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**SOLICITATION AMENDMENT**

**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**

Marine Emergency Response Division/Division des

Interventions en cas d'urgence maritime

Centennial Towers 7th Floor - 7W11

200 Kent Street

Ottawa

Ontario

K1A0S5

<b>Title - Sujet</b> Wild Deterrence - Bird Hazing Buoy	
<b>Solicitation No. - N° de l'invitation</b> F7047-190096/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> F7047-190096	<b>Date</b> 2020-06-25
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$ERD-011-27821	
<b>File No. - N° de dossier</b> 011erd.F7047-190096	<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 2020-07-13</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Beland, Marc	<b>Buyer Id - Id de l'acheteur</b> 011erd
<b>Telephone No. - N° de téléphone</b> (111) 111-1111 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<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>

Request for Information No./  
N° de demande d'information  
F7047-190096/A

Amd. No. - N° de la modif.  
001

Buyer ID - Id de l'acheteur  
011erd

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

File No. - N° du dossier F7047-190096

CCC No./N° CCC - FMS No./N° VME

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### **Amendment 001**

This amendment is raised to provide industry with an updated version of RFI #F7047-190096/A.

Delete: RFI in its entirety

Insert: RFI as follows:

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## Wildlife Deterrence – Bird Hazing Buoy Request for Information (RFI)

### Table of Contents

1. Purpose
2. Background Information
3. Potential Work Scope and Constraints
4. Legislation, Trade Agreements and Government Policies
5. Schedule
6. Important Notes to Respondents
7. Closing Date for the LOI/RFI

### List of Annexes:

Annex A High Level Requirements  
Annex B Requested Information

### 1. Purpose:

The Canadian Coast Guard (CCG) may be acquiring Bird Hazing Buoys, and is seeking information on buoys that are designed to track with an oil slick and emit a variety of high intensity sounds. The Bird Hazing Buoys will be one of the various deterrent techniques employed to move wildlife from locations that are in the predicted pathway of spilled oil and to deter wildlife from entering areas that have previously been oiled.

The purpose of this Request for Information (RFI) is to request that interested companies provide feedback and recommendations regarding the requirement as well as to answer the related questions posed herein.

The objectives of this RFI are to:

- a) Provide Industry with general information on the potential scope of work, requirements, and provisions of a contract, or contracts, for bird hazing buoys;
- b) Enable Canada to request information and input from industry regarding the scope of work (please refer Annexes A and B of this RFI); and
- c) Enable Canada to progress a potential solicitation (or solicitations) for this work.

## 2. Background Information:

The Environmental Response Equipment (ERE) Program for the Canadian Coast Guard (CCG) forms part of the Oceans Protection Plan announced in November 2016. Under the ERE Program, CCG is renewing its suite of environmental response (ER) equipment, ensuring a robust and strategic national response capability. The ERE Program is modernizing ER equipment with new technology for strategic ER locations across Canada.

To learn how to find and bid on CCG's ERE procurements, please visit the BuyAndSell.gc.ca website. All notices (RFPs, RFIs, etc.) related to the ERE Program will have titles that begin with "EREP:" in order to be easily identified.

## 3. Potential Work Scope and Constraints:

A contract or multiple contracts for the provision of bird hazing buoys and associated work may be entered into with a single organization or multiple organizations as a result of a potential future solicitation or potential future solicitations. A description of the intended use of the bird hazing buoys is provided in Annex A of the RFI. The Work may include some or all of the following:

- Provisions of approximately 21 buoys;
- Provision of manuals and other supporting documents;
- Provision of spares; and
- All systems to be manufactured and delivered to multiple locations across Canada by late summer, early fall 2021.

## 4. Legislation, Trade Agreements, and Government Policies:

The following list is indicative of some of the legislation, trade agreements, and government policies that could impact any follow-on solicitations for bird hazing buoys:

- a) North American Free Trade Agreement (NAFTA), World Trade Organization – Agreement on Government Procurement (WTO-AGP), Canada Free Trade Agreement (CFTA), Canada-European Union Comprehensive Economic and Trade Agreement (CETA) and the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) may apply to follow-on solicitations;
- b) Defence Production Act: will not apply to follow-on solicitations;
- c) Industrial and Technological Benefits (ITBs): ITBs will not apply to follow-on solicitations;
- d) Controlled Goods Program (CGP): the CGP may not apply to follow-on solicitations
- e) Federal Contractors Program for Employment Equity (FCP-EE): the FCP-EE will apply to follow-on solicitations; and,
- f) Comprehensive Land Claim Agreements (CLCAs): CLCAs may apply to follow-on solicitations.

Request for Information No./  
N° de demande d'information  
F7047-190096/A

Amd. No. - N° de la modif.  
001

Buyer ID - Id de l'acheteur  
011erd

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

File No. - N° du dossier F7047-190096

CCC No./N° CCC - FMS No./N° VME

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## 5. Schedule:

In providing responses, the following schedule should be utilized as a baseline:

- a) This RFI: June 2020
- b) Potential Solicitation(s): August 2020
- c) Potential Contract Award(s): October 2020

## 6. Important Notes to Respondents:

### 6.1 Submitting the Response:

Interested respondents may submit their responses to the PWGSC Contracting Authority identified below: Canada prefers to receive responses by email (no more than 5MB).

The Contracting Authority for the Contract is:

Marc Béland  
Supply Specialist  
Marine Navigation and Remediation Division | Marine Services & Small Vessels Sector  
Acquisitions Branch  
Public Services and Procurement Canada | Government of Canada  
Marc.Beland@tpsgc-pwgsc.gc.ca | 819-712-8714

### 6.2 Format of the Response:

Respondents are asked to provide their response to this RFI as a PDF document that is unprotected (no password required). Responses should include a cover page that includes: the RFI Solicitation number, the full legal name of the Respondent, and the date. Responses should also include a point of contact for the Respondent (name, address, telephone number and email). Respondents are requested to use a numbering system in their response that corresponds with the numbering system in Annex B of this RFI.

### 6.3 Treatment of the Response:

Responses will not be formally evaluated. However, Canada may use the information in planning a potential solicitation (or solicitations) for the Work described herein. Canada will review all responses received by the RFI closing date. Canada may, at its discretion, review responses received after the RFI closing date.

A review team composed of representatives of the Government of Canada will review the responses. Canada reserves the right to hire any independent consultant, or use any Government resource which it deems necessary to review any response. Not all members of the review team will necessarily review all responses.

Canada may, at its discretion, contact any Respondent to follow up with additional questions or for clarification of any aspect of a response. Canada may share a draft of a potential RFP or portion (s) thereof with respondents for their feedback, once the drafts are ready. Canada may also publish further RFIs related to this initiative.

Responses will not be returned to the Respondents.

Request for Information No./  
N° de demande d'information  
F7047-190096/A

Amd. No. - N° de la modif.  
001

Buyer ID - Id de l'acheteur  
011erd

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

File No. - N° du dossier F7047-190096

CCC No./N° CCC - FMS No./N° VME

---

#### 6.4 Other Important Notes:

Changes to this RFI may occur and will be advertised on the BuyAndSell.gc.ca website. Canada asks Respondents to visit BuyAndSell.gc.ca regularly to check for changes, if any.

This RFI is neither a call for tender nor a Request for Proposal (RFP). No agreement or contract will be entered into based on this RFI. The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. This RFI is not to be considered as a commitment to issue a subsequent solicitation(s) or award contract(s) for the work described herein.

Respondents are encouraged to identify, in the information they share with Canada, any information that they feel is proprietary, third party or personal information. Please note that Canada may be obligated by law (e.g. in response to a request under the Access of Information and Privacy Act) to disclose proprietary or commercially-sensitive information concerning a respondent (for more information: <http://laws-lois.justice.gc.ca/eng/acts/a-1/>).

Respondents are asked to identify if their response, or any part of their response, is subject to the Controlled Goods Regulations.

Participation in this RFI is encouraged, but is not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

Respondents will not be reimbursed for any cost incurred by participating in this RFI.

#### **7. Closing date for the RFI:**

Responses to this RFI are to be submitted to the PWGSC Contracting Authority identified above, on or before July 13, 2020 at 2:00 pm EST.

**ANNEX A**  
**HIGH LEVEL REQUIREMENTS**

The Canadian Coast Guard (CCG) may be acquiring Bird Hazing Buoys, and is seeking information on buoys that are designed to track with an oil slick and emit a variety of high intensity sounds. The Bird Hazing Buoys will be one of the various deterrent techniques employed to move wildlife from locations that are in the predicted pathway of spilled oil and to deter wildlife from entering areas that have previously been oiled.

The Bird Hazing Buoy should satisfy the following requirements:

- [R1] Designed to track with an oil slick when floating untethered.
- [R2] Can be anchored in currents of up to three (3) knots.
- [R3] Can be mounted on land.
- [R4] Can be mounted on a vessel.
- [R5] Can withstand a minimum 10 metre drop into water without sustaining damage and while remaining fully operational.
- [R6] Can withstand impacts from debris such as branches, slush ice, etc. when dropped from a vessel at maximum drop height (see [R5]) and while drifting/anchored (see [R2]).
- [R7] Emits a variety of sounds designed to deter birds.
- [R8] Sound intensity is adequate to deter birds within a radius of 1.5 kilometres about the buoy.
- [R9] Is of a high-visibility colour.
- [R10] Includes a light that is compliant with IALA requirements.
- [R11] Has a Global Navigation Satellite System (GNSS) to monitor and locate the device.

Request for Information No./  
N° de demande d'information  
F7047-190096/A

Amd. No. - N° de la modif.  
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Client Ref. No. - N° de réf. du client

File No. - N° du dossier F7047-190096

CCC No./N° CCC - FMS No./N° VME

---

- [R12] Has a minimum continuous operational duration of 72 hours, through day and night, without need for operator intervention (e.g. to recharge, re-program, etc.).
- [R13] Can function under exposure to any combination of sun, wind, rain, snow, and sleet.
- [R14] Includes a deployment and retrieval mechanism (e.g. handle, net, or retrieval pole)

The Bird Hazing Buoy should be supplied in a carrying case that satisfies the following requirements:

- [R15] Is waterproof as defined by meeting an IP67 rating in accordance with IEC EN 60529 International IEC 60529 – Ingress Protection.
- [R16] Has dimensions which allows transport as cargo in CCG Bell 429 Helicopters. Maximum case dimensions are 48" wide x 48" longitudinal x 42" tall. Maximum floor loading 55 lbs / sq. ft..
- [R17] Includes lifting features to facilitate manual lifting by two people.
- [R18] Include two (2) or more tie down fixtures for securing during transit.

**ANNEX B**  
**REQUESTED INFORMATION**

**Available Products**

- Q1.** Do you sell a commercial-off-the-self (COTS) Bird Hazing Buoy that meets all requirement listed in Annex A? What is its rough-order-of-magnitude (ROM) cost per unit?
- Q2.** Do you sell a COTS product that does not meet one or more of the requirements listed in Annex A, but can be modified to meet the requirements? If so, please provide details on the modification(s) that would be required, and the product's ROM cost per unit.
- Q3.** Do you sell a COTS Bird Hazing Buoy that cannot meet one or more of the requirements listed in Annex A, even with additional feature/equipment? If so, please list the requirements that cannot be met.
- Q4.** Can you design and manufacture a product that meets the requirements listed in Annex A? What would be the product's estimated rough-order-of-magnitude cost per unit?

**Operational Conditions**

- Q5.** What is the highest sea state (Beaufort) condition in which the buoy can be safely deployed?
- Q6.** What is the highest sea state (Beaufort) condition in which the buoy can function?
- Q7.** In what range of water temperatures can the Buoy function?
- Q8.** In what range of ambient air temperatures can the Buoy function?
- Q9.** In what range of ambient air temperature can the Buoy be stored?
- Q10.** In what range of ambient air temperatures can the case function?

### Additional Features

**Q11.** Can a solar panel be included with the buoy for charging? If so, provide details on charging capacity it would add, e.g. added hours of operational life (battery life) per hour of charging. Also provide details on which operational scenarios the solar panel could be deployed in, e.g. can it be dropped with the buoy, can it be deployed only while the buoy is anchored, only while mounted on land/vessel, etc.?

### Functional Maximums

- Q12.** What is the maximum current speed, in knots, in which the buoy can be anchored?
- Q13.** How many distinct sounds does the buoy emit, for what duration, and at what interval(s)? Please list and describe the sounds that the buoy can emit.
- Q14.** Within what radius is the buoy effective in deterring birds? What is the maximum sound intensity level, in decibels, that the Bird Hazing Buoy can emit?
- Q15.** What is the total mass of the buoy including any accessories?
- Q16.** From what maximum height can the buoy be dropped into water without sustaining damage and while remaining fully operational? What is the recommended drop height for normal usage?
- Q17.** What ingress protection level is the buoy rated to in accordance with IEC EN 60529 – Ingress Protection (e.g. IP67)? If not rated to IEC EN 60529 – Ingress Protection, to what depth and for what length of time can the buoy be submerged without sustaining damage?
- Q18.** What is the maximum continuous operational life (battery life), in hours, of the buoy once deployed?

Request for Information No./  
N° de demande d'information  
F7047-190096/A

Amd. No. - N° de la modif.  
001

Buyer ID - Id de l'acheteur  
011erd

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

File No. - N° du dossier F7047-190096

CCC No./N° CCC - FMS No./N° VME

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### **Storage Fife / Maintenance Intervals**

**Q19.** What is the maximum length of time that the buoy can be stored without needing maintenance, including recharging the battery? What is the maximum length of time that the buoy can be stored without needing maintenance other than recharging the battery?

### **Mounting Arrangement**

**Q20.** What arrangements for mounting on land and on a vessel are provided?

### **General Feedback**

**Q21.** Please provide any further information you believe Canada should consider in its plans for a potential follow-on solicitation for Bird Hazing Buoys.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**