



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Réception des soumissions - TPSGC / Bid Receiving
- PWGSC

Voir dans le document/
See herein

NA
Quebec
NA

Title - Sujet OAC Nationale - Feux d'alignement	
Solicitation No. - N° de l'invitation F3051-200035/A	Date 2022-02-25
Client Reference No. - N° de référence du client F3051-200035	GETS Ref. No. - N° de réf. de SEAG PW-\$QCV-025-18301
File No. - N° de dossier QCV-0-43148 (025)	CCC No./N° CCC - FMS No./N° VME

Solicitation Closes - L'invitation prend fin
at - à 02:00 PM Eastern Standard Time EST
on - le 2022-03-30 Heure Normale du l'Est HNE

Delivery Required - Livraison exigée
Voir Doc.

Address Enquiries to: - Adresser toutes questions à: Novac, Ioana	Buyer Id - Id de l'acheteur qcv025
Telephone No. - N° de téléphone (438)355-1366 ()	FAX No. - N° de FAX () -

Destination - of Goods, Services, and Construction:
Destination - des biens, services et construction:
6 Bases de la GCC panacanadiennes. Liste dans l'énoncé des besoins

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

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

TPSGC/PWGSC
1550 Avenue d'Estimauville
Québec
Québec
G1J 0C7

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION.....	3
1.1 INTRODUCTION.....	3
1.2 SUMMARY.....	3
1.3 DEBRIEFINGS.....	4
1.4 ANTICIPATED MIGRATION TO AN E-PROCUREMENT SOLUTION (EPS).....	4
PART 2 - OFFEROR INSTRUCTIONS.....	4
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS.....	4
2.2 SUBMISSION OF OFFERS.....	4
2.3 ENQUIRIES - REQUEST FOR STANDING OFFERS.....	5
2.4 APPLICABLE LAWS.....	5
2.5 BID CHALLENGE AND RECOURSE MECHANISMS.....	5
PART 3 - OFFER PREPARATION INSTRUCTIONS.....	6
3.1 OFFER PREPARATION INSTRUCTIONS.....	6
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION.....	7
4.1 EVALUATION PROCEDURES.....	7
4.2 BASIS OF SELECTION.....	7
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION.....	8
5.1 CERTIFICATIONS REQUIRED WITH THE OFFER.....	8
5.2 CERTIFICATIONS PRECEDENT TO THE ISSUANCE OF A STANDING OFFER AND ADDITIONAL INFORMATION.....	9
PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS.....	10
6.1 SECURITY REQUIREMENTS.....	10
6.2 FINANCIAL CAPABILITY.....	10
PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES.....	10
A. STANDING OFFER.....	10
7.A.1 OFFER.....	10
7.A.2 SECURITY REQUIREMENTS.....	10
7.A.3 STANDARD CLAUSES AND CONDITIONS.....	10
7.A.4 TERM OF STANDING OFFER.....	11
7.A.5 AUTHORITIES.....	11
7.A.6 IDENTIFIED USERS.....	12
7.A.7 CANADA'S RIGHT TO REQUIRE THE SUBMISSION OF A SAMPLE.....	13
7.A.8 CALL-UP INSTRUMENT.....	13
7.A.9 LIMITATION OF CALL-UPS.....	14
7.A.10 FINANCIAL LIMITATION.....	14
7.A.11 PRIORITY OF DOCUMENTS.....	14
7.A.12 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	14
7.A.13 APPLICABLE LAWS.....	15
7.A.14 TRANSITION TO AN E-PROCUREMENT SOLUTION (EPS).....	15
B. RESULTING CONTRACT CLAUSES.....	15
7.B.1 REQUIREMENT.....	15
7.B.2 STANDARD CLAUSES AND CONDITIONS.....	15
7.B.3 TERM OF CONTRACT.....	16
7.B.4 PAYMENT.....	16
7.B.5 INVOICING INSTRUCTIONS.....	17
7.B.6 INSURANCE.....	17

N° de l'invitation - Solicitation No.

F3051-200035/A

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

F3051-200035

N° de la modif - Amd. No.

File No. - N° du dossier
QCV-0-43148

Id de l'acheteur - Buyer ID

QCV025

N° CCC / CCC No./ N° VME - FMS

7.B.7	SACC MANUAL CLAUSES	17
7.B.8	DISPUTE RESOLUTION	17
ANNEX A	REQUIREMENT	18
ANNEX B	BASIS OF PAYMENT	25
ANNEX C	MANDATORY TECHNICAL CRITERIA AND POINT RATED TECHNICAL CRITERIA	27
ANNEX D	BOLT CIRCLE	37
ANNEX E	OEM CERTIFICATION	38
ANNEX F	USAGE REPORT	39
ANNEX G	LIST OF DIRECTORS.....	40
ANNEX H	ELECTRONIC PAYMENT INSTRUMENTS	41

PART 1 - GENERAL INFORMATION

1.1 Introduction

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

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

The Annexes include the Statement of Work, the Basis of Payment, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification and any other annexes

1.2 Summary

1.2.1 This is a request for Standing Offer (RFSO) for the Department of Fisheries and Oceans – Canadian Coast Guard (CCG), who wishes to acquire approximately 500 lanterns (range lights) that will be deployed across the country at various aids to navigation sites (6 different delivery points, as detailed in the Annex A- Requirement. There are 4 different types of range lights needed:

- 1- LED (light emitting diode) range lights for navigation aids. Type 1 lantern with adjustable light intensity up to **77 Cd**
- 2- LED (light emitting diode) range lights for aids to navigation. Type 2 lantern with adjustable light intensity up to **1 375 Cd**
- 3- LED leading lights (light emitting diode) for navigation aids. Type 3 lantern with adjustable light intensity up to **13 800 Cd**
- 4- LED leading lights (light emitting diode) for navigation aids. Type 4 lantern with adjustable light intensity up to **110 000 Cd**

Bidders can bid for any type of range light they wish, or for all of them.

The Standing Offer will be national but managed by the Arctic Region, Saint-Laurent sector, Quebec.

The Standing Offer will be for one year with the possibility of an extension for two years.

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.

This standing offer also consist in the examination of a sample. Please consult the standing offer's section 7.A.7 "Canada's Right to Require the Submission of a Sample" for more details.

1.2.2 The Request for Standing Offers (RFSO) is to establish National Master Standing Offers for the delivery of the requirement detailed in the RFSO, to the Authorized Users across Canada, **including** areas subject to Comprehensive Land Claims Agreements (CLCAs).

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.

1.4 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 7.14 Transition to an e-Procurement Solution (EPS).

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

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2006](#) (2020-05-28) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

2.2 Submission of Offers

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Quebec Region Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation.

2.2.1 Epost Connect

Bidders choosing to submit using epost Connect must send an email requesting to open an epost Connect conversation to the following address:

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

Note: **Bids will not be accepted if emailed directly to this email address.** This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003 \(https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/active\)](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/active), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date.

[Steps to follow for the Bid Submission to Bid Receiving Unit \(BRU\) using epost Connect \(https://buyandsell.gc.ca/steps-to-follow-for-the-bid-submission-to-bid-receiving-unit-bru-using-epost-connect\)](https://buyandsell.gc.ca/steps-to-follow-for-the-bid-submission-to-bid-receiving-unit-bru-using-epost-connect)

2.2.2 Facsimile

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

2.2.3 Bids transmitted by hardcopy 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 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 Quebec.

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.

2.5 Bid Challenge and Recourse Mechanisms

(a) Several mechanisms are available to potential offerors to challenge aspects of the procurement process up to and including contract award.

- (b) Canada encourages offerors to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
- Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Offerors should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Offerors should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1 Offer Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

Bids transmitted by hardcopy will not be accepted.

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

Section I: Technical Offer

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

Section II: Financial Offer

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

3.1.1 Electronic Payment of Invoices - Offer

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

If Annex H 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

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

- a) The Offeror must provide the make and model of the proposed device by completing Annex B.
- b) Although the offerors must propose products that meet all the specifications described in the Annex A at the closure date, bids will be evaluated on the following technical requirements at Annex C Mandatory Technical Criteria and Point Rated Technical Criteria.

IMPORTANT: The offeror should indicate, for each mandatory criteria, whether the proposed equipment complies or not by filling the appropriate box. **The offeror must clearly demonstrate how the proposed equipment complies to each mandatory technical criteria at Annex C. Simply stating that the criteria are met is not sufficient.** Where it is necessary to refer to other documentation that is included in the proposal, offerors should include the precise location of the reference material including the title of the document, and the page and paragraph numbers. It is the bidder's responsibility to provide enough details to permit a complete evaluation.

Any proposal that does not clearly demonstrate compliance with each of the technical requirements listed in the Annex C "Mandatory Technical Criteria and Point Rated Technical Criteria" for which the offeror wishes to bid will be considered non-responsive.

4.1.1.2 Point Rated Technical Criteria (Assets)

Each bid meeting all of the mandatory technical criteria, will be evaluated and noted in accordance with the point rated evaluation criteria, as detailed in section 2 of the Annex C - Mandatory Technical Criteria and Point Rated Technical Criteria.

4.1.2 Financial Evaluation

M0222T (2016-01-28), Evaluation of Price - Canadian/Foreign Offerors

4.2 Basis of Selection

- 1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
- 2. Bids not meeting "(a) or (b) will be declared non-responsive.
- 3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 40 % for the technical merit and 60 % for the price.

4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 40 %.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 60 %.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		83.84	75.56	80.89
Overall Rating		1st	3rd	2nd

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Offer

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.1.2 Additional Certifications Required with the Offer

5.2 Certifications Precedent to the Issuance of a Standing Offer and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list) available at the bottom of the page of the [Employment and Social Development Canada-Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

5.2.3 Bidder certifies that All Equipment is "Off-the-Shelf"

Any equipment bid to meet this requirement must be "off-the-shelf" (unless otherwise stated in this bid solicitation), meaning that each item of equipment is commercially available and requires no further research or development and is part of an existing product line with a field-proven operational history (that is, it has not simply been tested in a laboratory or experimental environment). If any of the equipment bid is a fully compatible extension of a field-proven product line, it must have been publicly announced on or before the bid closing date. By submitting a bid, the Bidder is certifying that the entire equipment bid is off-the-shelf.

5.2.4 OEM Certification (Annex E)

- (a) Any Offeror that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its offer is required to submit the OEM's certification regarding the Offeror's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Offeror).
- (b) No Standing Offer will be awarded to an Offeror who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM certification has been provided to Canada. Offerors are requested

to use the OEM Certification Form included with the standing offer solicitation. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Offerors/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided. Alterations to the statements in the form may result in the offer being declared non-responsive.

- (c) If the hardware proposed by the Offeror originates with multiple OEMs, a separate OEM certification is required from each OEM.

For the purposes of this standing offer solicitation, EOM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Financial Capability

SACC Manual clause [M9033T](#) (2011-05-16) Financial Capability

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

7.A.1 Offer

7.A.1.1 The Offeror offers to fulfill the requirement in accordance with the Requirement at Annex "A".

7.A.2 Security Requirements

7.A.2.1 There is no security requirement applicable to the Standing Offer.

7.A.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.A.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.A.3.2 Supplemental General Conditions

[4001](#) (2015-04-01), Hardware Purchase, Lease and Maintenance apply to and form part of the Standing Offer.

Section 14 of Supplemental general conditions 4001(2015-04-01) is amended by replacing the period of 12 months by 60 months.

All other provisions of the warranty section remain in effect.

7.A.3.3 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 entitled Annex F "Usage Report". 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:

- January 1st to April 30th
- May 1st to August 31st
- September 1st to December 31st

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

7.A.4 Term of Standing Offer

7.A.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is for 12 months from the date of the standing offer, from 2022-06-01 à 2023-06-01 ([exact dates to be confirmed at the award of the standing offer](#)).

7.A.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 an additional 2 periods of one (1) year each, from June 1st 2023 to May 31st 2024 and from June 1st 2024 to May 31st 2025 ([exact dates to be confirmed at the award of the standing offer](#)) 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 Authorized Users across Canada, including areas subject to Comprehensive Land Claims Agreements (CLCAs).

7.A.4.3 Delivery Points

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

7.A.5 Authorities

7.A.5.1 Standing Offer Authority

The Standing Offer Authority is:

Name: Ioana Novac

Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Quebec Region
Address: Place Bonaventure, 800 de la Gauchetière Ouest, Suite 7300.

Telephone: 438-355-1366
E-mail address: Ioana.Novac@tpsgc-pwgsc.gc.ca

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

7.A.5.2 Project Authority

The Project Authority for the Standing Offer is (will be completed at standing offer award).

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

Telephone: ____ - ____ - ____
Facsimile: ____ - ____ - ____
E-mail address: _____

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

7.A.5.3 Offeror's Representative

(will be completed at standing offer award).

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

Telephone: _____
Facsimile: _____
E-mail address: _____

7.A.6 Identified Users

The Identified Users authorized to make call-ups against the Standing Offer are:

- Superintendent of Marine and Civil Infrastructure, Technical Services Directorate, CCG
- Engineers, Marine and Civil Infrastructures, Technical Services, CCG
- Engineering Manager, Marine and Civil Infrastructure, GCC
- Workshop Foreman, Marine and Civil Infrastructure, CCG
- Technicians, Maritime and Civil Infrastructures, CCG
- Production Coordinators, Maritime and Civil Infrastructure, CCG

Important:

- All Call-ups against the Standing Offer must be approved in advance by the project authority.
- Please note that for each delivery point, the Identified Users must order the starting kit with the first order only.

7.A.7 Canada's Right to Require the Submission of a Sample

- a) Canada may, but will have no obligation to, require that the Offerors, whose offer has been evaluated as meeting the mandatory criteria (determined after the technical evaluation), provide a sample of the goods that it has bid, to allow Canada to verify compliance of the product with any of the requirements of the Standing Offer solicitation.
- b) If required by Canada, the sample must be delivered, at no cost to Canada, to a location in Canada specified by the Contracting Authority, within five (5) working days of the Contracting Authority's request. The Offeror must provide the Contracting Authority with all passwords or other information required in order to test and examine the sample. Canada may, in its discretion, request that the Offeror attend the testing.
- c) Despite the written offer, if Canada determines as a result of examining the sample that the Offeror's proposed product does not meet the mandatory requirements of the solicitation, the offer will be declared non-compliant.
- d) If there are rated requirements in the solicitation, the following applies:
 - (i) Canada may, as a result of examining the sample, reduce the score of the Offeror on any rated requirement, if the examination of the sample indicates that the score provided to the Offeror on the basis of its written bid is not validated by the examination.
 - (ii) The Offeror's score will not be increased as a result of the examination of any sample.
- e) If it reduces the score of one or more Offeror(s) following the examination of the samples, Canada will reassess the ranking of all Offerors.
- f) Following the standing offer's award, Canada will return the samples at its own costs.

7.A.8 Call-up Instrument

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

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

or

3. An equivalent form or electronic call-up document which contains at a minimum the following information:

- standing offer number;
- statement that incorporates the terms and conditions of the Standing Offer;
- description and unit price for each line item;
- total value of the call-up;
- point of delivery;
- confirmation that funds are available under section 32 of the Financial Administration Act;
- confirmation that the user is an Identified User under the Standing Offer with authority to enter into a contract.

7.A.9 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$ 100,000.00 (Applicable Taxes included).

7.A.10 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$ 2 000 000.00 (*Applicable Taxes excluded*) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or 3 months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

7.A.11 Priority of Documents

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

- a. the call up against the Standing Offer, including any annexes;
- b. the articles of the Standing Offer;
- c. the general conditions [2005](#) (2017-06-21) General Conditions - Standing Offers - Goods or Services
- d. the supplemental general conditions 4001 (2015-04-01) Hardware Purchase, Lease and Maintenance
- e. Annex A, Requirement
- f. Annex B, Basis of Payment
- g. Annex D, Bolt Circle
- h. Annex F, Usage Report
- i. The Offeror's offer date _____ (will be completed at standing offer award).

7.A.12 Certifications and Additional Information

7.A.12.1 Compliance

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

7.A.12.2 SACC Manual Clauses

G1005C	2016-01-28	Insurance
B1000T	2014-06-26	Condition of Material
B7500C	2006-06-16	Excess Goods
D9002C	2007-11-30	Incomplete Assemblies
B1501C	2018-06-21	Electrical Equipment

7.A.13 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in (will be completed at SO award)

7.A.14 Transition to an e-Procurement Solution (EPS)

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

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

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

B. RESULTING CONTRACT CLAUSES

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

7.B.1 Requirement

The Contractor must provide the items detailed in the call-up against the Standing Offer.

7.B.2 Standard Clauses and Conditions

7.B.2.1 General Conditions

2010A (2021-12-02), General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

Section 16 Interest on Overdue Accounts, of 2010A (2021-12-02), General Conditions - Goods (Medium Complexity) will not apply to payments made by credit cards.

7.B.2.1.1 Warranty period

1. Section 09 of general conditions 2010A (2021-12-02) is amended by replacing the 12-month period with a period of 60 months.
2. Section 09 of general conditions 2010A (2021-12-02) is amended by deleting paragraph 2 and substituting the following:

The Contractor must pay for the transportation of the Work or any part of the Work to the Contractor's premises for replacement, repair or rectification. The Contractor must pay for the transportation of the Work or any part of the Work that is replaced or rectified to the delivery location specified in the Contract or at another location designated by Canada. However, where Canada is of the opinion that such relocation is impractical, the Contractor must make the necessary repairs or corrections where the work is located. When the Contractor must make the necessary repairs or corrections where the Work is located, the Contractor is responsible for all costs incurred for the necessary repairs or adjustments and Canada will not reimburse the Contractor for these costs.

All other provisions will remain in effect.

7.B.2.2 Supplemental General Conditions

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

Section 14 of the Supplemental General Conditions 4001 (2015-04-01) Hardware Purchase, Lease and Maintenance is amended by replacing the 12 month period with 60 months.

All other provisions of the warranty will remain in effect.

7.B.3 Term of Contract

7.B.3.1 Period of the Contract

The period of the contract is from the date of the standing offer until the end of the warranty period inclusively.

7.B.3.2 Delivery Date

Delivery must be made within 6 weeks from receipt of a call-up against the Standing Offer.

7.B.4 Payment

7.B.4.1 Basis of Payment – Firm Unit Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in Annex B Basis of Payment, for the total cost specified in the call-up. Customs duties are included and Applicable Taxes are extra.

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

7.B.4.2 Method of Payment

SACC Manual Clause H1000C (2008-05-12) Single Payment

7.B.4.3 SACC Manual Clauses

SACC Manual clause C2000C (2007-11-30) Taxes, Foreign Based Contractor

7.B.4.4 Electronic Payment of Invoices – Call-up (to be completed at SO award)

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

7.B.5 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. **Original Electronic Invoice must be sent in the name of the responsible resource(s) identified on the Call-up form.**
Please enter the reference number: F3051-200035
 - b. **An electronic copy of the Invoice must be sent to the Contracting Authority** loana.Novac@tpsgc-pwqsc.gc.ca and to the Technical; Authority _____
(to be completed at SO award)

7.B.6 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance – No Specific Requirement

7.B.7 SACC Manual Clauses

B1501C (2018-06-21) Electrical Equipment
B7500C (2006-06-16) Excess Goods

7.B.8 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

ANNEX A REQUIREMENT

1. BACKGROUND

The Canadian Coast Guard (CCG) wishes to acquire approximately 500 lanterns (range lights) that will be deployed across the country at various aids to navigation sites.

This document presents the CCG specifications. This project is part of the national aids to navigation modernization project. The objective is to reduce operating costs and increase service reliability.

The main objectives of this modernization project are the following:

- a) Review of the Aids to navigation level of service;
- b) Increase the reliability and efficiency of the network by using LED technology.;
- c) Reduction in downtime and response times ;
- d) Reduction in operating costs ;
- e) Simplification in lantern installation ;
- f) Reducing inventory by limiting the number of models;
- g) Standardization of lantern bolt circles to facilitate their use throughout the network without modifying existing supports;
- h) Reduction in the size and weight of the lanterns to facilitate handling; lanterns are replaced regularly by helicopter, and loading space is limited;
- i) Reduction in environmental impacts and risks by reducing the number of batteries needed to operate LED lanterns compared to incandescent bulb technology.

The offeror must include a parts warranty, labour and transportation for a period of five (5) years.

2. LIST OF ACRONYMS

Table 0-1: List of acronyms

Ref	Acronyms	Definition
2.1.1.	IALA	International Association of Marine Aids to Navigation and Lighthouse Authorities
2.1.2.	IHO	International Hydrographic Organization
2.1.3.	IEC (CEI)	International Electrotechnical Commission
2.1.4.	MIL STD	US Military Standard
2.1.5.	SD	Submit data
2.1.6.	LED	Light-Emitting Diode
2.1.7.	SLTR	Submit laboratory test results*

* : The laboratory tests must have been performed by an independent laboratory or, if they were performed by the manufacturer, the manufacturer must demonstrate that the tests performed are equivalent to or exceed the prescribed standards and codes.

3. COMMON TECHNICAL SPECIFICATIONS

Table 0-1: Common criteria for all types of lanterns

Ref	Description of the criteria	Requirement or value
3.1.1.	IALA Recommendation, guideline, December 2008	Each lantern must comply with IALA Recommendation E-200

Ref	Description of the criteria	Requirement or value
		series, guideline, December 2008.
3.1.2.	IALA Recommendation, rhythmic characters, June 2012	Each lantern must comply with IALA Recommendation E-110, Rhythmic Characteristics, June 2012.
3.1.3.	IHO Recommendation, Standardization of List of Lights and Fog Signals, June 2004	Each lantern must comply with the IHO Recommendation, Standardization of List of Lights and Fog Signals, June 2004.
3.1.4.	Type de lantern	Range light A single lantern must be used to meet site-specific technical requirements.
3.1.5.	Colour	All types of lanterns must be offered in the following four colors: White, red, green and yellow
3.1.6.	Type of bulb	Bulbs must be LED type.
3.1.7.	Supply voltage	The supply voltage of the lanterns must be 12Vdc
3.1.8.	Rhythmic character	Each lantern must allow the selection of a minimum of 256 standard rhythmic characters.
3.1.9.	Light intensity	Each lantern must be able to define different light intensities during the day and/or night over a period of 24 hours
3.1.10.	Height	The maximum height of each lantern including the adapter (final product assembled without the bird deterrent) must be 600 mm .
3.1.11.	Lenght	The maximum length of each lantern (final assembled product) should be 400 mm .
3.1.12.	Width	The maximum width of each lantern (final assembled product) should be 500 mm
3.1.13.	Weight	The maximum weight of each lantern (assembled final product, including the adapter for assembly) must be 15 kg .
3.1.14.	Assembly A drawing of the bolt circle must be presented as proof of compliance.	The base of the lantern must have the following two bolt circles, as shown in Annex C Bolt Circle: <ol style="list-style-type: none"> Four (4) holes of a diameter 14 mm, \pm 2mm equidistant, on one side, on a 200 mm bolt circle diameter. Three (3) holes of a diameter 14 mm, \pm 2mm equidistant, on one side, on a 200 mm bolt circle diameter. Or be equipped with an adapter with the two bolt circles described above. Note: The base of the lantern or adapter must have sufficient

Ref	Description of the criteria	Requirement or value
		space on both sides for the 1/2 x 3" bolt hole used to attach the lantern. The hole size must correspond to the final product that will be delivered, without modification and/or addition of components.
3.1.15.	Vertical divergence	All types of lanterns shall have a minimum vertical divergence of 2°.
3.1.16.	GPS	Each lantern must have a built-in GPS.
3.1.17.	Original LED lantern design	Each lantern must be a product originally designed for LED light bulb use only.
3.1.18.	Lantern materials	The materials that make up the external part of the lantern, support, base, hardware, lens, etc. must be resistant to corrosion, flaking, discoloration and UV rays for a minimum period of 10 years
3.1.19.	Annual run time	Each lantern must be programmable with a start and end date or annual mode
3.1.20.	Daily run time	Each lantern shall allow for programmed day or night or 24-hour operation.
3.1.21.	Emergency mode	Each lantern shall allow selection of the emergency mode
3.1.22.	Light intensity reduction in emergency mode	Each lantern must reduce the light intensity by 50% when the source voltage is reduced to 11.5 Vdc.
3.1.23.	Rhythm character in emergency mode	Each lantern must display the rhythmic character Q1(.5) when the source voltage is reduced to 11.5 Vdc.
3.1.24.	Standby state (LED off) in emergency mode	Each lantern must go into standby mode when the source voltage is reduced to 10 Vdc.
3.1.25.	Return to normal operating mode	Each lantern must return to normal operation mode when the source voltage reaches 12.5 Vdc.
3.1.26.	Reverse polarity, short circuit and overload protection	Each lantern must have one or more devices to protect against reverse polarity, short circuits and electrical overloads.
3.1.27.	Electronic and/or electrical components	The electronic and electrical components used to operate the lantern, such as a GPS antenna, GPS, flasher, etc., must be integrated into the lantern.
3.1.28.	Communication port	The system shall have a built-in communication port, such as a serial interface, infrared device, etc., for diagnostics, programming and alarm outputs.

Ref	Description of the criteria	Requirement or value	
		<p>External electronic and/or electrical components, interface, cables, computer, etc. used to communicate and/or program the lanterns shall be used only during programming.</p> <p>In operational mode, no external components, interfaces or other systems, excluding the power supply, shall be required for the operation of the lanterns.</p>	
3.1.29.	Protection against electromagnetic interferences	<p>Each lantern must be protected from electromagnetic interference. Examples include, but are not limited to, VHF radios, radar, static discharge and transient and induced voltage caused by lightning strikes.</p>	
3.1.30.	<p>Marking on lantern</p> <p>A photo or drawing must be submitted for compliance.</p>	<p>Each lantern must have the following information permanently inscribed and visible on the lantern's nameplate. Permanently engraved or chemically etched:</p> <ol style="list-style-type: none"> 1. Manufacturer's name 2. Date of manufacture 3. Model Number 4. Serial number 5. Color 6. Voltage <p>Inscriptions must be legible throughout the life of the lanterns.</p>	
3.1.31.	Bird deterrent	<p>Each lantern must have one or more flexible and removable components to prevent birds from perching on the lantern.</p> <p>Minimum height: 150 mm.</p>	
3.1.32.	Sighting device	<p>A sighting device for horizontal adjustment of the lantern shall be included. One per type of lantern, per delivery address, with the first delivery.</p>	
3.1.33.	Life cycle	<p>Minimum 10 years, based on annual operation. Submit calculations.</p>	
3.1.34.	Mean Time Between Failures (MTBF)	Minimum 5 years, based on annual operation	SD
3.1.35.	Programming software and hardware	<p>The programming software shall allow viewing, programming, selection and modification of all functions that can be changed and/or adjusted by computer by CCG technicians.</p> <p>Provide one programming software, computer or programmer connection wiring (if required), programming controller, per lantern type. Must be provided with first delivery.</p> <p>One set per delivery address.</p>	

Ref	Description of the criteria	Requirement or value	
3.1.36.	Operating temperature	Each lantern must operate at least between -30 °C and +45 °C	SLTR
3.1.37.	Wind resistance	Each lantern must withstand winds of up to 160 km/h.	SLTR
3.1.38.	Resistance to ice accretion	Each lantern must withstand up to 40 mm of ice accretion.	SLTR
3.1.39.	Dry heat	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.2.	SLTR
3.1.40.	Damp heat	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.3.	SLTR
3.1.41.	Rain and sea spray	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.8.	SLTR
3.1.42.	Solar radiation	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.10	SLTR
3.1.43.	Vibration	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.7 or MIL STD 202G - Method 213B - Test Condition H.	SLTR
3.1.44.	Corrosion	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.12.	SLTR
3.1.45.	Ingress Protection Code (IP)	The minimum Ingress Protection Code (IP) must be 66	SLTR

Table 0-2: Additional mandatory technical criteria for Type 1 lanterns

Ref	Description of the criteria	Requirement or value
3.2.1.	Light intensity	Each Type 1 lantern must be capable of providing a light intensity of 77 Cd ± 3 Cd
3.2.2.	Horizontal angle of divergence	The supplier must offer a range of Type 1 lanterns that can cover horizontal divergence angles of up to 20° @ 50% of light intensity.

Table 0-3: Additional mandatory technical criteria for Type 2 lanterns

Ref	Description of the criteria	Requirement or value
3.3.1.	Light intensity	Each Type 2 lantern must be capable of providing a light intensity of 1375 Cd ± 100 Cd
3.3.2.	Horizontal angle of divergence	The supplier must offer a range of Type 2 lanterns that can cover horizontal divergence angles of up to 20° @

Ref	Description of the criteria	Requirement or value
		50% of light intensity.

Table 0-4: Additional mandatory technical criteria for Type 3 lanterns

Ref	Description of the criteria	Requirement or value
3.4.1.	Light intensity	Each Type 3 lantern must be capable of providing a light intensity of 13 800 Cd ± 300 Cd
3.4.2.	Horizontal angle of divergence	The supplier must offer a range of Type 3 lanterns that can cover horizontal divergence angles of up to 20° @ 50% of light intensity.

Table 0-5: Additional mandatory technical criteria for Type 4 lanterns

Ref	Description of the criteria	Requirement or value
3.5.1.	Light intensity	Each Type 4 lantern must be capable of providing a light intensity of 110 000 Cd ± 2000 Cd
3.5.2.	Horizontal angle of divergence	The supplier must offer a range of Type 4 lanterns that can cover horizontal divergence angles of up to 8° @ 50% light intensity.

4. DELIVERABLES

- The lanterns must be delivered assembled, without any components to be installed. Except for the sighting device and bird deterrent that will be used during field installation by CCG technicians.
- The following information must be affixed to the outer surface of the cardboard packaging:
 1. Model Number
 2. Serial number
 3. Color
 4. Name of the company

5. ADDITIONAL DELIVERABLES

The lanterns must meet the above specifications and be accompanied by the following bilingual documents, in electronic format on USB key, and accessories upon first delivery at each delivery address:

Table 0-1: Documents and accessories to be provided on delivery

Ref	Description of the criteria	Requirement or value
5.1.1.	Sighting device	A sighting device needed to horizontally adjust each lantern must be included. One set per type of lantern, per delivery address.

Ref	Description of the criteria	Requirement or value
5.1.2	Photometric curves	The photometric curves associated with the deliverables must be available and provided on delivery. One per delivery address.
5.1.3	Software, control handle, connection cable	Provide programming software, cables for connection to a computer or programmer, a programmer (if necessary), a programming handle, by type of lantern. One set per delivery address.
5.1.4	Programming, installation and maintenance manuals	Programming, installation, user and maintenance manuals must be provided on delivery. One set of manuals per lantern type, per delivery address.
5.1.5	Spare parts list	A list of spare parts, by type of lantern, must be available and provided on delivery. One per delivery address
5.1.6	Maintenance schedule	A maintenance schedule, by type of lantern, must be available and provided on delivery. One per delivery address.

6. DELIVERY ADDRESSES

Lanterns should be delivered to the following locations:

- **Quebec base** : 101, Champlain Boulevard, Quebec, Quebec, G1K 7Y7
- **Prescott base** : 401, King St W, Prescott, Ontario, K0E 1T0
- **Victoria base**: 25, Huron Street, Victoria, BC, V8V 4V9
- **Dartmouth base** : 50, Promenade Discovery, Dartmouth, NS, B2Y 3Z8
- **St-John's base**: 280, Southside Road, St-John's, NL, A1E 0A3
- **Charlottetown base**: 185, John Yeo Drive, unit 2, Charlottetown, PEI, C1E 3J3

7. ACCEPTANCE OF THE DELIVERABLES

CCG reserves the right to reject, at the time of delivery, all deliverables that do not comply with the mandatory technical specifications.

CCG also reserves the right to have the photometric performance of the deliverables evaluated by an independent laboratory and to reject them if they do not meet the performance indicated by the Offeror.

ANNEX B BASIS OF PAYMENT

Item	Description	Quantity per order	Quantity for bidding (A)	Price per unit (B)	Firm price Total (C=A*B)
1.01	LED (light emitting diode) range lights for navigation aids. Type 1 lantern with adjustable light intensity up to 77 Cd ± 3 Cd Brand : _____ Model : _____	1-3	1	_____ \$	_____ \$
		4-10	4	_____ \$	_____ \$
		More than 10	11	_____ \$	_____ \$
1.02	LED (light emitting diode) range lights for navigation aids. Type 2 lantern with adjustable light intensity up to 1 375 Cd ± 100 Cd Brand : _____ Model : _____	1-3	1	_____ \$	_____ \$
		4-10	4	_____ \$	_____ \$
		More than 10	11	_____ \$	_____ \$
1.03	LED (light emitting diode) range lights. for navigation aids. Type 3 lantern with adjustable light intensity up to 13 800 Cd ± 300 Cd Brand : _____ Model : _____	1-3	1	_____ \$	_____ \$
		4-10	4	_____ \$	_____ \$
		More than 10	11	_____ \$	_____ \$
1.04	LED (light emitting diode) range lights. for navigation aids. Type 4 lantern with adjustable light intensity up to 110 000 Cd ± 2000 Cd Brand : _____ Model : _____	1-3	1	_____ \$	_____ \$
		4-10	4	_____ \$	_____ \$
		More than 10	11	_____ \$	_____ \$
1.05	Starting KIT (for 1 st order of each site only) that includes (see section 5 'Additional Deliverables' of Annex A 'Requirement'): <ul style="list-style-type: none"> - Sighting device - Photometric curves - Software, control handle, connection cable - Programming, installation and 	1	1	_____ \$	_____ \$

Item	Description	Quantity per order	Quantity for bidding (A)	Price per unit (B)	Firm price Total (C=A*B)
	<ul style="list-style-type: none"> maintenance manuals - Spare parts list - Maintenance schedule 				
1.06	Delivery charges for bid evaluation purposes only (quantities - type 1: 7, type 2: 10, type 3: 60, type 4: 70) Request for proposal including customs duties, handling and delivery	Cities		Adresses	
		Quebec base		101, Champlain Boulevard, Quebec, Quebec, G1K 7Y7	_____ \$
		Prescott base		401, King St W, Prescott, Ontario, K0E 1T0	_____ \$
		Victoria base		25, Huron Street, Victoria, BC, V8V 4V9	_____ \$
		Dartmouth base		50, Promenade Discovery, Dartmouth, NS, B2Y 3Z8	_____ \$
		St-John's base		280, Southside Road, St-John's, NL, A1E 0A3	_____ \$
		Charlottetown base		185, John Yeo drive, unit 2, Charlottetown, PEI, C1E 3J3	_____ \$
1.07	Grand Total (taxes not included)				_____ \$

ANNEX C MANDATORY TECHNICAL CRITERIA AND POINT RATED TECHNICAL CRITERIA

The technical evaluation will address the mandatory technical criteria detailed in Section 1 - Mandatory Technical Criteria and Section 2- Rated Technical Criteria.

The Offeror will be required to demonstrate each of these mandatory technical criteria using documents/brochures/technical data sheets/drawings, which must be submitted with its proposal. Each bid meeting all the requirements of section 1 Mandatory Technical Criteria will be evaluated and scored in accordance with Section 2 - Rated Technical Criteria. This table consists of seven (7) criteria. It will be used to evaluate each lantern type and the maximum score for the rated evaluation will be eighty-five (85) points.

The offeror shall complete the table in Annex C according to the types of lanterns on which it wishes to bid and attach it to its proposal.

To be receivable, a proposal must clearly demonstrate that it meets all of the criteria of both sections for Type 1, 2, 3 or 4 for which the Bidder wishes to submit a product.

Section 1 - Mandatory Technical Criteria

Table 0-1 Common Mandatory Technical Criteria for all types of lantern

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CMTC 1	IALA Recommendation E-200 Series, Guideline, December 2008	Each lantern must comply with IALA Recommendation E-200 series, Guideline, December 2008.	
CMTC 2	IALA Recommendation E-110, Rhythmic Characters, June 2012	Each lantern must comply with IALA Recommendation E-110, rhythmic characters, June 2012	
CMTC 3	IHO Recommendation, Standardization of Light Books and Fog Signals, June 2004	Each lantern must comply with the IHO Recommendation, Standardization of Light Books and Fog Signals, June 2004.	
CMTC 4	Type of lantern	Range light. Only one lantern should be used to meet the specific technical needs of each site.	
CMTC 5	Color	All lantern types must be offered in the following four colors: white, red, green and	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
		yellow	
CMTC 6	Type of bulb	The bulbs must be of the LED type.	
CMTC 7	Supply voltage	The supply voltage of the lanterns must be 12Vdc	
CMTC 8	Rhythmic character	Each lantern must allow the selection of a minimum of 256 standard rhythmic characters.	
CMTC 9	Light intensity	Each lantern must be able to define different light intensities during the day and/or night over a period of 24 hours	
CMTC 10	Height	The maximum height of each lantern including the adapter (final product assembled without the bird deterrent) must be 600 mm.	
CMTC 11	Length	The maximum length of each lantern (final assembled product) should be 400 mm.	
CMTC 12	Width	The maximum width of each lantern (final assembled product) should be 500 mm	
CMTC 13	Weight	The maximum weight of each lantern (assembled final product, including the adapter for assembly) must be 15 kg.	
CMTC 14	<p>Assembly</p> <p>A drawing of the bolt circle must be presented as proof of compliance.</p>	<p>CMTC 14.1</p> <p>The base of the lantern must have the following two bolt circles :</p> <ol style="list-style-type: none"> 1. Four (4) holes of a diameter 14 mm, ± 2mm equidistant, on one side, on a 200 mm bolt circle diameter. 2. Three (3) holes of a diameter 14 mm, ± 2mm 	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
		<p>equidistant, on one side, on a 200 mm bolt circle diameter. Or be equipped with an adapter with the two bolt circles described above.. A drawing of the bolt circle must be submitted as proof of compliance (see Annex D - Bolt Circle).</p> <p>CMTC 14.2 The base of each lantern or adapter must have sufficient space on both sides for the bolts used to secure the lantern.</p> <p>CMTC 14.3 The size of the holes must correspond to the final product that will be delivered, without modification and/or addition of components.</p>	
CMTC 15	Vertical divergence	All types of lanterns shall have a minimum vertical divergence of 2°.	
CMTC 16	GPS	Each lantern must have a built-in GPS.	
CMTC 17	Original LED lantern design	Each lantern must be a product originally designed for LED bulb use only.	
CMTC 18	Lantern materials	The materials that make up the external part of the lantern, support, base, hardware, lens, etc. must be resistant to corrosion, flaking, discoloration and UV rays for a minimum period of 10 years.	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CMTC 19	Annual run time	Each lantern must be programmable with a start and end date or annual mode	
CMTC 20	Daily run time	Each lantern shall allow for programmed day or night or 24-hour operation.	
CMTC 21	Mode urgence	Each lantern shall allow selection of the emergency mode	
CMTC 22	Light intensity reduction in emergency mode	Each lantern must reduce the light intensity by 50% when the source voltage is reduced to 11.5 Vdc.	
CMTC 23	Rhythm character in emergency mode	Each lantern must display the rhythmic character Q1(.5) when the source voltage is reduced to 11.5 Vdc.	
CMTC 24	Standby state (LED off) in emergency mode	Each lantern must go into standby mode when the source voltage is reduced to 10 Vdc.	
CMTC 25	Return to normal operating mode	Each lantern must return to normal operation mode when the source voltage reaches 12.5 Vdc.	
CMTC 26	Reverse polarity, short circuit and overload protection	Each lantern must have one or more devices to protect against reverse polarity, short circuits and electrical overloads.	
CMTC 27	Electronic and/or electrical components	The electronic and electrical components used to operate the lantern, such as a GPS antenna, GPS, flasher, etc., must be integrated into the lantern.	
CMTC 28	Communication port	CMTC 28.1 The system shall have a built-in communication port, such as a serial interface,	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
		<p>infrared device, etc., for diagnostics, programming and alarm outputs.</p> <p>External electronic and/or electrical components, interface, cables, computer, etc. used to communicate and/or program the lanterns shall be used only during programming.</p> <p>CMTC 28.2</p> <p>In operational mode, no external components, interfaces or other systems, excluding the power supply, shall be required for the operation of the lanterns.</p>	
<p>CMTC 29</p>	<p>Protection against electromagnetic interferences</p>	<p>Each lantern must be protected from electromagnetic interference. Examples include, but are not limited to, VHF radios, radar, static discharge and transient and induced voltage caused by lightning strikes.</p>	
<p>CMTC 30</p>	<p>Marking on lantern</p>	<p>Each lantern must have the following information and must be permanently inscribed and visible on the lantern's nameplate. Permanently engraved or chemically etched:</p> <ol style="list-style-type: none"> 1. Manufacturer's name 2. Date of manufacture 3. Model Number 4. Serial number 5. Color 6. Voltage <p>Inscriptions must be legible throughout the life of the lanterns. A photo or drawing must be submitted as proof of compliance</p>	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CMTC 31	Bird deterrent	Each lantern must have one or more flexible and removable components to prevent birds from perching on the lantern. Minimum height: 150 mm.	
CMTC 32	Sighting device	A sighting device for horizontal adjustment of the lantern shall be included. One per type of lantern, per delivery address, with the first delivery.	
CMTC 33	Life cycle	Minimum 10 years, based on annual operation.	
CMTC 34	Mean Time Between Failures (MTBF)	Minimum 5 years, based on annual operation	
CMTC 35	Programming software and hardware	The programming software shall allow viewing, programming, selection and modification of all functions that can be changed and/or adjusted by computer by CCG technicians. Provide one programming software, computer or programmer connection wiring (if required), programming controller, per lantern type. Must be provided with first delivery. One set per delivery address.	
CMTC 36	Operating temperature	Each lantern must operate at least between -30 °C and +45 °C	
CMTC 37	Wind resistance	Each lantern must withstand winds of up to 160 km/h.	
CMTC 38	Resistance to ice accretion	Each lantern must withstand up to 40 mm of ice accretion.	
CMTC 39	Dry heat	Each lantern must have been evaluated in	

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications (should indicate the reference to the technical documentation included in Bid or indicate the exact information)
		accordance with IEC 60945, 4th edition - Section 8.2.	
CMTC 40	Damp heat	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.3.	
CMTC 41	Rain and sea spray	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.8.	
CMTC 42	Solar radiation	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.10	
CMTC 43	Vibration	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.7 or MIL STD 202G - Method 213B - Test Condition H.	
CMTC 44	Corrosion	Each lantern must have been evaluated in accordance with IEC 60945, 4th edition - Section 8.12.	
CMTC 45	Ingress Protection Code (IP)	The minimum Ingress Protection Code (IP) must be 66	

Table 0-2 Additional mandatory technical criteria for Type 1 lanterns

Identification #	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information))
CTOS 1.1	Light intensity	Each Type 1 lantern must be capable of providing a light intensity of 77 Cd ± 3 Cd	
CTOS 1.2	Horizontal angle of	The supplier must offer a range of Type	

Identification #	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information))
	divergence	1 lanterns that can cover horizontal divergence angles of up to 20° @ 50% of light intensity.	

Table 0-3 Additional mandatory technical criteria for lanterns Type 2

Identification #	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CTOS 2.1	Light intensity	Each Type 2 lantern must be capable of providing a light intensity of 1375 Cd ± 100 Cd	
CTOS 2.2	Horizontal angle of divergence	The supplier must offer a range of Type 2 lanterns that can cover horizontal divergence angles of up to 20° @ 50% of light intensity.	

Table 0-4 Additional mandatory technical criteria for lanterns Type 3

Identification #	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CTOS 3.1	Light intensity	Each Type 3 lantern must be capable of providing a light intensity of 13 800 Cd ± 300 Cd	
CTOS 3.2	Horizontal angle of divergence	The supplier must offer a range of Type 3 lanterns that can cover horizontal divergence angles of up to 20° @ 50% of light intensity.	

Table 0-5 Additional mandatory technical criteria for lanterns Type 4

# identification	Description	REQUIREMENT/VALUE	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information)
CTOS 4.1	Light intensity	Each Type 4 lantern must be capable of providing a light intensity of 110 000 Cd \pm 2000 Cd	
CTOS 4.2	Horizontal angle of divergence	The supplier must offer a range of Type 4 lanterns that can cover horizontal divergence angles of up to 8° @ 50% light intensity.	

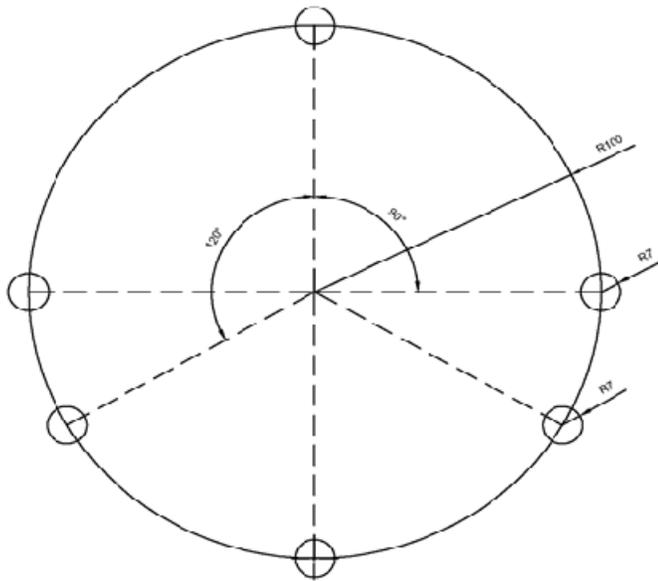
Section 2 – Point Rated Technical Criteria

The number of technical criteria rated will be seven (7) per lantern type. The maximum score for the rated evaluation will be eighty-five (85) points for each lantern type.

Identifi- cation #	Réf.	Criteria	Description	Définition	Note	REFERENCE Bidder's Specifications(should indicate the reference to the technical documentation included in Bid or indicate the exact information exact)			
						Type 1	Typ e 2	Typ e 3	Typ e 4
PRTC 01	3.1.10	Height (H)	Maximum = 600 mm, including adapter (final product assembled without the bird deterrent)	H < 500 mm	15				
				500 mm ≤ H < 550 mm	10				
				550 mm ≤ H < 600 mm	1				
PRTC 02	3.1.11	Length (L)	Maximum = 400mm Final product assembled	L < 300 mm	15				
				300 mm ≤ L < 350 mm	10				
				350mm ≤ L < 400 mm	1				
PRTC 03	3.1.12	Width (Wi)	Maximum = 500 mm Final product assembled	Wi < 400 mm	15				
				400 mm ≤ Wi < 450 mm	10				
				450 mm ≤ Wi < 500 mm	1				
PRTC 04	3.1.13	Weight (We)	Maximum = 15 kg, Final product assembled, including the adapter for assembly	We < 10 kg	15				
				10 kg ≤ We < 12 kg	10				
				12 kg ≤ We < 15kg	1				
PRTC 05	3.1.14	Mounting		Without adapter With adapter	15 0				
PRTC 06	3.1.33	Life cycle (Lc)	Minimum = 10 yrs	Lc > 15 yrs	5				
				15 yrs ≥ Lc > 12 yrs	3				
				12 yrs ≥ Lc > 10 yrs	1				
PRTC 07	3.1.34	MTBF (TF) Mean time between failures	Minimum = 5 yrs	TF > 10 yrs	5				
				10 yrs ≥ TF > 7 yrs	3				
				7 yrs ≥ TF > 5 yrs	1				
TOTAL 85 points									

ANNEX D BOLT CIRCLE

CERCLE DE BOULONNAGE / BOLT CIRCLE



N° de l'invitation - Solicitation No.

F3051-200035/A

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

F3051-200035

N° de la modif - Amd. No.

File No. - N° du dossier
QCV-0-43148

Id de l'acheteur - Buyer ID

QCV025

N° CCC / CCC No./ N° VME - FMS

ANNEX E OEM Certification

OEM Certification Form

This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.

Name of OEM _____

Signature of authorized signatory of OEM _____

Print Name of authorized signatory of OEM _____

Print Title of authorized signatory of OEM _____

Address for authorized signatory of OEM _____

Telephone no. for authorized signatory of OEM _____

Fax no. for authorized signatory of OEM _____

Date signed _____

Solicitation Number _____

Name of Bidder _____

N° de l'invitation - Solicitation No.

F3051-200035/A

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

F3051-200035

N° de la modif - Amd. No.

File No. - N° du dossier
QCV-0-43148

Id de l'acheteur - Buyer ID

QCV025

N° CCC / CCC No./ N° VME - FMS

ANNEX F USAGE REPORT

Please provide reports regarding the current standing offer to: loana.Novac@tpsgc-pwgsc.gc.ca

#Offer: F3051-200035/001/QCV

Offeror: _____

Reporting periods: _____
(example: from January 1st, 2022 to April 30th 2022)

Total of Previous Usage Reports: _____

CCG Call-up number	Call-up Date	Call-up User	Type of Lantren (1,2,3 or 4)	Delivery Location	QTY (A)	Price / unit (B)	Total Price (C=A*B)
							_____ \$
							_____ \$
							_____ \$
...					_____ \$

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

ANNEX H ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)