) **Flammability and Environmental Science**; and (c) **Corrosion Prevention and Mitigation**. The Analytical Chemistry laboratory provides a wide range of qualitative and quantitative, trace and bulk material analyses using 'state of the art' analytical instrumentation. Specialized analyses include energetic materials, gases (breathing, weapon systems, life support systems), air contaminants in confined crew stations as well as alloy identification and corrosion-related problems.

1.3. Terminology

CAF	Canadian Armed Forces
CSA	Canadian Standards Association
DND	Department of National Defence
FSR	Factory Service Representative
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
NPB	National Printing Bureau
OEM	Original Equipment Manufacturer
QETE	Quality Engineering Test Establishment
SOW	Statement of Work

Table 1-1 Acronyms and Abbreviations

cm	centimeters
°C	degrees Celsius
K	Kelvin
µL	microliters
mL	milliliters
min.	minutes
µS	micro-siemens

mS	milli-siemens
nS	Nano-siemens
ppb	parts per billion
ppm	parts per million
psi	pounds per square inch

Table 1-2 Measurement Units

2. REFERENCE DOCUMENTS

2.1. The following standards, references and documents apply to this SOW:

- 2.1.1. ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories.¹
- 2.1.2. Canadian Electrical Code.²

3. REQUIREMENTS

3.1. Scope of Work

- 3.1.1. QETE has a requirement for a Suppressed Ion Chromatography (IC) System. The scope of work includes the delivery and commissioning of the Equipment at QETE's facilities in Gatineau, Quebec and the delivery of training for scientists and technicians at this location.
- 3.1.2. The Equipment is defined as a Suppressed Ion Chromatography System, which must include:
 - (a) Solvent delivery subsystem;
 - (b) Sample injector;
 - (c) Conductivity detector;
 - (d) Column housing (oven);
 - (e) Operating software;
 - (f) Analysis software;
 - (g) Data processing hardware; and
 - (h) Accessories.
- 3.1.3. General Requirements:
 - 3.1.3.1. All electrical components of the Equipment must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.
 - 3.1.3.2. The Equipment must be covered by the manufacturer's standard warranty for a minimum period of three (3) years
 - 3.1.3.3. The Equipment must meet the more stringent of the technical specifications stated in this Statement of Work or the manufacturer's published specifications.
 - 3.1.3.4. The Equipment must meet the manufacturer's published specifications for any functional or performance parameter not specified in this Statement of Work.

3.1.4. Chemical Analysis Requirements:

¹ http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39883

² <http://www.csagroup.org/services/codes-and-standards/installation-codes/canadian-electrical-code/>

- 3.1.4.1. Must be able to measure the following anions:
 - (a) Fluoride
 - (b) Bromide
 - (c) Chloride
 - (d) Nitrate
 - (e) Nitrite
 - (f) Phosphate
 - (g) Phosphite
 - (h) Sulfate
 - (i) Carbonate
- 3.1.4.2. Must be able to measure the following cations:
 - (a) Ammonium
 - (b) Lithium
 - (c) Calcium
 - (d) Magnesium
 - (e) Potassium
 - (f) Sodium
- 3.1.4.3. Must be able to measure ions from 0.05 to 10 ppm.
- 3.1.5. Solvent delivery subsystem:
 - 3.1.5.1. Pump and hydraulics must include:
 - (a) dual piston pump
 - (b) pulse dampener
 - (c) pacified steel and inert polymeric components
 - 3.1.5.2. The maximum operating pressure must be at least 3500 psi.
 - 3.1.5.3. The pressure ripple must be less than 1.0%.
 - 3.1.5.4. The flow rate range must be from 0.001 to 20 mL/min.
 - 3.1.5.5. The flow precision must be within 0.1%.
 - 3.1.5.6. The flow accuracy must be within 0.1%.
 - 3.1.5.7. The tubing must be manufactured from inert polymeric material, compatible with common IC solvents.
- 3.1.6. Sample injector:
 - 3.1.6.1. Must be electronically-controlled by the software.
 - 3.1.6.2. Must include a 6-port Rheodyne injection valve (or equivalent).
 - 3.1.6.3. Must be capable of accommodating sample loops in the 5 µL to 250 µL range.
- 3.1.7. Conductivity detector:
 - 3.1.7.1. Must be microprocessor-controlled digital signal acquisition.
 - 3.1.7.2. Must include a thermostatted digital micro-flow conductivity cell.

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- 3.1.7.3. Linearity deviation must be less than 0.1% at 1 mS.
 - 3.1.7.4. Resolution must be at least 0.005 $\mu\text{S}/\text{cm}$.
 - 3.1.7.5. Range must be from 0 to 15000 μS .
 - 3.1.7.6. Maximum baseline noise must be no more than 2.0 nS/cm².
 - 3.1.7.7. Temperature range must be from 20°C to 50°C.
 - 3.1.7.8. Temperature stability must be at least 0.001°C.
 - 3.1.7.9. Temperature compensation must be between 0 and 5% / K.
 - 3.1.7.10. Cell body must be manufactured from an inert polymeric material.
 - 3.1.7.11. Cell volume must be at least 1.0 μL .
 - 3.1.8. Column housing (oven):
 - 3.1.8.1. Must accommodate all the necessary analytical columns, guard columns, and tubing.
 - 3.1.8.2. Must be thermostatically controlled in the range of 20°C to 70°C
 - 3.1.8.3. Must be insulated.
 - 3.1.9. Operating Software Requirements: The operating software must provide the following capabilities:
 - 3.1.9.1. The Equipment must include the latest version of the manufacturer's software designed for data acquisition, processing and reporting.
 - 3.1.9.2. The operating software must be capable of complete system control.
 - 3.1.10. Analysis Software Requirements: The analysis software must provide the following capabilities:
 - 3.1.10.1. Users must be able to log in, manipulate all instrumental settings and process each component of a chromatogram via the graphic user interface. Users are trained scientists with laboratory experience in the use and application of IC systems including development of IC analysis protocols, continuous signal acquisition and monitoring, and data processing.
 - 3.1.10.2. Provide data analytics to support decision making for system maintenance and parts replacement.
 - 3.1.11. Data processing hardware: Data processing hardware can be integrated into the design of the equipment, or provided as a separate commercial-off-the-shelf (COTS) desktop computer or portable computer. If a COTS computer is provided, then it must meet the following requirements:
 - (a) The computer must be delivered with the necessary software preloaded and installed along with free software updates provided for the software support period
 - (b) Central Processing Unit (CPU): X86-64, Intel VT-x/AMD-V, Trusted Platform Module (TPM) chip, Second Level Address Translation (SLAT)
 - (c) Basic Input / Output (BIOS) / Unified Extensible Firmware Interface (UEFI): TPM 2.0, Virtualization extensions: (Intel's VTx and VTd or AMD's AMD-V and AMD-Vi), SLAT, UEFI 2.3.1, Secure Boot
 - (d) Windows 10, Secure configuration (if possible, the Contractor should provide a BIOS unlocking tool to unlock BIOS passwords that have been lost)
 - (e) Random Access Memory (RAM): minimum 8 GB (gigabyte) RAM

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- (f) Hard Disk Drive: minimum 1 TB (terabyte) SSD/mSATA/NVMe (any type of non-spinning disk drive)
 - (g) Graphics Processing Unit: onboard VGA or other video with adapter; HDMI, Mini-HDMI, DisplayPort with VGA or DVI adapter for compatibility; and dual monitor capability
 - (h) Universal Serial Bus (USB) Ports: Four ports (minimum) onboard, including one 3.0 port (minimum) onboard
 - (i) RJ-45 Network Interface: 10/100/1000 Ethernet IPv4/IPv6 compatible
 - (j) Keyboard (for desktop computer): must meet TBITS 5: Canadian Government Keyboard Standard for Information Technology Equipment Implementation Criteria³
 - (k) Wireless: must be 802.11 a/b/g/n/ac
 - (l) Mouse: optical mouse must be included
 - (m) Software Drivers: must have support for Windows 10
 - (n) Security: TPM 2.0
 - (o) Display: 23 inch FHD LCD monitor (e.g. HP EliteDisplay E232 23-inch Monitor, or equivalent)
 - (p) All cables required to connect to the data collection hardware.

3.1.12. Accessories:

- 3.1.12.1. Must include a suppressor for suppressing background conductivity of the mobile phase.
- 3.1.12.2. Must include an eluent generator.
- 3.1.12.3. Must include an auto-sampler to automatically inject samples into the system in a defined sequence.
- 3.1.12.4. Must include two analytical columns:
 - (a) One analytical column for anions.
 - (b) One analytical column for cations.
- 3.1.12.5. Must include two guard columns:
 - (a) One guard column for anions.
 - (b) One guard column for cations.
- 3.1.12.6. Must include four (4) solvent bottles.
- 3.1.12.7. Must include tubing (manufacturer's recommended quantity and types of spare tubing).
- 3.1.12.8. Must include a tool kit (manufacturer's standard tool kit normally provided with the system).
- 3.1.12.9. All necessary cables and connectors required for a fully functional system must be provided.

3.1.13. Power Requirements:

- 3.1.13.1. The Equipment must be powered by a standard 120 VAC / 60 Hz power outlet.

³ Available at: <http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=17253>

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- 3.1.13.2. The Equipment must include all power supplies required to achieve full functionality.

3.2. Tasks

3.2.1. Installation and Commissioning

- 3.2.1.1. The Contractor must install the Equipment in DND's facilities in the QETE 3-2 Analytical Chemistry Laboratory in the National Printing Bureau building at 45 Sacré-Coeur Blvd, Gatineau, Québec:
- 3.2.1.2. The Contractor must perform all actions needed to commission the Equipment for operational use by DND staff. Commissioning includes conducting all visual inspections, system checks, tests and any other activities specified by the manufacturer's standard operating procedures for commissioning new Equipment to ensure that the Equipment will function in accordance with the requirements of this SOW as well as the manufacturer's specifications.
- 3.2.1.3. The installation, levelling, securing, initial start-up, and calibration of Equipment must be performed by the Contractor's authorized factory service representatives (FSRs).
- 3.2.1.4. The Contractor must supply all tools and supplies needed by the Contractor's FSRs to complete the installation.

3.2.2. Training – The Contractor must provide the following training services and products:

- 3.2.2.1. Provide on-site training in English on the proper operation and maintenance of the Equipment for up to three personnel who are experienced scientists with knowledge in ion chromatography equipment and applications.
- 3.2.2.2. Training will be delivered in the QETE Applied Chemistry Laboratory following the commissioning of the Equipment and at a minimum must include an overview of the Equipment, its operation, safety features, maintenance to be performed by the operator, and a hands-on tutorial using the delivered Equipment and test scenarios to be provided by QETE.
- 3.2.2.3. Optional Supplemental Training – Canada may require supplemental onsite training throughout the period of the contract to cover some topics in greater depth, including advanced analytical method development, work with complex analytical matrices, and advanced troubleshooting techniques. This training will involve up to three technical personnel with practical knowledge of ion chromatography and will be delivered by the Contractor onsite at QETE's facilities in Gatineau, Québec. This service will be provided as an option, to be exercised at the sole discretion of Canada. For planning purposes, Canada estimates that this service will be required 3 times throughout the contract period for a one-day (7.5 hours) in-depth training session. Canada does not guarantee that this estimate is representative of the services that will actually be requested under the option.
- 3.2.2.4. The Contractor must provide the following training documentation:
- (a) Training Summary Report that identifies all students who participated in the training, the date(s) and location(s) of the training, and the instructor(s), and
 - (b) Training Certificate for each student that identifies the student's name and organization, the training activity, the date(s) and location(s) of the training, the approved training organization's name, logo, and authorized signature.

3.2.3. Technical Service Support

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- 3.2.3.1. Availability – The Contractor must:
- (a) ensure that full service support and replacement parts are available for a period of ten years following the date of delivery of the Equipment; and
 - (b) without limiting the generality of Section 3.2.3.1.(a), provide Canada with a one year written notification prior to the Equipment parts no longer being available, and failing such notification, the Contractor must provide Canada sufficient notice to ensure that Canada may purchase the parts that are no longer available.
- 3.2.3.2. Service Desk – A support service desk function must be provided to help Canada in answering questions with respect to the Equipment that includes, at a minimum:
- (a) telephone technical support between the hours of 08:00 and 17:00 (Eastern Time), Monday to Friday, excluding public holidays;
 - (b) e-mail technical support with a response within 48 hours excluding weekends and public holidays; and
 - (c) on-line help resources, including contact information, product information and documentation downloads (e.g. product brochures, technical manuals).
- 3.2.3.3. Product Notifications – Canada must be advised in writing as soon as reasonably possible in the event of:
- (a) any safety-related product recalls or advisories, component defects, and other similar events;
 - (b) any security vulnerabilities that are subsequently discovered;
 - (c) any hidden or previously unknown defects that are subsequently discovered that may adversely affect product performance and/or functionality; and
 - (d) updates to software and product manuals.
- 3.2.3.4. Software Support:
- (a) The Contractor must provide Maintenance Releases for a period of ten (10) years from the Contract Award date.
 - (b) All provided proprietary software must be of the most current version and must be provided with a full end-user licence not limited in time, and provided with a backup CD/DVD disk(s)/USB.
- 3.2.3.5. Preventive Maintenance – Canada may require on-site preventive maintenance services at QETE's facilities in Gatineau, Québec for the Equipment over a period of ten years following contract award. This service will be provided as an option, to be exercised at the sole discretion of Canada. The work must be completed within 30 days of exercising the option, unless a longer delivery timeline is otherwise specified by Canada at the time of exercising the option. If the option is exercised, preventive maintenance will:
- (a) be performed for the purpose of maintaining the Equipment in satisfactory operating condition by providing for systematic inspection, detection, and correction of incipient failures either before they occur or before they develop into major defects; and
 - (b) include tests, measurements, adjustments, and parts replacement, performed specifically to prevent faults from occurring.

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- 3.2.3.6. Corrective Maintenance – Canada may require on-site corrective maintenance services at QETE's facilities in Gatineau, Québec for the Equipment over a period of ten years following contract award and after the expiration of the warranty period. Corrective maintenance is performed to identify and correct a fault so that the failed equipment can be restored to an operational condition within the tolerances required for in-service operations. Corrective maintenance includes repairs due to a breakdown including parts replacement and all associated labour. The work must be completed within 30 days of exercising the option, unless a longer delivery timeline is otherwise specified by Canada at the time of exercising the option.
- 3.2.4. Equipment Certifications
- 3.2.4.1. Certificate of Calibration – The Contractor must provide a Certificate of Calibration for a traceable calibration for the Equipment performed by a laboratory having a quality management system compliant with ISO/IEC 17025 (latest version).
- 3.2.4.2. Certificate of Conformance – The Contractor must provide a Certificate of Conformance to attest that the delivered Equipment has been manufactured according to the Contractor's published specifications and has been verified to function as designed. The Certificate must identify the location and date of completion of manufacturing and must be signed by an authorized representative of the manufacturer.
- 3.2.4.3. Statement of Compliance – The Contractor must provide a Statement of Compliance to attest that the delivered Equipment meets the requirements of the Contract. The Statement of Compliance may be provided within the Certificate of Conformance or as a separate document.
- 3.2.4.4. Statement of Continued Production and Support – The Contractor must provide a Statement of Continued Production to attest that the Equipment is neither manufacturer-discontinued nor is there an intent to discontinue the manufacturing of the Equipment within two (2) years. The Statement must also attest that the Contractor will continue to provide technical support and spare parts supply for a minimum of ten years following delivery of the Equipment.
- 3.2.5. Equipment Documentation – The Contractor must provide the following documentation in support of the delivered Equipment:
- 3.2.5.1. User Operations Manual – provides detailed information about the functionality and operation of the Equipment and the care, maintenance and calibration/verification steps of the Equipment that is normally performed by the user.
- 3.2.5.2. Maintenance Manual (if available) – provides detailed information and instructions for preventive and corrective maintenance.
- 3.2.5.3. Any updates during the Support Period to the above documents that impact the operation, maintenance and calibration of the delivered Equipment.

3.3. Constraints

- 3.3.1. All on-site work to deliver, install, test, commission, maintain, and calibrate the Equipment and to train DND personnel must be performed during normal business hours (Monday to Friday, 08:00 to 17:00).

3.4. Support Provided by Canada

- 3.4.1. Canada will provide the Contractor with:

- 3.4.1.1. Access to the job site;
- 3.4.1.2. Access to electric power;
- 3.4.1.3. On-site parking at the Contractor's expense.

3.5. Time Frame and Delivery Dates

- 3.5.1. Equipment delivery – 4 weeks after contract award;
- 3.5.2. Equipment documentation – at the time of Equipment delivery;
- 3.5.3. Installation and commissioning of Equipment – within 30 days after Equipment delivery;
- 3.5.4. Training – at the time of installation and commissioning of the Equipment
- 3.5.5. Optional Supplemental Training – dates to be determined; and
- 3.5.6. Certifications – at the time of Equipment commissioning.

3.6. Contractor Qualifications

- 3.6.1. The Contractor must be an approved supplier of the OEM. If the Contractor is not the OEM, then the Contractor must provide a letter from the OEM confirming that the Contractor is an approved supplier.
- 3.6.2. Personnel delivering training must be factory-trained representatives or must be approved as qualified trainers by the OEM.

4. DELIVERABLES

4.1 List of Deliverables:

No.	Deliverable Item	Qty	Notes
1	Suppressed Ion Chromatography System	1	
2	Preventive Maintenance Services	9	Optional service: Annually for 9 years for Years 2 - 10
3	Corrective Maintenance Services	See Notes	Optional Service – for Years 4 to 10
4	Training Services	1	At the time of Equipment commissioning
5	Certificate of Calibration	1	1 electronic copy by email
6	Certificate of Conformance	1	1 electronic copy by email
7	Statement of Compliance	1	1 electronic copy by email
8	Statement of Continued Production and Support	1	1 electronic copy by email
9	User Operations Manual	1	1 electronic copy by email
10	Maintenance Manual (if available)	1	1 electronic copy by email
11	Training Material	1	1 electronic copy by email
12	Training Report	1	1 electronic copy by email
13	Training Certificates	See Notes	1 certificate for each student who attended the training, electronic copies by email

No.	Deliverable Item	Qty	Notes
14	Optional Supplemental Training Services	See Notes	Estimate of 3 two-day on-site training sessions

Table 4-1 List of Deliverables

4.2 Format for Documentation

- 4.2.1 Unless otherwise specified, Equipment documentation, reports, certificates and compliance statements must be provided in English.
- 4.2.2 The Contractor must provide DND with the right to translate into French all documentation delivered under the scope of work with the same distribution rights as are provided for the English versions.
- 4.2.3 Equipment documentation and reports may be provided in Contractor format.
- 4.2.4 Unless otherwise specified, certificates and compliance statements may be provided in Contractor format.
- 4.2.5 Document files provided in electronic format must provide users with the capability to search documents (e.g. keyword search).
- 4.2.6 Unless otherwise specified, electronic document files must be provided in PDF format.

ANNEX "B"

MANDATORY TECHNICAL CRITERIA

1. General Instructions

The Bid must meet the mandatory requirements specified below. Bidders must provide the necessary documentation to support compliance with the requirements, including technical data sheets, specifications, brochures and/or other relevant technical documentation describing the equipment offered and demonstrating compliancy. Each mandatory technical requirement should be addressed separately and in the order presented below.

2. Mandatory Requirements Compliancy Matrix

Where *Provide Proposal Reference or Description* is indicated for the Bidder's response, Bidders must either provide a reference to their technical proposal where information can be found that clearly shows how the requirement is met by the proposed solution, or provide a description of how the requirement is met. Where the Bidder's technical documentation does not clearly demonstrate that the equipment offered will meet a specific requirement, the Bidder's proposal must provide additional descriptions of how the requirement will be met by the proposed solution.

Where *Provide Statement of Compliance* is indicated for the Bidder's response, Bidders must commit to complying with the requirement during the performance of the work. Bidders may indicate "Yes" in the Compliant column, which will be a commitment to comply, or they may provide a statement committing to comply.

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
3.	REQUIREMENTS				
3.1.	Scope of Work				
3.1.2.	The Equipment is defined as a Suppressed Ion Chromatography System, which must include:				
(a)	Solvent delivery subsystem;	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	Sample injector;	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	Conductivity detector;	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(d)	Column housing (oven);	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
(e)	Operating software	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(f)	Analysis software;	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(g)	Data processing hardware;	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(h)	Accessories; and	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.3.	General Requirements:				
3.1.3.1.	All electrical components of the Equipment must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.3.2.	The Equipment must be covered by the manufacturer's standard warranty for a minimum period of three (3) years	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.3.3.	The Equipment must meet the more stringent of the technical specifications stated in this Statement of Work or the manufacturer's published specifications.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.3.4.	The Equipment must meet the manufacturer's published specifications for any functional or performance parameter not specified in this Statement of Work.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.4.	Chemical Analysis Requirements:				
3.1.4.1.	Must be able to measure the following anions:				
(a)	Fluoride	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	Bromide	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	Chloride	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(d)	Nitrate	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
(e)	Nitrite	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(f)	Phosphate	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(g)	Phosphite	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(h)	Sulfate	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(i)	Carbonate	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.4.2.	Must be able to measure the following cations:				
(a)	Ammonium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	Lithium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	Calcium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(d)	Magnesium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(e)	Potassium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(f)	Sodium	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.4.3.	Must be able to measure ions from 0.05 to 10 ppm.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.	Solvent delivery subsystem:				
3.1.5.1.	Pump and hydraulics must include:				
(a)	dual piston pump	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	pulse dampener	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	pacified steel and inert polymeric components	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
3.1.5.2.	The maximum operating pressure must be at least 3500 psi.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.3.	The pressure ripple must be less than 1.0%.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.4.	The flow rate range must be from 0.001 to 20 mL/min.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.5.	The flow precision must be within 0.1%.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.6.	The flow accuracy must be within 0.1%.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.5.7.	The tubing must be manufactured from inert polymeric material, compatible with common IC solvents.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.6.	Sample injector:				
3.1.6.1.	Must be electronically-controlled by the software.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.6.2.	Must include a 6-port Rheodyne injection valve (or equivalent).	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.6.3.	Must be capable of accommodating sample loops in the 5 µL to 250 µL range.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.	Conductivity detector:				
3.1.7.1.	Must be microprocessor-controlled digital signal acquisition.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.2.	Must include a thermostatted digital micro-flow conductivity cell.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.3.	Linearity deviation must be less than 0.1% at 1 mS.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.4.	Resolution must be at least 0.005 µS/cm.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.5.	Range must be from 0 to 15000 µS.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.6.	Maximum baseline noise must be no more than 2.0 nS/cm ² .	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
3.1.7.7.	Temperature range must be from 20°C to 50°C.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.8.	Temperature stability must be at least 0.001°C.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.9.	Temperature compensation must be between 0 and 5% / K.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.10.	Cell body must be manufactured from an inert polymeric material.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.7.11.	Cell volume must be at least 1.0 µL.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.8.	Column housing (oven):				
3.1.8.1.	Must accommodate all the necessary analytical columns, guard columns, and tubing.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.8.2.	Must be thermostatically controlled in the range of 20°C to 70°C	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.8.3.	Must be insulated.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.9.	Operating Software Requirements: The operating software must provide the following capabilities:				
3.1.9.1.	The Equipment must include the latest version of the manufacturer's software designed for data acquisition, processing and reporting.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.9.2.	The operating software must be capable of complete system control.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.10.	Analysis Software Requirements: The analysis software must provide the following capabilities:				
3.1.10.1.	Users must be able to log in, manipulate all instrumental settings and process each component of a chromatogram via the graphic user interface. Users are trained scientists with laboratory experience in the use and application of IC systems including development of IC analysis protocols, continuous signal acquisition and monitoring, and data processing.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
3.1.10.2.	Provide data analytics to support decision making for system maintenance and parts replacement.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.11.	Data processing hardware: Data processing hardware can be integrated into the design of the equipment, or provided as a separate commercial-off-the-shelf (COTS) desktop computer or portable computer. If a COTS computer is provided, then it must meet the following requirements:	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(a)	The computer must be delivered with the necessary software preloaded and installed along with free software updates provided for the software support period	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	Central Processing Unit (CPU): X86-64, Intel VT-x/AMD-V, Trusted Platform Module (TPM) chip, Second Level Address Translation (SLAT)	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	Basic Input / Output (BIOS) / Unified Extensible Firmware Interface (UEFI): TPM 2.0, Virtualization extensions: (Intel's VTx and VTd or AMD's AMD-V and AMD-Vi), SLAT, UEFI 2.3.1, Secure Boot	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(d)	Windows 10, Secure configuration (if possible, the Contractor should provide a BIOS unlocking tool to unlock BIOS passwords that have been lost)	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(e)	Random Access Memory (RAM): minimum 8 GB (gigabyte) RAM	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(f)	Hard Disk Drive: minimum 1 TB (terabyte) SSD/mSATA/NVMe (any type of non-spinning disk drive)	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(g)	Graphics Processing Unit: onboard VGA or other video with adapter; HDMI, Mini-HDMI, DisplayPort with VGA or DVI adapter for compatibility; and dual monitor capability	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(h)	Universal Serial Bus (USB) Ports: Four ports (minimum) onboard, including one 3.0 port (minimum) onboard	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(i)	RJ-45 Network Interface: 10/100/1000 Ethernet IPv4/IPv6 compatible	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(j)	Keyboard (for desktop computer): must meet TBITS 5: Canadian Government Keyboard Standard for Information Technology Equipment Implementation Criteria	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
(k)	Wireless: must be 802.11 a/b/g/n/ac	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(l)	Mouse: optical mouse must be included	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(m)	Software Drivers: must have support for Windows 10	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(n)	Security: TPM 2.0	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(o)	Display: 23 inch FHD LCD monitor (e.g. HP EliteDisplay E232 23-inch Monitor, or equivalent)	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(p)	All cables required to connect to the data collection hardware.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.	Accessories:				
3.1.12.1.	Must include a suppressor for suppressing background conductivity of the mobile phase.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.2.	Must include an eluent generator.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.3.	Must include an auto-sampler to automatically inject samples into the system in a defined sequence.	<i>Provide Proposal Reference or Description</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.4.	Must include two analytical columns:				
(a)	One analytical column for anions.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	One analytical column for cations.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.5.	Must include two guard columns:				
(a)	One guard column for anions.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
(b)	One guard column for cations.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.6.	Must include four (4) solvent bottles.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	

No.	Mandatory Technical Criteria	Supporting Evidence Required	Compliant		Proposal Reference or Description
			Yes	No	
3.1.12.7.	Must include tubing (manufacturer's recommended quantity and types of spare tubing).	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.8.	Must include a tool kit (manufacturer's standard tool kit normally provided with the system).	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.12.9.	All necessary cables and connectors required for a fully functional system must be provided.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.13.	Power Requirements:				
3.1.13.1.	The Equipment must be powered by a standard 120 VAC / 60 Hz power outlet.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.1.13.2.	The Equipment must include all power supplies required to achieve full functionality.	<i>Provide Statement of Compliance</i>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2.3.5.	Preventive Maintenance – Canada may require on-site preventive maintenance services at QETE's facilities in Gatineau, Québec for the Equipment over a period of ten years following contract award. This service will be provided as an option, to be exercised at the sole discretion of Canada. The work must be completed within 30 days of exercising the option, unless a longer delivery timeline is otherwise specified by Canada at the time of exercising the option. If the option is exercised, preventive maintenance will: (a) be performed for the purpose of maintaining the Equipment in satisfactory operating condition by providing for systematic inspection, detection, and correction of incipient failures either before they occur or before they develop into major defects; and (b) include tests, measurements, adjustments, and parts replacement, performed specifically to prevent faults from occurring.	<i>Provide a Preventative Maintenance schedule for the 10 year period with details of the specific maintenance routines noted in the maintenance schedule. The details should provide the number of hours required to perform the routine along with the parts to be replaced.</i>	<input type="checkbox"/>	<input type="checkbox"/>	

ANNEX "C"

SECURITY REQUIREMENTS CHECK LIST



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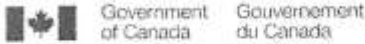
**SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)**

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Organising Government Department or Organization / Ministère ou organisme gouvernemental d'origine DND		2. Branch or Directorate / Direction générale ou Direction Quality Engineering Test Establishment (QETE)
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Purchase, delivery, installation, testing, commissioning and training for a Suppressed Ion Chromatography (IC) System at QETE Delivery Address: DND, QETE Supply, NPB Building, 45 Blvd Sacré Coeur, Room C1113, Ramp 7, Gatineau, QC, J8X 1C0		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Non <input type="checkbox"/> Oui
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Non <input type="checkbox"/> Oui
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Non <input type="checkbox"/> Oui
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Non <input type="checkbox"/> Oui
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Non <input type="checkbox"/> Oui
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET <input type="checkbox"/>
SECRET <input type="checkbox"/>		SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>		TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>

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PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
If Yes, indicate the level of sensitivity.
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? No / Non Yes / Oui
Short Title(s) of material / Titre(s) abrégé(s) du matériel :
Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input checked="" type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITE	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS SECRET
<input type="checkbox"/> TOP SECRET - SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCES AUX EMPLACEMENTS			

Special comments:
Commentaires spéciaux : Site access to operational zone required to install and test equipment and to train OETE staff on its use.

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui
If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

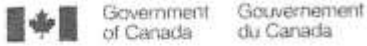
PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



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PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COMSEC TOP SECRET COMSEC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET TRÈS SECRET
											A	B	C			
Information / Assets Informations / Biens																
Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui
- If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.
12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui
- If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



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PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13. Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées) Donald Turcotte	Title - Titre Complex Projects Manager	Signature <i>[Signature]</i>	Date 26 July 2018
Telephone No. - N° de téléphone 819-839-9149	Facsimile No. - N° de télécopieur 819-997-2523	E-mail address - Adresse courriel donald.turcotte@forces.gc.ca	
14. Organization Security Authority / Responsable de l'organisme			
Name (print) - Nom (en lettres moulées) Anny Graham - DSSO - Industrial Security Analyst	Title - Titre Senior Security Analyst	Signature <i>[Signature]</i>	Date 02 Aug 2017
Telephone No. - N° de téléphone 819-996-9263	Facsimile No. - N° de télécopieur 819-996-9263	E-mail address - Adresse courriel anny.graham@forces.gc.ca	
15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? / Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?			
			<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui
16. Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres moulées) Julianne Eng	Title - Titre Material Acquisition & Support Officer	Signature <i>[Signature]</i>	Date 30 July 2018
Telephone No. - N° de téléphone 819-939-9078	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel Julianne.Eng@forces.gc.ca	
17. Contracting Security Authority / Autorité contractante en matière de sécurité			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature Francis, Andree	Date 2018.08.29 11:07:56 -04'00'
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	

TBS/SCT-350-103(2004/12)

Security Classification / Classification de sécurité Unclassified
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ANNEX “D”

PRICING SCHEDULE

The Bidder must complete this pricing schedule and include it in its financial bid once completed. Bidders must include a price for all items. If an item has no cost, \$0.00 must be entered or if it is included in another item then a statement must be made. The information in this Annex will form part of the resulting contract. It is anticipated that in the resulting contract, this Annex will become Annex “B”.

Bidders are to review paragraph 3.1 Bid Preparation Instructions Section II Financial bid for instructions on the completion of the Pricing Schedule.

Deliverables Item / Goods and Services	Qty	Firm Unit Price Applicable Taxes Extra	Total Price Applicable Taxes Extra
Initial Requirement			
1) Suppressed Ion Chromatography System (SOW 3.1.2 – 3.1.11) including warranty period of 3 years (SOW 3.1.3.2, RFP 6.3.1 (b))	1	\$	\$
2) Accessories (SOW 3.1.12)			
a) Suppressor for suppressing background conductivity of mobile phase (SOW 3.1.12.1)	1	\$	\$
b) Eluent generator (SOW 3.1.12.2)	1	\$	\$
c) Auto-sampler to automatically inject samples into the system in a defined sequence (SOW 3.1.12.3)	1	\$	\$
d) Analytical columns [1 for anions and 1 for cations] (SOW 3.1.12.4)	2	\$	\$
e) Guard columns [1 for anions and 1 for cations] (SOW 3.1.12.5)	2	\$	\$
f) Solvent bottles (SOW 3.1.12.6)	4	\$	\$
g) Tubing (SOW 3.1.12.7)	1 Lot	\$	\$
h) Tool Kit (SOW 3.12.1.8)	1	\$	\$
i) Cables and connectors (SOW 3.12.1.9)	1 Lot	\$	\$
3) Installation and Commissioning (SOW 3.2.1)	1	\$	\$
4) Training (SOW 3.2.2)	1	\$	\$
a) Training material (SOW 4.1 No. 11)	1 Lot	\$	\$
b) Training summary report (SOW 3.2.2.4 (a))	1 Lot	\$	\$
c) Training certificate (SOW 3.2.2.4 (b))	1 Lot	\$	\$
5) Technical Service Support (SOW 3.2.3)			
a) Availability (SOW 3.2.3.1)	1	\$	\$

b) Service Desk (SOW 3.2.3.2)	1	\$	\$
c) Product Notifications (SOW 3.2.3.3)	1	\$	\$
d) Software Support (SOW 3.2.3.4)	1	\$	\$
6) Documentation			
a. Certificate of Calibration (SOW 3.2.4.1, SOW 4.1 No. 5)	1	\$	\$
b. Certificate of Conformance (SOW 3.2.4.2, SOW 4.1 No. 6)	1	\$	\$
c. Statement of Compliance (SOW 3.2.4.3, SOW 4.1 No. 7)	1	\$	\$
d. Statement of Continued Production and Support (SOW 3.2.4.4, SOW 4.1 No. 8)	1	\$	\$
e. User Operations Manual (SOW 3.2.5.1, SOW 4.1 No. 9)	1	\$	\$
f. Maintenance Manual (SOW 3.2.5.2, SOW 4.1 No. 10)	1	\$	\$
Subtotal			\$
Applicable Taxes			% \$
Total Evaluated Price			\$

Note: Quantities specified for corrective maintenance services are estimates that are provided for the purposes of financial evaluation. Actual quantities to be ordered may be more or less than the quantities specified herein. Maintenance to be performed on site at QETE's facilities. The Contracting Authority will request a quote for quantities if the option is exercised.

Optional Requirement			
1)Supplemental training (SOW 3.2.2.3, SOW 4.1 No. 14)			
a) Option 1	1	\$	\$
b) Option 2	1	\$	\$
c) Option 3	1	\$	\$
2)Preventive maintenance (SOW 3.2.3.5, SOW 4.1 No. 2)			
a) Year 1 (2019/2020)	1	\$	\$
b) Year 2 (2020/2021)	1	\$	\$
c) Year 3 (2021/2022)	1	\$	\$
d) Year 4 (2022/2023)	1	\$	\$
e) Year 5 (2023/2024)	1	\$	\$
f) Year 6 (2024/2025)	1	\$	\$
g) Year 7 (2025/2026)	1	\$	\$
h) Year 8 (2026/2027)	1	\$	\$
i) Year 9 (2027/2028)	1	\$	\$
3)Corrective maintenance (SOW 3.2.3.6, SOW 4.1 No. 3)			
a) Year 1 (2022/2023)	7.5	\$	/Hour \$
b) Year 2 (2023/2024)	7.5	\$	/Hour \$
c) Year 3 (2024/2025)	7.5	\$	/Hour \$
d) Year 4 (2025/2026)	7.5	\$	/Hour \$
e) Year 5 (2026/2027)	7.5	\$	/Hour \$
f) Year 6 (2027/2028)	7.5	\$	/Hour \$

g) Year 7 (2028/2029)	7.5	\$	/Hour	\$
Total Evaluated Price				\$

ANNEX "E"

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);