

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 1T3
Nova Scotia
Bid Fax: (902) 496-5016**

Request For a Standing Offer Demande d'offre à commandes

National Master Standing Offer (NMSO)
Offre à commandes principale et nationale (OCPN)

Canada, as represented by the Minister of Public Works and Government Services Canada, hereby requests a Standing Offer on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et Services Gouvernementaux Canada, autorise par la présente, une offre à commandes au nom des utilisateurs identifiés énumérés ci-après.

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 3C9
Nova Scot

Title - Sujet Automatic Data Processing Equipment	
Solicitation No. - N° de l'invitation W7707-175909/B	Date 2017-07-27
Client Reference No. - N° de référence du client W7707-17-5909	GETS Ref. No. - N° de réf. de SEAG PW-\$HAL-218-10157
File No. - N° de dossier HAL-6-77240 (218)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-09-06	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Conrad, Darren	Buyer Id - Id de l'acheteur hal218
Telephone No. - N° de téléphone (902)496-5353 ()	FAX No. - N° de FAX (902)496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE SEE HEREIN DARTMOUTH NOVA SCOTIA B3A3C5 Canada	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

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

This bid solicitation cancels and supersedes previous bid solicitation number W7707-175909/A dated 2017-02-23 with a closing of 2017-04-07 at 2:00 PM AST. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 INTRODUCTION.....	3
1.2 SUMMARY	3
1.3 DEBRIEFINGS	4
PART 2 - OFFEROR INSTRUCTIONS	4
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	4
2.2 SUBMISSION OF OFFERS	4
2.3 ENQUIRIES - REQUEST FOR STANDING OFFERS	4
2.4 APPLICABLE LAWS.....	5
PART 3 - OFFER PREPARATION INSTRUCTIONS	5
3.1 OFFER PREPARATION INSTRUCTIONS.....	5
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	6
4.1 EVALUATION PROCEDURES.....	6
4.2 BASIS OF SELECTION	7
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION	7
5.1 CERTIFICATIONS REQUIRED WITH THE OFFER	7
5.2 CERTIFICATIONS PRECEDENT TO THE ISSUANCE OF A STANDING OFFER AND ADDITIONAL INFORMATION	7
PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES	8
A. STANDING OFFER.....	8
6.1 OFFER.....	8
6.2 SECURITY REQUIREMENTS	8
6.3 STANDARD CLAUSES AND CONDITIONS.....	8
6.4 TERM OF STANDING OFFER	9
6.5 AUTHORITIES	9
6.7 IDENTIFIED USERS.....	10
6.8 CALL-UP INSTRUMENT	10
6.9 LIMITATION OF CALL-UPS	10
6.10 FINANCIAL LIMITATION.....	10
6.11 PRIORITY OF DOCUMENTS	11
6.12 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	11
6.13 APPLICABLE LAWS.....	11
B. RESULTING CONTRACT CLAUSES.....	11
6.1 STATEMENT OF REQUIREMENT	11
6.2 STANDARD CLAUSES AND CONDITIONS.....	12
6.3 TERM OF CONTRACT	12
6.4 PAYMENT	12
6.5 INVOICING INSTRUCTIONS	13

N° de l'invitation - Solicitation No.
W7707-175909/B
N° de réf. du client - Client Ref. No.
W7707-175909

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Id de l'acheteur - Buyer ID
HAL218
N° CCC / CCC No./ N° VME - FMS

6.6	INSURANCE	14
6.7	SACC MANUAL CLAUSES	14
ANNEX A	.....	15
	STATEMENT OF <i>REQUIREMENT</i>	15
ANNEX B	.....	18
	BASIS OF PAYMENT	18
ANNEX C	.....	19
	MANDATORY EVALUATION CRITERIA	19
ANNEX D TO PART 3 OF THE REQUEST FOR STANDING OFFERS	.....	21
	ELECTRONIC PAYMENT INSTRUMENTS	21
ANNEX E	.....	22
	REPORTING REQUIREMENTS.....	22
ANNEX F	.....	23
	INFORMATION FOR CODE OF CONDUCT CERTIFICATION	23

PART 1 - GENERAL INFORMATION

1.1 Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- | | |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part 1 | General Information: provides a general description of the requirement; |
| Part 2 | Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO; |
| Part 3 | Offer Preparation Instructions: provides Offerors with instructions on how to prepare their offer to address the evaluation criteria specified; |
| Part 4 | Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection; |
| Part 5 | Certifications and Additional Information: includes the certifications and additional information to be provided; and |
| Part 6 | 6A, Standing Offer, and 6B, Resulting Contract Clauses:

6A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

6B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer. |

The Annexes include the Statement of Requirement, the Basis of Payment, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification and any other annexes

1.2 Summary

- 1.2.1 Public Service and Procurement Canada (PSPC) has a requirement on behalf of the Department of National Defence (DND), Defence Research and Development Canada (DRDC) - Atlantic Research Centre in Dartmouth, Nova Scotia, for the purchase military-standard, ruggedized computers that meet the attached specifications.

Defence Research and Development Canada - Atlantic Research Centre requires ruggedized computers for sea-going systems for acoustic processing research and display. The computers form a processing and display cluster and must be sized to fit into the expected spaces aboard ship. The computers are based on commercial components running applications and code in Linux (Ubuntu and Red Hat Enterprise License) and Microsoft Windows environments. The computers must meet military specifications as the primary function is deployment for extended periods, from a few weeks to a few months, of time aboard military and research ships. This configuration is a display processor using commercial off the shelf (COTS) hardware. This allows for ease of maintenance and the ability to exchange parts between units in the event of failures while the systems are fielded at sea.

- 1.2.2 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 Canadian Free Trade Agreement (CFTA).

1.3 Debriefings

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006](#) (2016-04-04) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

2.2 Submission of Offers

Offers 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 Request for Standing Offers.

Due to the nature of the Request for Standing Offers, transmission of offers by facsimile to PWGSC will not be accepted.

2.3 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than five (5) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by Offerors 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 Offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Offerors. Enquiries not submitted in a form that can be distributed to all Offerors may not be answered by Canada.

2.4 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 Offerors.

PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1 Offer Preparation Instructions

Canada requests that Offerors provide their offer in separately bound sections as follows:

Section I: Technical Offer (2 hard copies)

Section II: Financial Offer (1 hard copies)

Section III: Certifications (1 hard copies)

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

Canada requests that Offerors follow the format instructions described below in the preparation of their offer.

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to that of the Request for Standing Offers.

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, Offerors 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 Offer

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

Section II: Financial Offer

Offerors must submit their financial offer in accordance with the Annex B, Basis of Payment . The total amount of Applicable Taxes must be shown separately.

3.1.1 Electronic Payment of Invoices - Offer

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

If Annex D 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

Section III: Certifications Offerors must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

1. The Bidder must submit specifications and descriptive literature for the computer and server systems being offered in their proposal. Details stated in your specifications and descriptive literature will be compared and must meet the Mandatory Requirements specified in Annex A, Requirement.

Documentation may consist of a manufacturer's name, product part number and a catalog description including any specific information.

It is incumbent upon the Bidder to submit a complete proposal showing that their items will meet or exceed the technical descriptions described in this solicitation. Failure to submit sufficient information to allow for a full evaluation will result in the proposal being declared non-responsive.

2. The Bidder is to complete the Cross Reference column in Annex C – Mandatory Evaluation Criteria identifying the page/paragraph in their proposal which demonstrated that they meet each of the specified mandatory criteria.

4.1.2 Financial Evaluation

SACC Manual Clause [M0222T](#) (2016-01-28), Evaluation of Price

4.2 Basis of Selection

4.2.1 Mandatory Technical Criteria

SACC Manual Clause A0031T, 2010-08-16, Basis of Selection - Mandatory Technical Criteria

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Offerors must provide the required certifications and additional information to be issued a standing offer.

The certifications provided by Offerors to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority will render the offer non-responsive, result in the setting aside of the Standing Offer or constitute a default under the Contract.

5.1 Certifications Required with the Offer

Offerors must submit the following duly completed certifications as part of their offer.

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) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Offeror must provide with its offer the required documentation, as applicable), to be given further consideration in the procurement process.

5.2 Certifications Precedent to the Issuance of a Standing Offer and Additional Information

The certifications and additional information listed below should be submitted with the offer, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror 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 offer 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 Offeror 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 - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror 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-Labour's* website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

6.1 Offer

6.1.1 The Offeror offers to fulfill the requirement in accordance with the Requirement at Annex A.

6.2 Security Requirements

6.2.1 There is no security requirement applicable to the Standing Offer.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Standing Offer and resulting contract(s) 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

2005 (2016-04-04) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

6.3.2 Standing Offers Reporting

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements detailed in Annex E. If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.

(The quarterly reporting periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;
- 3rd quarter: October 1 to December 31;
- 4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than 15 calendar days after the end of the reporting period.

6.4 Term of Standing Offer

6.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is from date of Contract Award to 31 March 2020.

6.4.2 Delivery Points

Delivery of the requirement will be made to:

Department of National Defence
Defence Research and Development Canada - Atlantic (DRDC- Atlantic)
9 Grove Street
Dartmouth, Nova Scotia
B3A 3C5
Canada

6.5 Authorities

6.5.1 Standing Offer Authority

The Standing Offer Authority is:

Darren Conrad
Supply Specialist
Public Works and Government Services Canada
Atlantic Region - Acquisitions Branch
1713 Bedford Row
Halifax, Nova Scotia
B3J 3C9

Telephone: 902-496-5353
Facsimile: 902-496-5016

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Id de l'acheteur - Buyer ID
HAL218
N° CCC / CCC No./ N° VME - FMS

E-mail address: Darren.Conrad@pwgsc-tpsgc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

7.5.2 Project Authority

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

7.5.3 Offeror's Representative (TO BE COMPLETED BY BIDDER)

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

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

6.7 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is: Defence Research and Development Canada (DRDC) - Atlantic Research Centre.

6.8 Call-up Instrument

The Work will be authorized or confirmed by the Identified User using form PWGSC-TPSGC 942, Call-up Against a Standing Offer or electronic document.

6.9 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$250,000.00 (Applicable Taxes included).

6.10 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$_____ (*Applicable Taxes excluded*) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or _____ months before the expiry date of the Standing Offer,

whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

6.11 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 call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2016-04-04), General Conditions - Standing Offers - Goods or Services
- d) the supplemental general conditions 4001 (2015-04-01), Hardware Purchase, Lease, and Maintenance ;
- e) the general conditions 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- f) Annex A, Statement of Requirement;
- g) Annex B, Basis of Payment ;
- h) Annex C, Mandatory Technical Requirements; and
- i) the Offeror's offer dated _____ .

6.12 Certifications and Additional Information

6.12.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Offeror with its offer or precedent to issuance of the Standing Offer (SO), and the ongoing cooperation in providing additional information are conditions of issuance of the SO and failure to comply will constitute the Offeror in default. Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO.

6.12.2 SACC Manual Clauses

SACC Manual Clause B1501C, 2006-06-16, Electrical Equipment

SACC Manual Clause B7500C, 2006—6-16, Excess Goods

6.13 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

B. RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

6.1 Statement of Requirement

The Contractor must provide the items detailed in the call-up against the Standing Offer.

6.2 Standard Clauses and Conditions

6.2.1 General Conditions

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

6.2.2 Supplemental General Conditions

4001 (2015-04-01), Hardware Purchase, Lease, and Maintenance apply to and form part of the Contract.

Section 14 of supplemental general conditions 4001 is amended by replacing the period of 12 months by 24 months.

All other provisions of the warranty section remain in effect.

6.3 Term of Contract

6.3.1 Period of the Contract

The period of the Contract is from date of Contract to 31 March 2020 inclusive.

6.3.2 Delivery Date

Delivery must be completed in accordance with the call-up against the Standing Offer.

6.4 Payment

6.4.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit prices, as specified in Annex B for a cost of \$ _____ (*determined at time of call-up to a maximum of \$250,000.00*). Customs duties are excluded 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.

6.4.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed \$ _____ (*determined at time of call-up*). Customs duties are excluded and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by

the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- (a) when it is 75 percent committed, or
- (b) four (4) months before the contract expiry date, or
- (c) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

6.4.3 Single Payment

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b) all such documents have been verified by Canada;
- c) the Work delivered has been accepted by Canada.

6.4.4 Electronic Payment of Invoices – Call-up

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);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.5 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.
- b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

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Id de l'acheteur - Buyer ID

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N° CCC / CCC No./ N° VME - FMS

6.6 Insurance

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

6.7 SACC Manual Clauses

SACC Manual Clause B1501C, 2006-06-16, Electrical Equipment

SACC Manual Clause B7500C, 2006—6-16, Excess Goods

ANNEX A

STATEMENT OF REQUIREMENT

1. TITLE

MARITIME ACOUSTIC PROCESSING SYSTEM PROCESSOR UPDATE

2. BACKGROUND

Defence Research and Development Canada - Atlantic (DRDC(A)) Research Centre requires ruggedized computers for sea-going systems for acoustic processing research and display. The computers form a processing and display cluster and must be sized to fit into the expected spaces aboard ship. The computers are based on commercial components running applications and code in Linux (Ubuntu and Red Hat Enterprise License) and Microsoft Windows environments. The computers must meet MIL specs as the primary function is deployment for extended periods, from a few weeks to a few months, of time aboard military and research ships.

This configuration is a display processor using commercial off the shelf (COTS) hardware. This allows for ease of maintenance and the ability to exchange parts between units in the event of failures while the systems are fielded at sea

The equipment is to be installed on Canadian Patrol Frigates, Maritime Coastal Defence Vessels or other ships as required. The equipment will be installed in racks using supplied rails and the racks will be hard mounted to the deck and deck head.

3. ACRONYMS

DRDC(A)	Defence Research and Development Canada (Atlantic)
COTS	Commercial off the shelf
MIL-STD	Military Standards
OEM	Original Equipment Manufacture
OS	Operating System

4. APPLICABLE DOCUMENTS & REFERENCES

AD1 - MIL-STD 901D Grade A
AD2 - MIL-STD 167-1A
AD3 - MIL-STD 810F M-510.4
AD4 - MIL-STD 810F M-509.4
AD5 - MIL-STD 810F M-508.5

5. REQUIREMENTS

5.1 Display Processor

The Contractor must provide the requirement with the following specifications:

	Specifications	Value
1	MIL-STD 901D Grade A	Must meet MIL-STD 901D Grade A (shock tolerance)
2	MIL-STD 167-1	Must meet MIL-STD 167-1 (vibration tolerance). Frequencies tested should be up to 33Hz as per AD2- MIL-STD-167-1A (2 November 2005), under section 5.1.2.4.6.
3	MIL-STD 810F M-510.4	Must meet MIL-STD 810F M-510.4 (sand and dust). Procedures I, II and III Required. The test configuration must be 2.3.2.1 c. MIL-STD-810F (1 Jan 2000).
4	MIL-STD 810F M-509.4	Must be built in accordance with MIL-STD 810F M-509.4 (salt and fog conditions)
5	MIL-STD 810F M-508.5	Must be built in accordance with MIL-STD 810F M-508.5 (inhibit fungus growth)
6	Power	Computer must plug into 120VAC 60Hz power
7	Power Supply	Power supply must be 100-240VAC, 500W Silver rating or better and have at least two spare power connectors available for future unspecified expansion. Molex and or 6/8pin video card power.
8	Temperature Range	Computer must be able to operate in the temperature range 10-35C
9	Relative Humidity Range	Computer must be able to operate in humidity range RH 10-90% non-condensing
10	Noise Level	Noise must not exceed 55dBm, A weighted, when running at full power
11	Chassis Depth	Chassis must fit into four post 19 inch standard racks with a maximum depth of 25 inches
12	Chassis Height	When mounted in a standard 19 inch rack, the maximum height of each chassis must not exceed 3U
13	Rack Rails	Rails and fittings must be provided for mounting and securing chassis into 4 post 19 inch standard racks.
14	Operating Systems	Each computer must be capable of running Ubuntu 14.04x64 desktop or later and Red Hat Enterprise License 6.5 x64 or later (this does not imply dual boot is required – it is expected that the OS may be changed by the user at a future date)
15	Installed Operating System	Each computer is to be delivered with Ubuntu Linux 14.04x64 desktop installed with all needed drivers.
16	Additional Drivers	Software drivers for all system components must be available for Ubuntu Linux as well as Red Hat Enterprise License
17	CPU Sockets	Motherboard must have a minimum of 2 CPU sockets
18	PCI-E slots	Each motherboard must have at least 3 spare PCI-E 8X or PCIE 16X card slots or combination thereof after all add-in cards are installed.
19	Fan control	Motherboards must have four pin fan connectors that allow for fan speed control
20	Fan Type	Fans must be four wire Pulse Width Modulation devices
21	Processor Type	Each computer must contain multicore CPUs. Minimum acceptable are Intel Xeon E5v3 (or equivalent) 64bit, 8 core, 3.0 GHz, 16Mbytes cache
22	RAM Quantity	Each computer must come with 128GB RAM installed
23	DVD-RW	A DVD RW Optical Drive must be provided in each
24	Primary OS Disk	There must be a primary OS hard drive consisting of a

		Samsung EV850 or newer series of Solid State Disk (SSD) with a capacity of 500GB using a minimum SATA 3.0 data bus.
25	Secondary Disks	There must be two secondary disks consisting of Samsung EV850 or newer series of Solid State Disk (SSD) where each disk must have a minimum capacity of 1000GB using a minimum SATA 3.0 data bus.
26	Data Disk	There must be one disk consisting of a 3.5" hard disk with a minimum capacity of 3000GB with a spindle speed of 7200 RPM using a minimum SATA 3.0 data bus
27	Disk Accessibility	All disk drives must be easily removable from the front of the chassis
28	Disk Carriers	Samsung SSD drives must be held in a tool-less HDD/SSD carrier
29	Disk Security	Disk drive bays must have a lockable door (key-type) or there must be a lockable front faceplate
30	Ethernet Ports	Each computer must have a minimum of four gigabit copper Ethernet ports installed
31	Serial Ports	Each computer must have at least one serial port (RS232)
32	USB 2.0	Each computer must have at least 2 USB 2.0 ports
33	USB 3.0	Each computer must have at least 1 USB 3.0 port
34	Connectivity	Connectivity must be from the rear of the Chassis
35	Sound Card / on board audio	Must have on board AC97 compatible audio with at minimum headphone out and/or speaker out.
36	Video Card Screens	The video card must support 3 screens simultaneously. Two screens will be at a resolution of 2560x1600 pixels. The third screen will be a resolution of 1920 x 1080.
37	Video Card Connectors	The video card must have either 2 DVI-D output connections or two display port connections or a combination thereof.
38	HDMI connector	There must be at least 1 HDMI connection on the video card
39	Video Card Drivers	The video card must be supported by Ubuntu 14.04x64 and Red Hat Enterprise Linux 6.5 or later drivers.
40	Minimum Acceptable Card	The minimum card acceptable is an Nvidia GT 740. AMD/ATI Cards are not acceptable due to driver limitations in linux
41	Warranty	Parts and Labour, 2 Years from date of actual purchase at vendor's location. DRDC will pay shipping to vendor, vendor will pay shipping to DRDC

N° de l'invitation - Solicitation No.
W7707-175909/B
N° de réf. du client - Client Ref. No.
W7707-175909

N° de la modif - Amd. No.
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HAL-6-77240

Id de l'acheteur - Buyer ID
HAL218
N° CCC / CCC No./ N° VME - FMS

ANNEX B

BASIS OF PAYMENT

Period: From Contract Award to 31 March 2018

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE
1	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	1-5	\$ _____
2	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	6-10	\$ _____
3	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	11+	\$ _____
4	Replacement Video Card	Each	\$ _____
5	Replacement Power Supply	Each	\$ _____

A= Average Unit Price: = (1+2+3)/3= \$ _____

Period: From 01 April 2018 - 31 March 2019

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE
1	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	1-5	\$ _____
2	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	6-10	\$ _____
3	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	11 +	\$ _____
4	Replacement Video Card	Each	\$ _____
5	Replacement Power Supply	Each	\$ _____

B= Average Unit Price: = (1+2+3)/3= \$ _____

Period: From 01 April 2019 - 31 March 2020

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE
1	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	1-5	\$ _____
2	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	6-10	\$ _____
3	Military Standard,Rugged Computers as described in Section 5.1 of Annex A	11 +	\$ _____
4	Replacement Video Card	Each	\$ _____
5	Replacement Power Supply	Each	\$ _____

C= Average Unit Price: = (1+2+3)/3= \$ _____

Bid= (A+B+C)/3= \$ _____

ANNEX C

MANDATORY EVALUATION CRITERIA

1. MANDATORY EVALUATION CRITERIA

In their proposals, bidders must demonstrate they meet the following mandatory criteria. Failure to meet any of the mandatory criteria will render the bid non-compliant and it will be given no further consideration.

	CRITERIA	MET	NOT MET	RERERENCE
M1	Must provide test results showing that the computers meet MIL-STD 901D Grade A (shock tolerance)			
M2	Must provide test results showing that the computer meet MIL-STD 167-1 (vibration tolerance). Frequencies tested should be up to 33Hz as per AD2- MIL-STD-167-1A (2 November 2005), under section 5.1.2.4.6			
M3	Must provide evidence computer are built to meet MIL-STD 810F M-510.4 (sand and dust). Procedures I, II and III Required. The test configuration must be 2.3.2.1 c. MIL-STD-810F (1 Jan 2000).			
M4	Must provide evidence computer are built to meet MIL-STD 810F M-509.4 (salt and fog conditions)			
M5	Must provide evidence computer are built to meet MIL-STD 810F M-508.5 (inhibit fungus growth)			
M6	Noise must not exceed 55dBm, A weighted, when running at full power			
M7	Chassis must fit into four post 19 inch standard racks with a maximum depth of 25 inches			
M8	When mounted in a standard 19 inch rack, the maximum height of each chassis must not exceed 3U			
M9	Software drivers for all system components must be available for Ubuntu Linux as well as Red Hat Enterprise License			
M10	Motherboard must have a minimum of 2 CPU sockets			
M11	Each motherboard must have at least 3 spare PCI-E 8X or PCIE 16X card slots or combination thereof after all add-in cards are installed.			
M12	Motherboards must have four pin fan connectors that allow for fan speed control			
M13	Each must contain multicore CPUs. Minimum acceptable are Intel Xeon E5v3 (or equivalent) 64bit, 8 core, 3.0 GHz, 16Mbytes cache			
M14	There must be a primary OS hard drive consisting of a Samsung EV850 or newer series of Solid State Disk (SSD) with a capacity of 500GB using a minimum SATA 3.0 data			

	bus.			
M15	There must be two secondary disks consisting of Samsung EV850 or newer series of Solid State Disk (SSD) each with a minimum capacity of 1000GB using a minimum SATA 3.0 data bus.			
M16	All disk drives must be easily removable from the front of the chassis			
M17	Connectivity must be from the rear of the Chassis			
M18	The video card must be supported by Ubuntu 14.04x64 and Red Hat Enterprise Linux 6.5 or later drivers.			
M19	The minimum card acceptable is an Nvidia GT 740. AMD/ATI Cards are not acceptable due to driver limitations in linux			
M20	Parts and Labour, 2 Years from date of actual purchase at vendor's location. DRDC will pay shipping to vendor, vendor will pay shipping to DRDC			

N° de l'invitation - Solicitation No.

W7707-175909/B

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

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File No. - N° du dossier

HAL-6-77240

Id de l'acheteur - Buyer ID

HAL218

N° CCC / CCC No./ N° VME - FMS

ANNEX D to PART 3 OF THE REQUEST FOR STANDING OFFERS

ELECTRONIC PAYMENT INSTRUMENTS

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

- ☐ () VISA Acquisition Card;
- ☐ () MasterCard Acquisition Card;
- ☐ () Direct Deposit (Domestic and International);
- ☐ () Electronic Data Interchange (EDI);
- ☐ () Wire Transfer (International Only);
- ☐ () Large Value Transfer System (LVTS) (Over \$25M)

N° de l'invitation - Solicitation No.
W7707-175909/B
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W7707-175909

N° de la modif - Amd. No.
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HAL-6-77240

Id de l'acheteur - Buyer ID
HAL218
N° CCC / CCC No./ N° VME - FMS

ANNEX E

REPORTING REQUIREMENTS

Periodic Usage Report Form

As a requirement of this Request for Standing Offer, a report shall be submitted as follows:
(***The final report is to provide a list showing items requisitioned that represent approximately the total value of call-ups.***).

The Offeror understands that it is their responsibility to implement a system for tracking call-ups against this Standing Offer in order to provide usage reports and ensure that the financial limitation is not exceeded. Failure to comply may result in the setting aside of the Standing Offer.

Return by mail to:

Public Works and Government Services Canada
Atlantic Region, Acquisitions - Halifax
1713 Bedford Row
Halifax, NS
B3J 3C9
ATTN: Darren Conrad

OR

By email to:

Darren.conrad@pwgsc-tpsgc.gc.ca

Standing Offer Description:		Standing Offer Number:		Start Date of SO (DD/MM/YYYY)		End Date of SO (DD/MM/YYYY)	
Total Value to Date: \$		Total Value for Reporting Period: \$		Start Reporting Period (DD/MM/YYYY)		End Reporting Period (DD/MM/YYYY)	
Department Requesting	Order Number on Call-up	Item Description	Item Quantity	Unit of measure (each, litre, etc.)	Date of Order of Call-up	Date of Delivery Start / Completion	Value of Order (not including applicable taxes)

N° de l'invitation - Solicitation No.
W7707-175909/B
N° de réf. du client - Client Ref. No.
W7707-175909

N° de la modif - Amd. No.
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HAL-6-77240

Id de l'acheteur - Buyer ID
HAL218
N° CCC / CCC No./ N° VME - FMS

ANNEX F

INFORMATION FOR CODE OF CONDUCT CERTIFICATION

[SHOULD BE COMPLETED BY BIDDER WITH BID SUBMISSION]

Please provide list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Sole Proprietorship or an individual doing business under a firm name - the name of the sole proprietor or individual;

3. For a Joint Venture - the names of all current members of the Joint venture;

4. For an individual - the full name of the person;
