



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

PWGSC/TPSGC Acquisitions Bid Receiving
Box/Boîte de Réception des Soumissions
Bid Receiving Box/Boîte de Récepti
1st Floor/1ère étage, Suite 1212
100-1045 Main Street
Moncton
New Brunswick
E1C 1H1
Bid Fax: (506) 851-6759

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Title - Sujet Echo-sounder Systems Echo-sounder System	
Solicitation No. - N° de l'invitation F4750-210862/A	Date 2021-10-18
Client Reference No. - N° de référence du client F4750-210862	
GETS Reference No. - N° de référence de SEAG PW-\$MCT-045-6060	
File No. - N° de dossier MCT-1-44060 (045)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2021-11-04 Heure Avancée de l'Atlantique HAA	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: MacFarlane (MCT), Andrew	Buyer Id - Id de l'acheteur mct045
Telephone No. - N° de téléphone (782) 377-4248 ()	FAX No. - N° de FAX (902) 566-7514
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF FISHERIES AND OCEANS 343 UNIVERSITE AVE P.O.BOX 5030 MONCTON New Brunswick E1C9B6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Acquisitions NB/PEI (Moncton Office) – Bureau
d'acquisitions N.-B./Î.-P.-É. (Moncton)
1045 Main Street / 1045, rue Main
Moncton
New Bruns
E1C 1H1

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There are no security requirements.

1.2 Statement of Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

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 Canadian Content

The requirement is subject to a preference for Canadian goods.

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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) (<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](#) (2020/05/28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
B1000T	Condition of Material - Bid	2014/06/26
B3000T	Equivalent Products	2006-06-16
C9000T	Pricing	2010/08/16

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 in the bid solicitation.

PWGSC Acquisitions, Bid Receiving Box
1st Floor, Suite 1212
100-1045 Main Street
Moncton, NB E1C 1H1

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in New Brunswick/Prince Edward Island (NB/PEI) the email address is:

Email: TPSGC.RAReceptionSoumisNBPE-ARBidReceivingNBPE.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Facsimile number: (506) 851-6759

2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 5 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

(Derived from - Provenant de: A9076T, 2007/05/25)

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 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.

***Bidders are strongly encouraged to request clarifications on acceptable equivalencies no later than five (5) calendar days before bid closing.**

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 **New Brunswick**.

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

2.5 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
 - Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copies)
Section II: Financial Bid (1 hard copies)
Section III: Certifications (1 hard copies)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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

Canada requests that bidders follow the format instructions described below in the preparation of hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573). 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 in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

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

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.
- (c) The evaluation team will determine if there are two (2) or more bids with a valid Canadian content certification with the bids coming from two or more Bidders that are not affiliated within the meaning used in the *Competition Act*, R.S.C., 1985, c. C-34. In that event, only those bids with a valid certification will be eligible to be awarded a contract; otherwise, all bids will be eligible. If at any point in the evaluation process it is found, whether by determination of invalidity of certifications, determination that bids are non-responsive or withdrawal of bids by Bidders, that there are no longer two (2) or more responsive bids with a valid certification, then all responsive bids will be eligible to be awarded a contract. Canada may conduct the validation of Canadian content certifications at any time in the evaluation process including doing so concurrently with other steps.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Mandatory Technical Criteria as specified in Annex "C "

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014/06/26), Evaluation of Price - Bid

4.2 Basis of Selection

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

(Derived from - Provenant de: A0069T, 2007/05/25)

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.1.2 Additional Certifications Required with the Bid

5.1.2.1 Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause A3050T, may be considered.

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

The Bidder certifies that:

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

5.1.2.1.1 SACC Manual clause [A3050T](#) (2020/07/01) Canadian Content Definition

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-) (<http://www.tpsgc-pwgsc.gc.ca/ci->

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if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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 There is no security requirement applicable to the Contract.

6.2 Statement of Requirement

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A " and the Contractor's technical bid entitled Annex C, dated _____.

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)* (<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 (2020/05/28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

4003 (2010-08-16), Licensed Software, apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2022.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Andrew MacFarlane
Title: Supply Officer
Public Services and Procurement Canada
Acquisitions Branch
Address: Sherwood Business Centre
161 St. Peters Road
2nd Floor, Suite 204
Charlottetown, PE

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Telephone: (782) 377-4248
Facsimile: (902) 566-7514
E-mail address: andrew.macfarlane@pwgsc-tpsgc.gc.ca

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

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Details will be provided in any resulting contract

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

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

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

6.5.3 Contractor's Representative (Offeror please complete)

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

6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be

reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2019-01](#) of the Treasury Board Secretariat of Canada.

6.7 Payment

6.7.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex B for a cost of \$ _____ (insert the amount at contract award). 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.

6.7.2 Payment

SACC Manual clause [H1000C](#) (2008/05/12), Single Payment

6.7.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):
(As indicated in Annex "D")

- 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)

6.8 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.

6.9 Certifications and Additional Information

6.9.1 Compliance

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

6.9.2 SACC Manual Clauses

SACC Reference	Section	Date
A3060C	Canadian Content Certification	2008/05/12

6.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**

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 Articles of Agreement;
- (b) the general conditions [2010A](#) (2020/05/28), General Conditions - Goods (Medium Complexity);
- (c) the supplemental conditions [4003](#) (2010-08-16), Licensed Software;
- (d) Annex A, Statement of Requirement;
- (e) Annex B, Basis of Payment; and
- (f) the Contractor's bid dated _____ (*insert date of bid*).

6.12 SACC Manual Clauses

SACC Reference	Section	Date
A9068C	Government Site Regulations	2010/01/11
B1501C	Electrical Equipment	2018/06/21
B7500C	Excess Goods	2006/06/16
G1005C	Insurance – No Specific Requirement	2016/01/28

6.13 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

6.14 Shipping Instructions - FOB Destination and DDP

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

FOB Destination as per Annex A including all delivery charges and customs duties and Applicable Taxes.

ANNEX "A" STATEMENT OF REQUIREMENT

The Marine Fish Section in the Science Branch within the Department of Fisheries and Oceans in the Gulf Region, wishes to purchase the following items for use to conduct random stratified acoustic surveys of herring on spring and fall spawning grounds.

The purpose of this document is to provide the general and specific requirements for this purchase.

The Statement of Requirement is for three (3) separate items. Each item will be described separately as follows:

1. SIMRAD ES80 Wide Band Transceiver Wide Band Transceiver (WBT), or equivalent;
2. Fanless Data processor; and
3. SIMRAD ES120-7C 120 kHz split beam transducers, or equivalent.

SACC B3000T (2006-06-16). When offering equivalent products, the bidder must fully demonstrate how the form, fit and function of suggested products are fully interchangeable with the item specified.

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a. designates the brand name, model and/or part number of the substitute product;
 - b. states that the substitute product is fully interchangeable with the item specified;
 - c. provides complete specifications and descriptive literature for each substitute product;
 - d. provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - e. clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a. the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b. the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.

1. SIMRAD ES80 Wide Band Transceiver (WBT), or equivalent

1.1 Description of Goods and Services

1.1.1 Background

The Marine Fish Section in the Science Branch within the Department of Fisheries and Oceans in the Gulf Region conducts the scientific assessment of herring in the southern Gulf of St. Lawrence. An important component of this assessment has always been hydro-acoustic surveys. The information from these types of surveys are incorporated into the population model for herring and are therefore very important to the assessment of this species.

We currently use SIMRAD ES80 WBT transceivers and ES120-7C 120 kHz split beam transducers (7° x 7°) for our fall herring surveys; the new WBT units must be directly compatible with these existing units. The plug-in point on the new WBT units must allow connection of our existing transducers which use the following transducer plug: Amphenol 12 pin transducer plug (Kongsberg Maritime part no. 099-133981). To ensure data comparability and that equipment will fit with existing mounting equipment, we require to

continue to use SIMRAD ES80 (or equivalent) WBTs. We must have the ability to change out equipment from one vessel to another in the event of equipment malfunction or vessel change.

The units will be placed on commercial vessels so ease of use and limited ability to alter settings is important so that the fish harvesters cannot and do not have to alter the computer program.

The data collection format must be compatible with Echoview® as Echoview® is the software used to analyze the acoustic data collected. The data collected by the acoustic sounder must be in a format that can be easily analyzed by this software (e.g. .raw).

1.1.2 General Information

The required system consists of one component:

- a. Wide Band Transducer (WBT) for a Split Beam 120kHz transducer.

1.2 Mandatory System Requirements

1.2.1 Minimum Essential Requirements

Any interested supplier must demonstrate by way of Annex "C" that its products meet the following specifications:

- a. The WBT and provided software must be able to operate with a 120kHz split beam transducer;
- b. The data collected from the echo-sounder system must be able to directly integrate with the third party software Echoview®;
- c. The WBT must come with a software license for use;
- d. The unit and software must operate with intuitive user interface;
- e. The unit must have the ability for the following transducer plug to plug in directly to the unit: Amphenol 12 pin transducer plug (Kongsberg Maritime part no. 099-133981);
- f. The following settings must be able to be user specified: power, pulse duration, ping interval;
- g. Inputs of temperature and salinity must be able to be specified;
- h. Unit must be have an Ethernet connection to connect to processor unit;
- i. Power supply to connect to AC outlet must be included; external power supply: offering 12V to 15V DC, minimum 5A;
- j. Unit must allow GPS input;
- k. Unit must allow recording of acoustic data for later processing; and
- l. Unit must be able to use "chirp" (frequency sweep).

1.3 Training Requirements

The supplier will provide operating and maintenance manuals.

2. FANLESS DATA PROCESSOR

2.1 Description of Goods and Services

2.1.1 Background

The Marine Fish Section in the Science Branch within the Department of Fisheries and Oceans in the Gulf Region conducts the scientific assessment of herring in the southern Gulf of St. Lawrence. An important component of this assessment has always been hydro-acoustic surveys. The information from these types of surveys are incorporated into the population model for herring and are therefore very important to the assessment of this species.

Fanless, marine data processor units are essential as the units are to be used on fishing vessels while at sea. The equipment is to be connected to a monitor, keyboard, mouse, and a Wide Band Transceiver, and therefore needs the following ports: USB 3.0, Ethernet, HDMI, and Display port or VGA to attach computer monitor.

The data processor unit must be able to record acoustic data directly from a WBT to which is it connected.

2.1.2 General Information

The required system consists of 1 components:

- a. Fanless processing unit.

2.2 Mandatory System Requirements

2.2.1 Minimum Essential Requirements:

Any interested supplier must demonstrate by way of Annex "C" that its products meet the following specifications:

- a. The processing unit must be fanless, and designed for marine environments;
- b. The unit must have minimum i5 CPU, 240 GB SSD, and 4GB RAM;
- c. The unit must have a minimum of the following: 2 x RJ45 Lan (Ethernet cable ports), 4 x USB 3.0 ports, HDMI port, PS/2, and VGA port or display port to attach computer monitor;
- d. The graphic adapter minimum resolution of:
 - i. 1280 x 1024 pixels;
 - ii. must support DirectX9.0c, and must be compatible with Direct3d and OpenGL; and
 - iii. minimum bandwidth: 1 Gb/s;
- e. 9V-30V DC power input, wired with an external AC adaptor for direct connection to AC power;
- f. The unit must run and include a licensed copy of Windows 10;
- g. The unit must be able to support the SIMRAD ES80 software currently required for existing equipment;
- h. Unit must have standard bulkhead mounting brackets attached for easy attachment of unit; and
- i. Unit must come with disk image in the event unit recovery is necessary.

2.3 Training Requirements

The supplier will provide operating and maintenance manuals.

3. SIMRAD ES120-7C 120 kHz split beam transducers, or equivalent

3.1 Description of Goods and Services

3.1.1 Background

The Marine Fish Section in the Science Branch within the Department of Fisheries and Oceans in the Gulf Region conducts the scientific assessment of herring in the southern Gulf of St. Lawrence. An important component of this assessment has always been hydro-acoustic surveys. The information from these types of surveys are incorporated into the population model for herring and are therefore very important to the assessment of this species.

We are currently using SIMRAD ES80 WBT transceivers and SIMRAD ES120-7C 120 kHz split beam transducers (7° x 7°) for our fall herring surveys. The transducer units can be side or hull mounted if needed. To ensure data comparability and that equipment will fit with existing mounting equipment, we require to continue using SIMRAD ES120-7C 120kHz transducers (or equivalent). We must have the ability to change out equipment from one vessel to another in the event of equipment malfunction or vessel change.

The 120 kHz split beam transducer is necessary as herring surveys are best conducted using 120 kHz. Our current technology uses ES120-7C 120 kHz split beam transducers and our annual scientific acoustic survey also uses a 120 kHz split beam transducer. We must continue using SIMRAD ES120-7C 120kHz split beam transducers (or equivalent) to maintain consistency both with historical studies and between spawning ground surveys and annual scientific acoustic survey data, and will not accept a change to another frequency for the transducer.

The options that the transducer can be hull mounted or mounted on the side of the vessel is requested as the echo-sounder system will be used on commercial gill net fishing vessels and it may be necessary to hull mount to not impede with the fishing activities of the vessels or side mounted due to the cost of the transducers.

3.1.2 General Information

The required system consists of 1 components:

- a. 120kHz Split Beam Transducer.

3.2 Mandatory System Requirements

3.2.1 Minimum Essential Requirements

Any interested supplier must demonstrate by way of Annex "C" that its products meet the following specifications:

- a. The split beam echo-sounder system must operate at 120 kHz;
- b. The split beam echo-sounder system must provide beam width of 7° x 7°;
- c. The transducer must be able to be both side mounted and hull mounted;
- d. The transducer must be able to connect to existing WBT units using the following plug: Amphenol 12 pin transducer plug (Kongsberg Maritime part no. 099-133981);
- e. Included transducer cable length is 20 m; diameter of cable is 11 mm or less;
- f. Transducer must have bolt holes on the top of the transducer (not pinging face) to connect to mounting equipment; centre of bolt holes must be 65 mm from centre of transducer, and there must be three holes, equally spaced;
- g. Ability to have power inputs for a range of power up to 1000W; and
- h. Diameter of transducer body must be 180 mm.

3.3 Training Requirements

The supplier will provide operating and maintenance manuals.

All deliverable must be delivered on or before March 31, 2022 to:

DFO Gulf Fisheries Centre
343 Université Ave
PO Box 5030
Moncton, NB E1C 9B6

Solicitation No. - N° de l'invitation
F4750-210862
Client Ref. No. - N° de réf. du client
F4750-210862

Amd. No. - N° de la modif.
File No. - N° du dossier
MCT-1-44060

Buyer ID - Id de l'acheteur
MCT045
CCC No./N° CCC - FMS No./N° VME

ANNEX "B" BASIS OF PAYMENT

It is **MANDATORY** that Bidders submit firm prices/rates for the period of the proposed Contract for all items listed hereafter. **This section, when completed, will be considered as the Bidder's financial proposal.**

Bidders must provide bids as per unit of issued requested. It is the responsibility of the bidder to provide conversion to the unit of issue requested. Failure to do so will render the bid non-responsive without further consideration.

Should there be an error in the extended pricing it shall be corrected in the evaluation. Any errors in the quantities of the Bidder's proposal will be changed to reflect the quantities stated in the RFP.

Prices quoted must remain firm for the period of the Contract. Prices **MUST** include ALL costs, including customs if applicable, associated with providing the work in accordance with the Requirement, Annex A attached herein. HST, if applicable, is to be shown as a separate item on any resulting invoice. Payment will be made in accordance with the following pricing. Pricing must be in Canadian funds.

CANADA WILL ACCEPT EQUIVALENT PRODUCTS FOR ALL LINE ITEMS IN ACCORDANCE WITH ANNEX "A" - REQUIREMENT

Item Description	Qty.	Firm Unit Price	Extended Price
Supply of SIMRAD ES80 WBT transceiver, or equivalent, for 120 kHz split-beam transducer, as per Annex A- Statement of Requirement	1	\$	\$
Supply of fanless Data Processor as per Annex A- Statement of Requirement	1	\$	\$
Supply of SIMRAD ES120-7C 120 kHz split beam transducer, or equivalent, as per Annex A- Statement of Requirement	1	\$	\$
Freight	1	\$	\$
Extended Total			\$
Taxes (15%)			\$
Total			\$

Make/Model(s) Offered _____

Annex "C" Technical Evaluation Criteria

Note: Bidders are required to provide specified SIMRAD models or equivalent products where stated as per SACC B3000T (2006-06-16). When offering equivalent products, the bidder must fully demonstrate how the form, fit and function of suggested products are fully interchangeable with the item specified.

ALL THE REQUIRED MANDATORY ITEMS LISTED BELOW ARE TO BE PROVIDED IN ACCORDANCE WITH ANNEX A.

WHEN EQUIVELANT PRODUCTS ARE PROPOSED, THE BIDDER MUST INDICATE PAGE REFERENCE NUMBER FOR SPECIFICATIONS PROVIDED SUPPORTING THE EQUIVELANCY OF THE PROPOSED PRODUCT

	Technical Specifications:	SIMRAD ES80 Offered YES/NO	Equivalent Brand Proposed** Reference/Page #
	SIMRAD ES80 Wide Band Transceiver Wide Band Transceiver (WBT), or equivalent		
M1	The WBT and provided software must be able to operate with a 120kHz split beam transducer.		
M2	The data collected from the echo-sounder system must be able to directly integrate with the third party software Echoview®.		
M3	The WBT must come with a software license for use.		
M4	The unit and software must operate with intuitive user interface.		
M5	The unit must have the ability for the following transducer plug to plug in directly to the unit: Amphenol 12 pin transducer plug (Kongsberg Maritime part no. 099-133981)		
M6	The following settings must be able to be user specified: power, pulse duration, ping interval.		
M7	Inputs of temperature and salinity must be able to be specified.		
M8	Unit must be have an Ethernet connection to connect to processor unit.		
M9	Power supply to connect to AC outlet must be included; external power supply: offering 12 to 15 Vdc, minimum 5 A.		
M10	Unit must allow GPS input.		
M11	Unit must allow recording of acoustic data for later processing.		
M12	Unit must be able to use "chirp" (frequency sweep)		

	Technical Specifications: SIMRAD ES120-7C 120 kHz split beam transducers, or equivalent	SIMRAD ES120-7C Offered YES/NO	Equivalent Brand Proposed** Reference/Page #
M1	The split beam echo-sounder system must operate at 120 kHz.		
M2	The split beam echo-sounder system must provide beam width of 7° x 7°.		
M3	The transducer must be able to be both side mounted and hull mounted		
M4	The transducer must be able to connect to existing WBT units using the following plug: Amphenol 12 pin transducer plug (Kongsberg Maritime part no. 099-133981)		
M5	Included transducer cable length is 20 m; diameter of cable is 11 mm or less.		
M6	Transducer must have bolt holes on the top of the transducer (not pinging face) to connect to mounting equipment; centre of bolt holes must be 65 mm from centre of transducer, and there must be three holes, equally spaced.		
M7	Ability to have power inputs for a range of power up to 1000W		
M8	Diameter of transducer body must be 180 mm		

	Technical Specification: Fanless Data processor	Met/Not Met	Reference/Page #
M1	The processing unit must be fanless, and designed for marine environments.		
M2	The unit must have minimum i5 CPU, 240 GB SSD, and 4GB RAM.		
M3	The unit must have a minimum of the following: 2 x RJ45 Lan (Ethernet cable ports), 4 x USB 3.0 ports, HDMI port, PS/2, and VGA port or display port to attach computer monitor		
M4	The graphic adapter minimum resolution of: 1280 x 1024 pixels; must support DirectX9.0c, and must be compatible with Direct3d and OpenGL; minimum bandwidth: 1 Gb/s.		
M5	9-30v DC power input, wired with an external AC adaptor for direct connection to AC power.		
M6	The unit must run and include a licensed copy of Windows 10.		
M7	The unit must be able to support the SIMRAD ES80 software currently required for existing equipment.		
M8	Unit must be easy to operate.		
M9	Unit must have standard bulkhead mounting brackets attached for easy attachment of unit.		
M10	Unit must come with disk image in the event unit recovery is necessary.		

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MCT-1-44060

Buyer ID - Id de l'acheteur
MCT045
CCC No./N° CCC - FMS No./N° VME

ANNEX "D" 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);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

