



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

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**

**11 Laurier St. / 11, rue Laurier  
Place du Portage, Phase III  
Core 0B2 / Noyau 0B2**

**Gatineau**

**Québec**

**K1A 0S5**

**Bid Fax: (819) 997-9776**

**Request For a Standing Offer  
Demande d'offre à commandes**

National Individual Standing Offer (NISO)

Offre à commandes individuelle nationale (OCIN)

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

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

**Comments - Commentaires**

**Vendor/Firm Name and Address**

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

**Issuing Office - Bureau de distribution**

Electronics, Simulators and Defence Systems Div.  
/Division des systèmes électroniques et des systèmes de  
simulation et de défense  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

<b>Title - Sujet</b> STANDING OFFER FOR RACONS FOR CCG	
<b>Solicitation No. - N° de l'invitation</b> F7047-160018/A	<b>Date</b> 2017-01-11
<b>Client Reference No. - N° de référence du client</b> F7047-160018	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$QF-103-26131
<b>File No. - N° de dossier</b> 103qf.F7047-160018	<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 2017-02-08</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST	
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Eddy, Kathie	<b>Buyer Id - Id de l'acheteur</b> 103qf
<b>Telephone No. - N° de téléphone</b> (819)420-1747 ( )	<b>FAX No. - N° de FAX</b> (819)956-5650
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF FISHERIES AND OCEANS ATTN: ROCCO MASO, CENTENNIAL TOWERS 200 KENT STREET, 7W101 OTTAWA Ontario K1A0E6 Canada	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## **PART 1 - GENERAL INFORMATION**

### **1. Introduction**

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

- Part 1            General Information: provides a general description of the requirement;
- Part 2            Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3            Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4            Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5            Certifications: includes the certifications to be provided;
- Part 6            Financial and Insurance Requirements: includes specific requirements that must be addressed by offerors; and
- Part 7            7A, Standing Offer, and 7B, Resulting Contract Clauses:
  - 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
  - 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The attachments include the Pricing Schedule, the Statement of Work, the Performance Specification, sample PWGSC-TPSGC 942, Call-up Against a Standing Offer form, Racon Evaluation Framework and the Phased Bid Compliance Process.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT). The World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-Peru Free Trade Agreement (CPGTA) and the Canada-Chile Free Trade Agreement (CCFTA) do not apply due to the nature of the requirement.

### **2. Summary**

The Canadian Coast Guard (CCG) has a requirement to procure Radar Beacons (racons).

Public Works and Government Services Canada (PWGSC) intends to put in place a two (2) year National Individual Standing Offer (NISO), with one (1) additional one (1) year option period, to procure the required Radar Beacons.

As per the Integrity Provisions under section 01 of Standard Instructions 2006 and 2007, offerors must provide a list of all owners and/or Directors and other associated information as required. Refer to section 4.21 of the Supply Manual for additional information on the Integrity Provisions.

The requirement is subject to a preference for Canadian goods and/or services.

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### **3. Security Requirement**

There is no security requirement associated with this requirement.

### **4. Debriefings**

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

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## PART 2 - OFFEROR INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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

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

Subsection 5.4 of 2006, Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

### 2. Submission of Offers

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the Request for Standing Offers.

### 3. 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 FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror 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 offer 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 major 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 Offeror a FPS in receipt of a pension? **YES** ( ) **NO** ( )

If so, the Offeror must provide the following information, for all FPS 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, Offerors agree that the successful Offeror'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 Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **YES** ( ) **NO** ( )

If so, the Offeror 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.

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#### **4. Enquiries - Request for Standing Offer**

All enquiries must be submitted in writing to the Standing Offer Authority no later than **ten (10)** calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

#### **5. Applicable Laws**

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

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

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## **PART 3 - OFFER PREPARATION INSTRUCTIONS**

### **1. Offer Preparation Instructions**

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

Section I: Technical Offer (three (3) hard copies and two (2) soft copies on CD);  
Section II: Financial Offer (one (1) hard copy and one (1) soft copy on CD);  
Section III: Certifications (one (1) hard copy)

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

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, offerors should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Offer**

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

#### **Section II: Financial Offer**

The offeror must submit their financial offer in accordance with Schedule 1 - Pricing Schedule. The total amount of Applicable Taxes must be shown separately.

#### **Exchange Rate Fluctuation**

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

#### **Section III: Certifications**

The offeror must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **1. Evaluation Procedures**

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.
- (c) The evaluation team will determine first if there are two or more offers with a valid Canadian Content certification. In that event, the evaluation process will be limited to the offers with the certification; otherwise, all offers will be evaluated. If some of the offers with a valid certification are declared non-responsive, or are withdrawn, and less than two responsive offers with a valid certification remain, the evaluation will continue among those offers with a valid certification. If all offers with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other offers received will be evaluated.

### **2. Evaluation Overview**

Canada is conducting a two-step bid evaluation process for this requirement. For details on the two-step process, refer to Annex E – Phased Bid Compliance Process.

### **3. Evaluation of Price**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP destination, shipping and handling, Canadian customs duties and excise taxes included.

All offerors are to provide pricing in Canadian currency.

**Reference Annex “D” - Evaluation Plan for further details.**

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## PART 5 - CERTIFICATIONS

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

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

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

### 1. Certifications Required with the Offer

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

#### 1.1 Integrity Provisions - Declaration of Convicted Offences

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

#### 1.2 Additional Certifications Required with the Offer

##### 1.2.1 Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the request for standing offer, offerors acknowledge that only offers for items with a certification that the item(s) offered are Canadian goods, as defined in clause [A3050T](#), may be considered.

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

- Offerors must clearly identify beside each item listed in the request for standing offer document which items meet the definition of Canadian good and complete the following certification.

The Offeror certifies that:

( ) the item(s) offered and identified as Canadian goods are Canadian goods as defined in paragraph 1 of clause [A3050T](#).

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult [Annex 3.6.\(9\)](#), Example 2, of the *Supply Manual*.

### 1.2.1.1 Canadian Content Definition

**1. Canadian good:** A good wholly manufactured or originating in Canada is considered a Canadian good. A product containing imported components may also be considered Canadian for the purpose of this policy when it has undergone sufficient change in Canada, in a manner that satisfies the definition specified under the North American Free Trade Agreement (NAFTA) Rules of Origin. For the purposes of this determination, the reference in the NAFTA Rules of Origin to "territory" is to be replaced with "Canada".(Consult Annex 3.6 (9) of the *Supply Manual*.)

**2. Canadian service:** A service provided by an individual based in Canada is considered a Canadian service. Where a requirement consists of only one service, which is being provided by more than one individual, the service will be considered Canadian if a minimum of 80 percent of the total bid price for the service is provided by individuals based in Canada.

**3. Variety of goods:** When requirements consist of more than one good, one of the two methods below is applied:

- a. aggregate evaluation: no less than 80 percent of the total bid price must consist of Canadian goods; or,
- b. item by item evaluation: in some cases, the bid evaluation may be conducted on an item-by-item basis and contracts may be awarded to more than one supplier. In these cases, suppliers will be asked to identify separately each item that meets the definition of Canadian goods.

**4. Variety of services:** For requirements consisting of more than one service, a minimum of 80 percent of the total bid price must be provided by individuals based in Canada.

**5. Mix of goods and services:** When requirements consist of a mix of goods and services, no less than 80 percent of the total bid price must consist of Canadian goods and services (as defined above).

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult Annex 3.6 (9), Example 2, of the *Supply Manual*.

**6. Other Canadian goods and services:** Textiles: Textiles are considered to be Canadian goods according to a modified rule of origin, copies of which are available from the Clothing and Textiles Division, Commercial and Consumer Products Directorate.

## 2. Additional Certifications Precedent to the Issuance of a Standing Offer and Additional Information

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

### 2.1 Federal Contractors Program for Employment Equity - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list ) available at the bottom of the page of the [Employment and Social Development Canada-Labour's](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) website ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)).

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP

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Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

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## PART 6 - FINANCIAL REQUIREMENTS

### 1. Financial Capability

**1.1 Financial Capability Requirement:** The Offeror must have the financial capability to fulfil this requirement. To determine the Offeror's financial capability, the Standing Offer Authority may, by written notice to the Offeror, require the submission of some or all of the financial information detailed below during the evaluation of offers. The Offeror must provide the following information to the Standing Offer Authority within fifteen (15) working days of the request or as specified by the Standing Offer Authority in the notice:

- a. Audited financial statements, if available, or the unaudited financial statements (prepared by the Offeror's outside accounting firm, if available, or prepared in-house if no external statements have been prepared) for the Offeror's last three fiscal years, or for the years that the Offeror has been in business if this is less than three years (including, as a minimum, the Balance Sheet, the Statement of Retained Earnings, the Income Statement and any notes to the statements).
- b. If the date of the financial statements in (a) above is more than five months before the date of the request for information by the Standing Offer Authority, the Offeror must also provide, unless this is prohibited by legislation for public companies, the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement), as of two months before the date on which the Standing Offer Authority requests this information.
- c. If the Offeror has not been in business for at least one full fiscal year, the following must be provided:
  - i. the opening Balance Sheet on commencement of business (in the case of a corporation, the date of incorporation); and
  - ii. the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement) as of two months before the date on which the Standing Offer Authority requests this information.
- d. A certification from the Chief Financial Officer or an authorized signing officer of the Offeror that the financial information provided is complete and accurate.
- e. A confirmation letter from all of the financial institution(s) that have provided short-term financing to the Offeror outlining the total of lines of credit granted to the Offeror and the amount of credit that remains available and not drawn upon as of one month prior to the date on which the Standing Offer Authority requests this information.

**1.2** If the Offeror is a joint venture, the financial information required by the Standing Offer Authority must be provided by each member of the joint venture.

**1.3** If the Offeror is a subsidiary of another company, then any financial information in 1. (a) to (e) above required by the Standing Offer Authority must be provided by the ultimate parent company. Provision of parent company financial information does not satisfy the requirement for the provision of the financial information of the Offeror, and the financial capability of a parent cannot be substituted for the financial capability of the Offeror itself unless an agreement by the parent company to sign a Parental Guarantee, as drawn up by Public Works and Government Services Canada (PWGSC), is provided with the required information.

**1.4 Financial Information Already Provided to PWGSC:** The Offeror is not required to resubmit any financial information requested by the Standing Offer Authority that is already on file at PWGSC with the Contract Cost Analysis, Audit and Policy Directorate of the Policy, Risk, Integrity and Strategic Management Sector, provided that within the above-noted time frame:

- A. the Offeror identifies to the Standing Offer Authority in writing the specific information that is on file and the requirement for which this information was provided; and

B. the Offeror authorizes the use of the information for this requirement.

It is the Offeror's responsibility to confirm with the Standing Offer Authority that this information is still on file with PWGSC.

**1.5 Other Information:** Canada reserves the right to request from the Offeror any other information that Canada requires to conduct a complete financial capability assessment of the Offeror.

**1.6 Confidentiality:** If the Offeror provides the information required above to Canada in confidence while indicating that the disclosed information is confidential, then Canada will treat the information in a confidential manner as permitted by the Access to Information Act, R.S., 1985, c. A-1, Section 20(1) (b) and (c).

**1.7 Security:** In determining the Offeror's financial capability to fulfil this requirement, Canada may consider any security the Offeror is capable of providing, at the Offeror's sole expense (for example, an irrevocable letter of credit from a registered financial institution drawn in favour of Canada, a performance guarantee from a third party or some other form of security, as determined by Canada).

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## **PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**

### **A. STANDING OFFER**

#### **1. Offer**

The Offeror offers to fulfil the requirement in accordance with the Statement of Work at Annex A and the Performance Specifications at Annex B.

#### **2. Security Requirement**

There is no security requirement associated with this requirement.

#### **3. Standard Clauses and Conditions**

All clauses and conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

##### **3.1 General Conditions**

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

##### **3.2 Standing Offer Reporting**

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card. The report will include, but not be limited to, the client issued Call-up Number, the item(s) ordered, quantity of each item ordered, the value of each Call-up and any comments regarding the individual Call-up.

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

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

The quarterly reporting periods are defined as follows:

1st quarter: April 1 to June 30;

2nd quarter: July 1 to September 30;

3rd quarter: October 1 to December 31;

4th quarter: January 1 to March 31.

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

---

#### **4. Term of Standing Offer**

##### **4.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer is for two (2) years from the date of award of Standing Offer, \_\_\_\_\_ (*dates to be inserted after Standing Offer award*).

##### **4.2 Extension of Standing Offer**

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for one (1) additional one (1) year period, from \_\_\_\_\_ to \_\_\_\_\_ (*dates to be inserted after Standing Offer award*). All terms and conditions remain the same, but the pricing will be subject to negotiation prior to its use beyond the initial period.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority ninety (90) days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

##### **4.3 Delivery Points**

Delivery of the requirement will be made to delivery points specified in Schedule 1 – Pricing Schedule of the Standing Offer.

#### **5. Authorities**

##### **5.1 PWGSC Standing Offer Authority**

The PWGSC Standing Offer Authority is:

Public Works and Government Services Canada  
Acquisitions Branch  
Land and Aerospace Equipment Procurement and Support Sector  
11 Laurier Street, Place du Portage III, 8C2, Gatineau, QC K1A 0S5 Canada  
Attention: Kathie Eddy  
Telephone: 819-420-1747  
Facsimile: 819-956-5650  
E-mail: kathie.eddy@tpsgc-pwgsc.gc.ca

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

##### **5.2 Project Authority**

The Project Authority for the Standing Offer is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_\_

Solicitation No. - N° de l'invitation  
F7047-160018/001/QF  
Client Ref. No. - N° de réf. du client  
F7047-160018/A

Amd. No. - N° de la modif.  
File No. - N° du dossier  
103qf7047-160018

Buyer ID - Id de l'acheteur  
103qf  
CCC No./N° CCC - FMS No./N° VME

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

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

### 5.3 CCG Requisition Authority

The CCG Requisition Authority for the Standing Offer is:

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

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

The CCG Requisition Authority is responsible for reviewing and approving each Call-up, within the CCG delegation of authority, prior to issuance to the Standing Offer holder.

### 5.4 Offeror's Representative

**General Enquiries and Delivery Follow-up:** *(to be completed after Standing Offer award)*

Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail: \_\_\_\_\_

### 6. Identified Users

The Identified User authorized to make call-ups against the Standing Offer is the **Canadian Coast Guard**.

All call-ups against the Standing Offer will be generated by the **CCG Requisition Authority**.

### 7. Call-up Procedures

The CCG regional representative will prepare the Call-up document and submit to the CCG Requisition Authority for authorization, up to \$25,000.00 CAD (Goods and Services Tax or Harmonized Sales Tax included). The Call-up will then be forwarded to the supplier by e-mail, with a c.c. to the PWGSC Standing Offer Authority.

Any call up over the \$25,000.00 CAD (Goods and Services Tax or Harmonized Sales Tax included) limit must also be approved by the PWGSC Standing Offer Authority, as well as the CCG Requisition Authority, prior to submitting to the supplier.

## 8. Call-up Instrument

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

## 9. Limitation of Call-ups

Call-ups above **\$25,000.00 CAD** (Goods and Services Tax or Harmonized Sales Tax included) will be authorized by the Standing Offer Authority in accordance with the departmental delegation of authority.

Individual Call-ups shall not exceed **\$1,000,000.00 CAD** (Goods and Services Tax or Harmonized Sales Tax included).

## 10. Financial Limitation - Total

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the sum of **\$2,100,000.00 CAD** (Goods and Services Tax or Harmonized Sales Tax included) unless otherwise authorized in writing by the PWGSC Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the PWGSC Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or 4 months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the PWGSC Standing Offer Authority.

## 11. Priority of Documents

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

- a) the call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer, including its schedules;
- c) the general conditions 2005 (2016-04-04), General Conditions - Standing Offers - Goods or Services;
- d) the general conditions 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- e) the supplemental general conditions 4001 (2015-04-01), Hardware Purchase, Lease and Maintenance;
- f) Annex A, Statement of Work;
- g) Annex B, Performance Specifications;
- h) the Offeror's offer dated \_\_\_\_\_ (*insert date of offer*).

## 12. Certifications

### 12.1 Compliance

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

Solicitation No. - N° de l'invitation  
F7047-160018/001/QF  
Client Ref. No. - N° de réf. du client  
F7047-160018/A

Amd. No. - N° de la modif.  
File No. - N° du dossier  
103qf7047-160018

Buyer ID - Id de l'acheteur  
103qf  
CCC No./N° CCC - FMS No./N° VME

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### **13. Applicable Laws**

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

## **B. RESULTING CONTRACT CLAUSES**

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

### **1. Statement of Work**

The Contractor must provide the items or perform the Work described in the call-up against the Standing Offer.

### **2. Standard Clauses and Conditions**

#### **2.1 General Conditions**

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

At para 09 (2014-09-25) Warranty

Delete: 12 months  
Insert: 60 months

#### **2.2 Supplemental General Conditions**

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

Delete: 05 (2008-05-12) Installation, Integration and Configuration.

### **3. Term of Contract**

#### **3.1 Delivery Date**

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

### **4. Payment**

#### **4.1 Basis of Payment - Firm Unit Prices**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in Schedule 1. Customs duties, shipping and freight are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

#### **4.2 Limitation of Price**

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 Standing Offer Authority before their incorporation into the Work.

#### **4.3 Method of Payment - 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; and

(c) the Work delivered has been accepted by Canada.

#### **4.4 Discretionary Audit - Non-commercial Goods and/or Services**

The estimated amount of profit included in the Contractor's price or rate certification is subject to audit by Canada, before or after payment is made to the Contractor under the conditions of the Contract. The purpose of the audit would be to determine whether the actual profit earned on a single contract if only one exists, or the aggregate of actual profit earned by the Contractor on a series of negotiated firm price and fixed-time rate contracts performed during a particular period selected, is reasonable and justifiable based on the estimated amount of profit included in earlier price or rate certification(s). If the audit demonstrates that the actual profit is not reasonable and justifiable, as defined above, the Contractor must repay Canada the amount found to be in excess.

### **5. Invoicing Instructions**

**5.1** 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.

**5.2** Invoices must be distributed as follows:

(a) The original and one (1) copy must be forwarded to:

Canadian Coast Guard  
200 Kent Street  
Ottawa, Ontario, Canada K1A 0E6  
Station: \_\_\_\_\_  
Attention: \_\_\_\_\_ (to be inserted after Standing Offer award)  
for certification and payment;

(b) One (1) copy must be forwarded to the appropriate consignee(s) and;

(c) One (1) copy must be forwarded to the Standing Offer Authority.

### **6. Delivery, Inspection and Acceptance**

#### **6.1 Excess Goods**

The quantity of goods to be delivered by the Contractor is specified in the call-up against the Standing Offer. The Contractor remains liable for any shipment in excess of that quantity whether the excess quantity is shipped voluntarily or as a result of an error by the Contractor. Canada will not make any payment to the Contractor for goods shipped in excess of the specified quantity. Canada will not return the said goods to the Contractor unless the Contractor agrees to pay for all the costs related to the return, including but not limited to administrative, shipping and handling costs. Canada will have the right to deduct such costs from any invoice submitted by the Contractor.

## **6.2 Incomplete Assemblies**

The Contractor must not ship incomplete assemblies unless the authorization for such shipment has been obtained before from the Contracting Authority.

## **6.3 Shipping and Packaging**

Units shall be individually wrapped in a Styrofoam and desiccant, with a hard cardboard exterior capable of withstanding normal shipping hazards, in addition to being suitable for storage up to one (1) year.

Packaging shall have outer labels containing the following information:

- Equipment designation;
- Model Number and descriptor;
- Serial Number;
- Weight of Contents (kg);
- Manufacturer Name; and
- Date of Manufacturer.

## **6.4 Inspection and Acceptance**

The Consignee at destination is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

## **7. Shipping Instructions - Delivery at Destination**

Goods must be consigned to the destination specified in the Call-up and delivered:

Delivered Duty Paid (DDP), (destination address to be included in the Call-up), Incoterms 2000 for shipments from a commercial contractor.

The Contractor must ship the goods prepaid, including all delivery charges to (destination address to be included in the Call-up). Prepaid transportation costs must be shown as a separate item on the invoice, supported by a certified copy of the prepaid transportation bill of lading.

## **8. Use and Translation of Written Material**

- 8.1.** Unless provided otherwise in the Contract, copyright in any written material used, produced or delivered under the Contract belongs to its author or rightful owner. Canada has the right to use, copy and disclose, for government purposes, the written material related to the Work that is delivered to Canada.
- 8.2.** If the Contract does not require the delivery of any written material in both of Canada's official languages, Canada may translate the written material into the other official language. The Contractor acknowledges that Canada owns the rights on the translation and that Canada is under no obligation to provide the translation to the Contractor. Canada agrees that any translation must include any copyright and any proprietary right notice that was part of the

Solicitation No. - N° de l'invitation  
F7047-160018/001/QF  
Client Ref. No. - N° de réf. du client  
F7047-160018/A

Amd. No. - N° de la modif.  
File No. - N° du dossier  
103qf7047-160018

Buyer ID - Id de l'acheteur  
103qf  
CCC No./N° CCC - FMS No./N° VME

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original. Canada acknowledges that the Contractor is not responsible for any technical errors or other problems that may arise as a result of the translation.

**Schedule 1 – Pricing Schedule**  
**Radar Beacons (Racons)**

<b>Item Description</b>	<b>Part Number</b>	<b>Delivery Location</b>	<b>Year 1 Pricing</b>	<b>Year 2 Pricing</b>	<b>Option Year Pricing</b>
Radar Beacons - Including Documentation as per para. 2.2 of Annex A - Statement of Work		Canadian Coast Guard 101, boul. Champlain Quebec City, Quebec G1K 7Y7	\$	\$	\$
		Canadian Coast Guard 401 King Street Prescott, Ontario K0E 1T0	\$	\$	\$
		Canadian Coast Guard Regional Headquarters 50 Discovery Drive Dartmouth, NS B2Y 3Z8	\$	\$	\$
		Canadian Coast Guard Base Charlottetown 185 John Yeo Drive Charlottetown, PEI C1E 3J3	\$	\$	\$
		Canadian Coast Guard 280 Southside Road St. John's, NL A1C 5X1	\$	\$	\$
		Canadian Coast Guard 17 Huron Street Victoria, BC V8V 4V9	\$	\$	\$



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne

EKME #3280613V3A

## Integrated Technical Services



Safety First, Service Always



# Radar Beacon (racon)

*Statement of Work*

Published under the Authority of:  
Integrated Technical Services Directorate  
Fisheries and Oceans Canada  
Canadian Coast Guard  
Ottawa Ontario, K1A 0E6

<http://cgc-gcc.ncr.dfo-mpo.gc.ca/>

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# EDITION, MONTH, YEAR  
DISPONIBLE EN FRANÇAIS: BALISE RADAR – ÉNONCÉ DES TRAVAUX  
**MGCE 3426462**

### Record of Amendments

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2.0	Nov 2014	Second Edition	RM
3.0	Jan 2015	Third Edition	RM
4.0	July 2016	Fourth Edition	RM
5.0	Oct 2016	Fifth Edition	RM

### Approvals

Office of Primary Interest (OPI)	Rocco Maso	Approved: Date:
Asset Class Manager-ACM Aids to Navigation	Henry Latchman	Approved: Date:
Director, Maritime and Civil Infrastructure, Environmental Response (MCI/ER)	Tom Montor	Approved: Date:

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## Document Management

### 1. Authority

This document is issued by the Director General, Integrated Technical Services, Canadian Coast Guard (CCG)'s National Technical Authority under delegation from the Deputy Minister, Fisheries and Oceans and the Commissioner of the CCG.

### 2. Responsibility

The National Project Manager for Fixed Aids is responsible for:

- i) the creation and promulgation of the document; and
- ii) the identification of an Office of Primary Interest (OPI) who is responsible for the coordination and the content of the document.

The OPI is responsible for:

- i) the validity and accuracy of the content;
- ii) the availability of this information;
- iii) the update as needed;
- iv) the periodical revision; and
- v) the follow-up of all requests, comments and/or suggestions received by the originator.

### 3. Inquiries and/or Revision Requests

All inquiries regarding this document, including suggestions for revision and requests for interpretation shall be addressed to:

National Project Manager – Fixed Aids  
200 Kent Street, Ottawa, Ontario, K1A 0E6

All requests should be clear, concise and reference the specific Section or Table.

## **Section 1 INTRODUCTION**

---

The Canadian Coast Guard (CCG) has a requirement for a Radar Transponder/Beacon (Racon) for navigational aids in navigational application for use in many parts of Canada. The units will be used as aids to navigation in the CCG's Atlantic, Central and Arctic and Western regions.

### **1.1 SPECIFICATIONS**

The Racon shall meet the technical requirements as outlined in the Annex B – Performance Specifications for Racons.

## **Section 2 SCOPE OF WORK**

---

### **2.1 REQUIREMENTS**

The purpose of this document is to ensure that all Racons used across Canada by the CCG adhere to the same standards.

The Contractor shall provide CCG with Racons on an “as-and-when requested” basis.

### **2.2 DOCUMENTATION**

The documents listed in section 2.2.1 shall be provided in the specified format, quantity, frequency and software. The media (i.e. CD, DVD, USB flash drive) will be specified at time of Call-up.

The Contractor shall supply at the time of delivery (for each unit delivered) the following in French and English languages.

- Current Configuration,
- Any configuration changes affecting the unit,
- Required Test Software,
- Bill of Lading,
- Quality Control (QC) checklist, and
- Documents listed in section 2.2.1, to every delivery point identified on the order.

The software shall be compatible with Microsoft Windows 7 and following version. The documentation format supplied shall be in either, Microsoft Word, Excel or PDF. The media shall be either a CD, DVD or USB stick at time of order.

#### **2.2.1 List of Documents to be provided**

1. Programming, Installation and Operation Instructions
2. Handling and Storage Instructions
3. Maintenance Plan and Maintenance Manual
4. Maintenance Utilities (i.e. any hardware, software, peripherals and documentation used to maintain the Racon during its service life).

## **2.3 CONFIGURATION CONTROL**

All Racons are subject to configuration control requirements to be established and maintained by the Contractor.

The configuration of each Racon shall be readily traceable to the relevant specification and revision level at time of acquisition. This constitutes the baseline information.

Each Racon subjected to a configuration change shall cause the Contractor to update the configuration control list to ensure that the Racon updated configuration is readily traceable to the new relevant specification, revision level or modification update. This constitutes the updated baseline information.

## **2.4 REQUIRED DOCUMENTATION UPON RACON DELIVERY**

All documents listed in section 2.2 and Appendix A shall be delivered with each Racon.

## Appendix A MANUFACTURER'S DELIVERY CHECKLIST

The Standing Offer Holder's Quality Control (QC) representative must fill in this checklist with the delivery of each RACON. The Standing Offer Holder can attach other data to supplement this list to ensure the best quality product to CCG.

**Manufacturer Name:** \_\_\_\_\_ **Date of Manufacture:** \_\_\_\_\_  
**RACON Serial Number:** \_\_\_\_\_ **RACON Model #:** \_\_\_\_\_  
**Inspector Name:** \_\_\_\_\_ **Inspector Signature:** \_\_\_\_\_  
**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Description	Units	Value	Comments
<b>Overall Dimensions Check</b>			
Overall Height (includes Adaptor Plate)	mm		
Body Diameter	mm		
<b>Racon Mounting Surface Check</b>			
Racon Mounting Surface Type	-	Flat <input type="checkbox"/> Convex <input type="checkbox"/>	
Bolt Circle Diameter (BCD) 200mm	mm	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Bolt Hole Diameter (16mm +/- 1mm)	mm	Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b>Racon Weight Check</b>			
Recorded Weight	kg		
Recorded Weight with Adaptor Plate (if provided)	kg		
<b>Racon Exterior Markings Check</b>			
Nameplate Information:			
1) Manufacturer Name		Yes <input type="checkbox"/> No <input type="checkbox"/>	
2) Model Number		Yes <input type="checkbox"/> No <input type="checkbox"/>	
3) Serial Number		Yes <input type="checkbox"/> No <input type="checkbox"/>	
4) Date of Manufacture		Yes <input type="checkbox"/> No <input type="checkbox"/>	
5) Rated Voltage/Amperage		Yes <input type="checkbox"/> No <input type="checkbox"/>	
6) Band Designation		Yes <input type="checkbox"/> No <input type="checkbox"/>	
7) NT Ready		Yes <input type="checkbox"/> No <input type="checkbox"/>	
8) Azimuth		Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b>Adaptor Mounting Plate Check</b>			
Adaptor Plate provided		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Adaptor Plate Bolt Hole Diameter (16mm)	mm		
<b>Miscellaneous Check</b>			
1) Racon is fully assembled on delivery		Yes <input type="checkbox"/> No <input type="checkbox"/>	
2) RS-232/USB cable included		Yes <input type="checkbox"/> No <input type="checkbox"/>	
3) Communication Box included		Yes <input type="checkbox"/> No <input type="checkbox"/>	
4) Software/CD included		Yes <input type="checkbox"/> No <input type="checkbox"/>	
5) Battery ready to use on delivery		Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b>Packaging Check</b>			
Desiccant Included	-	Yes <input type="checkbox"/> No <input type="checkbox"/>	



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne

EKME # 3678010

## Integrated Technical Services



Safety First, Service Always



# Radar Beacon (racon)

***Performance specification***

Published under the Authority of:  
Integrated Technical Services Directorate  
Fisheries and Oceans Canada  
Canadian Coast Guard  
Ottawa Ontario, K1A 0E6  
<http://intra.garde-cotiere.ca/ITS/Home>

2<sup>ND</sup> EDITION, NOVEMBER 2016

*Note: Older versions under EKME 3329464*

**DISPONIBLE EN FRANÇAIS: BALISE RADAR (RACON) – EXIGENCES DE RENDEMENT  
MGCE 3678013**

### **Record of Amendments**

<b>#</b>	<b>Date</b>	<b>Description</b>	<b>Initials</b>
<b>1.4</b>	2015-02	1 <sup>st</sup> edition (note document still has “draft” label)	LV
<b>1.8</b>	2015-08-07	1.1 Incorporation of Amendment 3 – 6	RM
<b>2</b>	2016-11	2 <sup>nd</sup> edition	ASt-L

### **Approvals**

Approval Signatures will be added here once scanned.  
Les signatures d'approbation seront ajoutées ici une fois numérisées.

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## **Document Structure Management**

### **1. Authority**

This document is issued by the Director General, Integrated Technical Services the National Technical Authority of the Canadian Coast Guard (CCG) under delegation from the Deputy Minister, Fisheries and Oceans and the Commissioner of the Canadian Coast Guard.

### **2. Responsibility**

The Director, Maritime and Civil Infrastructure and Environmental Response is responsible for:

- i) the creation and promulgation of the document; and
- ii) the identification of an Office of Primary Interest (OPI) who is responsible for the coordination and the content of the document.

The OPI is responsible for:

- i) the validity and accuracy of the content;
- ii) the availability of this information;
- iii) the update as needed;
- iv) the periodical revision; and
- v) the follow-up of all requests, comments and/or suggestions received by the originator.

### **3. Inquiries and/or Revision Requests**

All inquiries regarding this document, including suggestions for revision and requests for interpretation shall be addressed to:

Manager, Maritime and Civil Infrastructure  
Canadian Coast Guard  
200 Kent Street, Station 7W100  
Ottawa, Ontario  
K1A 0E6

All requests should be clear and concise; and reference the specific Section, Figure or Table.

## Section 1 INTRODUCTION

---

This document outlines the Canadian Coast Guard's (CCG) specifications for radar beacons (racons). This section is informative.

### 1.1 STATEMENT OF OPERATIONAL REQUIREMENTS

“Radar beacon (racon): A transmitter-receiver associated with a fixed navigational mark which, when triggered by a radar, automatically returns a distinctive signal which can appear on the display of the triggering radar, providing range, bearing and identification information.” (ITU, 2012)

This section describes in a general manner the needs of the Canadian Coast Guard (CCG) and conditions of operations for racons. As such this section makes no obligations on the part of manufacturers or bidders.

The CCG has a requirement for racons for use with both fixed and floating aids to navigation.

Racons are deployed in a harsh marine environment and are exposed to a wide range of ambient temperatures and humidity. They will be exposed to significant wind speeds, salt air, seawater spray, and ice loads. They will have continuous exposure to ultraviolet light that is typically encountered in the lower-to-mid Canadian latitudes. In heavy seas, racons may occasionally be immersed in seawater. They may be exposed to electromagnetic interference from radiating devices such as VHF radio as well as marine radar, and static discharges and induced, transient voltages that may occur because of nearby lightning strikes.

Once deployed, racons are left unattended for considerable periods of time. The CCG is looking for racons that operate under the specified conditions and have a minimum specified service life.

Racons will generally encounter shock and vibration when they are mounted on buoys as well as when they are transported on vessels to be deployed or retrieved.

## Section 2 APPLICABLE DOCUMENTS

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### 2.1 REFERENCED PUBLICATIONS, SPECIFICATIONS AND STANDARDS

The documents listed in this section form an integral part of the CCG requirements to the extent they are referenced in this Performance Specification.

- 2.1.1 ITU (International Telecommunication Union). 2013-02-01. *Recommendation ITU-R M.824-4 (02/2013) – Technical parameters of Radar Beacons*. (accessed 2016-07-08) <https://www.itu.int/rec/R-REC-M.824-4-201302-1/en>
- 2.1.2 IALA. *Recommendation R-101 – Recommendation on Marine Radar Beacons (Racons)*. Ed. 2 (2004-12). (accessed 2016-07-08) <http://www.iala-aism.org/products/publications/0407091215/maritime-radar-beacons-racons-r-101>
- 2.1.3 IEC (International Electrotechnical Commission). 2002-08-14. 60945:2002 Ed. 4 Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results. (accessed 2016-08-07) <https://webstore.iec.ch/publication/3959>
- 2.1.4 IEC 60529:1989+AMD1:1999+AMD2:2013 and CSV/COR2:2015 *Degrees of protection provided by enclosures (IP Code)*. (accessed 2016-07-08) <https://webstore.iec.ch/publication/2452>

### 2.2 OTHER REFERENCED DOCUMENTS

- 2.2.1 ITU. 2012. Radio regulations, Section IV. Radio Stations and Systems – Article 1.103, definition: radar beacon (racon).

### 2.3 ORDER OF PRECEDENCE

- 2.3.1 In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been made.

### **Section 3      COMPATIBILITY REQUIREMENTS FOR RACONS**

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The racon must comply with the following recommended racon Performance standards:

- 3.1 Recommendation ITU-R M.824-4 of the International Telecommunication Union – Technical parameters of Radar Beacons (racons)
- 3.2 Recommendation R-101 of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)– Recommendation on Marine Radar Beacons (racons)

## Section 4 PERFORMANCE REQUIREMENTS – ELECTRONICS

The following tables summarize both the mandatory and optional technical requirements. Mandatory requirements are presented in Table 1 and rated requirements in Table 2.

**Note:** *Racon*s are not regarded as ship borne equipment. As such, RSS-238 does not apply and racons do not require certification.

**Note:** *The RSS-GEN standard, under the Radiocommunication Act, RSC (1985), c. R-2, must be applied along with another RSS. In the specific case of the racon, no other RSS applies. Hence, RSS-GEN does not apply.*

**Table 1: Performance requirements – electronics**

ID	Item Description	Requirement or Value
4.1	Operating Frequency	a) X-band range
4.2		b) S-band range
4.3	Polarization	a) X-band
4.4		b) S-band
4.5	Time to detect pulse width	a) Minimum
4.6		b) Maximum
4.7	Response Time Delay	Maximum
4.8		a) Long Radar Pulses
4.9	Frequency Response Accuracy	± 1.5 MHz
4.10		b) Short Radar Pulses
4.11	Side Lobe Suppression (SLS)	± 3.5 MHz
		Dual Token SLS
4.12	System Sensitivity	-10 dBm to - 40 dBm
		-10 dBm to - 32 dBm

<sup>1</sup> There is contradiction between Annex Table 1, Recommendation R-101r1, December 2000 from IALA and the ITU-R M-824-4, although the IALA Standard refers to the ITU Standard. The industry standard is 9300 MHz to 9500 MHz.

RADAR BEACON (RACON)  
Performance requirements – electronics

ID	Item Description		Requirement or Value
4.13	Response Code	Programmable	Minimum 4 Morse code characters
4.14	Gain	X and S band range	0 dBi to 9 dBi
4.15	Output Power to Antenna	Range	0.5 W to 1.0 W
4.16	Blocking Period	Maximum	100 $\mu$ s
4.17	Vertical Divergence	X and S bands	10° or more at -3 dB points
4.18	Nominal Power Consumption	a) Standby	0.75 W
4.19		b) Active	1.00 W
4.20	Operation Power (Voltage)	Range	9 Vdc to 36 Vdc
4.21	Quiescent Period	Programmable	0 s to 60 s
4.22	Active Period	Programmable	6 s to 48 s
4.23	Response Scaling	Range	4 $\mu$ s to 38 $\mu$ s.
4.24	Duty Cycle	Programmable	ON from 4 s to 60 s and OFF from 0 s to 60 s
4.25	Duty Suppression	Required	The racon shall have duty suppression feature so that if no radar signals are detected in the first 4 seconds of a duty cycle the racon will sleep for the remainder of the duty cycle
4.26	Extended Duty Suppression	Required	Extended Duty Suppression shall be available as a user selected function to allow the racon to remain in sleep mode for more than one duty cycle.
4.27	Built-In-Test (BIT)	Required	BIT capability available

RADAR BEACON (RACON)  
Performance requirements – electronics

**Table 2: Rated performance requirements – electronics**

ID	Item Description	Selectable Yes or No	Requirement or Value
<b>4.28</b>	Proportional scaling	Selectable Yes or No	Feature to maintain a relatively constant racon image on the radar screen. Without this feature, every time the scale is changed for a longer range, the racon trace would be halved, progressively making it more difficult for the mariner to identify it at such.
<b>4.29</b>	Date calendar	Optional	Used to turn the unit ON and OFF for seasonal use applications.
<b>4.30</b>	NT Radar	Optional	Capacity to be activated by solid-state radar (NT Radar). Or capacity to be easily upgraded to meet this requirement in the future.  Def: The NT radar has continuous wave modulated in frequency (FM/CW), solid-state, low power and inexpensive which used digital signal processing techniques to mitigate display clutter associated with the conventional radars.
<b>4.31</b>		Optional	Returning radars to a manufacturer for refit  (IALA Recommendation e-NAV-146 On Strategy for Maintaining Racon Service Capability discusses NT radars does not offer guidance for radars. The methods for upgrading are not currently specified.)

## Section 5 PERFORMANCE REQUIREMENTS – OTHER TECHNICAL

Table 3 presents additional technical requirements that include both physical requirements and minimum service life. Sections 5.1, 5.3, 5.4, 5.5, 5.8, and 5.9 (with “\*”) also have associated rated components.

**Table 3: Performance requirements – other technical**

ID	Item Description	Requirement or Value
5.1	Communication port* <sup>2</sup>	Required A communication port, such as a serial interface, infrared device or other, used for external diagnostics, programming, and alarm outputs is required. A system built into the racon is a rated benefit (i.e. no external hardware to install or maintain).
5.2	Handling	Required Minimum of one handle for lifting and hoisting
5.3	Diameter*	Maximum 500 mm
5.4	Height*	Maximum 1000 mm
5.5	Weight*	Maximum 25 kg
5.6	Markings	Required The racon shall be identified with the following information, permanently engraved on a name plate and always visible. <ol style="list-style-type: none"> <li>1. Manufacturer Name</li> <li>2. Date of Manufacturer</li> <li>3. Model Number</li> <li>4. Serial number</li> <li>5. Rated Voltage/Amperage</li> <li>6. Band Designation</li> <li>7. NT Ready (yes/no)</li> </ol> All markings shall be legible for the entire racon service life.

<sup>2</sup> The CCG prefers models that are smaller and easier to maneuver.

RADAR BEACON (RACON)  
**Performance requirements – other technical**

ID	Item Description	Requirement or Value
<b>5.7</b>	Mounting	<p>The base of the unit shall either be equipped with the two bolting patterns, as follows (rated option):</p> <ol style="list-style-type: none"> <li>1. 4 holes, 16 mm ± 1 mm diameter bolt holes, equally spaced on a 200mm diameter bolt circle; and,</li> <li>2. 3 holes, x 16 mm ± 1 mm diameter bolt holes, equally spaced on a 200 mm diameter bolt circle.</li> <li>3. Or, be supplied with an adapter plate with the requisite two bolting patterns described above (less desirable option)</li> </ol> <p>Note, bolt holes must be located directly in the base of the unit with an access to both sides.</p>
<b>5.8</b>	Service Life	10 y
<b>5.9</b>	Mean Time Between Failures	5 y

## Section 6 PERFORMANCE REQUIREMENTS – ENVIRONMENT

The following table summarizes the environmental conditions in which the unit must be capable of operating. The racon shall be in accordance with IEC 60945 Edition 4, as shown here.

Section 6.11 in Table 4 below also has a rated requirement. For racons that have a rating of IP 68, the manufacturer’s conditions under which the racon can be continuously immersed are stated.

**Table 4: Performance requirements – environment**

ID	Item Description	Requirement or Value
6.1	Operating Temperature	-40° C to +55° C
6.2	Wind	Up to 160 km/h
6.3	Ice accumulation	Up to 40 mm
6.4	Dry Heat	IEC 60945 Edition 4 – Section 8.2
6.5	Damp Heat	IEC 60945 Edition 4 – Section 8.3
6.6	Vibration	IEC 60945 Edition 4 – Section 8.7
6.7	Rain and spray	IEC 60945 Edition 4 – Section 8. 8
6.8	Thermal Shock	IEC 60945 Edition 4 – Section 8.10
6.9	Solar Radiation	IEC 60945 Edition 4 – Section 8.10
6.10	Corrosive Conditions	IEC 60945 Edition 4 – Section 8.12
6.11	Immersion	IP 67



**ANNEX C**

**SAMPLE PWGSC-TPSGC 942, CALL-UP AGAINST  
A STANDING OFFER FORM**

**Radar Transponder (RACON)**

**F7047-160018**



### Call-up Against a Standing Offer Commande subséquente à une offre à commandes

Ship to - Expédier à

To the supplier: The standing offer identified below is accepted as follows: You are required to supply the goods or services, or both, shown below at the prices or on the pricing basis stated and in accordance with the other conditions stated in the standing offer. Only goods or services, or both, included in the standing offer will be supplied in the call-up against the standing offer.

Supplier - Fournisseur

Au fournisseur: L'offre à commandes indiquée ci-dessous est acceptée selon les modalités suivantes: Vous devez fournir les biens ou les services, ou les deux, indiqués ci-dessous selon les prix ou la base de tarification établie, et conformément avec les autres conditions stipulées dans l'offre à commandes. Seuls les biens ou les services, ou les deux, inclus dans l'offre à commandes seront fournis dans la commande subséquente à l'offre à commandes.

Security: The call-up includes security provisions.

Sécurité: La demande comprend des exigences en matière de sécurité.

NO  
NON

YES  
OUI

If YES, attach a SRCL to the call-up  
Si OUI, joindre une LVERS à la demande

Invoices must be sent in accordance with - Les factures doivent être envoyées selon:

The detailed instructions in the standing offer  
Les instructions détaillées dans l'offre à commandes

The address shown in the "Ship to" block  
L'adresse indiquée dans la case « Expédier à »

Special instructions below  
Les instructions particulières ci-dessous

Each shipment must be accompanied by a packing or delivery slip. All invoices, bills of lading and packing slips must show the following reference numbers.

Financial Code(s) - Code financier(s)

Chaque expédition doit être accompagnée d'un bordereau d'emballage ou de livraison. Les factures, connaissements et bordereaux d'emballage doivent tous porter les numéros de référence suivants.

Standing Offer No. - N° de l'offre à commandes

Requisition No. - N° de demande

Order. Off. - Bur. dem. YY - AA

Serial No. - N° de série

Client Reference No. (optional)

N° de référence du client (facultatif)

The representative of the identified User signing the call-up form must indicate his or her physical address. This address will constitute the address most connected with the supply and will determine, where applicable, the place of supply for this procurement.  
Le représentant de l'utilisateur désigné qui signe le formulaire de commande subséquente doit indiquer son adresse municipale, qui constituera l'adresse la plus associée à l'approvisionnement et qui déterminera, le cas échéant, le lieu d'approvisionnement pour cette commande.

Amendment No. N° de modification	Previous Value (\$) Valeur précédente (\$)	Value of increase or decrease (\$) Valeur de l'augmentation ou diminution (\$)	Total estimated expenditures or revised Total des dépenses estimatives ou révisées
-------------------------------------	---	---	---

Item No. N° de l'article	NATO Stock No. / Item Description N° de nomenclature de l'OTAN / Description de l'article	U. of I. U. de d.	Quantity Quantité	Unit Price Prix unitaire (\$)	Extended Price Prix calculé (\$)

Special Instructions - Instructions particulières

Total

For further information, call - Pour renseignements supplémentaires, contacter

Name - Nom

Telephone No. - N° de téléphone

Delivery required by - Livraison requise le  
(YYYY-MM-DD) (AAAA-MM-JJ)

For internal purposes only - Pour usage interne seulement

Approved for the Minister - Approuvé pour le Ministre

Pursuant to subsection 32(1) of the Financial Administration Act, funds are available.  
En vertu du paragraphe 32(1) de la Loi sur la gestion des finances publiques, des fonds sont disponibles.

Signature (Mandatory - Obligatoire)

Date (YYYY-MM-DD - AAAA-MM-JJ)

Signature (Mandatory - Obligatoire)

Date (YYYY-MM-DD - AAAA-MM-JJ)

**Annex D – Racon Evaluation Framework**

**Radar Beacons**

**National Individual Standing Offer**

**F7047-160018**

## **Annex D - Racon Evaluation Framework**

### **Introduction**

The Canadian Coast Guard (CCG) has initiated a competitive process for awarding a Standing Offer to a qualified supplier for radar beacons (Racons).

Proposals will be evaluated in accordance with the evaluation framework described in this document and the Annex E – Phased Bid Compliance Process.

### **Evaluation Process**

This bid evaluation framework will be used to evaluate the Bidder’s proposal to satisfy the requirements of the racons for the Canadian Coast Guard.

The evaluation process is separated into two segments: 1) Mandatory, and 2) Rated Requirements.

The mandatory requirements must be met in order for the Bidders proposal to be further considered for the evaluation of the rated requirements. The phased bid process is further detailed in Annex E. If after the phased approach, the vendor has not met mandatory requirement(s), this will result in the proposal being eliminated.

For the purposes of this solicitation, mandatory requirements are those requirements identified in the Solicitation that the Bidder “shall”, “will” or “must” satisfy.

The Rated Criteria are based on the features of the Bidder’s response that are beyond the minimum mandatory requirements stated in the Annex B - Performance Specification (Technical). These features are assessed and scored to determine the proposal’s added value above the mandatory requirements.

The proposals will be evaluated in the following order:

1. Evaluation of the proposal – All Terms and Conditions of the Request for Standing Offer (RFSO) have been met;
2. Evaluation of the Mandatory Requirement’s for the Annex B - Performance Specification as detailed in Appendices A1;
3. Evaluation of the Rated Requirements for the Annex B - Performance Specification as detailed in Appendices B1;

#### 4. Price

### Selection methodology

Proposals meeting all the mandatory criteria will be assessed for compliance with the rated criteria.

The technical score is the sum of the scores assigned to the individual rated criteria. The maximum possible score is as follows:

Section	Points Allocated
Technical Rated (Annex A2 – Based on the Performance Specification)	—
• Rated performance requirements – electronics	45
• Rated performance requirements – other technical	70
• Rated performance requirements – environment	10
<b>Total Max. Available Points</b>	<b>125</b>

The total rated Management/Technical score will constitute 40% of the overall bid evaluation. The price section will constitute 60% of the overall bid evaluation.

The method for rating the bids is the highest combined rating according to the formula below.

$$score_{bidder} = 0.6 \times \frac{price_{lowest}}{price_{bidder}} + 0.4 \times \frac{score_{bidder}}{total\ possible\ score}$$

Where,

$score_{bidder}$

is a value between 0 and 1.

$price_{lowest}$

is the lowest price of all compliant bids.

$price_{bidder}$

is the price offered by a bidder.

$score_{bidder}$

is the total score earned by a bidder.

total possible score

is the highest score possible.

The Bidder with the highest final score will be the winner of this bid selection process.

## **Bidder Instructions:**

To demonstrate that they have met the mandatory technical criteria, Bidders are required to provide the following with their proposal:

- A clear statement of compliance with all the “shall,” “will,” and “must” statements in the Annex B - Performance Specification;
- The Bidder shall complete the tables found in Appendices A1 and B1 in full. All statements shall be clear indicating where within the bid proposal, the section, page number and paragraph, the evidence required for meeting compliance is found and must be put in the column labelled “Compliant/Non- Compliant” in the tables found in Appendices A1 and B1;
- The evidence that they meet all the mandatory criteria of the RFSO.

## **METHODS OF VERIFICATION**

There are several methods available to verify requirements. These methods are explained below.

### *Acknowledge*

The bidder shall provide a narrative that clearly demonstrates that they have read and understand the information presented in the documentation.

### *State/statement of compliance*

The bidder shall provide a narrative that clearly demonstrates that the requirements are met. Drawings, schematics, and other documents and data may be included in support of the narrative.

### *Submit data*

The bidder shall submit data in the form of reports, drawings, schematics, and other documents sufficient to demonstrate that the requirements are met.

### *Test*

The bidder shall submit the results of tests of the bid product, previously performed in its own facility or by other accredited independent labs or agencies to demonstrate that the requirements are met. The tests must conform to provisions as applicable.

## Appendix A1 – Mandatory Requirements

*Note: References in the tables below are in reference to the Annex B - Performance Specification.*

Ref	Item Description	Requirement or Value	Proof of Compliance	Compliant/Non-Compliant
<b>3.1</b>	Recommendation of the International Telecommunication Union- Technical parameters of Radar Beacons (racons)	ITU-R M.824-4	Submit data	
<b>3.2</b>	Recommendation of the international Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) – Recommendation on Marine Radar Beacons (racons)	R-101	Submit data	

Ref	Description	Requirement or Value	Proof of Compliance	Compliant /Non-Compliant
4.1	Operating Frequency	a) X-band range	9300 Mhz to 9500 Mhz	Submit data
4.2		b) S-band range	2900 Mhz to 3100 Mhz	Submit data
4.3	Polarization	a) X-band	Horizontal	Submit data
4.4		b) S-band	Horizontal and Vertical	Submit data
4.5	Time to detect pulse width	a) Minimum	50 ns	Test
4.6		b) Maximum	2000 ns (2 $\mu$ s)	Test
4.7	Response Time Delay	Maximum	0.7 $\mu$ s (700 ns)	Test
4.8	Frequency Response Accuracy	a) Long radar pulses	$\pm$ 1.5 Mhz	Test
4.9		b) Short radar pulses	$\pm$ 3.5 Mhz	Test
4.10	Side Lobe Suppression (SLS)	X and S bands	Dual Token SLS	Submit data
4.11	System Sensitivity	a) X-band	-10 dBm to - 40 dBm	Test
4.12		b) S-band	-10 dBm to - 32 dBm	Test
4.13	Response Code	Programmable	Minimum 4 Morse Code Characters	Submit data
4.14	Gain	X and S band range	0 dBi to 9 dBi	Test
4.15	Output Power to Antenna	Range	0.5 W to 1.0 W	Test
4.16	Blocking Period	Maximum	100 $\mu$ s	Test
4.17	Vertical Divergence	X and S bands	10° or more at -3 dB points	Test
4.18	Nominal Power	a) Standby	0.75 W	Submit data

Ref	Description	Requirement or Value	Proof of Compliance	Compliant /Non-Compliant
4.19	Consumption	b) Active	Submit data	
4.20	Operation Power (Voltage)	Range	Submit data	
4.21	Quiescent Period	Programmable	Submit data	
4.22	Active Period	Programmable	Submit data	
4.23	Response Scaling	Range	Submit data	
4.24	Duty Cycle	Programmable	Submit data	
4.25	Duty Suppression	Required	Submit data	
4.26	Extended Duty Suppression	Required	Submit data	
4.27	Built-in-Test (BIT)	Required	Submit data	

Ref	Item Description	Requirement	Value	Proof of Compliance	Compliant/Non-Compliant
5.1	System diagnostic communication method	Required	A system communication method available	Submit data	
5.2	Handling	Required	Minimum one lifting handle present	Submit data	
5.3	Diameter	Maximum	500 mm	Submit data	
5.4	Height	Maximum	1000 mm	Submit data	
5.5	Weight	Maximum	25 kg	Submit data	
5.6	Markings	Required	Information permanently engraved; Always visible; Durable for entire service life.	Submit data	
5.7	Mounting	Required	CCG bolting patterns present; or, Adaptor plate provided (within weight tolerances)	Submit data	
5.8	Service Life	Minimum	10 y	Submit data	
5.9	Mean Time Between Failures (MTBF)	Minimum	5 y	Submit data	

Ref	Item Description	Requirement or Value	Proof of Compliance	Compliant/ Non-Compliant
<b>6.1</b>	Operating Temperature	-40° C to +55° C	Test	
<b>6.2</b>	Wind	Up to 160 km/h	Test	
<b>6.3</b>	Ice accumulation	Up to 40 mm	Test	
<b>6.4</b>	Dry Heat	IEC 60945 Edition 4 – Section 8.2	Test	
<b>6.5</b>	Damp Heat	IEC 60945 Edition 4 – Section 8.3	Test	
<b>6.6</b>	Vibration	IEC 60945 Edition 4 – Section 8.7	Test	
<b>6.7</b>	Rain and spray	IEC 60945 Edition 4 – Section 8. 8	Test	
<b>6.8</b>	Thermal Shock	IEC 60945 Edition 4 – Section 8.10	Test	
<b>6.9</b>	Solar Radiation	IEC 60945 Edition 4 – Section 8.10	Test	
<b>6.10</b>	Corrosive Conditions	IEC 60945 Edition 4 – Section 8.12	Test	
<b>*6.11</b>	Immersion	IP 67 minimum	Test	

**\*Note:** Section 6.11 also has a rated requirement. For racons that have a rating of IP 68, the manufacturer's conditions under which the racon can be continuously immersed are stated.

**Appendix B1 - Rated Requirements**

*Note: References 4.28-4.31 in this table are in reference to the Annex B - Performance Specification.*

Ref	Description	Requirement or Value	Proof of Compliance	Requirement and Results	Points	Score
<b>4.28</b>	Signal code proportion	Feature is selectable: Yes or No	Submit data	Yes	5	
				No	0	
<b>4.29</b>	Date calendar	Used to turn the unit ON and OFF for seasonal use applications.	Submit data	Yes	10	
				No	0	
<b>4.30</b>	NT Radar	Racon has or can be easily upgraded to have the capacity to be activated by solid-state radar (NT Radar).	Submit data	Yes	20	
				No	0	
<b>4.31</b>		Racon sent to manufacturer for upgrade	State	Yes No	10 0	

Rated performance requirements; 4.28 - 4.31; **Score:** \_\_\_\_\_ (max =45)

**Note: References 5.1-5.9 in this table are in reference to the Annex B - Performance Specification.**

	Description		Proof of Compliance	Requirement and Results	Points	Score
<b>5.1</b>	System diagnostic communication method	System built into the racon.	Submit data	Built-in External	15 0	
<b>5.3</b>	Diameter ( $\phi$ )	Max = 500 mm	Submit data	$\phi < 300$ mm 301 mm to 400 mm 401 mm to 500 mm	10 5 1	
<b>5.4</b>	Height (H)	Max = 1000 mm	Submit data	H < 800 mm 801 mm to 900 mm 901 mm to 1000 mm	10 5 1	
<b>5.5</b>	Weight (W)	Max = 25 kg	Submit data	W $\leq$ 10 kg 10.1 kg to 15 kg 15.1 kg to 20 kg	10 5 1	
<b>5.7</b>	Mounting	System does not have a unit mounting adaptor plate.	Submit data	No adaptor Adaptor <sup>2</sup>	15 0	
<b>5.8</b>	Service Life (SL)	Min = 10 y	Submit data	SL $\geq$ 15 y 12 y to 14.9 y 10 y to 11.9 y	5 3 1	

Description		Proof of Compliance	Requirement and Results	Points	Score
5.9	MTBF <sup>1</sup> (T <sub>F</sub> )	Submit data	T <sub>F</sub> ≥ 10 Y	5	
	Min = 5 Y		7 Y to 9.9 Y	3	
	Points are awarded for a longer MTBF value.		5 Y to 6.9 Y	1	

Rated performance requirements; 5.1-5.9; **Score:** \_\_\_\_\_ (max =70)

Points for IP68 are awarded as follows:

- 3 points are awarded for meeting IP68.
- 7 additional points are available and are awarded on a linearly scaled basis between the shallowest submersion depth amongst all bidders and the deepest submersion depth amongst all bidders.
- Points are given according to the following formula:

$$Points_{awarded} = \left( \frac{(10 - 3)}{(depth_{deepest} - depth_{shallowest})} \right) \times (depth_{bidder} - depth_{shallowest}) + 3$$

Where

$depth_{deepest}$  = the deepest depth of all bidders,

$depth_{shallowest}$  = the shallowest depth of all bidders,

$depth_{bidder}$  = actual depth of a bidder submitting for this rated item.

**Note: For racons that have a listing of IP 68, the manufacturer's conditions under which the racon can be continuously immersed shall be stated.**

<sup>1</sup> Mean time between failures

<sup>2</sup> Adaptor plate supplied is to have the requisite two bolting patterns.

Ref	Description	Requirement or Value	Proof of Compliance	Results	Points	Score
6.11	Immersion	IP 68	Test	Max Min No	10 3 0	

Rated performance requirements; 6.11; **Score:** \_\_\_\_\_ (max =10)

**Total rated scores:** \_\_\_\_\_ (max =125)

**Annex E – Phased Bid Compliance Process**

**Radar Beacons**

**National Individual Standing Offer**

**F7047-160018**

## **Phased Bid Compliance Process**

### **Introduction**

Public Services and Procurement Canada (PSPC) is committed to providing bidders with flexibility regarding their efforts to successfully demonstrate compliance with mandatory requirements of solicitations. The Phased Bid Compliance Process reflects this commitment by giving bidders an opportunity to demonstrate compliance with the mandatory requirements of a given solicitation within a specified time after bid closing.

The compliance assessment process will occur in phases as outlined below. The fact that Canada has proceeded to a later phase does not mean that Canada has conclusively determined that the bidder has successfully passed any or all other phases.

### **Description of Process**

#### ***Phase I: Financial Compliance Assessment***

- Within 2 business days after bid closing, PSPC will review all bids to assess compliance with required pricing information. Any bidder whose bid does not contain the required information will be notified by email and given 1 -2 business days to provide the missing information.
- Bidders who choose not to provide the required pricing information within the allotted timeframe will render their bid submission non-compliant.
- If the financial information is provided within the allotted timeframe, the bid submission will continue in the evaluation process. Bidders are not permitted to make changes to the pricing information beyond this phase.

#### ***Phase II: Mandatory Requirements Compliance Assessment***

- PSPC will review all bids to determine compliance with the mandatory requirements of a specific solicitation. Upon completion of this review, PSPC will issue all bidders a Compliance Assessment Report (CAR). The CAR will inform bidders as to whether their bid submissions are compliant or not.
- If a bidder is compliant, the CAR will indicate this and that the bid will continue in the evaluation process.
- For non-compliant bids, the CAR will identify all unmet mandatory requirement(s) and invite the bidder to submit additional or different information to demonstrate compliance. All bidders with unmet mandatory requirements will be given the same timeframe to provide additional or

different information in response to their CAR – typically 5 business days or up to a maximum of 10 business days if specified in writing by PSPC. For point rated requirements with an associated minimum pass mark, the CAR will also detail the score obtained for each point rated requirement including the bidder’s overall score on a minimum threshold point-rated criteria and all associated sub-criteria set out in the solicitation document.

- Bidders will not be given any additional information concerning their bid other than what is included in the CAR.
- In responding to the CAR, a bidder’s response must:
  - be based on the initially proposed solution;
  - follow the Bid Preparation Instructions specified in the solicitation document; and,
  - clearly identify any other changes in the bid necessitated while addressing a specific unmet requirement. Any changes to the bid that the bidder fails to specifically identify will not be considered by evaluators.
- Any additional or different information submitted will be at the bidder’s sole discretion and will be made solely by the bidder.
- If a bidder chooses not to submit additional or different information, the bidder is requested to submit a ‘no change’ response to PSPC with the understanding that the bid will not be given any further consideration.
- Any additional or different information submitted after the response due date will not be given any consideration.
- PSPC will review the additional or different information provided by the bidder to determine bid compliance. Should one or more of the requirements initially evaluated as non-compliant continue to be evaluated as non-compliant after review of the additional or different information, the bid will be deemed non-compliant and will not be given any further consideration. The bid may also be evaluated as non-compliant if the additional or different information submitted renders any other mandatory requirements non-compliant. For point rated requirements with an associated minimum pass mark, if compliance is achieved, the bidder’s original score will be used to determine the bid’s overall final score.

- If the bid demonstrates compliance after the review of the additional or different information, the bid will proceed to be fully evaluated in the next phase.

***Phase III: Bid Submission Evaluation***

- The final phase of the process will involve evaluating all bid submissions deemed compliant to determine the winning bid.