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PART 1 - GENERAL INFORMATION

1.1 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 and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Security, 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 Annexes include the Statement of Requirements, the Basis of Payment, the Electronic Payment Instruments, and the Financial and Technical Evaluation.

1.2 Summary

1.2.1 The purpose of this Standing Offer is the replacement of the Automatic Radio Direction-Finder currently installed aboard all vessels of the Canadian Coast Guard (CCG) fleet. Equipment requirements are divided into three administrative regional areas of the CCG. The hardware shall include all equipment, modules and sub-assemblies required to meet the Specification, as well as all necessary data/signal and power cables. The Automatic Radio Direction-Finder must have all the necessary hardware and software included to form a fully functional unit in accordance with to the Specification.

The period for making call-ups against the Standing Offer is from the issuance of the Standing Offer to November 30th 2021.

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for three (3) additional periods, from December 1, 2021 to November 30, 2022, from December 1, 2022 to November 30, 2023 and from December 1, 2023 to November 30, 2024, under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

1.2.2 This RFSO allows offerors to use the epost Connect service provided by Canada Post Corporation to transmit their offers electronically. Offerors must refer to Part 2 of the RFSO entitled Offeror Instructions and Part 3 of the RFSO entitled Offer Preparation Instructions, for further information on using this method.

1.3 Security Requirements

This requirement does not include any security requirement

1.4 Trade Agreements

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

1.5 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.

1.6 Anticipated migration to an e-Procurement Solution (EPS)

Canada is currently developing an online EPS for faster and more convenient ordering of goods and services. In support of the anticipated transition to this system and how it may impact any resulting Standing Offer that is issued under this solicitation, refer to 7.15 Transition to an e-Procurement Solution (EPS).

The Government of Canada's [press release](#) provides additional information.

PART 2 - OFFEROR INSTRUCTIONS

2.1 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) (<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](#) (2018-05-22) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

2.2 Submission of Bids

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the RFSO:

Public Works and Government Services Canada (PWGSC)
1550, Avenue of Estimaerville
Quebec City, Quebec G1J 0C7

Note: For offerors choosing to submit using epost Connect for offers closing at the Bid Receiving Unit in the Quebec Region the email address is:

TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca

Note: Offers will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2006](#), or to send offers through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Tenders can also be transmitted by fax to 418-648-2209.

2.3 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.

2.4 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority, preferably by email to Steve.Simoneau@tpsgc.gc.ca, no later than **7 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.

2.5 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 region where the subsequent call up will be made.

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.

PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1 Offer Preparation Instructions

- If the Offeror chooses to submit its offer electronically, Canada requests that the Offeror submits its offer in accordance with section 08 of the 2006 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation. The offer must be gathered per section and separated as follows:

Section I: Technical Offer
Section II: Financial Offer
Section III: Certifications
Section IV: Additional Information

- If the Offeror chooses to submit its offer in hard copies, Canada requests that the Offeror provides its offer in separately bound sections as follows:
 - Section I: Technical Offer (1 hard copy)
 - Section II: Financial Offer (1 hard copy)
 - Section III: Certifications (1 hard copy)
 - Section IV: Additional Information (1 hard copy)

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

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

Prices must appear in the financial 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 hard copy of their offer:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the RFSO.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, 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 describe under Appendix A.

- (a) Offerors must complete Appendix F – Technical Evaluation – Compliance Table of Mandatory criteria's, provided with the Solicitation for Tender and enter the answers in the applicable cells for each item listed.
- (b) Offerors must provide their responses in the "Compliant" column for each criterion.

The Mandatory technical requirements are detailed under Appendices A and F.

Section II: Financial Offer

Offerors must submit their financial offer in accordance with the Basis of Payment detailed in "Annex B, Basis of Payment".

3.1.1 Electronic Payment of Invoices – Offer

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

Section III: Certifications

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

Section IV: Additional Information

Prior to the issuance of a Standing Offer:

- (a) As per the Integrity Provisions under section 01 of Standard Instructions 2006, offerors must provide a list of all owners and/or Directors and other associated information as required.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 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.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The bid must meet the mandatory technical criteria detailed in Annex A and specified in Annex F. Bidders must provide the necessary documentation to ensure compliance with this requirement. Bidders must address each requirement in sufficient detail to allow for full analysis by the evaluation team.

Submissions that do not meet the mandatory technical criteria will be declared non-responsive. Each mandatory technical criterion must be treated separately.

The mandatory technical criteria are detailed in Appendices A and F.

4.1.2 Mandatory Requirements to be met at bid closing

Notwithstanding deliverable requirements specified anywhere else within this solicitation and its associated Technical Specification, the following are the only mandatory deliverables that must be submitted with the Bid at the time of bid closing. The following are mandatory and the Bidder must be compliant on each item to be considered responsive

Item	Description	Completed and attached
1	Signed proposal from Offeror	
2	Appendix E – Completed Financial Evaluation	
3	Integrated Logistic Support (ILS): Provide signed attestation demonstrating that the Offeror will meet requirements under 4.1 to 4.3	
4	Appendix F – Technical Evaluation – Compliance Table of Mandatory Technical requirements – TABLE 1 : MANDATORY REQUIREMENTS TO BE PROVIDED AT BID CLOSING	

4.1.3 Other information upon request only

The following information, which supports the bid, may be requested by the Contracting Authority from the bidder and it must be provided within **three (3)** working days of the written request:

Item	Description	Technical information to be provided
1	Appendix F – Technical Evaluation – Compliance Table of Mandatory Technical requirements – TABLE 2 : MANDATORY REQUIREMENTS TO BE PROVIDED UPON REQUEST ONLY	

4.1.4 Financial Evaluation

4.1.2.1 Evaluation of Price-Bid - M0220T (2016-01-28)

- (a) The price of the offer will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.
- (b) A Financial Evaluation will be made for each service area.
- (c) The evaluation of price will be conducted by calculating the « Price of the Offer » for a service area using Annex B – Basis of Payment.
- (d) The evaluation of price is described in Attachment 2, Evaluation of Price.

4.1.5 Condition of Material - Bid

Material supplied must be new and conform to the latest issue of the applicable drawing, specification and/or part number that is in effect on the bid solicitation closing date.

4.2 Basis of Selection - Mandatory Technical Criteria Only

An offer must comply with the requirements of the Request for Standing Offers and meet all mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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. Unless specified otherwise, 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.

5.1 Certifications Required with the Offer

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to 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.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Offeror must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

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

PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS

6.1 Security Requirements

There is no security requirement applicable to the Standing Offer.

6.2 Insurance – No Specific Requirement

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

7.1 Offer

7.1.1 The Offeror offers to fulfill the requirement in accordance with the Statement of Requirement at Annex "A".

7.2 Security Requirements

7.2.1 There is no security requirement applicable to the Standing Offer.

7.3 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

7.3.1 General Conditions

[2005](#) (2017-06-21) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

7.3.2 Standing Offers Reporting

The Offeror must compile and maintain records on its provision of goods and services to Canada under contracts resulting from the Standing Offer. This data must include all purchases done by Canada, including those acquired and paid for by Canada acquisition cards.

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

The data must be submitted on a semiannually basis to the Standing Offer Authority.

The reporting periods are defined as follows:

First semester: December 1 to May 30;
Second semester: June 1, to November 30.

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

7.4 Term of Standing Offer

7.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is from issuance to November 30, 2021.

7.4.2 Extension of Standing Offer

1. If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for three (3) additional periods, from December 1, 2021 to November 30, 2022, from December 1, 2022 to November 30, 2023 and from December 1, 2023 to November 30, 2024,

under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

2. The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period of one year each, by the Standing Offer Authority before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

2.1 All unit prices as shown in the Standing Offer or as amended pursuant to the terms and conditions as expressed herein shall be increased or decreased by the percentage change in the Consumer Price Index as published by Statistics Canada for the area of Canada in which the work is being performed calculated for the 12 month period immediately preceding the notice of renewal of the said extension year.

7.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Article 3.3 of Appendix "A" of the Standing Offer.

7.5 Authorities

7.5.1 Standing Offer Authority

The Standing Offer Authority is:

Steve Simoneau
Procurement Specialist
Public Works and Government Services Canada, Acquisitions Branch
1550, avenue D'Estimauville, Québec, (Québec) G1J 0C7, Canada

Telephone: 418 649-2816
Facsimile: 418 648-2209
E-mail address: steve.simoneau@tpsqc-pwgsc.gc.ca

The 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.

7.5.2 Project Authority (Will be completed by Standing Offer Authority)

The Project Authority for the Standing Offer is:

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

Telephone: ____ - ____ - _____
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.

7.5.3 Offeror's Representative (*Will be completed by Standing Offer Authority*)

The Offeror's Representative for the Standing Offer is:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____ - ____ - _____
E-mail address: _____

7.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a *Public Service Superannuation Act* (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

7.7 Identified Users

The Identified User authorized to initiate call-ups against the Standing Offer are: Canadian Coast Guard

7.8 Call-up Procedures

Not applicable

7.9 Call-up Instrument

The Work will be authorized or confirmed by the Identified User(s) using the duly completed forms or their equivalents as identified in paragraphs 2 and 3 below, or by using Canada acquisition cards (Visa or MasterCard) for low dollar value requirements.

1. Call-ups must be made by Identified Users' authorized representatives under the Standing Offer and must be for goods or services or combination of goods and services included in the Standing Offer at the prices and in accordance with the terms and conditions specified in the Standing Offer.
2. Any of the following forms could be used which are available through [PWGSC Forms Catalogue](#) website:
 - PWGSC-TPSGC 942 Call-up Against a Standing Offer
 - PWGSC-TPGSC 942-2 Call-up Against a Standing Offer - Multiple Delivery
 - PWGSC-TPSGC 944 Call-up Against Multiple Standing Offers (English version)
 - PWGSC-TPSGC 945 Commande subséquente à plusieurs offres à commandes (French version)

or

3. An equivalent form or electronic call-up document which contains at a minimum the following information:
 - standing offer number;
 - statement that incorporates the terms and conditions of the Standing Offer;
 - description and unit price for each line item;
 - total value of the call-up;
 - point of delivery;
 - confirmation that funds are available under section 32 of the Financial Administration Act;
 - confirmation that the user is an Identified User under the Standing Offer with authority to enter into a contract.

7.10 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed **\$250 000.00** (Applicable Taxes included).

Individual call-ups against the Standing Offer exceeding this amount must be authorized by the Standing Offer Authority.

7.11 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offers must not exceed the sum of **\$2 700 000.00** (Applicable Taxes excluded) unless otherwise authorized in writing by the 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 Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or 3 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 Standing Offer Authority.

7.12 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;
- c) the general conditions 2005 (2017-06-21), General Conditions - Standing Offers - Goods or Services
- e) the general conditions 2030 (2018-06-21)
- f) Annex A, Statement of Requirement;
- g) Annex B, Basis of Payment;
- h) Annex C, Insurance Requirements;
- j) the Offeror's offer dated _____ (*will be completed at Standing Offer award*).

7.13 Certifications and Additional Information

7.13.1 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.

7.14 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 _____ .

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F3063-190103/A
N° de réf. du client - Client Ref. No.
F3063-190103

N° de la modif - Amd. No.
File No. - N° du dossier
QCV-9-42119

Id de l'acheteur - Buyer ID
QCV007
N° CCC / CCC No./ N° VME - FMS

7.15 Transition to an e-Procurement Solution (EPS)

During the period of the Standing Offer, Canada may transition to an EPS for more efficient processing and management of individual call-ups for any or all of the SO's applicable goods and services. Canada reserves the right, at its sole discretion, to make the use of the new e-procurement solution mandatory.

Canada agrees to provide the Offeror with at least a three-month notice to allow for any measures necessary for the integration of the Offer into the EPS. The notice will include a detailed information package indicating the requirements, as well as any applicable guidance and support.

If the Offeror chooses not to offer their goods or services through the e-procurement solution, the Standing Offer may be set aside by Canada.

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.

7.1 Statement of Requirement

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

7.2 Standard Clauses and Conditions

7.2.1 General Conditions

[2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

7.3 Term of Contract

7.3.1 Period of the Contract

The Work must be completed during the period specified in the call-up against the Standing Offer.

7.3.2 Delivery Date

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

7.3.3 Delivery time

The Offeror must deliver the requested items within eight (8) weeks following the approved call-up.

7.4 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada

7.5 Payment

7.5.1 Basis of Payment

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 Annex B. Customs duties are included and Applicable Taxes are extra.

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

7.5.2 Limitation of Expenditure

1. Canada's total liability to the Contractor under the Contract must not exceed the amount specified in the Call-up. Customs duties are included and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - a. when it is 75% committed, or

- b. four months before the contract expiry date, or
- c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

- 3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.5.4 Single Payment

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

7.5.5 Electronic Payment of Invoices – Call-up

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);

7.6 Invoicing Instructions

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.

A repair report must be provided with each invoices. The report must contain the following:

- a) The vessel name and the date upon which the inspections were conducted;
- b) A complete description of each system inspected, as well as details on the corrections made (if applicable);
- c) The name and telephone number of the person who called;
- d) The date and time of the start and end of work, as well as the number of hours for each work day;
- e) The list of material replaced, repaired or installed;
- f) A paper and electronic copy of the certificate for each system inspected;

- g) The name (in block letters) and signature of the person in charge on the vessel, attesting that the inspection seems to have been conducted in a satisfactory fashion;
- h) The breakdown of the labour and materials costs, if there are extras.

Two copies of the report will be required and must be submitted to the Identified User.

Invoices must be distributed as follows:

(a) Original Electronic Invoice must be sent in the name of the responsible resource identified on the Call-up form.

(b) An electronic copy of the Invoice must be sent to:

Steve.Simoneau@tpsgc-pwgsc.gc.ca

7.7 Insurance Requirements

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

7.8 Shipping instructions - delivery to destination

Goods must be shipped to the points of destination specified in Article 3.3 Delivery Requirements of Annex A and delivered:

Delivery Duty Paid (DDP), in accordance with Incoterms 2000 for shipments from a commercial contractor.

7.9 SACC Manual Clauses

SACC Manual clause C0705C (2010-01-11), Discretionary Audit
SACC Manual clause B7500C (2006-06-16), Excess Goods
SACC Manual clause C0705C (2014-06-26), Condition of Material - Contract
SACC Manual clause B1501C (2018-06-21), Electrical equipment
SACC Manual clause D9002C (2007-11-30), Incomplete Assemblies

ANNEX "A" – STATEMENT OF REQUIREMENTS

Integrated Technical Services



Safety First, Service Always



Automatic Marine Radio Direction Finder

Statement of Requirements

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List of Acronyms and Abbreviations

CCG	Canadian Coast Guard
E&I	Electronics and Informatics
COTS	Commercial-Off-The-Shelf
TSOR	Technical Specification of Operational Requirements
VHF	Very High Frequency
UHF	Ultra High Frequency
ITS	Integrated Technical Services
NMEA	National Marine Electronics Association
DC	Direct Current
IEC	International Technical Commission
kHz	Kilohertz
MHz	Megahertz
H	Height
L	Length
W	Width

Foreword

The Canadian Coast Guard (CCG), a Special Operating Agency of the Department of Fisheries and Oceans, owns and operate the federal government's civilian vessel fleet. The Oceans Act gives the Minister of Fisheries and Oceans responsibility for providing:

1. Aids to Navigation
2. Marine communication and traffic management services
3. Icebreaking and ice-management services
4. Channel maintenance
5. Marine search and rescue
6. Marine pollution response
7. Support of other government departments, boards and agencies by providing ships. Aircraft and other services

Ship Station Radio Regulation, 1999 (SOR/2000-260) article 16 requires all government search and rescue ships to carry VHF radio direction-finding apparatus. A radio direction-finder can be an excellent tool to aid in marine search and rescue. To support life cycle management of this technology, CCG requires a single radio direction-finding model that is accurate, reliable, rugged and easy to operate.

1. Purpose

This technical statement of operational requirements details the technical requirements for a commercial-off-the-shelf (COTS) automatic radio direction-finder used and installed aboard all CCG. This document must be used in conjunction with the attached Technical Statement of Requirement during the procurement process.

2. Scope

The intent of this document is to detail the deliverables and requirements of the CCG associated with the procurement for the replacement of the Automatic Radio Direction-Finder currently installed aboard all vessels of the CCG fleet. Equipment requirements are divided into three regional areas, two of them are divided into 2 sectors, in addition to the CCG College.

The three regions are :

- Western

- Central & Arctic
 - St-Lawrence Sector
 - Greats-Lacs Sector

- Atlantic
 - North Sector
 - South Sector

3. Deliverables

3.1 Automatic Radio Direction-Finder

The Offeror shall deliver the Automatic Radio Direction-Finder, in accordance with the prescribed Specification. The hardware shall include all equipment, modules and sub-assemblies required to meet the Specification, as well as all necessary data/signal and power cables. The Automatic Radio Direction-Finder must have all the necessary hardware and software included to form a fully functional unit in accordance with to the Specification.

3.2 Quantity/Option/Schedule

The delivery shall be satisfied in accordance with the table in the section 3.3 of this document. This table outlines the CCG's requirements for the next years but does not constitute a firm agreement. The actual quantity of Automatic Radio Direction-Finder procured will be subject to the CCG's budgetary constraints.

3.3 Delivery Requirements

The Offeror shall deliver the specified quantities of Automatic Radio Direction-Finder and all associated deliverables, DDP (at the Offeror's expense) to the following Consignees:

Western Region	Central & Arctic Region – Greats-Lake Sector
Canadian Coast Guard 21, Huron St. Victoria, BC V8V 9V4	Canadian Coast Guard 1355, Confederation Street, Unit 8 Sarnia, Ontario N7S 4T2
Estimated quantity required : 38	Estimated quantity required : 27
Central & Arctic Region – St-Lawrence Sector	Atlantic Region – South Sector
Canadian Coast Guard 101, Champlain Boulevard Québec, QC G1K 7Y7	Canadian Coast Guard Stores - 05C Wharehouse Door #1 13 Akerley Blvd Dartmouth, NS, B3B 1J6 ATTN: E&I Engineering
Estimated quantity required : 25	Estimated quantity required : 31
Atlantic Region – North Sector	Canadian Coast Guard College
Canadian Coast Guard A/S Technical Store 280 Southside Road St. John's, NL A1C 5X1	Canadian Coast Guard Stores - 05C Wharehouse Door #1 13 Akerley Blvd Dartmouth, NS, B3B 1J6 ATTN: E&I Engineering
Estimated quantity required : 22	Estimated quantity required : 7

3.4 Protection, Packaging, Packing, Marking

The Offeror shall package all Automatic Radio Direction-Finder and any sub-systems, modules or other system components with the appropriate labelling and part identification on the outside of the packaging.

Protection, packaging, and marking shall also be in accordance with the Offeror standard practice to ensure safe delivery at destination.

A detailed report of all purchased items and their shipping destination shall be provided in a list that will include all pertinent equipment information for inventory record keeping purposes. Required equipment information shall contain but not limited to: equipment model and serial numbers as well as their corresponding software or firmware version numbers and option key codes if applicable. A copy of this detailed report should be included with the shipment as well as mailed to the same address of the material shipment.

3.5 Inspection and Acceptance of the Equipment

Inspection and acceptance shall be performed by the Consignee at destination. The CCG reserves the right to request corrective action or reject any equipment that does not meet the contract requirements. The Offeror shall provide a "Certificate of Compliance" with each shipment. The Certificate of Compliance shall identify each Automatic Radio Direction-Finder items delivered under the shipment, by serial number, certifying that each item meets the requirements of the Contract. The goods shall be deemed accepted after 15 days of receipt by the Consignee, unless the Contractor is otherwise notified by CCG.

4. Integrated Logistic Support (ILS)

4.1 Documentation

The Offeror shall provide generic documentation, technical manuals and drawings for installation, maintenance and operation of the Automatic Radio Direction-Finder and associated devices which will constitute a documentation package. This documentation package shall be provided in hard copy (paper) and soft copy (electronic) format.

A complete documentation package shall be supplied with each Automatic Radio Direction-Finder. For all manuals supplied with the equipment, the Offeror shall confirm that the CCG will be the copyright owner for manual reproduction and translation into French. In the event that French versions of the documents are available, costs for such shall be indicated in the proposal.

4.2 Spares, Special Tools, Test Equipment

Technical information shall be provided for all specific test equipment, cables, software and other recommended materiel required for adjustment, performance measurement, installation and troubleshooting of the system.

The Offeror shall supply a list of recommended spare parts for each fitted vessel as well as recommended spare parts for a main land-based workshop. These lists shall include: supplier and manufacturer part numbers, quantity, description and prices. A separate price shall be given for each part to allow CCG to select individual items from the list.

4.3 Modifications

If the production and distribution of the automated direction finder model that will be selected by this process is to be stopped, the offerer must notify the CCG at least 12 months before the end of production to allow the CCG to provide additional spare parts.

The offerer shall inform CCG of any modifications made to equipment within 5 years from the date of purchase. Modification notices shall be in the form of technical bulletins or other satisfactory document format available from the company. Notices shall include complete technical descriptions and schematic diagrams and be issued for all modifications to documents, hardware, software or other substitute spare parts intended for correcting problems or enhancing performance. This information is required by CCG to exercise its option of purchasing replacement sets, amending documentation for control configuration and enhancement purposes during the expected Automatic Radio Direction-Finder lifecycle. All notifications shall be directed to:

Canadian Coast Guard
ITS Engineering Services: Ships Electronics
200 Kent St.
Ottawa, ON
K1A 0E6

5. Mandatory Requirements

5.1 Operational Requirements

- M1 The automatic direction-finder must be capable of providing an automatic visual indication-of-direction for a received signal in 360° arc around the vessel.
- M2 The automatic direction-finder must be capable of providing an automatic numerical indication-of-direction for a received signal in 360° arc around the vessel.
- M3 The automatic direction-finder must be capable of providing a bearing relative to the bow of the vessel and a true bearing when provided with compass data.
- M4 The automatic direction-finder must be capable of providing bearing with an accuracy of $\pm 5^\circ$
- M5 The automatic direction-finder must provide a means of audio-monitoring. Regardless of the method of direction finding, it should be capable of being muted by simple means.
- M6 The automatic direction-finder must have one output for an external speaker, between 4 and 8 ohm.
- M7 The automatic direction-finder must have a line level audio output
- M8 The automatic direction-finder must provide a display which indicates the carrier frequency of the signal to which the equipment is intended to be tuned, the resolution of which should at be at least 1 kHz
- M9 The automatic direction-finder must provide a display which is readable in daylight and also easily dimmed so as not to interfere with night vision.
- M10 The automatic direction-finder must be able to scan the principal emergency frequencies (Cospas-Sarsat, 121,500 and 156.800 MHz) and a minimum of one other selectable frequency.
- M11 Control and display unit must operate over an ambient temperature range of -20° to $+60^\circ$ Celsius.
- M12 Antenna unit must operate over an ambient temperature range of -40° to $+60^\circ$ Celsius

5.2 Technical Requirements

- M13 The automatic direction-finder must be capable of receiving amplitude-modulated signals on a frequency of 121,5 MHz
- M14 The automatic direction-finder must operate over the VHF air band, 118 to 136,975 MHz
- M15 The automatic direction-finder must be capable of receiving frequency or phase-modulated signals in the VHF marine band from 154 MHz to 163 MHz
- M16 The automatic direction-finder must be capable of receiving amplitude-modulated signals on a frequency of 243 MHz
- M17 The automatic direction-finder must be capable of receiving and decoding Cospas-Sarsat signals in the 406,022 to 406,076 MHz frequency range.
- M18 The automatic direction-finder must operate using a nominal voltage of 12 or 24 Volts DC $\pm 10\%$
- M19 The automatic direction-finder must be able to perform all mandatory function using a single physical antenna package.

5.3 Physical Requirements

- M20 Control and display unit dimensions must not exceed 280 X 260 X 140 mm (L x W x H)
- M21 Antenna unit dimensions, without the antenna support, must not exceed 350 x 350 x 1000 mm (L x W x H)

5.4 Standard Requirements

- M22 Any equipment intended to be installed outside must be certified to conform to IEC 60950-22 :2006 or equivalent
- M23 Any equipment intended to be installed outside must be certified to conform to IEC 60529 :1991+, or equivalent and have a minimum IP rating of 67 or equivalent.
- M24 The automatic direction-finder system must be certified to conform to IEC 60945 :2002 or equivalent
- M25 The automatic direction-finder system must be certified to conform to IEC 60950-1 :2006 or equivalent
- M26 The automatic direction-finder must have, at minimum, one serial data port, input and output, for integration with other navigation equipment. Any serial data port must be certified to conform with at least one of the following standards :
 - M 26.1 IEC 61162-1 or equivalent
 - M 26.2 IEC 61162-3 or equivalent
 - M 26.3 NMEA 0183 version 3.01 or equivalent
 - M 26.4 NMEA 2000 version 2.00 or equivalent

ANNEX "B" - BASIS OF PAYMENT

*****Do not complete this Annex. It will be completed at Standing offer award *****

Unless specified otherwise, all prices quoted are net prices, in Canadian funds, including Canadian customs duties and excluding taxes. All prices are firm for the term of the standing offer, and no additional charges will be accepted. For the optional periods, at the same terms and conditions as stipulated in the Standing offer except that:

All unit prices as shown in the Standing Offer or as amended pursuant to the terms and conditions as expressed herein shall be increased or decreased by the percentage change in the Consumer Price Index as published by Statistics Canada for the area of Canada in which the work is being performed calculated for the 12 month period immediately preceding the commencement date of the said extension year.

ITEM	DESCRIPTION	UNIT PRICE (CAD)
1	Marine Automatic Direction-finder system , in accordance with article 3.1 of Annex A – Statement of Requirement and all other mandatory requirements.	_____ \$
2	Delivery Duty Paid (DDP) , incluant les droits de douane, la manutention et la livraison aux destinataires suivants : 3.3.A - Western Region 3.3.B - Central & Arctic Region, Great-Lakes Sector 3.3.C - Central & Arctic Region, St-Lawrence Sector 3.3.D - Atlantic Region, South Sector 3.3.E - Atlantic Region, North Sector 3.3.F - Canadian Coast Guard College	_____ \$ _____ \$ _____ \$ _____ \$ _____ \$ _____ \$
3	EQUIPMENT AND SPARE PARTS The Offeror will be required to invoice each item at cost plus a mark-up percentage to cover costs and profit. The mark-up percentage has been set at 10% but the Offeror may offer a discount to Canada. If he offers a discount, he must complete the table below Equipment and spare parts - discount Mark-up of 10 % OR; Discount of _____% <i>Example : 2% Discount = 8% Mark-up (10% - 2%)</i>	Will be included at SO award _____ %

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QCV-9-42119

Id de l'acheteur - Buyer ID
QCV007
N° CCC / CCC No./ N° VME - FMS

ANNEX "C" to PART 3 OF THE REQUEST FOR STANDING OFFERS

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);

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F3063-190103

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QCV007
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ANNEX D - USAGE REPORTS

#Offer: F3063-190103/001//QCV

Offeror: _____

Reporting periods: _____

(example: from December 1st, 2019 to May 30, 2020)

CCG Call-up number	Date of call-up	Vessel	Name of Technical Authority	Quantity	Total value of the call-up (applicable taxes included)
					\$
					\$
					\$
...		

Signature : _____ **Date (YYYY-MM-DD) :** _____

Annex E - Financial evaluation

Unless specified otherwise, all prices quoted are net prices, in Canadian funds, including Canadian customs duties and excluding taxes. All prices are firm for the term of the standing offer, and no additional charges will be accepted. For the optional periods, at the same terms and conditions as stipulated in the Standing offer except that:

All unit prices as shown in the Standing Offer or as amended pursuant to the terms and conditions as expressed herein shall be increased or decreased by the percentage change in the Consumer Price Index as published by Statistics Canada for the area of Canada in which the work is being performed calculated for the 12 month period immediately preceding the commencement date of the said extension year.

ITEM	DESCRIPTION	Nombre d'article par livraison	QUANTITÉ ESTIMÉE (pour évaluation seulement)	PRIX UNITAIRE (CAD)	PRIX TOTAL (CAD)
1.	Marine Automatic Direction-finder system , in accordance with article 3.1 of Annex A – Statement of Requirement and all other mandatory requirements.		150	_____ \$	_____ \$
2.	DDP, including customs duties, handling and delivery**.				
	3.3.A - Western Region	1 to 5	8	_____ \$	_____ \$
	3.3.B - Central & Arctic Region, Great-Lakes Sector	1 to 5	6	_____ \$	_____ \$
	3.3.C - Central & Arctic Region, St-Lawrence Sector	1 to 5	5	_____ \$	_____ \$
	3.3.D - Atlantic Region, South Sector	1 to 5	6	_____ \$	_____ \$
	3.3.E - Atlantic Region, North Sector	1 to 5	5	_____ \$	_____ \$
	3.3.F - Canadian Coast Guard College	1 to 5	3	_____ \$	_____ \$
*For delivery, the proposed quantities are for estimated. For bid requirement, provide a price for the delivery of a call-up including 1 to 5 maritime direction finders per order.					

3. Cost for equipment and spare parts

- a) The data to calculate fees associated to the mark-up are provided for evaluation purposes only and are provided in good faith.
- b) The mark-up for equipment and spare parts will be calculated as follows:

Example with a 10% mark-up rate without any discount:
 $(A \times (10\% - B)) + A = (250\,000,00\$ \times (10\% - 0\%)) + 250\,000,00\$ = 275\,000,00\$$

Example with a 10% mark-up rate with a 2% discount:
 $(A \times (10\% - B)) + A = (250\,000,00\$ \times (10\% - 2\%)) + 250\,000,00\$ = 270\,000,00\$$

Estimate for the purchase of equipment and spare parts for the 5 years of the standing offer (Approximately 5%) For evaluation purpose only		Mark-up of the Offeror B = Discount of _____ %
A : $(5\,000\,000,00\$ \times 5\%) = 250\,000,00\$$		$(A \times (10\% - B)) + A =$
3.	Calculation of the Offeror's Markup $(A \times (10\% - B)) + A =$	\$ _____

4.	Total estimated amount of the Standing Offer (1 + 2 + 3), CAD, applicable taxes extra	\$ _____
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Id de l'acheteur - Buyer ID
QCV007
N° CCC / CCC No./ N° VME - FMS

ANNEX F - COMPLIANCE MATRIX MANDATORY TECHNICAL REQUIREMENTS

All mandatory criteria must be met for the offer to be considered. The following table will be used to validate vendor information against mandatory technical criteria. It is the Offeror's responsibility to submit the necessary documentation to demonstrate that it meets the requested requirements.

The Offeror must include with its proposal the datasheets of the products offered.

IMPORTANT: The Offeror must indicate, for each mandatory criteria, whether the proposed equipment complies or not by checking the relevant box. The bidder must clearly demonstrate how the proposed equipment complies with each criteria. Where it is necessary to refer to other documentation that is included in the proposal, bidders should include the precise location of the reference material including the title of the document, and the page and paragraph numbers. It is imperative that the bidder provides an answer for each criteria. It is the bidder's responsibility to provide enough details to permit a complete evaluation.

See following pages

TABLE 1: MANDATORY TECHNICAL CRITERIA'S TO BE PROVIDED WITH THE BID

Art.	Proposed product: _____	Mandatory Technical Criteria	Proposed model : _____		Technical Reference
			Compliant	Non-compliant	
4.0	Integrated Logistic Support				
	The Offeror agrees to provide the documentation requested in sections 4.1 and 4.2 of Annex A.				
5.1	Operational Requirements				
M1	Must be capable of providing an automatic visual indication-of-direction for a received signal in 360° arc around the vessel.				
M2	Must be capable of providing an automatic numerical indication-of-direction for a received signal in 360° arc around the vessel.				
M11	Control and display unit must operate over an ambient temperature range of -20° to +60° Celsius.				
M12	The antenna unit must operate over an ambient temperature range of -40° to +60° Celsius				
5.2	Technical Requirements				
M13	Must be capable of receiving amplitude-modulated signals on a frequency of 121,5 MHz				
M15	Must be capable of receiving frequency or phase-modulated signals in the VHF marine band from 154 MHz to 163 MHz				
M17	Must be capable of receiving and decoding Cospas-Sarsat signals in the 406,022 to 406,076 MHz frequency range				
M19	Must be able to perform all mandatory function using a single physical antenna package..				
5.4	Standards Requirements				
M23	Any equipment intended to be installed outside must be certified to conform to IEC 60529 :1991+, or equivalent and have a minimum IP rating of 67 or equivalent.				

TABLE 2: MANDATORY TECHNICAL CRITERIA'S TO BE PROVIDED UPON REQUEST ONLY

Art.	Proposed product: _____	Mandatory Technical Criteria	Proposed model : _____		Technical Reference
			Compliant	Non-compliant	
5.1		Operational Requirements			
M3		Must be capable of providing a bearing relative to the bow of the vessel and a true bearing when provided with compass data.			
M4		Must be capable of providing bearing with an accuracy of $\pm 5^\circ$			
M5		Must provide a means of audio-monitoring. Regardless of the method of direction finding, it should be capable of being muted by simple means.			
M6		Must have one output for an external speaker, between 4 and 8 ohm.			
M7		Must have a line level audio output			
M8		Must provide a display which indicates the carrier frequency of the signal to which the equipment is intended to be tuned, the resolution of which should be at least 1 kHz			
M9		Must provide a display which is readable in daylight and also easily dimmed so as not to interfere with night vision.			
M10		Must be able to scan the principal emergency frequencies. (Cospas-Sarsat, 121,500 and 156.800 MHz) and a minimum of one other selectable frequency.			
5.2		Technical Requirements			
M14		Must operate over the VHF air band, 118 to 136,975 MHz			
M16		Must be capable of receiving amplitude-modulated signals on a frequency of 243 MHz			
M18		Must operate using a nominal voltage of 12 or 24 Volts DC $\pm 10\%$			

5.3 Physical Requirements			
M20	Control and display unit dimensions must not exceed 280 X 260 X 140 mm (L x W x H)		
M21	Antenna unit dimensions, without the antenna support, must not exceed 350 x 350 x 1000 mm (L x W x H)		
5.4 Standards Requirements			
M22	Any equipment intended to be installed outside must be certified to conform to IEC 60950-22 :2006 or equivalent		
M23	Any equipment intended to be installed outside must be certified to conform to IEC 60529 :1991+, or equivalent and have a minimum IP rating of 67 or equivalent.		
M24	The automatic direction-finder system must be certified to conform to IEC 60945:2002 or equivalent		
M25	The automatic direction-finder system must be certified to conform to IEC 60950-1:2006 or equivalent.		
	M 26.1 IEC 61162-1 or equivalent		
	M 26.2 IEC 61162-3 or equivalent		
	M 26.3 NMEA 0183 version 3.01 or equivalent		
	M 26.4 NMEA 2000 version 2.00 or equivalent		