



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

Pacific Region

401 - 1230 Government Street

Victoria, B.C.

V8W 3X4

Bid Fax: (250) 363-3344

**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

Public Works and Government Services Canada - Pacific
Region

401 - 1230 Government Street

Victoria, B. C.

V8W 3X4

Title - Sujet Distance Measuring Equipment	
Solicitation No. - N° de l'invitation F1701-180056/A	Date 2019-03-14
Client Reference No. - N° de référence du client F1701-180056	GETS Ref. No. - N° de réf. de SEAG PW-\$XLV-591-7700
File No. - N° de dossier XLV-8-41151 (591)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-04-24	
Time Zone Fuseau horaire Pacific Daylight Saving Time PDT	
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Zwarich, Eric	Buyer Id - Id de l'acheteur xlv591
Telephone No. - N° de téléphone (250)661-2347 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Fisheries and Oceans Canada See herein	
Security - Sécurité 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

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

Sollicitation No. - N° de l'invitation
F1701-180056/A
Client Ref. No. - N° de réf. du client
F1701-180056

Amd. No. - N° de la modif.
File No. - N° du dossier
XLV-8-41151

Buyer ID - Id de l'acheteur
XLV591
CCC No./N° CCC - FMS No./N° VME

TABLE OF CONTENTS

TABLE OF CONTENTS	1
PART 1 - GENERAL INFORMATION	3
1.1 INTRODUCTION.....	3
1.2 SUMMARY	3
1.3 DEBRIEFINGS	4
1.4 KEY TERMS.....	4
1.5 ANTICIPATED MIGRATION TO AN E-PROCUREMENT SOLUTION (EPS)	5
1.6 PHASED OFFER COMPLIANCE PROCESS.....	5
PART 2 - OFFEROR INSTRUCTIONS	6
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS.....	6
2.2 SUBMISSION OF OFFERS.....	8
2.3 ENQUIRIES - REQUEST FOR STANDING OFFERS	8
2.4 APPLICABLE LAWS.....	8
PART 3 - OFFER PREPARATION INSTRUCTIONS	9
3.1 OFFER PREPARATION INSTRUCTIONS.....	9
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	11
4.1 EVALUATION PROCEDURES.....	11
4.2 BASIS OF SELECTION	15
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	16
5.1 CERTIFICATIONS REQUIRED WITH THE OFFER	16
5.2 CERTIFICATIONS PRECEDENT TO THE ISSUANCE OF A STANDING OFFER AND ADDITIONAL INFORMATION	16
PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS	18
6.1 SECURITY REQUIREMENTS	18
6.2 INSURANCE	18
PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES	20
A. STANDING OFFER	20
7.1 OFFER.....	20

Sollicitation No. - N° de l'invitation F1701-180056/A	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur XLV591
Client Ref. No. - N° de réf. du client F1701-180056	File No. - N° du dossier XLV-8-41151	CCC No./N° CCC - FMS No./N° VME

7.2	SECURITY REQUIREMENTS	20
7.3	STANDARD CLAUSES AND CONDITIONS	20
7.4	TERM OF STANDING OFFER	21
7.5	AUTHORITIES	21
7.6	IDENTIFIED USERS	22
7.7	CALL-UP INSTRUMENT	22
7.8	LIMITATION OF CALL-UPS	22
7.9	FINANCIAL LIMITATION	22
7.10	PRIORITY OF DOCUMENTS	23
7.11	CERTIFICATIONS AND ADDITIONAL INFORMATION	23
7.12	APPLICABLE LAWS	23
7.13	TRANSITION TO AN E-PROCUREMENT SOLUTION (EPS)	23
7.14	ACCEPTANCE TRIALS	24
B.	RESULTING CONTRACT CLAUSES.....	25
7.1	REQUIREMENT	25
7.2	STANDARD CLAUSES AND CONDITIONS	25
7.3	TERM OF CONTRACT	25
7.4	PAYMENT	25
7.5	INVOICING INSTRUCTIONS	26
7.6	INSURANCE	26
7.7	PROCEDURES FOR DESIGN CHANGE OR ADDITIONAL WORK	26
	ANNEX A - REQUIREMENT.....	28
	ANNEX B - BASIS OF PAYMENT	29
	ANNEX C – REPORTING REQUIREMENTS	34
	ANNEX D – TECHNICAL EVALUATION.....	35
	ANNEX E – FINANCIAL EVALUATION	46
	ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS	57

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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 Technical Statement of Requirements, the Basis of Payment, the reporting requirements, the technical evaluation plan, the financial evaluation plan, and the Electronic Payment Instruments.

1.2 Summary

1.2.1 The Department of Fisheries and Oceans – Canadian Coast Guard (CCG) currently has 15 vessels which work with Helicopters as part of their operations. As such CCG has a requirement for a National Individual Standing Offer (NISO) for commercially available off the shelf Distance Measuring Equipment(DME) for installation on board CCG vessels in order to provide helicopter pilots with the slant range distance between the vessel and the helicopter. This procurement is limited to the transponder equipment being installed on the vessels and does not include the DME interrogator commonly installed on aircraft.

In addition to 15 helicopter capable vessels, CCG may require to carry regional spare units as well as outfit future vessels depending on operational requirements.

The period of this standing offer will be for 2 years with an irrevocable option to extend for three (3) periods of one (1) year each.

Delivery of the units may be to any of the following locations in Canada:

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

- St. John's, NL;
- Dartmouth, NS;
- Quebec City, QC; and
- Victoria, BC

1.2.2 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).

1.2.3 Comprehensive Land Claims Agreement (CLCA)

The Request for Standing Offers (RFSO) is to establish National Individual Standing Offer for the requirement detailed in the RFSO, to the Identified User across Canada, excluding locations within Yukon, Northwest Territories, Nunavut, Quebec, and Labrador that are subject to Comprehensive Land Claims Agreements (CLCAs). Any requirement for deliveries to locations within CLCAs areas within Yukon, Northwest Territories, Nunavut, Quebec, or Labrador will have to be treated as a separate procurement, outside of the resulting standing offers.

1.2.4 ePost Connect

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 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.

1.3.1 Preliminary Notification

Pending the completion of the offer evaluation process, each offeror will be notified of its preliminary ranking within 14 working days of the solicitation closing date. The notification will be made by e-mail by the Contracting Authority.

1.4 Key Terms

Commercially Available Off the Shelf (COTS) – Available commercially to industry and in current production, fully supported with parts and service from the Original Equipment Manufacturer (OEM) and is currently being used by a minimum of 5 organizations.

Distance Measuring Equipment (DME) – Distance Measuring Equipment that will be fitted onto a vessel for providing helicopter pilots with the slant range distance between the vessel and the helicopter.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

1.5 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.

1.6 Phased Offer Compliance Process

The Phased Offer Compliance Process applies to this requirement.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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).

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.

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

Delete: 60 days

Insert: 180 days

The 2006 standard instructions is amended as follows:

- Section 08, entitled Submission of offers, is amended as follows:
 - subsection 2. is deleted entirely and replaced with the following:

2. epost Connect

- a. Unless specified otherwise in the RFSO, offers may be submitted by using the [epost Connect service](#) provided by Canada Post Corporation.
 - i. PWGSC, National Capital Region: The only acceptable email address to use with epost Connect for responses to RFSOs issued by PWGSC headquarters is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

or if applicable, the email address identified in the RFSO.

- ii. PWGSC regional offices: The only acceptable email address to use with epost Connect for responses to RFSOs issued by PWGSC regional offices is identified in the RFSO.
- b. To submit an offer using epost Connect service, the Offeror must either:
 - i. send directly its offer only to the specified PWGSC Bid Receiving Unit using its own licensing agreement for epost Connect provided by Canada Post Corporation; or

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

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

File No. - N° du dossier

XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

2.2 Submission of Offers

Offers must be submitted only to the Public Works and Government Services Canada (PWGSC) Offer Receiving Unit specified below by the date and time indicated on page 1 of the Offer solicitation:

Bid Receiving Public Works and Government Services Canada
Pacific Region
401 - 1230 Government Street
Victoria, B.C.
V8W 3X4

TPSGC.RPReceptiondessoumissions-PRBidReceiving.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 Instruction 2006, or to send offers through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Due to the nature of the Request for Standing Offers, transmission of offers by facsimile to PWGSC will not be accepted.

2.3 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than seven (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.

2.4 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 British Columbia.

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.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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

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 (one hard copy)

Section II: Financial Offer (one hard copy)

Section III: Certifications (one 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.

Due to the nature of the RFSO, offers transmitted by facsimile will not be accepted.

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

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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- 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 in accordance with ANNEX A - REQUIREMENT. The offer must clearly substantiate all items indicated in ANNEX D – TECHNICAL EVALUATION.

Section II: Financial Offer

Offerors must submit their financial offer in accordance with the ANNEX B - BASIS OF PAYMENT. Offers must submit a completed ANNEX E – FINANCIAL EVALUATION with their Financial Offer.

3.1.1 Electronic Payment of Invoices - Offer

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS, to identify which ones are accepted.

If ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

3.1.2 Exchange Rate Fluctuation

[C3011T](#) 2013-11-06, Exchange Rate Fluctuation,

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

Canada will use the Phased Offer Compliance Process described below.

4.1.1 Phased Offer Compliance Process

4.1.1.1 (2018-07-19) - General

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Offerors are and will remain solely responsible for the accuracy, consistency and completeness of their Offers and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Offers or in responses by a Offeror to any communication from Canada.
- (c) THE OFFEROR ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE OFFER IS NON-RESPONSIVE, EVEN FOR MANDATORY
- (d) REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE OFFER HAD BEEN FOUND RESPONSIVE IN SUCH EARLIER PHASE. CANADA MAY DEEM An OFFER TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE.
- (e) THE OFFEROR ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS OFFER RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS OFFER NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.
- (f) Canada may, in its discretion, request and accept at any time from a Offeror and consider as part of the Offer, any information to correct errors or deficiencies in the Offer that are clerical or administrative, such as, without limitation, failure to sign the Offer or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Offeror has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the Offer solicitation closing in circumstances where the Offer solicitation expressly provides for this right. The Offeror will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Offer being declared non-responsive.
- (g) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2018-05-22) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

period or after Offer solicitation closing in circumstances where the Offer solicitation expressly provides for this right, or in the circumstances described in subsection (c).

- (h) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Offeror must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Offeror at any address provided by the Offeror in or pursuant to the Offer is deemed received by the Offeror on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

4.1.1.2 (2018-03-13) - Phase I: - Financial Offer

- (a) After the closing date and time of this Offer solicitation, Canada will examine the Offer to determine whether it includes a Financial Offer and whether any Financial Offer includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the Offer solicitation to be included in the Financial Offer is missing from the Financial Offer. This review will not assess whether the Financial Offer meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Offer or that the Financial Offer is missing all of the information required by the Offer solicitation to be included in the Financial Offer, then the Offer will be considered non-responsive and will be given no further consideration.
- (d) For Offers other than those described in c), Canada will send a written notice to the Offeror ("Notice") identifying where the Financial Offer is missing information. An Offeror, whose Financial Offer has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Offerors shall not be entitled to submit any additional information in respect of their Financial Offer.
- (e) The Offerors who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Offeror will be entitled to remedy only that part of its Financial Offer which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Offer, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Offer, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Offeror and only

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.

- (g) Any other changes to the Financial Offer submitted by the Offeror will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Offeror's Offer. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Offer as is permitted above, and will be used for the remainder of the Offer evaluation process.
- (h) Canada will determine whether the Financial Offer is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Offeror in accordance with this Section. If the Financial Offer is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Offer shall be considered non-responsive and will receive no further consideration.
- (i) Only Offers found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

4.1.1.3 (2018-03-13) - Phase II: Technical Offer

- (a) Canada's review at Phase II will be limited to a review of the Technical Offer to identify any instances where the Offeror has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Offer meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Offeror (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Offer has failed to meet. A Offeror whose Offer has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Offer has been found responsive to the requirements reviewed at Phase II. Such Offeror shall not be entitled to submit any response to the CAR.
- (c) An Offeror shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- (d) The Offeror's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Offeror which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Offer, the Offeror shall identify such additional changes, provided that its response must not include any change to the Financial Offer.
- (e) The Offeror's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Offer, the wording of the proposed change to that section, and the wording and location in

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

the Offer of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Offeror must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Offeror's Offer, and failure of the Offeror to do so in accordance with this subparagraph is at the Offeror's own risk. All submitted information must comply with the requirements of this solicitation.

- (f) Any changes to the Offer submitted by the Offeror other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Offer as is permitted in this Section.
- (g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Offer, but will be considered by Canada in the evaluation of the Offer at Phase II only for the purpose of determining whether the Offer meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase or decrease any score that the original Offer would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Offeror in response to the CAR. If so, the Offer will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Offeror shall bind the Offeror as part of its Offer, but the Offeror's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Offer.
- (h) Canada will determine whether the Offer is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Offeror in accordance with this Section. If the Offer is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Offer shall be considered non-responsive and will receive no further consideration.
- (i) Only Offers found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

4.1.1.4 (2018-03-13) - Phase III: Final Evaluation of the Offer

- (a) In Phase III, Canada will complete the evaluation of all Offers found responsive to the requirements reviewed at Phase II. Offers will be assessed in accordance with the entire requirement of the Offer solicitation including the technical and financial evaluation criteria.
- (b) An Offer is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

4.1.2 (2017-07-31) - Technical Evaluation

4.1.2.1 (2017-07-31) - Mandatory Technical Criteria

All Mandatory Technical Criteria will be evaluated in accordance with ANNEX D – TECHNICAL EVALUATION.

The Phased Offer Compliance Process will apply to all mandatory technical criteria.

4.1.2.2 Point Rated Technical Criteria

All Point Rated Technical Criteria will be evaluated in accordance with ANNEX D – TECHNICAL EVALUATION.

4.1.3 Financial Evaluation

Financial Evaluation will be done in accordance with ANNEX E – FINANCIAL EVALUATION

4.1.2.1 Evaluation of Price - Offer

The price of the offer will be evaluated in Canadian dollars, Applicable Taxes excluded, Incoterms 2010 DDP, Canadian customs duties and excise taxes included.

4.2 Basis of Selection

4.2.1 Lowest Price per Point

To be declared responsive, an offer must:

- a. comply with all the requirements of the Request for Standing Offers; and,
- b. meet all mandatory technical evaluation criteria.

Offers not meeting (a) or (b) will be declared non-responsive. Neither the responsive offer that receives the highest number of points nor the one that proposed the lowest price will necessarily be accepted. The responsive offer with the lowest evaluated price per point will be recommended for issuance of a standing offer.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

File No. - N° du dossier

XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

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

5.2.2 Federal Offerors 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 Offerors Program (FCP) for employment equity "FCP Limited Eligibility to Offer" 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-offeror-program.html#s4) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-offeror-program.html#s4>).

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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 Offer" 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, escort required on all DFO sites.

6.2 Insurance

1. The Offeror must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Offeror's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Offeror.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Offeror and/or arising out of operations that have been completed by the Offeror.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Offeror will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

- k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Standing Offer.
- l. Litigation Rights: Pursuant to subsection 5(d) of the [Department of Justice Act](#), S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Offeror's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Offeror's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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 Requirement at ANNEX A.

7.2 Security Requirements

7.2.1 There is no Security Requirement, the Offeror must be escorted at all DFO Sites.

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 C – REPORTING REQUIREMENTS. 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 quarterly basis to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

- first quarter: April 1 to June 30
- second quarter: July 1 to September 30
- third quarter: October 1 to December 31
- fourth quarter: January 1 to March 31

The data must be submitted to the Standing Offer Authority no later than 30 calendar days after the end of the reporting period.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

7.4 Term of Standing Offer

7.4.1 Period of the Standing Offer

The period for making call-ups and providing services against the Standing Offer is from _____ to _____ inclusive. *[Date to be filled in upon issuance of standing offer, starting on date of issuance and ending two years following].*

7.4.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for up to three (3) additional one (1) year periods, from _____ to _____ (option year 1), from _____ to _____ (option year 2), from _____ to _____ (option year 3), 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.

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 30 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

7.4.3 Comprehensive Land Claims Agreements (CLCAs)

The Standing Offer (SO) is for the delivery of the requirement detailed in the SO to the Identified Users across Canada, excluding locations within Yukon, Northwest Territories, Nunavut, Quebec, and Labrador that are subject to Comprehensive Land Claims Agreements (CLCAs). Any requirement for deliveries to locations within CLCAs areas within Yukon, Northwest Territories, Nunavut, Quebec, or Labrador will have to be treated as a separate procurement, outside of the standing offer.

7.4.4 Delivery Points

The areas of delivery are defined as National, excluding Comprehensive Land Claims Settlement Areas: Individual addresses for delivery of goods and services are detailed in ANNEX A – REQUIREMENT.

7.5 Authorities

7.5.1 Standing Offer Authority

The Standing Offer Authority is:

Eric Zwarich

Supply Team Leader, Acquisitions Marine, Procurement Branch / Pacific Region

Public Services and Procurement Canada / Government of Canada

Eric.Zwarich@pwgsc-tpsgc.gc.ca / Cel: 250-661-2347

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.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

7.5.2 Project Authority

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

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

7.5.3 Offeror's Representative

Contact for:	Name	Telephone	E-mail
Contracting Issues			
Technical Issues			
Invoicing Issues			

7.6 Identified Users

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

7.7 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.

7.8 Limitation of Call-ups

Individual call-ups against the Standing Offer issued by the Canadian Coast Guard must not exceed \$400,000.00 (Applicable Taxes included).

Individual call-ups against the Standing Offer exceeding \$400,000 (Applicable Taxes included) will be authorized by the Standing Offer Authority.

7.9 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$_____ (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.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

7.10 Priority of Documents

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

- a. the 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
- d. the supplemental general conditions [4003](#) (2010-08-16), Licensed Software.
- e. the general conditions [2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods
- f. Annex A, Requirement;
- g. Annex B, Basis of Payment;
- h. Annex C, Reporting Requirement;
- i. the Offeror's offer dated _____ (insert date of offer), (if the offer was clarified or amended, insert at the time of issuance of the offer: "as clarified on _____" or "as amended on _____" and insert date(s) of clarification(s) or amendment(s) if applicable).

7.11 Certifications and Additional Information

7.11.1 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.

7.12 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 _____.

7.13 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.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

7.14 Acceptance Trials

7.14.1 Acceptance Trials Procedure

Upon issuance of the Standing Offer, Canada will immediately call-up the Acceptance Trials portion of the offer (See Annex B – B1a.ITEM 1). The Offeror must conduct the Acceptance Trials in accordance with and meet the requirements of Appendix C to Annex A – DME Systems Acceptance Trial.

7.14.2 Acceptance Trials

In the event the offered equipment fails the Acceptance Trials set out in Appendix C to Annex A – DME Systems Acceptance Trial, the Standing Offer shall be set aside and Canada reserves the right to issue the standing offer to the next-ranked responsive Offeror.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

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 Requirement

The Offeror must provide the items 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.

7.2.2 Supplemental General Conditions

[4003](#) (2010-08-16), Licensed Software, apply to and form part of the Contract

7.3 Term of Contract

7.3.1 Delivery Date

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

7.4 Payment

7.4.1 Basis of Payment - Firm Unit Prices

In consideration of the Offeror satisfactorily completing all of its obligations under the Contract, the Offeror will be paid firm unit prices, as specified in that call-up against a standing offer in Canadian funds. Based on the unit prices identified in ANNEX B – BASIS OF PAYMENT. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Offeror 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.

7.4.2 Limitation of Price

SACC Manual clause [C6000C](#) (2017-08-17) Limitation of Price

7.4.3 Multiple Payments

Canada will pay the Offeror 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;

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

7.4.4 Electronic Payment of Invoices – Call-up

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

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);
- c. Wire Transfer (International Only);

7.5 Invoicing Instructions

The Offeror 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.

7.6 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance

7.7 Procedures for Design Change or Additional Work

These procedures must be followed for any design change or additional work.

1. When Canada requests design change or additional work
 - a. The Technical Authority will provide the Contracting Authority with a description of the design change or additional work in sufficient detail to allow the Offeror to provide the following information:
 - i. any impact of the design change or additional work on the requirement of the Contract;
 - ii. a price breakdown of the cost (increase or decrease) associated with the implementation of the design change or the performance of the additional work using either the form PWGSC-TPSGC 1686, Quotation for Design Change or Additional Work, or the form PWGSC-TPSGC 1379 Work Arising or New Work.
 - iii. a schedule to implement the design change or to perform the additional work and the impact on the contract delivery schedule.
 - b. The Contracting Authority will then forward this information to the Offeror.
 - c. The Offeror will return the completed form to the Contracting Authority for evaluation and negotiation. Once agreement has been reached, the form must be signed by all parties in the appropriate signature blocks. This constitutes the written authorization for the Offeror to proceed with the work, and the Contract will be amended accordingly.
2. When the Offeror requests design change or additional work:
 - a. The Offeror must provide the Contracting Authority with a request for design change or additional work in sufficient detail for review by Canada.

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

- b. The Contracting Authority will forward the request to the Technical Authority for review.
- c. If Canada agrees that a design change or additional work is required, then the procedures detailed in paragraph 1 are to be followed.
- d. The Contracting Authority will inform the Offeror in writing if Canada determines that the design change or additional work is not required.

3. Approval

The Offeror must not proceed with any design change or additional work without the written authorization of the Contracting Authority. Any work performed without the Contracting Authority's written authorization will be considered outside the scope of the Contract and no payment will be made for such work.

Sollicitation No. - N° de l'invitation

F1701-180056/A

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ANNEX A - REQUIREMENT

(Annex A – Requirement begins on the next page and consists of 17 pages)



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian
Coast Guard

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canadienne

GCDOCS 2125291

Integrated Technical Services



Safety First, Service Always



Distance Measuring Equipment

National Individual Standing Offer

Statement of Requirements

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Foreword

Table of Contents

Section 1	Foreword	3
1.1	Scope	3
1.2	Background	3
1.3	Distance Measuring Equipment System Architecture	3
1.4	Training.....	3
Section 2	Equipment Supplied	4
2.1	Acceptance Trials	4
2.2	DME Core	4
2.3	DME Bridge Controller	4
2.4	DME Antenna	4
2.5	Documentation	4
2.6	Special Tools and Test Equipment	4
2.7	Software and Licensing	5
Section 3	Documentation and Data	6
3.1	General.....	6
3.2	Maintenance	6
Section 4	System Requirements	7
4.1	General.....	7
4.2	DME Core	7
4.2.1	General	7
4.2.2	Mechanical	7
4.2.3	Electrical	7
4.2.4	Environmental	8
4.3	DME Antenna	8
4.3.1	Installation Requirements	8
4.3.2	Mechanical	8
4.3.3	Electrical	8
4.3.4	Environmental	8
4.4	DME Bridge Controller	9
4.4.1	General	9
4.4.2	Mechanical	9
4.4.3	Electrical	10
4.4.4	Environmental	10
4.5	Maintenance Port (Desired).....	10
4.5.1	General	10

Foreword

Appendix A Delivery Locations	1
A.1 Delivery Locations	1
A.1.1 Victoria, BC	1
A.1.2 Quebec City, QC.....	1
A.1.3 Dartmouth, NS.....	1
A.1.4 St. John’s, NL.....	1
A.1.5 Burlington, ON.....	1
Appendix B List of Acronyms and Abbreviations	2
B.1 Abbreviations	2
B.2 Definitions	2
Appendix C DME Systems Acceptance Trial	1

Section 1 FOREWORD

1.1 SCOPE

This Statement of Requirements (SOR) document details the activities and deliverables associated with the procurement of commercially available off-the-shelf (COTS) Distance Measuring Equipment (DME) to be installed on Canadian Coast Guard (CCG) vessels across Canada. This procurement is limited to the transponder equipment being installed on the vessels and does not include the DME interrogator commonly installed on aircraft.

1.2 BACKGROUND

DME is used on board Canadian Coast Guard vessels to respond to interrogations from DME equipped CCG helicopters in order to provide the helicopter pilots with the slant range distance between the vessel and the helicopter. This information can be used by the pilot to assist in the navigation of the helicopter back to the CCG vessel from which it was launched.

The distance information obtained through the pilot's DME equipment is used in conjunction with the directional information obtained through CCG's Non-Directional Beacon (NDB) system in order to provide the pilot with navigational information.

1.3 DISTANCE MEASURING EQUIPMENT SYSTEM ARCHITECTURE

The DME system consists of the following functional blocks:

1. DME Core,
2. DME Bridge Controller, and
3. DME Antenna.

The DME Core, or transponder, contains the electronics responsible for receiving and transmitting encoded RF pulse pairs to and from a DME equipped helicopter in order to provide a method for calculating the direct distance between the helicopter and the transponder located on the CCG vessel.

The DME Bridge Controller is a user interface located on the bridge of the ship containing the electronics responsible for providing ship crew with the ability to operate the DME system.

The DME Antenna, installed on the exterior frame of the ship transmits and receives signals to and from the DME equipped helicopter.

1.4 TRAINING

The Contractor must be willing to provide technical training to Canadian Coast Guard Employees for the purpose of maintaining and repairing all supplied equipment. Any such training will be procured outside of this contract.

Equipment Supplied

Section 2 EQUIPMENT SUPPLIED

The Contractor must supply equipment detailed in this Statement of Requirements denoted with “MR”, complete with all installation instructions, service and operator manuals, materials, parts and assemblies necessary for installation, integration, and operation. Mandatory requirements must be met without deviation.

For sections with desired requirements, denoted with “DR”, the information indicated is Canada’s preference, but the equipment called up will be in accordance with the Contractor’s offer for these requirements.

The Contractor must be able to deliver the equipment detailed in this Statement of Requirements to the locations listed in **Appendix A Delivery Locations**.

2.1 ACCEPTANCE TRIALS

The Contractor must be available to complete a one-time DME system acceptance trial in accordance with **Appendix C DME Acceptance Trail** to be scheduled on the earliest possible date.

2.2 DME CORE

The Contractor must supply a DME Core in accordance with the requirements located in **Section 4.2 DME Core** denoted with “MR”.

2.3 DME BRIDGE CONTROLLER

The Contractor must supply a DME Bridge Controller in accordance with the requirements located in **Section 4.4 DME Bridge Controller** denoted with “MR”.

2.4 DME ANTENNA

The Contractor must supply a DME Antenna in accordance with the requirements located in **Section 4.3 DME Antenna** denoted with “MR”.

2.5 DOCUMENTATION

The Contractor must supply documentation for the Distance Measuring Equipment in accordance with the requirements located in **Section 3 Documentation and Data** denoted with “MR”.

2.6 SPECIAL TOOLS AND TEST EQUIPMENT

The Contractor must identify any special tools and test equipment required for the maintenance of the DME Core, DME Antenna, and DME Bridge Controller.

“Special tools and test equipment” is defined as those tools which are of such a specialized nature that their use is particular to the item procured and includes either single or multi-purpose test units engineered, designed, fabricated, or modified to meet the test requirements of the equipment.

Equipment Supplied

When called-up, the Contractor must provide special tools and test equipment in accordance with their Offer.

2.7 SOFTWARE AND LICENSING

The contractor must identify any software licensing requirements and reoccurring subscriptions in order to operate and maintain the DME Core, DME Antenna, and DME Bridge Controller.

When called-up, and if applicable, the Contractor must provide the software and/or subscriptions in accordance with their Offer.

Section 3 DOCUMENTATION AND DATA

3.1 GENERAL

- MR. 1.** All documentation developed or supplied under this Standing Offer must be in reproducible hard copy and native electronic format; for example: Microsoft Word, Excel, etc., and AutoCAD for all drawings.
- MR. 2.** The contractor must provide all documentation developed or supplied for this procurement in Canadian English.
- MR. 3.** Installation instructions, service, and operational manuals must be supplied in searchable PDF format.
- MR. 4.** Applicable operator manuals must also be supplied in both hard copy and electronic formats with the purchase of each unit.
- DR. 1.** Documents developed or supplied for this procurement, not including drawings, should be supplied in equally accurate Canadian French. This includes but is not limited to installation, service, and operator manuals.

3.2 MAINTENANCE

- MR. 5.** The commercial documentation supplied with the equipment must identify all necessary corrective and preventative maintenance task or procedures.
- MR. 6.** The commercial documentation supplied with the equipment must identify any recommended spare parts, including Lowest Replaceable Unit (LRU) components which will be required to maintain the DME.

System Requirements

Section 4 SYSTEM REQUIREMENTS

4.1 GENERAL

- MR. 7.** All software and hardware must be COTS and the equipment must be in use by a minimum of five (5) organizations.
- MR. 8.** The Contractor must supply all hardware and software used for operating the DME Core, DME Antenna, and DME Bridge Controller without reoccurring cost or payment.
- MR. 9.** The DME system must be compliant with International Civil Aviation Organization (ICAO) Annex 10.
- MR. 10.** The DME system must be compliant with USA Federal Aviation Administration (FAA) requirement FAA-E-2996: *Performance Specification for Distance Measuring Equipment*.
- DR. 2.** The DME should be compliant with International Electrotechnical Commission (IEC) 60945-2002 Ed. 4: *Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results*.

4.2 DME CORE

4.2.1 General

- MR. 11.** The DME Core must provide the pilot of the helicopter equipped with a DME transmitter unit with the ability to continuously and accurately display the slant range distance between the DME equipped vessel and the helicopter.
- MR. 12.** The DME Core must provide DME transponder functionality, as defined per ICAO Annex 10, that is capable of successfully communicating with the industry standard aircraft DME units used by CCG aircraft.
- MR. 13.** The DME Core must be capable of providing a helicopter, equipped with a standard DME transceiver, such as the BendixKing KN-62A (50 watt power output, unity gain antenna), with the ability to provide distance measurements at operating ranges of at least 50 nautical miles (ground range) under ideal weather conditions and clear line of sight.
- MR. 14.** The transmitter and receiver function of the DME Core must have the capability to be configured to operate on any of the one-hundred-twenty-six (126) X and Y channels identified in ICAO Annex 10.

4.2.2 Mechanical

- MR. 15.** The DME Core must be capable of being installed in an equipment room that physically differs from the location of the antenna and DME bridge control unit.
- MR. 16.** The DME Core must not exceed 48" H x 24" W x 24" D.

4.2.3 Electrical

- MR. 17.** The DME Core must be capable of being configured to transmit at any power level between 100 watts and 500 watts.

System Requirements

MR. 18. The electronics associated with the DME Core must be capable of being powered by either of the following power sources:

- a. 115 VAC \pm 10% circuit,
- b. 24 VDC \pm 15%, two wire ungrounded, or
- c. 12 VDC \pm 15%, two wire negative ground.

4.2.4 Environmental

MR. 19. The DME Core must have a temperature rating of -10°C to +50°C with a humidity rating of 5% to 90%.

4.3 DME ANTENNA

4.3.1 Installation Requirements

MR. 20. The Transmitter signal must not interfere with the normal operation of other marine based communication systems when installed on the exterior of the ship. Other marine based communication systems may include but not limited to the following: radar, X-Band and S-Band; VHF radio; Automatic Identification System (AIS), INMARSAT C, Iridium Satellite Communication, Differential Global Position System (DGPS), etc.

4.3.2 Mechanical

MR. 21. The cable connecting the antenna to the DME Core electronics must support installation distances up to 250 feet.

MR. 22. The length of the antenna must not exceed 48 inches.

4.3.3 Electrical

MR. 23. The antenna must feature an omnidirectional radiation pattern that transmits the desired signal with equal power in all directions.

MR. 24. The antenna gain must:

- a. Feature a minimum gain of 6 dB on the main beam,
- b. Feature a minimum gain of 3 dB at the horizon, and
- c. Be sufficient strength to ensure that the operating distance prescribed in this specification is successfully achieved.

4.3.4 Environmental

MR. 25. The antenna must be rated at a temperature rating of -40°C to +50°C.

MR. 26. The antenna must be capable of operating in an outside marine environment which can experience humidity, strong winds, rain, snow, and ice loading conditions as specified in the FAA-G-2100H: *Federal Aviation Administration Application Handbook for Electronic Equipment, General Requirements*.

System Requirements

4.4 DME BRIDGE CONTROLLER

4.4.1 General

MR. 27. The cable connecting the DME Core to the DME Bridge Controller electronics must support installation distances up to 250 feet.

MR. 28. The DME Bridge Controller must feature a menu driven, graphical user interface that provides users with the following functionality:

- a. Turn on and off the transmitted signal,
- b. Perform basic functions required for operating the equipment,
- c. Configure the operating parameters associated with the equipment,
- d. Execute diagnostic routines,
- e. Display the details pertaining to any warnings or alarms, and
- f. Display the status of the equipment.

MR. 29. The DME Bridge Controller must have an audio alarm feature that supports the following functionality:

- a. Can be turned on or off by the user,
- b. Can be configured by the user such that any combination of alarms/warnings can trigger an audio sound, and
- c. Emits an audio sound when the pre-set condition is realized.

MR. 30. The DME Bridge Controller must provide users with the ability to determine the number of Automatic Direction Finder (ADF) equipped helicopters that are currently connected to the DME system.

MR. 31. The DME Bridge Controller user interface must have the capability to display the user and the slant range distance associated with each helicopter.

MR. 32. All user configurable settings must be stored in non-volatile memory and must persist across power cycles.

DR. 3. For the DME Bridge Controller software, Canada has preferences in the following order, however, the software will be supplied in accordance with the Contractor's Offer:

- a. Freeware software capable of being installed on a CCG supplied PC.
- b. Cost-per-license software capable of being installed on a CCG supplied PC.

DR. 4. The Contractor supplied DME Bridge Controller software operates on Microsoft Windows 10.

DR. 5. The Contractor provides updates to the DME Bridge Controller software free of charge.

4.4.2 Mechanical

MR. 33. The DME Bridge Controller must be cable of being installed on the bridge of a ship that physically differs from the location of the antenna and DME core unit.

System Requirements

4.4.3 Electrical

MR. 34. The electronics associated with the DME Bridge Controller must be capable of being powered by either of the following power sources:

- a. 115 VAC \pm 10% circuit,
- b. 24 VDC \pm 15%, two wire ungrounded, or
- c. 12 VDC \pm 15%, two wire negative ground.

4.4.4 Environmental

MR. 35. The DME Bridge Controller must have a temperature rating of -10°C to +50°C with a humidity rating of 5% to 90%.

4.5 MAINTENANCE PORT (DESIRED)

4.5.1 General

DR. 6. The primary function of the maintenance port should be to provide maintenance technicians with the ability to connect to the DME over an Ethernet based network in order to perform maintenance and diagnostic tasks.

DR. 7. The DME system should ensure that only authorized users are permitted to connect to the DME system. This should be achieved by means of a username and password.

DR. 8. The maintenance port should provide the user with the ability to perform the following functions:

- a. Configure/set the operating parameters associated with the equipment,
- b. Execute diagnostic routines,
- c. Display the details pertaining to any warnings or alarms, and
- d. Display the status of the equipment.

DR. 9. For the DME maintenance software, Canada has preferences in the following order, however, the software will be supplied in accordance with the Contractor's Offer:

- a. Freeware software capable of being installed on a CCG supplied PC.
- b. Cost-per-license software capable of being installed on a CCG supplied PC.
- c. Cost-per-license software with lease of hardware.

DR. 10. The Contractor supplied maintenance port software operates on Microsoft Windows 10.

DR. 11. The Contractor provides updates to the maintenance port software free of charge.

Appendix A DELIVERY LOCATIONS

A.1 DELIVERY LOCATIONS

The Contractor must deliver the equipment detailed in this Statement of Requirements to the following locations.

A.1.1 Victoria, BC

21 Huron Street

Victoria, British Columbia, V8V 4V9

Canada

A.1.2 Quebec City, QC

101 boulevard Champlain

Quebec City, Quebec, G1E 7Y7

Canada

A.1.3 Dartmouth, NS

2 Morris Drive

Dartmouth, Nova Scotia, B3B 1S6

Canada

A.1.4 St. John's, NL

Southside Road

St. John's, Newfoundland, A1C 5X1

Canada

A.1.5 Burlington, ON

867 Lakeshore Road

Burlington, Ontario, L7S 1A1

Canada

Appendix B LIST OF ACRONYMS AND ABBREVIATIONS

B.1 ABBREVIATIONS

ADF	Automatic Direction Finder
AIS	Automatic Identification System
BC	British Columbia
°C	Degrees Celsius
CCG	Canadian Coast Guard
COTS	Commercially Available Off-the-Shelf
dB	Decibel
DGPS	Differential Global Positioning System
DME	Distance Measuring Equipment
FAA	Federal Aviation Administration
ICAO	International Civil Aviation Organization
IEC	International Electrotechnical Commission
LRU	Lowest Replaceable Unit
NDB	Non-Directional Beacon
NL	Newfoundland
NS	Nova Scotia
ON	Ontario
PC	Personal Computer
QC	Quebec
SOR	Statement of Requirement
VAC	Voltage Alternating Current
VDC	Voltage Direct Current
VHF	Very High Frequency

B.2 DEFINITIONS

Commercially Available Off the Shelf: a commercial item sold in substantial quantities in the commercial marketplace and is offered to Canada, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace.

Freeware: software that is available free of charge.

Appendix C DME SYSTEMS ACCEPTANCE TRIAL

Acceptance Trial				
#	SOR Reference	Definition	Test	Pass/Fail
<p>Acceptance trials will be evaluated on a stringent pass/fail. The Contractor will have one (1) attempt to demonstrate each of the requirements below.</p> <p>For the acceptance trials, a DME core, DME bridge controller, and DME antenna must be set up by the Contractor at 25 Huron Street, Victoria, BC. CCG may assist with the setup as requested in writing by the Contractor and dependant upon CCG manpower and time. CCG involvement will be managed by the Technical Authority (TA) and documented as per the Contractor's written requirements. The Contractor must provide their installation drawings and standards, as well as their preferred date for the installation, setup, and commissioning of the DME equipment, a minimum of fourteen (14) calendar days prior to the Contractor's arrival in Victoria, BC. All reasonable attempts will be made to schedule the Acceptance Trial on the Contractor's preferred date; a final decision on the Acceptance Trial date will be at the TA's discretion.</p> <p>All cabling must be installed in exposed cable trays, provided by CCG, for inspection by the TA and Contractor prior to beginning the trials. All cabling used in the system must be installed and provided by the Contractor. At no cost to the Contractor and at the Contractor's written request, dependant upon CCG manpower and time, CCG may install marine standard, low loss, shielded coax and data cabling, commonly used on CCG vessels, for the acceptance trials prior to the Contractor's arrival in Victoria, BC. Unless specified in writing by the Contractor, materials installed by CCG will follow the material manufacturer's recommendations for installation, for example bend radius, connectors, etc. Where possible, end to end testing of all cabling will be performed and documented for review by the Contractor and TA.</p> <p>The antenna must be mounted to a temporary stand on the roof of the electronics/shops building. The DME core and DME bridge controller must be mounted in the interior of the electronics/shops building at 25 Huron Street, Victoria, British Columbia. The location of the DME core and DME bridge controller is at the discretion of the TA. A single, CCG helicopter will be provided for the acceptance trials. If and when needed, CCG will arrange two helicopters to test specific requirements.</p> <p>Acceptance testing will be dependant upon helicopter availability and weather. Any delays due to helicopter availability or the weather causing incurred travel costs to the Contractor will be compensated as per the Treasury Board Secretariat Guidelines.</p>				
1	Subsection 5.2.1, MR. 12	The DME Core must provide the pilot of the helicopter equipped with a DME transmitter unit with the ability to continuously and accurately display the slant range distance between the DME equipped vessel and the helicopter.	<p>A single CCG helicopter will fly to a Race Rocks Lighthouse (British Columbia, Canada) and hover one-half (0.5) nautical miles; approximately one (1) kilometer, above sea level.</p> <p>The ground range is approximately 9.37 nautical miles from Race Rocks Lighthouse to 25 Huron Street, Victoria, British Columbia. The value reported by the DME transponder must be within $\pm 10\%$ of 9.37 nautical miles.</p>	
2	Subsection 5.2.1, MR. 14	The DME Core must be capable of providing a helicopter, equipped with a standard DME transceiver, such as the BendixKing KN-62A (50 watt power output, unity gain antenna), with the ability to provide distance measurements at operating ranges of at least 50 nautical miles (ground range) under ideal weather conditions and clear line of sight.	<p>A single CCG helicopter, using a BendixKing KN-62A DME interrogator, will fly fifty (50) nautical miles, ground range, towards Port Renfrew, British Columbia. Hovering between a height of one-half (0.5) to one (1) nautical mile, the helicopter DME interrogator will be switched on.</p> <p>The DME interrogator must connect and correctly display the slant range to the DME transponder being used for the Acceptance Trials, located at 25 Huron Street. A similar slant range must be displayed on both the DME interrogator and transponder.</p>	
3	Subsection 5.2.1, MR. 15	The transmitter and receiver function of the DME Core must have the capability to be configured to operate on any of the one-hundred-twenty-six (126) X and Y channels identified in ICAO Annex 10.	<p>A single helicopter DME interrogator will switch to five (5) different channels, selected by CCG and not revealed to the Contractor until the day of testing.</p> <p>The DME transponder being used for Acceptance Trials must change to the correct channel and successfully connect with the helicopter DME interrogator for all five (5) tests.</p>	

Distance Measuring Equipment National Individual Standing Offer/Statement of Requirements
Appendix C

4	Subsection 5.2.2., MR. 16	The DME Core must be capable of being installed in an equipment room that physically differs from the location of the antenna and DME bridge control unit.	Will be observed during setup of equipment for acceptance trials.
5	Subsection 5.2.2., MR. 17	The DME Core must not exceed 48" H x 24" W x 24" D.	Measurements of the unit will be taken on site.
6	Subsection 5.2.3., MR. 18	The DME Core must be capable of being configured to transmit at any power level between 100 watts and 500 watts.	DME transmit power will be varied and monitored using a Bird 43 power meter, inline between the DME core and antenna. The Bird 43 power meter and slugs will have been calibrated within the last year at the DND Calibration Centre in Victoria, BC.
7	Subsection 5.2.3., MR. 19	The electronics associated with the DME Core must be capable of being powered by either of the following power sources: a. 115 VAC ±10% circuit, b. 24 VDC ±15%, two wire ungrounded, or c. 12 VDC ±15%, two wire negative ground.	Will be observed during setup of equipment for acceptance trials.
8	Subsection 5.3.1., MR. 21	The Transmitter signal must not interfere with the normal operation of other marine based communication systems when installed on the exterior of the ship. Other marine based communication systems may include but not limited to the following: radar, X-Band and S-Band; VHF radio; Automatic Identification System (AIS), INMARSAT C, Iridium Satellite Communication, Differential Global Position System (DGPS), etc.	The DME Antenna will be placed on the roof of the building within the CCG Electronics Department antenna farm. The DME antenna will be standing approximately one (1) meter off of roof, inline with the other antennas of concern. The DME antenna will be no more than three (3) meters away from any VHF, AIS, GPS, satellite dish, radar turning unit, or MF-HF antenna. Receivers will be monitored for total loss of connectivity.
9	Subsection 5.3.2., MR. 23	The length of the antenna must not exceed 48 inches.	Will be observed during setup of equipment for acceptance trials.
10	Subsection 5.3.3., MR. 25	c. Be sufficient strength to ensure that the operating distance prescribed in this specification is successfully achieved.	Will be observed during Acceptance Trial #2 (Subsection 5.2.1., MR. 14) using antenna specified in bid.
11		The DME Bridge Controller must feature a menu driven, graphical user interface that provides users with the following functionality:	
12		a. Turn on and off the transmitted signal,	Demo by contractor.
13		b. Perform basic functions required for operating the equipment,	Demo by contractor.
14		c. Configure the operating parameters associated with the equipment,	Demo by contractor.
15		d. Execute diagnostic routines,	Demo by contractor.
16		e. Display the details pertaining to any warnings or alarms, and f. Display the status of the equipment.	Demo by contractor.
17		The DME Bridge Controller must have an audio alarm feature that supports the following functionality: a. Can be turned on or off by the user, b. Can be configured by the user such that any combination of alarms/warnings can trigger an audio sound, and c. Emits an audio sound when the pre-set condition is realized.	Demo by contractor.
18	Subsection 5.4.1., MR. 30		
19			

Distance Measuring Equipment National Individual Standing Offer/Statement of Requirements
Appendix C

20	Subsection 5.4.1., MR. 31	The DME Bridge Controller must provide users with the ability to determine the number of Automatic Direction Finder (ADF) equipped helicopters that are currently connected to the DME system.	Two helicopters will fly away from the CCG base in different directions - one to Trial Island, one to Race Rocks. Both helicopters will be monitored on the DME Bridge Controller supplied for the Acceptance Trial.
21	Subsection 5.4.1., MR. 32	The DME Bridge Controller user interface must have the capability to display the user and the slant range distance associated with each helicopter.	Two helicopters will fly away from the CCG base in different directions - one to Trial Island, one to Race Rocks. The slant range of both helicopters will be monitored on the DME Bridge Controller supplied for the Acceptance Trial.
22	Subsection 5.4.1., MR. 33	All user configurable settings must be stored in non-volatile memory and must persist across power cycles.	The DME core will be powered down (power source physically removed) for 5 minutes. Power will be returned to the DME Core and settings will be verified. The test will be repeated a second time with both the DME core and DME Bridge Controller powered down for 5 minutes together (power physically removed). Power will be returned to the DME Core and DME Bridge Controller and settings will be verified.
23	Subsection 5.4.2., MR. 34	The DME Bridge Controller must be cable of being installed on the bridge of a ship that physically differs from the location of the antenna and DME core unit.	Will be observed during setup of equipment for acceptance trials.
24	Subsection 5.4.3, MR. 35	The electronics associated with the DME Bridge Controller must be capable of being powered by either of the following power sources: a. 115 VAC \pm 10% circuit, b. 24 VDC \pm 15%, two wire ungrounded, or c. 12 VDC \pm 15%, two wire negative ground.	Will be observed during setup of equipment for acceptance trials.
25	Subsection 5.5.1., DR. 3 (if applicable)	The primary function of the maintenance port should be to provide maintenance technicians with the ability to connect to the DME over an Ethernet based network in order to perform maintenance and diagnostic tasks.	A CCG provided laptop will be used to interface with the maintenance port.
26	Subsection 5.5.1., DR. 4 (if applicable)	The DME system should ensure that only authorized users are permitted to connect to the DME system. This should be achieved by means of a username and password.	A CCG provided laptop will be used to interface with the maintenance port.
27		The maintenance port should provide the user with the ability to perform the following functions: a. Configure/set the operating parameters associated with the equipment, b. Execute diagnostic routines, c. Display the details pertaining to any warnings or alarms, and d. Display the status of the equipment.	A CCG provided laptop will be used to interface with the maintenance port.
28			A CCG provided laptop will be used to interface with the maintenance port.
29			A CCG provided laptop will be used to interface with the maintenance port.
30			A CCG provided laptop will be used to interface with the maintenance port.

Sollicitation No. - N° de l'invitation
F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
XLV591

Client Ref. No. - N° de réf. du client
F1701-180056

File No. - N° du dossier
XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

ANNEX B - BASIS OF PAYMENT

TABLE B.1 ACCEPTANCE TRIALS

B1a. ITEM 1	Acceptance Trials	\$
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Acceptance Trial NOTES:

The Price for item B 1a. is the total cost for the acceptance trials including mobilization costs.

Mobilization cost is the complete cost for mobilizing all required resources to and from 25 Huron S., Victoria BC, for the purpose of conducting the Acceptance Trials, and includes but is not limited to: labour during travel, transportation, meals, accommodations, and/or shipping of tools.

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

TABLE B.2 INITIAL PERIOD 2019 to 2021

(exact dates to be filled in upon

issuance of standing offer)

ITEMS	Delivery Location - DDP Incoterms 2010				
	Victoria, BC	Burlington, ON	Quebec City, QC	Dartmouth, NS	St. John's, NL
B2a. DME Core	\$	\$	\$	\$	\$
B2b. DME Bridge Controller	\$	\$	\$	\$	\$
B2c. DME Antenna	\$	\$	\$	\$	\$
B2d. Manuals	\$	\$	\$	\$	\$
B2e. Special Tools	\$	\$	\$	\$	\$
B2f. Licensing	\$	\$	\$	\$	\$

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

TABLE B.3 FIRST OPTION YEAR 2021 to 2022

(exact dates to be filled in upon issuance of standing offer)

ITEMS	Delivery Location - DDP Incoterms 2010					
	Victoria, BC	Burlington, ON	Quebec City, QC	Dartmouth, NS	St. John's, NL	
B3a. DME Core	\$	\$	\$	\$	\$	\$
B3b. DME Bridge Controller	\$	\$	\$	\$	\$	\$
B3c. DME Antenna	\$	\$	\$	\$	\$	\$
B3d. Manuals	\$	\$	\$	\$	\$	\$
B3e. Special Tools	\$	\$	\$	\$	\$	\$
B3f. Licensing	\$	\$	\$	\$	\$	\$

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

TABLE B.4 SECOND OPTION YEAR 2022 to 2023

(exact dates to be filled in upon issuance of standing offer)

ITEMS	Delivery Location - DDP Incoterms 2010					
	Victoria, BC	Burlington, ON	Quebec City, QC	Dartmouth, NS	St. John's, NL	
B4a. DME Core	\$	\$	\$	\$	\$	\$
B4b. DME Bridge Controller	\$	\$	\$	\$	\$	\$
B4c. DME Antenna	\$	\$	\$	\$	\$	\$
B4d. Manuals	\$	\$	\$	\$	\$	\$
B4e. Special Tools	\$	\$	\$	\$	\$	\$
B4f. Licensing	\$	\$	\$	\$	\$	\$

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

File No. - N° du dossier

XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

TABLE B.5 THIRD OPTION YEAR 2023 to 2024

(exact dates to be filled in upon issuance of standing offer)

ITEM	Delivery Location - DDP Incoterms 2010					
	Victoria, BC	Burlington, ON	Quebec City, QC	Dartmouth, NS	St. John's, NL	
B5a. DME Core	\$	\$	\$	\$	\$	\$
B5b. DME Bridge Controller	\$	\$	\$	\$	\$	\$
B5c. DME Antenna	\$	\$	\$	\$	\$	\$
B5d. Manuals	\$	\$	\$	\$	\$	\$
B5e. Special Tools	\$	\$	\$	\$	\$	\$
B5f. Licensing	\$	\$	\$	\$	\$	\$

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

XLV-8-41151

ANNEX C – REPORTING REQUIREMENTS

The Offeror must provide reporting in accordance with 7.3.2 Standing Offers Reporting in accordance with table C.1 below.

TABLE C.1 REPORTING PERIOD _____ to _____

ITEM	NUMBER OF UNITS DELIVERED IN PERIOD INDICATED						VALUES
	Victoria, BC	Burlington, ON	Quebec City, QC	Dartmouth, NS	St. John's, NL	TOTALS	
C1a. DME Core							
C1b. DME Bridge Controller							
C1c. DME Antenna							
C1d. Manuals							
C1e. Special Tools							
C1f. Licensing							
							GRAND TOTAL

Sollicitation No. - N° de l'invitation

F1701-180056/A

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

F1701-180056

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

CCC No./N° CCC - FMS No./N° VME

ANNEX D – TECHNICAL EVALUATION

D-1 GENERAL

D-1.1 The general requirement for the Offeror's Technical Offer is stated at Part 3 of the Request for Standing Offer (RFSO).

D-1.2 The Evaluation Procedure is stated at Part 4 of the RFSO. The evaluation procedure indicates the composition of the evaluation team. This Annex gives the detailed Evaluation Criteria and Scoring Procedure.

D-1.3 In order that a complete technical evaluation of the Offer can be conducted, the Offer must be compliant with all of the Offer deliverable requirements, which are summarized under Part 3 of the RFSO. It is the Offeror's responsibility to clearly demonstrate their capabilities and capacity to all the requirements stated in the RFSO, Requirement and other attachments. Offeror's should describe their capabilities, how they will comply with mandatory requirements, and how they will deliver any other requested goods and/or services.

D-1.4 It is requested that the Offeror present topics in the order of these evaluation criteria and under the same headings and numbering scheme. Alternatively, the Offeror should include in their Technical Offer an applicability matrix wherein they identify, by page number, where each of the criteria is addressed in their Offer.

TABLE D1 – TECHNICAL EVALUATION - MANDATORY REQUIREMENTS

Mandatory Requirements Evaluation			
#	SOR Reference	Description of Requirement	Offeror Reference Pass/Fail
<i>The Offeror must supply a reference from Technical Documentation and/or industry recognized certificate that proves each of the following requirements:</i>			
R1	Subsection 3.2, MR. 5	The commercial documentation supplied with the equipment must identify all necessary corrective and preventative maintenance task or procedures.	
R2	Subsection 4.1, MR. 9	The DME system must be compliant with International Civil Aviation Organization (ICAO) Annex 10.	

R3	Subsection 4.1, MR. 10	The DME system must be compliant with USA Federal Aviation Administration (FAA) requirement FAA-E-2996: <i>Performance Specification for Distance Measuring Equipment</i> .		
R4	Subsection 4.2, MR. 12	The DME Core must provide DME transponder functionality, as defined per ICAO Annex 10, which is capable of successfully communicating with the industry standard aircraft DME units used by CCG aircraft.		
R5	Subsection 4.2.1, MR. 13	The DME Core must be capable of providing a helicopter, equipped with a standard DME transceiver, such as the BendixKing KN-62A (50 watt power output, unity gain antenna), with the ability to provide distance measurements at operating ranges of at least 50 nautical miles (ground range) under ideal weather conditions and clear line of sight.		
R6	Subsection 4.2.1, MR. 14	The transmitter and receiver function of the DME Core must have the capability to be configured to operate on any of the one-hundred-twenty-six (126) X and Y channels identified in ICAO Annex 10.		
R7	Subsection 4.2.2, MR. 16	The DME Core must not exceed 48" H x 24" W x 24" D.		
R8	Subsection 4.2.3, MR. 17	The DME Core must be capable of being configured to transmit at any power level between 100 watts and 500 watts.		
R9	Subsection 4.2.3, MR. 18	The electronics associated with the DME Core must be capable of being powered by either of the following power sources: a. 115 VAC ±10% circuit, b. 24 VDC ±15%, two wire ungrounded, or c. 12 VDC ±15%, two wire negative ground.		
R10	Subsection 4.2.4, MR. 19	The DME Core must have a temperature rating of -10°C to +50°C with a humidity rating of 5% to 90%.		
R11	Subsection 4.3.2, MR. 22	The length of the antenna must not exceed 48 inches.		

R12	Subsection 4.3.4, MR. 25	The antenna must be rated at a temperature rating of -40°C to +50°C.		
R13	Subsection 4.3.4, MR. 26	The antenna must be capable of operating in an outside marine environment which can experience humidity, strong winds, rain, snow, and ice loading conditions as specified in the FAA-G-2100H: <i>Federal Aviation Administration Application Handbook for Electronic Equipment, General Requirements.</i>		
		The DME Bridge Controller must feature a menu driven, graphical user interface that provides users with the following functionality:		
R14		a. Turn on and off the transmitted signal,		
R15		b. Perform basic functions required for operating the equipment,		
R16	Subsection 4.4.1, MR. 28	c. Configure the operating parameters associated with the equipment,		
R17		d. Execute diagnostic routines,		
R18		e. Display the details pertaining to any warnings or alarms, and		
R19		f. Display the status of the equipment.		
		The DME Bridge Controller must have an audio alarm feature that supports the following functionality:		
R20		a. Can be turned on or off by the user,		
R21	Subsection 4.4.1, MR. 29	b. Can be configured by the user such that any combination of alarms/warnings can trigger an audio sound, and		
R22		c. Emits an audio sound when the pre-set condition is realized.		

R23	Subsection 4.4.1, MR. 30	The DME Bridge Controller must provide users with the ability to determine the number of Automatic Direction Finder (ADF) equipped helicopters that are currently connected to the DME system.		
R24	Subsection 4.4.1, MR. 31	The DME Bridge Controller user interface must have the capability to display the user and the slant range distance associated with each helicopter.		
R25	Subsection 4.4.1, MR. 32	All user configurable settings must be stored in non-volatile memory and must persist across power cycles.		
R26	Subsection 4.4.3, MR. 34	The electronics associated with the DME Bridge Controller must be capable of being powered by either of the following power sources: a. 115 VAC ±10% circuit, b. 24 VDC ±15%, two wire ungrounded, or c. 12 VDC ±15%, two wire negative ground.		
R27	Subsection 4.4.4, MR. 35	The DME Bridge Controller must have a temperature rating of -10°C to +50°C with a humidity rating of 5% to 90%.		
<i>The Offeror must supply a reference from Technical Documentation and/or a technical drawing that proves each of the following requirements:</i>				
R28	Subsection 4.2.2, MR. 15	The DME Core must be capable of being installed in an equipment room that physically differs from the location of the antenna and DME bridge control unit.		
R29	Subsection 4.4.1, MR. 27	The cable connecting the DME Core to the DME Bridge Controller electronics must support installation distances up to 250 feet.		
R30	Subsection 4.3.2, MR. 21	The cable connecting the antenna to the DME Core electronics must support installation distances up to 250 feet.		
R31	Subsection 4.4.2, MR. 33	The DME Bridge Controller must be cable of being installed on the bridge of a ship that physically differs from the location of the antenna and DME core unit.		

Sollicitation No. - N° de l'invitation
F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
XLV591

Client Ref. No. - N° de réf. du client
F1701-180056

File No. - N° du dossier
XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

<p><i>The Offeror must supply a reference from Technical Documentation and/or a radiation pattern that proves each of the following requirements:</i></p>	
R32	<p>Subsection 5.3.3, MR. 23</p> <p>The antenna must feature an omnidirectional radiation pattern that transmits the desired signal with equal power in all directions.</p>
R33	<p>Subsection 5.3.3, MR. 24</p> <p>The antenna gain must:</p> <p>a. Feature a minimum gain of 6 dB on the main beam,</p> <p>b. Feature a minimum gain of 3 dB at the horizon, and</p>
R34	<p><i>The Offeror must supply a reference from Technical Documentation or a statement from the Original Equipment Manufacturer that proves each of the following requirements:</i></p>
R35	<p>Subsection 3.1, MR. 2</p> <p>The Contractor must provide all documentation developed or supplied for this procurement in Canadian English.</p>
R36	<p>Subsection 3.2, MR. 6</p> <p>The commercial documentation supplied with the equipment must identify any recommended spare parts, including Lowest Replaceable Unit (LRU) components which will be required to maintain the DME.</p>
R37	<p>Subsection 4.1, MR. 7</p> <p>All software and hardware must be COTS and the equipment must be in use by a minimum of five (5) organizations.</p>

TABLE D2 – TECHNICAL EVALUATION - POINT RATED REQUIREMENTS

Desired Requirements Evaluation					
#	SOR Reference	Description of Requirement	Points		Offeror Reference
			Points Break	Maximum Score	
The Offeror must provide references to the items specified below in order to be evaluated. The rating is performed on a scale of 600 points.					
R37	Subsection 3.1, DR. 1	Documents developed or supplied for this procurement, not including technical drawings, should be supplied in equally accurate Canadian English and French. This includes but is not limited to installation, service, and operator manuals.	<p>80 points if the installation, service, and operator manuals are provided in Canadian English and French for Offer evaluation.</p> <p>Documents provided will be reviewed for quality assurance.</p> <p>20 points if a written guarantee that the installation, service, and operator manuals will be provided in Canadian English and French within 4 months from contract award.</p> <p>0 points if indicated that the documents cannot be provided in Canadian English and French or a reference is not provided for Offer evaluation.</p>	80	

R38	Subsection 4.1, DR. 2	<p>The DME should be compliant with International Electro technical Commission (IEC) 60945-2002 Ed. 4: <i>Maritime navigation and radio communication equipment and systems – General requirements – Methods of testing and required test results.</i></p>	<p>30 points if proof of compliance is provided for Offer evaluation. 0 points if indicated that equipment is non-compliant with IEC 60945-2002 Ed. 4 or a reference is not provided for Offer evaluation.</p>	30	
R39	Subsection 4.4.1, DR. 3	<p>For the DME Bridge Controller software, Canada has preferences in the following order, however, the software will be supplied in accordance with the Contractor's Offer:</p>	<p>50 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation.</p>	50	
		<p>a. Freeware software capable of being installed on a CCG supplied PC.</p>	<p>20 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation.</p>		
		<p>b. Cost-per-license software capable of being installed on a CCG supplied PC.</p>	<p>0 points if a reference is not provided for Offer evaluation.</p>		

R40	Subsection 4.4.1, DR. 4	The Contractor supplied DME Bridge Controller runs on Microsoft Windows 10.	<p>50 points if the software runs on Microsoft Windows 10 operating system.</p> <p>20 points if the software runs on a Linux/Unix operating system.</p> <p>0 points if the software must run on any other operating system or a reference is not provided for Offer evaluation.</p>	50		
R41	Subsection 4.4.1, DR. 5	The Contractor provides updates to the DME Bridge Controller software free of charge.	<p>60 points if provided for greater than or equal to five (5) years.</p> <p>40 points if provided for greater than or equal to three (3) but less than five (5) years.</p> <p>20 points if provided for greater than zero (0) years but less than three (3) years.</p> <p>0 points if not provided free of charge or a reference is not provided for Offer evaluation.</p>	60		
R42	Subsection 4.5.1, DR. 6	The primary function of the maintenance port should be to provide maintenance technicians with the ability to connect to the DME over an Ethernet based network in order to perform maintenance and diagnostic tasks.	<p>30 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation.</p> <p>0 points if the maintenance port does not use Ethernet based network technology or a reference is not provided for Offer evaluation.</p>	30		

R43	Subsection 4.5.1, DR. 7	The DME system should ensure that only authorized users are permitted to connect to the DME system. This should be achieved by means of a username and password.	<p>30 points if a written a reference from a manufacturer manual or datasheet is provided demonstrating access control by means of a username and password.</p> <p>15 points if user access is control by other means.</p> <p>0 points if software specific user access security does not exist or a reference is not provided for Offer evaluation.</p>	30	
R44	Subsection 4.5.1, DR. 8	<p>The maintenance port should provide the user with the ability to perform the following functions:</p> <p>a. Configure/set the operating parameters associated with the equipment,</p> <p>b. Execute diagnostic routines,</p>	<p>30 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation.</p> <p>0 points if a reference is not provided for Offer evaluation.</p>	30	
R45			<p>30 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation.</p> <p>0 points if a reference is not provided for Offer evaluation.</p>	30	

R46	Subsection 4.5.1, DR. 8	<p>c. Display the details pertaining to any warnings or alarms, and</p>	<p>25 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation. 0 points if a reference is not provided for Offer evaluation.</p>	25		
R47		<p>d. Display the status of the equipment.</p>	<p>25 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation. 0 points if a reference is not provided for Offer evaluation.</p>	25		
R48	Subsection 4.5.1, DR. 9	<p>For the DME maintenance software, Canada has preferences in the following order, however, the software will be supplied in accordance with the Contractor's Offer:</p> <p>a. Freeware software capable of being installed on a CCG supplied PC.</p> <p>b. Cost-per-license software capable of being installed on a CCG supplied PC.</p> <p>c. Cost-per-license software with lease of hardware.</p>	<p>60 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation. 30 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation. 10 points if a written reference from a manufacturer manual or datasheet is provided for Offer evaluation. 0 points if a reference is not provided for Offer evaluation.</p>	60		

Sollicitation No. - N° de l'invitation
F1701-180056/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
XLV591

Client Ref. No. - N° de réf. du client
F1701-180056

File No. - N° du dossier
XLV-8-41151

CCC No./N° CCC - FMS No./N° VME

R49	Subsection 4.5.1, DR. 10	The Contractor supplied DME maintenance port software operates on Microsoft Windows 10.	<p>50 points if the software runs on Microsoft Windows 10 operating system.</p> <p>20 points if the software runs on a Linux/Unix operating system.</p> <p>0 points if the software must run on any other operating system or a reference is not provided for Offer evaluation.</p>	50		
R50	Subsection 4.5.1, DR. 11	The contractor provides updates to the DME maintenance port software free of charge.	<p>50 points if provided for greater than or equal to five (5) years.</p> <p>30 points if provided for greater than or equal to three (3) but less than five (5) years.</p> <p>10 points if provided for greater than zero (0) years but less than three (3) years.</p> <p>0 points if not provided free of charge or a reference is not provided for Offer evaluation.</p>	50		

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

ANNEX E – FINANCIAL EVALUATION**TABLE E.1 - ACCEPTANCE TRIALS**

Item ID#	LINE ITEM	COST	Additional information required with Offer	Comments
E.1 a.	*Mobilization Costs	\$	A firm fixed price for mobilizing to and from 25 Huron St. Victoria, BC.	Mobilization cost is the complete cost for all mobilization to and from 25 Huron St., Victoria BC, for the purpose of conducting the Acceptance Trials, and includes but is not limited to: Labour during travel, transportation, meals, accommodations, and/or shipping of tools.
E.1 b.	*Shipping of Equipment Incoterms DDP 2010 to CCGS Base Victoria at 25 Huron St. Victoria, BC V8V 4V9	\$	Supporting documentation in the form of a freight quote must be provided with the offer.	
E.1 c.	*Set up of equipment at Huron St. Base in Victoria, BC	\$	Offeror must indicate number of hours price is based on: _____	CCG E&I Technicians will assist with installation including mounting location of Antenna
E.1 d.	*Commission of Equipment	\$	Offeror must indicate number of hours price is based on: _____	CCG will provide an allowance for testing with CCG Helicopter during this period in accordance with ANNEX A - REQUIREMENT

Sollicitation No. - N° de l'invitation

F1701-180056/A

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

F1701-180056

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

CCC No./N° CCC - FMS No./N° VME

E.1 e.	*Testing and Trials	\$	Offeror must price based on having an FSR on site for two days to conduct testing and trials between 8am and 4pm.	CCG offers two days for testing to allow for weather. If weather prevents testing within this 2 day period, the Offeror will be paid at a prorated rate based on this value.
E.1 f.	*Decommissioning Equipment	\$	Offeror must indicate number of hours price is based on: _____	CCG E&I Technicians will assist with decommissioning of items which they assisted during the setup
E.1 g.	*Shipping of Equipment Incoterms DDP 2010 from CCGS Base Victoria at 25 Huron St. Victoria, BC V8V 4V9	\$	Supporting documentation in the form of a freight quote must be provided with the offer.	
E.1 h.	TOTAL for Evaluation (<i>E.1 h. = E.1 a. + E.1 b. + E.1 c. + E.1 d. + E.1 e. + E.1 f. + E.1 g.</i>)		\$ _____	
<p>NOTES:</p> <p>a) Item E.1 h. will be used for Basis of Payment Item B 1a in ANNEX B.</p>				

TABLE E.2 FINANCIAL EVALUATION - INITIAL TWO YEAR PERIOD (2019 to 2021)**DME CORE**

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.2 a.	Victoria, BC		2	
E.2 b.	Quebec City, QC		2	
E.2 c.	Dartmouth, NS		2	
E.2 d.	St. John's, NL		2	
E.2 e.	Evaluated SUBTOTAL (E.2 a + E.2 b + E.2 c + E.2 d = E.2 e)			

DME CONTROLLER

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.2 f.	Victoria, BC		2	
E.2 g.	Quebec City, QC		2	
E.2 h.	Dartmouth, NS		2	
E.2 i.	St. John's, NL		2	
E.2 j.	Evaluated SUBTOTAL (E.2 f + E.2 g + E.2 h + E.2 i = E.2 j)			

DME ANTENNA

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.2 k.	Victoria, BC		2	
E.2 l.	Quebec City, QC		2	
E.2 m.	Dartmouth, NS		2	
E.2 n.	St. John's, NL		2	
E.2 o.	Evaluated SUBTOTAL (E.2 k + E.2 l + E.2 m + E.2 n = E.2 o)			

MANUALS

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.2 p.	Victoria, BC		4	
E.2 q.	Quebec City, QC		4	
E.2 r.	Dartmouth, NS		4	
E.2 s.	St. John's, NL		4	
E.2 t.	Evaluated SUBTOTAL (E.2 p + E.2 q + E.2 r + E.2 s = E.2 t)			

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

SPECIALIZED TOOLS AND TEST EQUIPMENT - SHIPPING COST

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.2 u.	Victoria, BC		4	
E.2 v.	Quebec City, QC		4	
E.2 w.	Dartmouth, NS		4	
E.2 x.	St. John's, NL		4	
E.2 y.	Evaluated SUBTOTAL (E.2 u + E.2 v + E.2 w + E.2 x = E.2 y)			

MAINTENANCE SOFTWARE AND HARDWARE - (if applicable)

Item ID#		Cost per license and/or unit	Qty	Evaluated cost
E.2 z.	Licensing/hardware requirement for maintenance port Must enter a per licence/unit cost value, enter 0 if not applicable.	\$	16	\$
E.2 aa.	Evaluated SUBTOTAL (E.2 z = E.2 aa)			\$

Item ID#	TOTALS	
E.2 bb.	EVALUATED TOTAL FOR INITIAL TWO YEARS (E.2 bb = E.2 e. + E.2 j. + E.2 o. + E.2 t. + E.2 y. + E.2 aa.)	\$

TABLE E.3 FINANCIAL EVALUATION - OPTION YEAR ONE (2021 to 2022)**DME CORE**

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.3 a.	Victoria, BC		1	
E.3 b.	Quebec City, QC		1	
E.3 c.	Dartmouth, NS		1	
E.3 d.	St. John's, NL		1	
E.3 e.	Evaluated SUBTOTAL (E.3 a + E.3 b + E.3 c + E.3 d = E.3 e)			

DME CONTROLLER

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.3 f.	Victoria, BC		1	
E.3 g.	Quebec City, QC		1	
E.3 h.	Dartmouth, NS		1	
E.3 i.	St. John's, NL		1	
E.3 j.	Evaluated SUBTOTAL (E.3 f + E.3 g + E.3 h + E.3 i = E.3 j)			

DME ANTENNA

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.3 k.	Victoria, BC		1	
E.3 l.	Quebec City, QC		1	
E.3 m.	Dartmouth, NS		1	
E.3 n.	St. John's, NL		1	
E.3 o.	Evaluated SUBTOTAL (E.3 k + E.3 l + E.3 m + E.3 n = E.3 o)			

MANUALS

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.3 p.	Victoria, BC		2	
E.3 q.	Quebec City, QC		2	
E.3 r.	Dartmouth, NS		2	
E.3 s.	St. John's, NL		2	
E.3 t.	Evaluated SUBTOTAL (E.3 p + E.3 q + E.3 r + E.3 s = E.3 t)			

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

SPECIALIZED TOOLS AND TEST EQUIPMENT - SHIPPING COST

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.3 u.	Victoria, BC		2	
E.3 v.	Quebec City, QC		2	
E.3 w.	Dartmouth, NS		2	
E.3 x.	St. John's, NL		2	
E.3 y.	Evaluated SUBTOTAL (E.3 u + E.3 v + E.3 w + E.3 x = E.3 y)			

MAINTENANCE SOFTWARE AND HARDWARE - (if applicable)

Item ID#		Cost per license and/or unit	Qty	Evaluated cost
E.3 z.	Licensing/hardware requirement for maintenance port Must enter a per licence/unit cost value, enter 0 if not applicable.	\$	24	\$
E.3 aa.	Evaluated SUBTOTAL (E.3 z = E.3 aa)			\$

Item ID#	TOTALS	
E.3 bb.	EVALUATED TOTAL FOR OPTION YEAR ONE (E.3 bb = E.3 e. + E.3 j. + E.3 o. + E.3 t. + E.3 y. + E.3 aa.)	\$

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

TABLE E.4 FINANCIAL EVALUATION - OPTION YEAR TWO (2022 to 2023)**DME CORE**

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.4 a.	Victoria, BC		1	
E.4 b.	Quebec City, QC		1	
E.4 c.	Dartmouth, NS		1	
E.4 d.	St. John's, NL		1	
E.4 e.	Evaluated SUBTOTAL (E.4 a + E.4 b + E.4 c + E.4 d = E.4 e)			

DME CONTROLLER

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.4 f.	Victoria, BC		1	
E.4 g.	Quebec City, QC		1	
E.4 h.	Dartmouth, NS		1	
E.4 i.	St. John's, NL		1	
E.4 j.	Evaluated SUBTOTAL (E.4 f + E.4 g + E.4 h + E.4 i = E.4 j)			

DME ANTENNA

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.4 k.	Victoria, BC		1	
E.4 l.	Quebec City, QC		1	
E.4 m.	Dartmouth, NS		1	
E.4 n.	St. John's, NL		1	
E.4 o.	Evaluated SUBTOTAL (E.4 k + E.4 l + E.4 m + E.4 n = E.4 o)			

MANUALS

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.4 p.	Victoria, BC		2	
E.4 q.	Quebec City, QC		2	
E.4 r.	Dartmouth, NS		2	
E.4 s.	St. John's, NL		2	
E.4 t.	Evaluated SUBTOTAL (E.4 p + E.4 q + E.4 r + E.4 s = E.4 t)			

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

SPECIALIZED TOOLS AND TEST EQUIPMENT - SHIPPING COST

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.4 u.	Victoria, BC		2	
E.4 v.	Quebec City, QC		2	
E.4 w.	Dartmouth, NS		2	
E.4 x.	St. John's, NL		2	
E.4 y.	Evaluated SUBTOTAL (E.4 u + E.4 v + E.4 w + E.4 x = E.4 y)			

MAINTENANCE SOFTWARE AND HARDWARE - (if applicable)

Item ID#		Cost per license and/or unit	Qty	Evaluated cost
E.4 z.	Licensing/hardware requirement for maintenance port Must enter a per licence/unit cost value, enter 0 if not applicable.	\$	32	\$
E.4 aa.	Evaluated SUBTOTAL (E.4 z = E.4 aa)			\$

Item ID#	TOTALS	
E.4 bb.	EVALUATED TOTAL FOR OPTION YEAR TWO (E.4 bb = E.4 e. + E.4 j. + E.4 o. + E.4 t. + E.4 y. + E.4 aa.)	\$

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

TABLE E.5 FINANCIAL EVALUATION - OPTION YEAR THREE (2023 to 2024)**DME CORE**

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.5 a.	Victoria, BC		1	
E.5 b.	Quebec City, QC		1	
E.5 c.	Dartmouth, NS		1	
E.5 d.	St. John's, NL		1	
E.5 e.	Evaluated SUBTOTAL (E.5 a + E.5 b + E.5 c + E.5 d = E.5 e)			

DME CONTROLLER

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.5 f.	Victoria, BC		1	
E.5 g.	Quebec City, QC		1	
E.5 h.	Dartmouth, NS		1	
E.5 i.	St. John's, NL		1	
E.5 j.	Evaluated SUBTOTAL (E.5 f + E.5 g + E.5 h + E.5 i = E.5 j)			

DME ANTENNA

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.5 k.	Victoria, BC		1	
E.5 l.	Quebec City, QC		1	
E.5 m.	Dartmouth, NS		1	
E.5 n.	St. John's, NL		1	
E.5 o.	Evaluated SUBTOTAL (E.5 k + E.5 l + E.5 m + E.5 n = E.5 o)			

MANUALS

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.5 p.	Victoria, BC		2	
E.5 q.	Quebec City, QC		2	
E.5 r.	Dartmouth, NS		2	
E.5 s.	St. John's, NL		2	
E.5 t.	Evaluated SUBTOTAL (E.5 p + E.5 q + E.5 r + E.5 s = E.5 t)			

Sollicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

F1701-180056/A

XLV591

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

F1701-180056

XLV-8-41151

SPECIALIZED TOOLS AND TEST EQUIPMENT - SHIPPING COST

Item ID#	Delivery Location DDP Incoterms 2010	Cost per Unit	Qty	Evaluated Cost
E.5 u.	Victoria, BC		2	
E.5 v.	Quebec City, QC		2	
E.5 w.	Dartmouth, NS		2	
E.5 x.	St. John's, NL		2	
E.5 y.	Evaluated SUBTOTAL (E.5 u + E.5 v + E.5 w + E.5 x = E.5 y)			

MAINTENANCE SOFTWARE AND HARDWARE - (if applicable)

Item ID#		Cost per license and/or unit	Qty	Evaluated cost
E.5 z.	Licensing/hardware requirement for maintenance port Must enter a per licence/unit cost value, enter 0 if not applicable.	\$	40	\$
E.5 aa.	Evaluated SUBTOTAL (E.5 z = E.5 aa)			\$

Item ID#	TOTALS	
E.5 bb.	EVALUATED TOTAL FOR OPTION YEAR THREE (E.5 bb = E.5 e. + E.5 j. + E.5 o. + E.5 t. + E.5 y. + E.5 aa.)	\$

Sollicitation No. - N° de l'invitation

F1701-180056/A

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

F1701-180056

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

CCC No./N° CCC - FMS No./N° VME

Table E.6 FINAL EVALUATED TOTAL

Item ID#	EVALUATED TOTALS FROM TABLES E.1 TO E.5	VALUES
E.6 a.	E.1 ACCEPTANCE TRIALS <i>(Item E.1 h.)</i>	\$
E.6 b.	E.2 INITIAL TWO YEARS EVALUATED TOTAL <i>(Item E.2 bb.)</i>	\$
E.6 c.	E.4 FIRST OPTION YEAR EVALUATED TOTAL <i>(Item E.3 bb.)</i>	\$
E.6 d.	E.4 SECOND OPTION YEAR EVALUATED TOTAL <i>(Item E.4 bb.)</i>	\$
E.6 e.	E.5 THIRD OPTION YEAR EVALUATED TOTAL <i>(Item E.5 bb.)</i>	\$
E.6 f.	FINAL EVALUATED TOTAL <i>(E.6 f. = E.6 a. + E.6 b. + E.6 c. + E.6 d. + E.6 e.)</i>	\$

Sollicitation No. - N° de l'invitation

F1701-180056/A

Amd. No. - N° de la modif.

File No. - N° du dossier

XLV-8-41151

Buyer ID - Id de l'acheteur

XLV591

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

F1701-180056

CCC No./N° CCC - FMS No./N° VME

ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Offeror must complete the information requested below, to identify which electronic payment instruments are accepted for the payment of invoices.

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

- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);