



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scotia

B3J 1T3

Bid Fax: (902) 496-5016

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

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

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

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

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

### Comments - Commentaires

### Vendor/Firm Name and Address

### Raison sociale et adresse du

### fournisseur/de l'entrepreneur

### Issuing Office - Bureau de distribution

Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scot

B3J 1T3

<b>Title - Sujet</b> Fog Signals	
<b>Solicitation No. - N° de l'invitation</b> F6839-185209/B	<b>Date</b> 2019-10-24
<b>Client Reference No. - N° de référence du client</b> F6839-18-5209	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-405-10807	
<b>File No. - N° de dossier</b> HAL-8-81209 (405)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-12-04</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Standard Time AST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Kendell, Byron	<b>Buyer Id - Id de l'acheteur</b> hal405
<b>Telephone No. - N° de téléphone</b> (902) 497-5345 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF FISHERIES AND OCEANS 50 DISCOVERY DR., LEVEL 4 DARTMOUTH NOVA SCOTIA B2Y3Z8 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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## TABLE OF CONTENTS

<b>PART 1 - GENERAL INFORMATION .....</b>	<b>3</b>
1.1 REQUIREMENT .....	3
1.2 DEBRIEFINGS .....	3
1.3 TRADE AGREEMENTS .....	3
1.4 EPOST CONNECT SERVICE .....	3
<b>PART 2 - BIDDER INSTRUCTIONS .....</b>	<b>3</b>
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS .....	3
2.2 SUBMISSION OF BIDS .....	5
2.3 ENQUIRIES - BID SOLICITATION .....	5
2.4 APPLICABLE LAWS .....	5
<b>PART 3 - BID PREPARATION INSTRUCTIONS .....</b>	<b>5</b>
3.1 BID PREPARATION INSTRUCTIONS .....	5
<b>PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION .....</b>	<b>7</b>
4.1 EVALUATION PROCEDURES .....	7
4.2 BASIS OF SELECTION .....	8
<b>PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION .....</b>	<b>8</b>
5.1 CERTIFICATIONS REQUIRED WITH THE BID .....	8
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION .....	8
<b>PART 6 - RESULTING CONTRACT CLAUSES .....</b>	<b>9</b>
6.1 SECURITY REQUIREMENTS .....	9
6.2 REQUIREMENT .....	9
6.3 STANDARD CLAUSES AND CONDITIONS .....	9
6.4 TERM OF CONTRACT .....	9
6.5 AUTHORITIES .....	9
6.6 PAYMENT .....	10
6.7 INVOICING INSTRUCTIONS .....	11
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION .....	11
6.9 APPLICABLE LAWS .....	11
6.10 PRIORITY OF DOCUMENTS .....	12
6.11 SACC MANUAL CLAUSES .....	12
<b>ANNEX A .....</b>	<b>13</b>
REQUIREMENT .....	13
<b>ANNEX B .....</b>	<b>17</b>
BASIS OF PAYMENT .....	17
<b>ANNEX C .....</b>	<b>18</b>
EVALUATION CRITERIA .....	18
<b>ANNEX D TO PART 3 OF THE BID SOLICITATION .....</b>	<b>24</b>
ELECTRONIC PAYMENT INSTRUMENTS .....	24

Solicitation No. - N° de l'invitation  
F6839-185209/B  
Client Ref. No. - N° de réf. du client

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

Buyer ID - Id de l'acheteur  
ha1405  
CCC No./N° CCC - FMS No./N° VME

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<b>ANNEX E .....</b>	<b>25</b>
<b>INFORMATION FOR CODE OF CONDUCT CERTIFICATION .....</b>	<b>25</b>

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This bid solicitation cancels and supersedes previous bid solicitation number **F6839-185209/A** dated **31 May 2019** with a closing of **16 July 2019** at **2:00 pm**. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

## **PART 1 - GENERAL INFORMATION**

### **1.1 Requirement**

The Department of Fisheries and Oceans, Canadian Coast Guard has a requirement for the construction and delivery of 12 new fog signals of 2 Nautical Mile range for use as aids to navigation as described at Annex A.

### **1.2 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.

### **1.3 Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

### **1.4 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**

The 2003 standard instructions is amended as follows:

- Section 08, entitled Transmission by facsimile or by epost Connect, is amended as follows:
  - subsection 2. is deleted entirely and replaced with the following:

#### **2. epost Connect**

- a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [epost Connect service](#) provided by Canada Post Corporation.
  - i. PWGSC regional offices: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC regional offices is:

[TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca)

- b. To submit a bid using epost Connect service, the Bidder must either:

- i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for epost Connect provided by Canada Post Corporation; or
  - ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.
- c. If the Bidder sends an email requesting epost Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate an epost Connect conversation. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
- d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after the solicitation closing date and time.
- e. The bid solicitation number should be identified in the epost Connect message field of all electronic transfers.
- f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the Bid Receiving Unit address specified in the solicitation in order to register for the epost Connect service.
- g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
  - i. receipt of a garbled, corrupted or incomplete bid;
  - ii. availability or condition of the epost Connect service;
  - iii. incompatibility between the sending and receiving equipment;
  - iv. delay in transmission or receipt of the bid;
  - v. failure of the Bidder to properly identify the bid;
  - vi. illegibility of the bid;
  - vii. security of bid data; or,
  - viii. inability to create an electronic conversation through the epost Connect service.
- h. The Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the epost Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or the Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.
- i. Bidders must ensure that that they are using the correct email address for the Bid Receiving Unit when initiating a conversation in epost Connect or communicating with the Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the epost Connect system.
- j. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.

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.

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

The **2003** (2018-05-22) Standard Instructions - Goods 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 only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

**Note: For bidders choosing to submit using epost Connect, the email address is:**

[TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.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.

## **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than **5 (five)** 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 Nova Scotia.

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

# **PART 3 - BID PREPARATION INSTRUCTIONS**

## **3.1 Bid Preparation Instructions**

- 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.

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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 copy)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)

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.

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### 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

## Section III: Certifications

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

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 Evaluation Procedures

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

#### 4.1.1 Technical Evaluation

##### 4.1.1.1 Mandatory Technical Criteria

**Mandatory Technical Criteria are listed at Annex C. Bidders must provide the information requested in Annex C and return it with their submission. Proposals which fail to meet any of the Mandatory Technical Criteria requested in Annex C will be deemed non-compliant and will be given no further consideration.**

It is to the bidder's advantage to furnish as much detail as possible to support their comments and claims of compliance for each Mandatory Technical Criteria requirement in Annex C.

The Crown is under NO obligation to seek clarification of any information contained within the bid(s) or the supporting technical documentation provided.

#### 4.1.2 Financial Evaluation

SACC Manual Clause A0220T (2014-06-26), Evaluation of Price



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## 4.2 Basis of Selection

### 4.2.1 Mandatory Technical Criteria

[A0031T](#) (2010-08-16), Basis of Selection - Mandatory Technical Criteria

## 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.

### 5.2 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.

#### 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](#)

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[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 Requirement**

The Contractor must provide the items detailed under the "Requirement" at Annex A.

### **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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### **6.4 Term of Contract**

#### **6.4.1 Delivery Date**

All the deliverables must be received ***within 4 months of contract award.***

#### **6.4.2 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: Byron Kendell

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Title: Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 1713 Bedford Row, Halifax, NS B3J 3C9

Telephone: 902-497-5345  
Facsimile: 902-496-5016  
E-mail address: [byron.kendell@pwgsc.gc.ca](mailto:byron.kendell@pwgsc.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

The Project Authority for the Contract is (completed at contract award):

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
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 (completed by bidder)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

## 6.6 Payment

### 6.6.1 Basis of Payment

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

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

#### **6.6.2 SACC Manual Clauses**

H1000C (2008-05-12), Single Payment

#### **6.6.3 Electronic Payment of Invoices – Contract**

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

#### **6.7 Invoicing Instructions**

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

Department of Fisheries and Oceans  
CCG Marine and Civil Infrastructure  
c/o Supply Depot  
Southside Road, PO Box 5667  
St. John's, NL A1A 5J7

#### **6.8 Certifications and Additional Information**

##### **6.8.1 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 Applicable Laws**

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

## 6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ (*insert date of bid*).

## 6.11 SACC Manual Clauses

A9068C (2010-01-11), Government Site Regulations  
C0705C (2010-01-11), Discretionary Audit  
G1005C (2016-01-28), Insurance – No Specific Requirement

## **ANNEX A**

### **REQUIREMENT**

#### **1 BACKGROUND INFORMATION: INTRODUCTION**

The Canadian Coast Guard (CCG) has a requirement for twelve fog signals of various range for use as aids to navigation.

The CCG makes use of fog signals using common fog signal characteristics as listed in the Canadian Coast Guard, Notice to Mariners (NOTMAR) List of Lights, Buoys and Fog Signals (4 Volumes) – latest editions.

The fog signals are deployed in a harsh marine environment and are exposed to a wide range of ambient temperatures and humidity. The fog signals will be exposed to significant wind speeds, salt air, seawater spray, and potential ice loads. The units will have continuous exposure to ultraviolet (UV) levels that are typical of the lower-to-mid Canadian latitudes. Fog signals may be subject to heavy driving rains, freezing rain, and snow.

Once deployed, the fog signals will be left unattended for considerable periods of time. The CCG is looking for fog signals that will operate under the specified condition and have a minimum specified service life of 8 years. The CCG is also looking for fog signals which require minimal maintenance throughout the lifecycle of the device.

#### **2 REFERENCED DOCUMENTS**

##### **2.1 Referenced Publications, Specifications and Standards**

- EC 60529:1989+AMD1:1999+AMD2:2013 and CSV/COR2:2015 Degrees of protection provided by enclosures (IP Code).
- MIL-STD-202H, Department of Defense Test Method Standard: Electronic and Electrical Component Parts.
- IALA (International Association of Marine Aids to Navigation and Lighthouse Authorities) Guideline 1090 – The Use of Audible Signals edition 1.0 Sept 2012
- Canadian Coast Guard, Notice to Mariners (NOTMAR) List of Lights, Buoys and Fog Signals (4 Volumes) – latest editions

#### **3 PERFORMANCE SPECIFICATIONS**

##### **3.1 GENERAL**

###### **3.1.1 Quantity**

- Twelve fog signals are required.

###### **3.1.2 Range**

- Fog signals must be capable of emitting a sound signal 2 Nautical Miles as per IALA guidelines
- Fog signals must be omnidirectional

### 3.1.3 Fog Signal Characteristics

- The fog signal default or pre-set characteristic must be a 2 second blast followed by 28 seconds of silence
- The fog signals must maintain its programmed setting and must not switch to another setting until programmed to do so for no less than 12 months unpowered (storage conditions)
- The Fog Signals must provide a means of the user being able to select or program a minimum of 9 different signal characteristics. The following table identifies all of the Atlantic Canadian Coast Guard's signal characteristics.(Duration in seconds) Signals listed as mandatory must be provided with the unit. Signals identified as desired are not required to meet the technical requirement for this procurement process.

It is also a requirement to provide two (2) of any specialty equipment and/or cables required to program signal characteristics.

<b><u>Fog Signal Characteristic</u></b>	<b><u>Mandatory or Desired</u></b>
3s Blast; 27s Silence	Mandatory
4s Blast; 56s Silence	Mandatory
2s Blast; 18s Silence	Mandatory
3s Blast; 3s Silence; 3s Blast; 51s Silence	Mandatory
2s Blast; 3s Silence; 2s Blast; 3s Silence; 2s Blast; 48s Silence	Mandatory
6s Blast; 54s Silence	Mandatory
5s Blast; 55s Silence	Mandatory
2s Blast; 8s Silence; 2s Blast; 8s Silence; 2s Blast; 38s Silence	Desired
1s Blast; 14s Silence	Desired

### 3.1.4 Material

- The fog signals must be made of materials which will not be subject to damage due to corrosion or rust during the life expectancy of the fog signal
- The fog signal must not contain any toxic or radioactive materials

### 3.1.5 Finish

- External components must have a smooth finish and be uniform in colour and appearance
- Paint or coatings must be lead free
- Ultraviolet exposure must cause minimal material breakdown of the housing so the unit maintains structural integrity for no less than 8 years
- All components of the fog signal must be free of cracks, burrs, sharp cutting edges, and other defects and blemishes affecting their life, appearance, and serviceability

### 3.1.6 Mounting Provisions

- The bottom of the fog signal base must be parallel to the signal's focal plane.
- The base of the unit shall be capable of being bolted to a plate measuring 1000 millimeters by 1000 millimeters.
- The top of the unit must have a lifting lug capable of safely handling the fog signal or the unit must be capable of being broken down into components with each component weighing less than 80 lbs for ease of transportation.

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### **3.1.7 Identification Nameplate**

- The fog signal must have an identification nameplate with the following information:
  - Name of Manufacturer
  - Model Number
  - Serial Number
  - Date of Manufacture
  - Rated Voltage/Amperage
- The identification nameplate must be indelible
- The identification nameplate must be located on the exterior of the unit

### **3.1.8 Delivery**

- Fog Signals are to be delivered to Saint John, NB, within 4 months of contract award

## **3.2 ELECTRICAL REQUIREMENTS**

### **3.2.1 Power and Energy Requirements**

- The Fog Signals must operate using a nominal voltage of 12 volts, or 24 volts direct current (DC)
- The Fog Signals must operate within standard input ranges for the stated voltage.

### **3.2.2 Protection Requirements**

- The Fog Signals must be provided with reverse polarity protection and not experience damage if the power leads are connected in reverse polarity
- The Fog Signals must be provided with short-circuit protection with automatic reset

### **3.2.3 Input**

- Fog Signals must be capable of emitting a sound signal, at the desired characteristic, upon receiving a 12 volt, or 24 volt direct current (DC)

## **3.3 ENVIRONMENT**

### **3.3.1 Temperature**

- Fog signals must be capable of operating when exposed to temperatures ranging from -25 degrees Celsius to +40 degrees Celsius

### **3.3.2 Humidity**

- Fog signals must be capable of operating when exposed to relative humidity from 0 percent to 100 percent condensing.

### **3.3.3 Wind Speed**

- Fog signals must be capable of operating when exposed to wind speeds up to 160 kilometers per hour.

### **3.3.4 Salt Air and Seawater Spray**



- 
- Fog signals must be capable of operating when under continuous exposure to salt air and seawater spray

### **3.3.5 Electromagnetic Interference**

- Fog signal beacons must not be susceptible to interference from radiating devices normally found in the marine environment when tested in accordance with IEC 60945

### **3.3.6 Immersion Protection**

- Fog signals must meet ingress protection of at least IP65 in accordance with IEC 60529:1989+AMD1:1999+AMD2:2013 and CSV/COR2:2015

### **3.4 SERVICE LIFE**

- Fog signals must have an expected life of 70,000 hours.

### **3.5 PREVENTIVE MAINTENANCE REQUIREMENTS**

- Fog signals must be supplied with a priced list of recommended spare parts sufficient for 20,000 hours of operation. Prices quoted must be based on published pricing with any discounts provided for a most favoured customer
- Fog signals must be supplied with a recommended preventive maintenance manual in English

### **3.6 TRAINING**

- The supplier must provide a one day training session with CCG technicians at both the CCG facility in Saint John, New Brunswick and St John's, Newfoundland. Training is to cover the proper installation of the fog signal, maintenance and troubleshooting

## ANNEX B

### BASIS OF PAYMENT

Please complete the following table and submit with Bid.

The successful Bidder must provide the following:

Description (A)	Unit of Measure (B)	Quantity (C)	Unit Price (D)	Extended Price (C x D = E) (E)
<b>Fog Signals (IAW Annex A)</b>  <b>Brand:</b> _____ <b>Model:</b> _____	Each	12	\$ _____	\$ _____
<b>Shipping</b>	Lot			\$ _____
<b>Training - St. John's, NL</b>	Each	1	\$ _____	\$ _____
<b>Training - Saint John, NB</b>	Each	1	\$ _____	\$ _____
<b>Total Evaluated Price (Sum of Column E)</b>				\$ _____

All prices are in Canadian dollars, Goods and Services Tax or the Harmonized Sales Tax excluded, Canadian Customs Duties Taxes included.

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.

***End of Basis of Payment***

**ANNEX C**

**EVALUATION CRITERIA**

Please complete the following table and submit with Bid.

Mandatory Evaluation Criteria

Bidders must acknowledge their compliance with the Mandatory Technical Criteria by initialling where indicated in the Technical Requirements Matrix below. Bidders must provide the Compliance Requirement indicated for each criterion and should indicate in the table below where the Compliance Requirement is located within their proposal.

By submitting Mandatory Technical Criteria, the bidder certifies the product they are offering meets and will be built as per the Mandatory Technical Criteria.

The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Failure to meet any of the following will render your proposal non-compliant and will be given no further consideration.

Method of Verification

Compliance to the requirements listed in the Technical Requirements Matrix below will be verified by the evaluation team. Each criterion below must be supported by its corresponding Compliance Requirement. Any criterion that is not supported by its corresponding Compliance Requirement will be deemed non-compliant. Bids must meet all criteria contained in the Technical Requirements Matrix to be deemed compliant overall. Bids deemed non-compliant will be set-aside and be given no further consideration. Compliance Requirements are defined as follows:

Compliance Method	Description
Statement of Conformance (SOC)	Written acknowledgement that the requirement has been met. A certificate of compliance must be provided when possible/applicable.
Submit Data (SD)	Provide Drawings/Documentation to validate that the requirement has been met.
Submit Test Data (STD)	Provide test data, as dictated in the performance specification, from an independent laboratory via an Industry Standard Test to validate that the requirement has been met.

Technical Requirements Matrix

Reference	Requirement		Compliance Requirement	Initial to Acknowledge Compliance	Proposal Page #
3.1	GENERAL				
3.1.1	Quantity				
3.1.1.1	Twelve (12) Fog Signal units are required.		SOC		
3.1.2	Range				
3.1.2.1	Fog Signals must be capable of emitting a sound signal 2 Nautical Miles as per IALA guidelines.		SD		
3.1.2.2	Fog signals must be omnidirectional.		SOC		
3.1.3	Fog Signal Characteristics				
3.1.3.1	The fog signal default, or pre-set characteristic must be 2 second blast followed by 28 second silence.		SOC		
3.1.3.2	The Fog Signals must provide a means of the user being able to select or program a minimum of 9 different signal characteristics. The following table identifies all of the Atlantic Canadian Coast Guard's signal characteristics.(Duration in seconds) Signals listed as mandatory must be provided with the unit. Signals identified as desired are not required to meet the technical requirement for this procurement process.				
	It is also a requirement to provide two (2) of any specialty equipment and/or cables required to program signal characteristics.				

Reference	Requirement	Compliance Requirement	Initial to Acknowledge Compliance	Proposal Page #
	3s Blast; 3s Silence;	Mandatory		
	3s Blast; 51s Silence			
	2s Blast; 3s Silence;	Mandatory		
	2s Blast; 3s Silence;			
	2s Blast; 48s Silence			
	6s Blast; 54s Silence	Mandatory		
	5s Blast; 55s Silence	Mandatory		
	2s Blast; 8s Silence;	Desired		
	2s Blast; 8s Silence;			
	2s Blast; 38s Silence			
3.1.3.3	1s Blast; 14s Silence	Desired		
	The Fog Signals must maintain its programmed setting, and will not switch to another setting until programmed to do so for no less than 12 months unpowered (storage conditions).		SOC	
<b>3.1.4</b>	<b>Material</b>			
3.1.4.1	The fog signal must be made of materials which will not be subject to damage due to corrosion or rust during the life expectancy of the fog signal.	SOC		
3.1.4.2	The fog signal must not contain any toxic or radioactive materials	SOC		
<b>3.1.5</b>	<b>Finish</b>			
3.1.5.1	External components must have a smooth finish and be uniform in colour and appearance.	SOC		
3.1.5.2	Paint or coatings must be lead free.	SOC		
3.1.5.3	Ultraviolet exposure must cause minimal material breakdown of the housing so the unit maintains structural integrity for no less than 8 years.	SOC		
3.1.5.4	All components of the fog signal must be free of cracks, burrs, sharp cutting edges, and other defects and blemishes affecting their life, appearance, and serviceability.	SOC		
<b>3.1.6</b>	<b>Mounting Provisions</b>			
3.1.6.1	The bottom of the fog signal base must be parallel to	SOC		

Reference	Requirement	Compliance Requirement	Initial to Acknowledge Compliance	Proposal Page #
3.1.6.2	the signals focal plane. The base of the unit shall be capable of being bolted to a plate measuring 1000 millimeters by 1000 millimeters.	SD		
3.1.6.3	The top of the unit must have a lifting lug capable of safely handling the fog signal or the unit must be capable of being broken down into components with each component weighing less than 80 lbs for ease of transportation.	SD		
<b>3.1.7</b>	<b>Identification Nameplate</b>			
	The fog signal must have an identification nameplate with the following information:			
3.1.7.1	<ul style="list-style-type: none"> <li>Name of Manufacturer</li> <li>Model Number</li> <li>Serial Number</li> <li>Date of Manufacture</li> <li>Rated Voltage/Amperage</li> </ul>	SOC		
3.1.7.2	The identification nameplate must be indelible.	SOC		
3.1.7.3	The identification nameplate must be located on the exterior of the unit.	SOC		
<b>3.1.8</b>	<b>Delivery</b>			
3.1.8.1	Fog Signals are to be delivered to Saint John, NB no later than 4 months after contract award.	SOC		
3.1.8.2	Training sessions are to be delivered:			
	<ul style="list-style-type: none"> <li>Saint John, NB, no later than 4 months after contract award.</li> <li>St. John's NL, no later than 4 months after contract award.</li> </ul>	SOC		
3.1.8.3		SOC		
<b>3.2</b>	<b>ELECTRICAL REQUIREMENTS</b>			
<b>3.2.1</b>	<b>Power and Energy Requirements</b>			
3.2.1.1	The Fog Signals must operate using a nominal voltage of 12 volts, or 24 volts direct current (DC).	SD		
3.2.1.2	The Fog Signals must operate within standard input ranges for the stated voltage.	SOC		
<b>3.2.2</b>	<b>Protection Requirements</b>			

Reference	Requirement	Compliance Requirement	Initial to Acknowledge Compliance	Proposal Page #
3.2.2.1	The Fog Signals must be provided with reverse polarity protection and not experience damage if the power leads are connected in reverse polarity.	SOC		
3.2.2.2	The Fog Signals must operate within standard input ranges for the stated voltage.	SOC		
<b>3.2.3</b>	<b>Input</b>			
3.2.3.1	Fog Signals must be capable of emitting a sound signal, at the desired characteristic, upon receiving a 12 volt, or 24 volt direct current (DC).	SD		
<b>3.3</b>	<b>ENVIRONMENT</b>			
<b>3.3.1</b>	<b>Temperature</b>			
3.3.1.1	The fog signals must be capable of operating when exposed to temperatures ranging from -25 degrees Celsius to +40 degrees Celsius.	STD		
<b>3.3.2</b>	<b>Humidity</b>			
3.3.2.1	The fog signals must be capable of operating when exposed to relative humidity from 0 percent to 100 percent condensing.	SOC		
<b>3.3.3</b>	<b>Windspeed</b>			
3.3.3.1	The fog signals must be capable of operating when exposed to wind speeds up to 160 kilometers per hour.	SOC		
<b>3.3.4</b>	<b>Salt Air and Seawater Spray</b>			
3.3.4.1	The fog signal must be capable of operating when under continuous exposure to salt air and seawater spray.	SOC		
<b>3.3.5</b>	<b>Electromagnetic Interference</b>			
3.3.5.1	The fog signals must not be susceptible to interference from radiating devices normally found in the marine environment when tested in accordance with IEC 60945.	SOC		
<b>3.3.6</b>	<b>Immersion Protection</b>			
3.3.6.1	The fog signals must meet ingress protection of at least IP65 in accordance with IEC 60529:1989+AMD1:1999+AMD2:2013 and	STD		

Reference	Requirement	Compliance Requirement	Initial to Acknowledge Compliance	Proposal Page #
	CSV/COR2:2015.			
<b>3.4</b>	<b>SERVICE LIFE</b>			
3.4.1	Fog signals must have a minimum life of 70 000 hours.	SOC		
<b>3.5</b>	<b>PREVENTIVE MAINTENANCE REQUIREMENTS</b>			
3.5.1	The fog signals must be supplied with a priced list of recommended spare parts sufficient for 20,000 hours of operation. Prices quoted must be based on published pricing with any discounts provided for most favoured customers.	SOC		
3.5.2	The fog signals must be supplied with a recommended preventive maintenance manual in English.	SOC		
<b>3.6</b>	<b>TRAINING</b>			
3.6.1	The supplier must provide a one day training session with CCG technicians at the CCG facility in both Saint John, New Brunswick and St John's, Newfoundland. Training must cover the proper installation of the fog signal, maintenance and troubleshooting.	SOC		

Canada reserves the right to verify that any and all of the mandatory specifications identified in Annex C – are met prior to award of contract. Mandatory specifications found not to be met will result in a non-compliant bid, and if found after contract award may result in the termination of the contract. Bidder certifies that all of the above mandatory requirements are met:

Signature of bidder: \_\_\_\_\_



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## **ANNEX D to PART 3 OF THE BID SOLICITATION**

### **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)

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## ANNEX E

### INFORMATION FOR CODE OF CONDUCT CERTIFICATION

***[PLEASE COMPLETE AND SUBMIT WITH BID]***

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

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

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

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

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

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