



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

Bid Receiving/Réception des soumissions

Procurement Hub | Centre  
d'approvisionnement  
Fisheries and Oceans Canada | Pêches et  
Océans Canada  
301 Bishop Drive | 301 promenade Bishop  
Fredericton, NB, E3C 2M6

**Email / Courriel :** [DFOtenders-  
soumissionsMPO@dfo-mpo.gc.ca](mailto:DFOtenders-soumissionsMPO@dfo-mpo.gc.ca)

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

Proposal to: Fisheries and Oceans 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  
therefor.

Proposition à : Pêches et Océans 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 appendices ci-jointes, les biens  
et les services énumérés ici sur toute  
feuille ci-annexée, au(x) prix indiqué(s).

<b>Title / Titre</b> Cataloguing of Fish Sounds in British- Columbia		<b>Date</b> January 28, 2022
<b>Solicitation No. / N° de l'invitation</b> 30001303		
<b>Client Reference No. / No. de référence du client(e)</b> 30001303		
<b>Solicitation Closes / L'invitation prend fin</b> <b>At / à :</b> 2 :00PM AST (Atlantic Standard Time) / HNA (Heure Normale de l'Atlantique) <b>On / le :</b> March 09, 2022		
<b>F.O.B. / F.A.B.</b> Destination	<b>Taxes</b> See herein — Voir ci-inclus	<b>Duty / Droits</b> See herein — Voir ci-inclus
<b>Destination of Goods and Services / Destinations des biens et services</b> See herein — Voir ci-inclus		
<b>Instructions</b> See herein — Voir ci-inclus		
<b>Address Inquiries to : / Adresser toute demande de renseignements à :</b> Lauren Vandendorre, Contracting Officer <b>Email / Courriel:</b> <a href="mailto:DFOtenders-soumissionsMPO@dfo-mpo.gc.ca">DFOtenders-soumissionsMPO@dfo-mpo.gc.ca</a>		
<b>Delivery Required / Livraison exigée</b> See herein — Voir en ceci	<b>Delivery Offered / Livraison proposée</b>	
<b>Vendor Name, Address and Representative / Nom du vendeur, adresse et représentant du fournisseur/de l'entrepreneur</b>		
<b>Telephone No. / No. de téléphone</b>	<b>Facsimile No. / No. de télécopieur</b>	
<b>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 (taper ou écrire en caractères d'imprimerie)</b>		
<b>Signature</b>	<b>Date</b>	



**Table of Contents**

**PART 1 - GENERAL INFORMATION ..... 3**

1.1 SECURITY REQUIREMENTS ..... 3

1.2 STATEMENT OF WORK..... 3

1.3 DEBRIEFINGS..... 3

1.4 TRADE AGREEMENTS ..... 3

**PART 2 - BIDDER INSTRUCTIONS ..... 4**

2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS ..... 4

2.2 SUBMISSION OF BIDS ..... 4

2.3 ENQUIRIES - BID SOLICITATION ..... 4

2.4 APPLICABLE LAWS ..... 4

2.5 BID CHALLENGE AND RECOURSE MECHANISMS ..... 5

**PART 3 - BID PREPARATION INSTRUCTIONS..... 6**

3.1 BID PREPARATION INSTRUCTIONS ..... 6

**PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION ..... 7**

4.1 EVALUATION PROCEDURES ..... 7

4.2 BASIS OF SELECTION ..... 7

**PART 5 - CERTIFICATIONS..... 9**

5.1 CERTIFICATIONS REQUIRED WITH THE BID SUBMISSION ..... 9

5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION ..... 13

**PART 6 - RESULTING CONTRACT CLAUSES ..... 15**

6.1 SECURITY REQUIREMENTS ..... 15

6.2 STATEMENT OF WORK..... 15

6.3 STANDARD CLAUSES AND CONDITIONS ..... 15

6.4 TERM OF CONTRACT ..... 16

6.5 AUTHORITIES ..... 16

6.6 PROACTIVE DISCLOSURE OF CONTRACTS WITH FORMER PUBLIC SERVANTS..... 17

6.7 PAYMENT ..... 17

6.8 INVOICING INSTRUCTIONS ..... 18

6.9 CERTIFICATIONS AND ADDITIONAL INFORMATION ..... 18

6.10 APPLICABLE LAWS ..... 19

6.11 PRIORITY OF DOCUMENTS ..... 19

6.12 INSURANCE - NO SPECIFIC REQUIREMENT - G1005C (2016-01-28)..... 19

6.13 DISPUTE RESOLUTION..... 19

**ANNEX "A" STATEMENT OF WORK..... 20**

**ANNEX "B" BASIS OF PAYMENT ..... 25**

**ANNEX "C" EVALUATION CRITERIA ..... 27**



## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement associated with this bid solicitation.

### **1.2 Statement of Work**

The Work to be performed is detailed under Annex A 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 or by telephone.

### **1.4 Trade Agreements**

The requirement is subject to the, Atlantic Procurement Agreement, Canada-Chile Free Trade Agreement (CCFTA), Canada-Colombia Free Trade Agreement, Canada-Panama Free Trade Agreement, Canada-Korea Free Trade Agreement (CKFTA), Canada-Honduras Free Trade Agreement, and the Canadian Free Trade Agreement (CFTA).



---

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

**As this solicitation is issued by Fisheries and Oceans Canada (DFO), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to DFO or its Minister.**

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

### 2.2 Submission of Bids

Bids must be submitted by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to DFO will not be accepted.

### 2.3 Enquiries - Bid Solicitation

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

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the 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 **British Columbia**.

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

Canada requests that the Bidder submit **all** its **email** bid in separately saved sections as follows and **prior to the bid closing date, time and location**:

**Section I: Technical Bid** (one soft copy in PDF format)

**Section II: Financial Bid** (one soft copy in PDF format)

**Section III: Certifications** (one soft copy in PDF format)

**Important Note:**

The maximum size per email (including attachments) is limited to 10MB. If the limit is exceeded, your email might not be received by DFO. It is suggested that you compress the email size to ensure delivery. Bidders are responsible to send their proposal and to allow enough time for DFO to receive the proposal by the closing period indicated in the RFP. Emails with links to bid documents will not be accepted.

For bids transmitted by email, DFO will not be responsible for any failure attributable to the transmission or receipt of the email bid. DFO will send a confirmation email to the Bidders when the submission is received.

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

**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 in Annex "B".

**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

Refer to Annex "C".

##### 4.1.1.2 Point Rated Technical Criteria

Refer to Annex "C".

#### 4.1.2 Financial Evaluation

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

### 4.2 Basis of Selection

#### 4.2.1 Highest Combined Rating of Technical Merit and Price - A0027T (2012-07-16)

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation; and
  - b. meet all mandatory criteria; and
  - c. obtain the required minimum of **20 points** overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of **40 points**.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained divided by the maximum number of points available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.



7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equal 135 and the lowest evaluated price is \$45,000 (45).

<b>Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)</b>			
	<b>Bidder 1</b>	<b>Bidder 2</b>	<b>Bidder 3</b>
<b>Overall Technical Score</b>	115/135	89/135	92/135
<b>Bid Evaluated Price</b>	\$55,000.00	\$50,000.00	\$45,000.00
<b>Calculations</b>	<b>Technical Merit Score</b>	$115/135 \times 70 = 59.63$	$89/135 \times 70 = 46.15$
	<b>Pricing Score</b>	$45/55 \times 30 = 24.55$	$45/50 \times 30 = 27.00$
<b>Combined Rating</b>	84.18	73.15	77.70
<b>Overall Rating</b>	<b>1st</b>	<b>3rd</b>	<b>2nd</b>



---

## PART 5 - CERTIFICATIONS

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 Submission

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 List of Names for Integrity Verification Form

Bidders must complete the List of Names for Integrity Verification form found in Attachment 1 to Part 5.

#### 5.1.3 Certifications – Bid

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

#### 5.1.4 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.



If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

**5.1.5 Education and Experience**

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

**5.1.6 Contractor's Representative**

The Contractor's Representative for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**5.1.7 Supplementary Contractor Information**

Pursuant to paragraph 221 (1)(d) of the Income Tax Act, payments made by departments and agencies under applicable services contracts (including contracts involving a mix of goods and services) must be reported on a T4-A supplementary slip.

To enable the Department of Fisheries and Oceans to comply with this requirement, the Contractor hereby agrees to provide the following information which it certifies to be correct, complete, and fully discloses the identification of this Contractor:

- a) The legal name of the entity or individual, as applicable (the name associated with the Social Insurance Number (SIN) or Business Number (BN), as well as the address and the postal code:

\_\_\_\_\_

- b) The status of the contractor (individual, unincorporated business, corporation or partnership:

\_\_\_\_\_

- c) For individuals and unincorporated businesses, the contractor's SIN and, if applicable, the BN, or if applicable, the Goods and Services Tax (GST)/Harmonized Sales Tax (HST) number:

\_\_\_\_\_



- d) For corporations, the BN, or if this is not available, the GST/HST number. If there is no BN or GST/HST number, the T2 Corporation Tax number must be shown:

### 5.1.8 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

#### Definitions

For the purposes of this clause, "*former public servant*" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or majority interest in the entity.

"*lump sum payment period*" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"*pension*" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

#### Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension?

Yes ( )      No ( )

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;



- 
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

**Work Force Adjustment Directive**

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?

**Yes ( )      No ( )**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature



---

**The following certification signed by the contractor or an authorized officer:**

"I certify that I have examined the information provided above and that it is correct and complete"

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name of Signatory

**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 procurement agreement of 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 Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.



---

## ATTACHMENT 1 TO PART 5 LIST OF NAMES FOR INTEGRITY VERIFICATION FORM

### Requirements

Section 17 of the [\*Ineligibility and Suspension Policy\*](#) (the Policy) requires suppliers, regardless of their status under the Policy, to submit a list of names with their bid or offer. The required list differs depending on the bidder or offeror's organizational structure:

- Suppliers including those bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all current directors.
- Privately owned corporations must provide a list of the owners' names.
- Suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all owners.
- Suppliers that are a partnership do not need to provide a list of names.

Suppliers may use this form to provide the required list of names with their bid or offer submission. Failure to submit this information with a bid or offer, where required, will render a bid or offer non-responsive, or the supplier otherwise disqualified for award of a contract or real property agreement. Please refer to [Information Bulletin: Required information to submit a bid or offer](#) for additional details.

List of names for [integrity verification form](#)



---

## 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

There is no security requirement applicable to the Contract.

### 6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

### 6.3 Standard Clauses and Conditions

**As this contract is issued by Fisheries and Oceans Canada (DFO), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to DFO or its Minister.**

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

**6.3.1.1** [2010B](#) (2021-12-02), General Conditions - Professional Services (Medium Complexity) apply to and form part of the Contract.

**6.3.2.1** Subsection 10 of [2010B](#) (2021-12-02), General Conditions - Professional Services (Medium Complexity) – Invoice submission, is amended as follows:

Delete: 2010B 10 (2021-12-02), Invoice submission

Insert: **Invoice submission**

1. Invoices must be submitted in the Contractor's name to [DFO.invoicing-facturation.MPO@DFO-MPO.gc.ca](mailto:DFO.invoicing-facturation.MPO@DFO-MPO.gc.ca). The Contractor must submit invoices for each delivery or shipment; invoices must only apply to the Contract. Each invoice must indicate whether it covers partial or final delivery.
2. Invoices must show:
  - a. Contractor's Name and remittance physical address;
  - b. Contractor's CRA Business Number or Procurement Business Number (PBN);
  - c. Invoice Date;
  - d. Invoice Number;
  - e. Invoice Amount (broken down into item and tax amounts);
  - f. Invoice Currency (if not in Canadian dollars);
  - g. DFO Reference Number (PO Number or other valid reference number);



- h. DFO Project Authority (*(to be inserted at Contract award)*). **Note:** Invoice will be return to the Contractor if that information is not provided);
  - i. Description of the goods or services supplied (provide details of expenditures (such as item, quantity, unit of issue, fixed time labour rates and level of effort, subcontracts, as applicable) in accordance with the Basis of Payment, exclusive of Applicable Taxes;
  - j. Deduction for holdback, if applicable;
  - k. The extension of the totals, if applicable; and
  - l. If applicable, the method of shipment together with date, case numbers and part or reference numbers, shipment charges and any other additional charges.
3. Applicable Taxes must be specified on all invoices as a separate item along with corresponding registration numbers from the tax authorities. All items that are zero-rated, exempt or to which Applicable Taxes do not apply, must be identified as such on all invoices.
  4. By submitting an invoice, the Contractor certifies that the invoice is consistent with the Work delivered and is in accordance with the Contract.

## 6.4 Term of Contract

### 6.4.1 Period of the Contract

The period of the Contract is from date of Contract to March 31, 2023 inclusive.

### 6.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to one (1) additional one (1) year period(s) under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least fifteen (15) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Lauren Vandendorre  
Title: Contracting Officer  
Department: Fisheries and Oceans Canada  
Directorate: Material and Procurement Services  
Address: 301 Bishop Drive, Fredericton NB, E3C 2M6  
Telephone: 506-470-6349  
Facsimile: 506-452-3676



E-mail address: [Lauren.Vandenborre@dfo-mpo.gc.ca](mailto:Lauren.Vandenborre@dfo-mpo.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 Project Authority *(to be inserted at Contract award)***

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_ \_  
E-mail address: \_\_\_\_\_

The Project 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 Project Authority, however the Project 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 *(to be inserted at Contract award)***

The Contractor's Representative for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_ \_  
Facsimile: \_\_\_\_ \_  
E-mail address: \_\_\_\_\_

**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: 2012-2](#) of the Treasury Board Secretariat of Canada.

**6.7 Payment**

**6.7.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex "B" for a cost of \$\_\_\_\_\_ *(to be inserted 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 Methods of Payment

### 6.7.2.1 Multiple Payments

Canada will pay the Contractor upon completion and delivery of units 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.

## 6.7.3 Electronic Payment of Invoices – Contract

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

- i. Acquisition Card;
- ii. Direct Deposit (Domestic and International)

## 6.8 Invoicing Instructions

6.8.1 Payments will be made provided that:

6.8.1.1 The invoice(s) must be emailed to DFO Accounts Payable, at the email address indicated below:

Email: [DFO.invoicing-facturation.MPO@DFO-MPO.gc.ca](mailto:DFO.invoicing-facturation.MPO@DFO-MPO.gc.ca)  
CC AP Coder: *(to be inserted at Contract award)*

## 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 Manual clause [A3015C](#) (2014-06-26), Certification – Contract



## 6.10 Applicable Laws

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

## 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 2010B (2021-12-02), General Conditions - Professional Services (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated *(to be inserted at Contract award)*.

## 6.12 Insurance - No Specific Requirement - G1005C (2016-01-28)

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.

## 6.13 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".



---

## ANNEX “A” STATEMENT OF WORK

### 1.0 Title

Cataloguing of fish sounds in British-Columbia and improvement of an automatic fish sound detector.

### 2.0 Background

Many fish produce species-specific sounds or calls. Despite the recognized utility of passive acoustics for population monitoring, other than for marine mammals, DFO does not yet utilize this tool for monitoring fishes, though its development is in progress. Dr. Haggarty, along with a team of collaborators from with DFO and Academia, has been awarded a Competitive Science Research Fund (CSRF) grant for three years of funding to continue work started under a SPERA funded project to develop Passive Acoustic Monitoring (PAM) for fishes.

To date, DFO Scientists have collected more than a year of acoustic data and manually identified over 30,000 fish calls. Unfortunately, many of these sounds have not been identified and cannot be assigned to specific fish species. Furthermore, manual identification of fish calls is time consuming and is a significant barrier to effective and efficient data processing. This contract will result in 1) identifying sounds from key fish species such as Lingcod (*Ophiodon elongatus*) and Quillback (*Sebastes maliger*), Yelloweye (*S. ruberrimus*), and Copper Rockfish (*S. caurinus*) in British-Columbia's nearshore rocky reefs using methodologies developed by Mouy et al at the University of Victoria (UVic), and 2) improve software that will be capable of automatically detecting fish calls in long-term passive acoustic recordings.

### 3.0 Objectives

The purpose of this request is to acquire the services of a Contractor to provide professional services related to the identification of fish sounds from key Pacific marine species and to improve software for automatically detecting fish calls and to develop species-specific fish sound detectors. This work will build on foundational research on fish sound monitoring conducted in British Columbia (BC) to improve DFO's capability of detecting and counting fish species. To ensure efficient data collection and analysis of the acoustic recordings a contract is required to support this work.

The Contractor is required to have a comprehensive knowledge of sounds that marine fish species make in Pacific Canadian waters, and demonstrated experience managing, developing, evaluating, and documenting passive acoustic data. The Contractor will have demonstrated expertise in developing software tools to automatically detect fish sounds and possess the ability to perform complex statistical analyses to improve automatic detectors. The Contractor will also have demonstrated expertise working collaboratively within the federal framework.

### 4.0 Scope of Work

The goals of this contract are to 1) provide advice on the development of the audio and video volumetric array developed at UVic off Vancouver Island, and 2) improve a detection and classification algorithm with performance evaluation, and 3) process the data collected by DFO off Snake Island, BC.



---

The Contractor is responsible for but not limited to the following tasks and deliverables:

*Initial Contract Period deliverables:*

- 4.1 Train up to 4 DFO staff prior to deployments to be able to deploy the audio and video volumetric array developed at UVic off Vancouver Island. Contractor will be given 10 days' notice to commence training. Training will occur up to twice a year, over a two-day period each time. While Covid-19 is an on-going health issue, all training will be virtual.
- 4.2 Provide a detailed paper and electronic copy of instructions to operate the audio and video volumetric array.
- 4.3 Improving the existing detection and classification algorithm with performance evaluation using existing fish sound catalogs and newly identified sounds to expand the capability of our fish sound detector to target sounds from specific fish species.
  - 4.3.1. Update the python code of the FishSound Finder detector via GitHub.
  - 4.3.2. Update online documentation of the software.
  - 4.3.3. Document performance of the detector in a draft document.
- 4.4 Process the existing data collected by DFO off Snake Island, BC using automatic detector.
  - 4.4.1. Produce summary tables/figures with the detection results from the Snake Island dataset.
- 4.5 Process the new data collected by DFO using the fish sound automatic detector using automatic detector.
  - 4.5.1. Produce summary tables/figures files with the detection results of newly acquired dataset.
  - 4.5.2. Work with Project Authority and collaborators on draft publications describing the fish sound detector.
- 4.6 Work with Project Authority and collaborators to produce a data management plan (DMP) for this project that will be developed using the Portage DMP platform to ensure all data and metadata follow the F.A.I.R. paradigm.

*Option Year 1 deliverables:*

- 4.7 Improving the detection and classification algorithm with performance evaluation using existing fish sound catalogs and newly identified sounds to expand the capability of our fish sound detector to target sounds from specific fish species.
  - 4.7.1. Release open-source datasets and software.
  - 4.7.2. Update online documentation of the software (on GitHub).
  - 4.7.3. Document performance of the detector in a primary publication.
- 4.8 Process new data collected by DFO using the fish sound automatic detector.
  - 4.8.1. Produce summary tables/figures files with the detection results of newly acquired dataset.
  - 4.8.2. Work with Project Authority and collaborators on primary publication(s) and/or final report.
  - 4.8.3. Release open-source datasets and software.
- 4.9 Process passive acoustic data collected by a compact 6-hydrophone array over five 2-weeks long deployments
  - 4.9.1. Localize in 3 dimensions all sound events below 5 kHz and provide localization uncertainties.



4.9.2. Define the identity of the emitter for all sounds localized in the field of view of 2 video camera deployed on the array.

4.9.3. Estimate the source level of the localized sounds.

4.10 Create and deliver one online tutorial to DFO and local communities on how to use the open-source tools developed during this project.

## 5.0 Method and Source of Acceptance

All services rendered under this Contract are subject to inspection by the Project Authority. The Project Authority shall have the right to reject any service that is not considered satisfactory, or require their correction before payment will be authorized.

In addition, any work undertaken as part of this contract will be provided to DFO on a regular basis for review and consultation. No completed improvements/upgrades will be accepted without an approved, co-developed scoping document, and any CKAN source code.

## 6.0 Reporting Requirements

The Contractor's resource must report to the Project Authority, and provide regular updates including:

- Bi-weekly progress Reports identifying work completed during the reporting period and any work that is still outstanding;
- Report to the Project Authority any special circumstances or events affecting the provision of the required services;
- Attend bi-weekly team meetings as required.

## 7.0 Location of Work

The work will be carried out at the Contractor's own place of business. Meetings will occur via phone and internet.

## 8.0 Travel and Living

DFO is not responsible for any travel and/or living expenses incurred by the Contractor.

## 9.0 Intellectual Property

DFO may assert Crown ownership of IP rights for the publication of internal documents and for primary publications co-produced by the contractor and DFO and intended for the dissemination to the public. Primary publications will be published as open access whenever possible, at the expense of DFO.

The IP rights belong to the contractor for any new software developed in the course of this contract. The computer code will, however, be made available on GitHub. New software will be based upon a computer program previously developed and available on GitHub ([GitHub - xaviermouy/FishSound\\_Finder: A python program to automatically detect fish sounds in passive acoustic recordings.](#))



## 10.0 Language Requirements

The work for this Contract will be carried out in English. All reporting deliverables must be submitted in English and the Contractor's resource must have an Advanced proficiency in English for the written, verbal and comprehension areas as described in the table below.

Language Proficiency Grid			
	Oral	Comprehension	Written
Basic	<p>A person speaking at this level can:</p> <ul style="list-style-type: none"> <li>ask and answer simple questions;</li> <li>give simple instructions; and,</li> <li>give uncomplicated directions relating to routine work situations.</li> </ul>	<p>A person reading at this level can:</p> <ul style="list-style-type: none"> <li>fully understand very simple texts; grasp the main idea of texts about familiar topics; and,</li> <li>read and understand elementary points of information such as dates, numbers, or names from relatively more complex texts to perform routine job-related tasks.</li> </ul>	<p>A person writing at this level can:</p> <ul style="list-style-type: none"> <li>write isolated words, phrases, simple statements or questions on very familiar topics using words of time, place or person.</li> </ul>
Intermediate	<p>A person speaking at this level can:</p> <ul style="list-style-type: none"> <li>sustain a conversation on concrete topics; report on action taken;</li> <li>give straightforward instructions to employees; and,</li> <li>provide factual descriptions and explanations.</li> </ul>	<p>A person reading at this level can:</p> <ul style="list-style-type: none"> <li>grasp the main idea of most work-related texts;</li> <li>identify specific details; and,</li> <li>distinguish main from subsidiary ideas.</li> </ul>	<p>A person writing at this level can:</p> <ul style="list-style-type: none"> <li>deal with explicit information on work-related topics since they have sufficient mastery of grammar and vocabulary.</li> </ul>
Advanced	<p>A person speaking at this level can:</p> <ul style="list-style-type: none"> <li>support opinions, and understand and express hypothetical and conditioned ideas.</li> </ul>	<p>A person reading at this level can:</p> <ul style="list-style-type: none"> <li>understand most complicated details, inferences and fine points of meaning; and,</li> <li>have a good comprehension of specialized or less familiar material.</li> </ul>	<p>A person writing at this level can:</p> <ul style="list-style-type: none"> <li>write texts where ideas are developed and presented in a coherent manner.</li> </ul>

## REFERENCES

- English P.A., Archer S.K., Dudas S.E., Halliday W.D., Haggarty D.R., and Juanes F., in prep. Covid-19 anthropause induced changes to boat traffic impact fish calling behaviour.
- Mouy X., Black M., Cox K., Qualey J., Dosso S., and Juanes F. 2019. Identifying fish sounds of British Columbia with an autonomous audio and video array. *Journal of the Acoustical Society of America* 46: 2854.



- 
- Mouy, X., Rountree, R., Juanes, F., and Dosso, S. 2018. Cataloging fish sounds in the wild using combined acoustic and video recordings. *Journal of the Acoustical Society of America* 143, EL333-EL339.
- Mouy X., Black M., Cox K., Qualley J., Mireault C., Dosso S., and Juanes F. 2020. FishCam: A low-cost open source autonomous camera for aquatic research. *HardwareX*. 8, e00110.
- Mouy X. 2021. Development of an automatic fish sound detector for British-Columbia. Version 1.0. Technical report by JASCO Applied Sciences for Fisheries and Oceans Canada.
- FishSound Finder software. <https://fishsound-finder.readthedocs.io>.
- Rowell T.J., Demer D.A., Aburto-Oropeza O., Cota-Nieto J.J., Hyde J.R., and Erisman B.E. 2017. Estimating fish abundance at spawning aggregations from courtship sound levels. *Scientific Reports* 7: 1–14.
- Rowell T.J., Schärer M.T., Appeldoorn R.S., Nemeth M.I., Mann D.A., and Rivera J.A. 2012. Sound production as an indicator of red hind density at a spawning aggregation. *Marine Ecology Progress Series* 462: 241–250.
- Myrberg A.A.J., Ha S.J., and Shablott M.J. 1993. The sounds of bicolor damselfish (*Pomacentrus partitus*): predictors of body size and a spectral basis for individual recognition and assessment. *Journal of the Acoustical Society of America* 94: 3067 – 3070.
- Bermant P.C., Bronstein M.M., Wood R.J. et al. 2019. Deep Machine Learning Techniques for the Detection and Classification of Sperm Whale Bioacoustics. *Scientific Reports* 9: 12588.
- Davis J., and Goadrich M. 2006. The relationship between precision-recall and ROC curves. *Proceedings of the 23rd International Conference on Machine Learning*, Pittsburgh, PA, 2006. Copyright 2006.
- Archer S.K., Halliday W.D., Riera A., Mouy X., Pine M.K., Chu J.W.F., Dunham A., and Juanes F. 2018. The first description of a glass sponge reef soundscape reveals fish calls and elevated sound pressure levels. *Marine Ecology Progress Series* 595: 245-252.
- Mann D.A., Hawkins A.D., and Jech J.M. 2008. Active and Passive Acoustics to Locate and Study Fish. In: Webb J.F., Fay R.R., Popper A.N. (eds) *Fish Bioacoustics*. Springer Handbook of Auditory Research, vol 32. Springer, New York, NY.
- Roch M.A. *et al.*, "Tethys: A workbench and database for passive acoustic metadata," *2013 OCEANS - San Diego*, San Diego, CA, 2013, pp. 1-5.
- Roch M.A., Batchelor H., Baumann-Pickering S., Berchok C.L., Cholewiak D., Fujioka E., Garland E.C., Herbert S., Hildebrand J.A., Oleson E.M., Van Parijs S., Risch D., Širović A., and Soldevilla M.S. 2016. Management of acoustic metadata for bioacoustics. *Ecological Informatics*, 31: 122-136.



**ANNEX “B” BASIS OF PAYMENT**

The Bidder must complete this pricing schedule and include it in its financial bid.

The Contractor will be paid in accordance with the following firm per diem rates for the provision of all services associated with the Contract. All deliverables are F.O.B. Destination. Customs duties are included, and Applicable Taxes are extra.

**INITIAL CONTRACT PERIOD – Contract Award to March 31, 2023**

During the period of the Contract, for Work performed in accordance with the Contract, the Contractor will be paid as specified below.

	<b>Deliverables</b>	<b>Total All-inclusive Cost</b>
1.	Train up to 4 DFO staff prior to deployments to be able to deploy the audio and video volumetric array developed at UVic off Vancouver Island.	\$_____ per course
2.	Provide a detailed paper and electronic copy of instructions to operate the audio and video volumetric array.	\$_____
3.	Improving the existing detection and classification algorithm with performance evaluation using existing fish sound catalogs and newly identified sounds to expand the capability of our fish sound detector to target sounds from specific fish species. - Update the python code of the FishSound Finder detector via GitHub. - Update online documentation of the software. - Document performance of the detector in a draft document.	\$_____
4.	Process the existing data collected by DFO off Snake Island, BC using automatic detector. - Produce summary tables/figures with the detection results from the Snake Island dataset.	\$_____
5.	Process the new data collected by DFO using the fish sound automatic detector using automatic detector. - Produce summary tables/figures files with the detection results of newly acquired dataset. - Help with draft publications describing the fish sound detector.	\$_____
6.	Help produce a data management plan (DMP) that will be developed using the Portage DMP platform.	\$_____
<b>Total all-inclusive cost (excluding taxes) CAD</b>		<b>\$_____</b>

**OPTIONAL PERIOD 1 – April 1, 2023 to March 31, 2024**

This section is only applicable if the option to extend the Contract is exercised by Canada.

	<b>Description</b>	<b>Total All-inclusive Cost</b>
1.	Improving the detection and classification algorithm with performance evaluation using existing fish sound catalogs and newly identified sounds to expand the capability of our fish sound detector to target sounds from specific fish species. - Release open-source datasets and software. - Update online documentation of the software (on GitHub).	\$_____



	- Document performance of the detector in a primary publication.	
2.	<p>Process new data collected by DFO using the fish sound automatic detector.</p> <ul style="list-style-type: none"> <li>- Produce summary tables/figures files with the detection results of newly acquired dataset.</li> <li>- Help with primary publication(s) and/or final report.</li> <li>- Release open-source datasets and software.</li> </ul>	\$ _____
3.	<p>Process passive acoustic data collected by a compact 6-hydrophone array over five 2-weeks long deployments</p> <ul style="list-style-type: none"> <li>- Localize in 3 dimensions all sound events below 5 kHz and provide localization uncertainties</li> <li>- Define the identity of the emitter for all sounds localized in the field of view of 2 video camera deployed on the array</li> <li>- Estimate the source level of the localized sounds.</li> </ul>	\$ _____
4.	Create and deliver one online tutorial to DFO and local communities on how to use the open-source tools developed during this project.	\$ _____
<b>Total all-inclusive cost (excluding taxes) CAD</b>		<b>\$ _____</b>



### ANNEX "C" EVALUATION CRITERIA

The bid must meet the Mandatory Technical Criteria specified below. The Bidder must provide the necessary documentation to support compliance with this requirement.

Bids which fail to meet the Mandatory Technical Criteria will be declared non-responsive. Each Mandatory Technical Criteria must be addressed separately.

**Experience cited to demonstrate compliance must include the following**

- The project name;
- The name of the client organization;
- The period during which the service was provided (month and year); and
- A detailed outline of the services provided.

Bidders must complete the following charts cross-referring to where in their bid the information can be found, and include with their bid submission.

**Mandatory Technical Criteria**

No.	Mandatory Technical Criteria	Cross Reference to Proposal Page No.
M1	The Bidder must provide a CV with their bid submission for the Proposed Resource.	
M2	<b>Experience in Passive Acoustic Data Collection and Analysis.</b> The Bidder's Proposed Resource <b>must</b> have a minimum of 12 months of <b>recent*</b> experience in collecting and analyzing Passive Acoustic Data related to marine fish species in Canadian waters.	
M3	<b>Experience with automatic detectors for acoustic data.</b> The Bidder's Proposed Resource <b>must</b> have a minimum of 12 months of <b>recent*</b> experience in developing automatic detectors for acoustic data including the use of programming languages (Python and R).	
M4	<b>Experience analyzing passive acoustic data for marine fishes.</b> The Bidder's Proposed Resource <b>must</b> have a minimum of 12 months <b>recent*</b> experience using RavenPro software and FishSound Finder to analyze marine fish passive acoustic data collected in Canadian waters.	

\*Recent is defined as within the last 72 months of the bid closing date.



**Point Rated Technical Criteria**

Bids which meet all the Mandatory Technical Criteria will be evaluated and scored as specified in the table inserted below.

Bids MUST achieve an overall minimum score as specified in the table below of the Rated Requirements, in order to be considered technically responsive. Proposals which fail to attain the minimum score of the Rated Requirements will be considered technically non-responsive and no further evaluation will be conducted.

Each Point Rated Technical Criteria must be addressed separately.

No.	Point Rated Criteria	Max Points	Points Breakdown	Cross Reference to Proposal Page No.
R1	<p><b>Experience with computer coding.</b></p> <p>The Bidder demonstrates in their CV the Proposed Resource has experience coding using computer languages.</p>	10 pts	<p>1 computer language = 2 points            2 computer languages = 4 points            3 computer languages = 6 points            4 computer languages = 8 points            5 computer languages = 10 points</p>	
R2	<p><b>Experience localizing marine fauna using passive acoustic arrays.</b></p> <p>The Bidder demonstrates through published documents the Proposed Resource has experience localizing marine fauna using passive acoustic arrays.</p>	10 pts	<p>1 published document = 5 points            2 published documents = 10 points</p>	
R3	<p><b>Experience developing automatic detectors for marine fauna.</b></p> <p>The Bidder demonstrates through project descriptions the Proposed Resource has experience developing automatic detectors for marine fauna.</p>	20 pts	<p>1 project = 5 points            2 projects = 10 points            3 projects = 15 points            4 projects = 20 points</p>	
<p><b>Total Evaluated Score: (Minimum points required: 20):</b></p>		/40		