

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions - TPSGC

11 Laurier St. / 11, rue Laurier
Place du Portage , Phase III
Core 0A1 / Noyau 0A1

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

Request For a Standing Offer Demande d'offre à commandes

National Individual Standing Offer (NISO)

Offre à commandes individuelle nationale (OCIN)

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

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

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Electronics, Simulators and Defence Systems Div.
/Division des systèmes électroniques et des systèmes de
simulation et de défense

11 Laurier St. / 11, rue Laurier
8C2, Place du Portage

Gatineau

Québec

K1A 0S5

Title - Sujet SELF LOCATING DATUM MARKER BUOYS	
Solicitation No. - N° de l'invitation F7039-110085/A	Date 2012-04-23
Client Reference No. - N° de référence du client F7039-110085	GETS Ref. No. - N° de réf. de SEAG PW-\$\$QF-102-22691
File No. - N° de dossier 102qf.F7039-110085	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-06-04	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Dawson, Cindy	Buyer Id - Id de l'acheteur 102qf
Telephone No. - N° de téléphone (819)953-7336 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	
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

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Solicitation No. - N° de l'invitation

F7039-110085/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

102qf

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

F7039-110085

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PART 1 - GENERAL INFORMATION

1. Introduction

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

Part 1- General Information: provides a general description of the requirement;

Part 2- Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;

Part 3- Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;

Part 4- Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, if applicable, and the basis of selection;

Part 5- Certifications: includes the certifications 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 all-up made pursuant to the Standing Offer.

The Annexes include the Technical Specifications, Self Locating Datum Marker Buoyous, and the Mandatory Criteria

2. Summary

The Offeror agrees to provide Self Locating Datum Marker Buoys meeting the mandatory requirements of the Request for Standing Offer including the mandatory requirements in Annex "A" and Annex "B" on an as and when requested basis.

It is anticipated, but not guaranteed, that approximately 500 Self Locating Datum Marker Buoys will be procured via this standing offer as described below:

Year 1	Year 2	Year 3	Option Year 1	Option Year 2	Option Year 3
up to 160 units	up to 100 units	up to 60 units	up to 60 units	up to 60 units	up to 60 units

This requirement is for the Department of Fisheries and Oceans, Canadian Coast Guard.

The period of the Standing Offer is from the date of Standing Offer to March 31, 2015 with an

option to extend the Standing Offer for an additional three one-year periods from April 1, 2015 to March 31, 2016, from April 1, 2016 to March 31, 2017 and from April 1, 2017 to March 31, 2018.

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), and the Agreement on Internal Trade (AIT).

3. Debriefings

After issuance of a standing offer, offerors may request a debriefing on the results of the request for standing offer. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of notification that their offer was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

PART 2 - OFFEROR INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offer (RFSO) by number, date and title are set out in the Standard Acquisition Clauses and Conditions (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) 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 (2012-03-02) Standard Instructions - Request for Standing Offer - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

2. Submission of Offer

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

Due to the nature of the Request for Standing Offer, transmission of offer by electronic mail to PWGSC will not be accepted.

3. Enquiries - Request for Standing Offer

All enquiries must be submitted in writing to the Standing Offer Authority no later than ten (10) calendar days before the Request for Standing Offer (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 questions or may request that offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

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 Ontario.

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

PART 3 - OFFER PREPARATION INSTRUCTIONS

1. Offer Preparation Instructions

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

Section I:	Technical Offer (2 hard copies)
Section II:	Financial Offer (1 hard copy)
Section III:	Certifications (1 hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>).

To assist Canada in reaching its objectives, offerors are encouraged to:

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

Section I: Technical Offer

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

Offerors must complete Annex "B" by filling in all the blanks and submit it with their offer.

Section II: Contractual and Financial Offer

Offerors must submit their financial offer in accordance with the Basis of Payment and the Schedule "1" - Pricing Schedule. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

Offerors shall complete the table in Schedule "1" - Pricing Schedule by filling in all the blanks.

Offerors shall indicate the currency being used in their offer. Should the currency not be indicated, it will be assumed that it is Canadian.

Offerors shall provide as part of their offer:

- (a) Page 1 of this solicitation (Request For Standing Offer) document must be signed and dated by an authorized representative of the Offeror in the space provided to clearly indicate acceptance of the terms and conditions of the solicitation (including the Standing Offer and Resulting Contract Clauses);
- (b) All clauses or sections with a fill-in blank or which are to be signed, are to be completed and returned as part of the proposal;
- (c) The full legal name of the Offeror;
- (d) The name(s) and contact details of the individual(s) who will be designated to act on behalf of and with the authority of the Offeror under a standing offer; and
- (e) An authorized signature for each certification requested in the bid solicitation.

Section III: Certifications

Offerors must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

1.1 Technical Evaluation

All offers must be completed in full and provide all of the information requested in the Request for Standing Offer to enable full and complete evaluation.

Offerors must demonstrate that they meet the mandatory requirements as detailed in this Request for Standing Offer and the mandatory technical criteria as detailed in Annexes "A and "B".

Bids will be evaluated for their compliance with all mandatory technical criteria in Annexes "A" and "B".

1.2 Evaluation of Price

1. The price of the offer will be evaluated as follows:
 - a. Canadian-based offerors must submit firm prices, Canadian customs duties and excise taxes included, and Goods and Services Tax (GST) or Harmonized Sales Tax (HST) excluded; and
 - b. foreign-based offerors must submit firm prices, Canadian customs duties, excise taxes and GST or HST excluded. Canadian customs duties and excise taxes payable by Canada will be added, for evaluation purposes only, to the prices submitted by foreign-based offerors.
2. Unless the Request for Standing Offers (RFSO) specifically requires offers to be submitted in Canadian currency, offers submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the RFSO closing date, or on another date specified in the RFSO, will be applied as a conversion factor to the offers submitted in foreign currency.
3. Although Canada reserves the right to issue the Standing Offer either on an FOB plant or FOB destination, Canada requests that offerors provide prices FOB their plant or shipping point and FOB destination. Offers will be assessed on an FOB plant basis.
4. For the purpose of the RFSO, offerors with an address in Canada are considered Canadian-based offerors, and offerors with an address outside of Canada are considered foreign-based offerors.
5. Refer to Schedule "1" - Pricing.

1.2.1 The nominal noon exchange rate given by the Bank of Canada (<http://www.bankofcanada.ca/en/rates/exchform.html>) in effect on the solicitation closing date, or on another date specified in the solicitation, will be applied as a conversion factor to the offer submitted in foreign currency.

1.2.2 Exchange Rate Fluctuation

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and will render the offer non-responsive.

2. Basis of Selection

2.1 Basis of Selection - Mandatory Technical Criteria Only

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

PART 5 - CERTIFICATIONS

Offerors must provide the required certifications to be issued a standing offer. Canada will declare an offer non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications offerors provide to Canada is subject to verification by Canada during the offer evaluation period (before issuance of a standing offer) and after issuance of a standing offer. The Standing Offer Authority will have the right to ask for additional information to verify offerors' compliance with the certifications before issuance of a standing offer. The offer will be declared non-responsive if any certification made by the Offeror is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Standing Offer Authority for additional information will also render the offer non-responsive.

1. Certifications Precedent to Issuance of a Standing Offer

The certifications listed below should be completed and submitted with the offer, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Standing Offer Authority will so inform the Offeror and provide the Offeror with a time frame within which to meet the requirement. Failure to comply with the request of the Standing Offer Authority and meet the requirements within that time period will render the offer non-responsive.

1.1 Federal Contractors Program

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to the issuance of a standing offer. If the Offeror, or, if the Offeror is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the issuance of a standing offer.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any offer from ineligible contractors, including an offer from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Offeror does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Offeror must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
3. The Offeror, or, if the Offeror is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Offeror or the member of the joint venture:

-
- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) () is subject to FCP, and has a valid certificate number as follows: _____ (e.g. has not been declared an ineligible contractor by HRSDC).

Further information on the FCP is available on the HRSDC Web site:
<http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml>.

Name of Bidder's Representative:

Signature of Bidder's Representative:

Date:

PART 6 - FINANCIAL AND INSURANCE REQUIREMENTS

1. Financial Capability

1. Financial Capability Requirement: The Offeror must have the financial capability to fulfill this requirement. To determine the Offeror's financial capability, the Standing Offer Authority may, by written notice to the Offeror, require the submission of some or all of the financial information detailed below during the evaluation of offers. The Offeror must provide the following information to the Standing Offer Authority within fifteen (15) working days of the request or as specified by the Standing Offer Authority in the notice:
 - a. Audited financial statements, if available, or the unaudited financial statements (prepared by the Offeror's outside accounting firm, if available, or prepared in-house if no external statements have been prepared) for the Offeror's last three fiscal years, or for the years that the Offeror has been in business if this is less than three years (including, as a minimum, the Balance Sheet, the Statement of Retained Earnings, the Income Statement and any notes to the statements);
 - b. If the date of the financial statements in (a) above is more than five months before the date of the request for information by the Standing Offer Authority, the Offeror must also provide, unless this is prohibited by legislation for public companies, the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement), as of two months before the date on which the Standing Offer Authority requests this information.
 - c. If the Offeror has not been in business for at least one full fiscal year, the following must be provided:
 - i. the opening Balance Sheet on commencement of business (in the case of a corporation, the date of incorporation); and
 - ii. the last quarterly financial statements (consisting of a Balance Sheet and a year-to-date Income Statement) as of two months before the date on which the Standing Offer Authority requests this information.
 - d. A certification from the Chief Financial Officer or an authorized signing officer of the Offeror that the financial information provided is complete and accurate.

- e A confirmation letter from all of the financial institution(s) that have provided short-term financing to the Offeror outlining the total of lines of credit granted to the Offeror and the amount of credit that remains available and not drawn upon as of one month prior to the date on which the Standing Offer Authority requests this information.
- 2. If the Offeror is a joint venture, the financial information required by the Standing Offer Authority must be provided by each member of the joint venture.
- 3. If the Offeror is a subsidiary of another company, then any financial information in 1. (a) to (e) above required by the Standing Offer Authority must be provided by the ultimate parent company. Provision of parent company financial information does not satisfy the requirement for the provision of the financial information of the Offeror, and the financial capability of a parent cannot be substituted for the financial capability of the Offeror itself unless an agreement by the parent company to sign a Parental Guarantee, as drawn up by Public Works and Government Services Canada (PWGSC), is provided with the required information.
- 4. Financial Information Already Provided to PWGSC: The Offeror is not required to resubmit any financial information requested by the Standing Offer Authority that is already on file at PWGSC with the Contract Cost Analysis, Audit and Policy Directorate of the Policy, Risk, Integrity and Strategic Management Sector, provided that within the above-noted time frame:
 - a the Offeror identifies to the Standing Offer Authority in writing the specific information that is on file and the requirement for which this information was provided; and
 - b the Offeror authorizes the use of the information for this requirement.

It is the Offeror's responsibility to confirm with the Standing Offer Authority that this information is still on file with PWGSC.
- 5. Other Information: Canada reserves the right to request from the Offeror any other information that Canada requires to conduct a complete financial capability assessment of the Offeror.
- 6. Confidentiality: If the Offeror provides the information required above to Canada in confidence while indicating that the disclosed information is confidential, then Canada will treat the information in a confidential manner as permitted by the Access to Information Act, R.S., 1985, c. A-1, Section 20(1) (b) and (c).

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

2. Insurance

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

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**A. STANDING OFFER****1. Offer**

The Offeror offers to fulfill the requirement in accordance with the Requirement at Schedule "1".

2. 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 (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) issued by Public Works and Government Services Canada.

2.1 General Conditions

2005 (2012-03-02) General Conditions - Standing Offer - Goods or Services apply to and form part of the Standing Offer.

3. Term of Standing Offer**3.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer is from the Date of Standing Offer to March 31, 2015.

3.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for three additional 1-year periods, from April 1, 2015 to March 31, 2018 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 any time before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

4. Authorities

4.1 Standing Offer Authority

The Standing Offer Authority is:

Cindy Dawson, Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Electronics, Simulators and Defence Systems Division
11 Laurier Street, Place du Portage III, 8C2, Gatineau, QC K1A 0S5 Canada

Telephone: 1-819-953-7336
Facsimile: 1-819-956-5650
E-mail: cindy.dawson@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.

4.2 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.

4.3 Offeror Contacts

General Enquiries:

Attention: _____
Telephone: _____
Facsimile: _____
E-mail: _____

Delivery Follow-up:

Attention: _____
Telephone: _____
Facsimile: _____
E-mail: _____

5. Identified Users

The Identified User authorized to make call-ups against the Standing Offer is the Department of Fisheries and Oceans, Canadian Coast Guard.

6. Call-up Instrument

The Work will be authorized or confirmed by the Identified User using form PWGSC-TPSGC 942 "Call-up Against a Standing Offer" or electronic document.

7. Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$40,000.00 (Goods and Services Tax or Harmonized Sales Tax included).

8. Financial Limitation - Total

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the sum of \$_____ (to be inserted at issuance of standing offer) (Goods and Services Tax or Harmonized Sales Tax included) 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 three (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.

9. 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 (2012-03-02), General Conditions - Standing Offer - Goods or Services;
- (d) the general conditions 2010A (2012-03-02), General Conditions - Goods (Medium Complexity);
- (e) Schedule "1", Pricing;
- (f) Annex "A", Technical Specification, Self Locating Datum Marker Buoys;
- (g) Annex "B", Mandatory Criteria;
- (h) the Offeror's offer _____ (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 _____". (insert date(s) of clarification(s) or amendment(s) if applicable).

10. Certifications**10.1 Compliance**

Compliance with the certifications provided by the Offeror is a condition of authorization of the Standing Offer and subject to verification by Canada during the term of the Standing Offer and of any resulting contract that would continue beyond the period of the Standing Offer. In the event that the Offeror does not comply with any certification or it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

11. 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 Ontario.

B. RESULTING CONTRACT CLAUSES

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

1. Requirement

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

2. Standard Clauses and Conditions**2.1 General Conditions**

2010A (2012-03-02) General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

3. Term of Contract**3.1 Delivery Date**

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

4. Payment**4.1 Basis of Payment**

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 the Schedule "1" - Pricing Schedule for a cost of \$ _____ insert the amount at contract award). Customs duties are _____ (insert "included", "excluded" OR "subject to exemption") and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

4.2 Multiple Payments

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

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

4.3 Taxes - Foreign-based Contractor *(if applicable)*

Unless specified otherwise in the Contract, the price includes no amount for any federal excise tax, state or local sales or use tax, or any other tax of a similar nature, or any Canadian tax whatsoever. The price, however, includes all other taxes. If the Work is normally subject to federal excise tax, Canada will, upon request, provide the Contractor a certificate of exemption from such federal excise tax in the form prescribed by the federal regulations.

Canada will provide the Contractor evidence of export that may be requested by the tax authorities. If, as a result of Canada's failure to do so, the Contractor has to pay federal excise tax, Canada will reimburse the Contractor if the Contractor takes such steps as Canada may require to recover any payment made by the Contractor. The Contractor must refund to Canada any amount so recovered.

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) the original and one (1) copy must be forwarded to the address shown in the call-up for certification and payment;
 - (b) One (1) copy must be forwarded to:

Department of Fisheries and Oceans
Canadian Coast Guard
200 Kent St. Ottawa, ON. K1A 0E6 Canada
Attention: Jean-Marc Trottier, Senior SAR Coordination Officer
 - (c) One (1) copy must be forwarded to:

Department of Fisheries and Oceans
Search and Rescue
200 Kent St., Floor #5, Room 5E216
Ottawa, ON. K1A 0E6 Canada
Attention: Kristen Bond, A/Manager, Search and Rescue
 - (d) One (1) copy must be forwarded to the Standing Offer Authority.

6. Delivery, Inspection and Acceptance

6.1 Excess Goods

The quantity of goods to be delivered by the Contractor is specified in the call-up against the Standing Offer. The Contractor remains liable for any shipment in excess of that

quantity whether the excess quantity is shipped voluntarily or as a result of an error by the Contractor. Canada will not make any payment to the Contractor for goods shipped in excess of the specified quantity. Canada will not return the said goods to the Contractor unless the Contractor agrees to pay for all the costs related to the return, including but not limited to administrative, shipping and handling costs. Canada will have the right to deduct such costs from any invoice submitted by the Contractor.

6.2 Incomplete Assemblies

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

6.3 Palletization

1. For all shipments exceeding 0.566 m³ or 15.88 kg (20 ft³ or 35 lbs), except for those shipped by courier, the following applies:
 - (a) The Contractor must strap, and if necessary wrap, shipments on standard 1.22 m x 1.02 m (48 in. x 40 in.) wood pallets. The four-way forklift entry pallet must be supplied at no charge to Department of National Defence. Total height, including pallet, must not exceed 1.19 m (47 in.). The pallet load must not extend further than 2.54 cm (1 in.) from any edge of the pallet.
 - (b) The Contractor must group items by stock number (on the same pallet) within consolidated shipments. Pallet loads composed of more than one stock number must be marked as "MIXED ITEMS".
 - (c) Individual items exceeding 1.22 m (48 in.) in length or 453.6 kg (1000 lbs) must be secured to larger pallets or must have 10.16 cm x 10.16 cm (4 in. x 4 in.) skids securely fastened to the bottom of the item. Skids must be separated by a minimum of 71.12 cm (28 in.).
2. Any exception (other than those specified in Schedule 1) requires the prior approval of the Contracting Authority.

6.4 Wood Packaging Materials

All wood packaging materials used in international shipping must conform to the "Guidelines for Regulating Wood Packaging Material in International Trade" - ISPM 15 (International Standards for Phytosanitary Measures - <http://www.spc.int/pps/ispm.htm>).

Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:

D-98-08 - Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States (<http://www.inspection.gc.ca/english/plaveg/protect/dir/d-98-08e.shtml>); and

D-01-05 - The Canadian Wood Packaging Certification Program (CWPCP) (<http://www.inspection.gc.ca/english/plaveg/protect/dir/d-01-05e.shtml>).

6.5 Shipping Instructions

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

FOB Destination including all delivery charges and customs duties and taxes.

6.6 Inspection and Acceptance

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

7. Insurance

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

Self Locating Datum Marker Buoys Technical Specifications

Ver 2.5.2



January 2012

Canadian Coast Guard
Maritime Search & Rescue

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1 INTRODUCTION

The Canadian Coast Guard (CCG) is responsible for maritime search and rescue (SAR) operations within Canada's Search and Rescue Region (SRR), which spans the nation and covers all the Great Lakes, Arctic, Pacific and Atlantic oceans. There is a requirement to be able to ascertain drift and water movement conditions throughout the SRR for maritime search and rescue planning purposes.

This requirement is for Self Locating Datum Marker Buoys (SLDMBs), which are a free drifting electronic buoy used to track surface ocean currents, reporting its position in near real time using world-wide satellite communication. Every vessel and SAR unit in the CCG's fleet are required to carry at least one SLDMB on board as requested in the CCG Fleet order 207. New vessels like the Mid Shore Patrol Vessel will also need to be equipped with SLDMB.

For the purposes of this document "MUST" means a mandatory or critical requirement, "SHOULD" means a non-critical or desirable feature.

The average period for active searches for survivors in water is three days. Where searches involve liferafts or vessels, searches may continue for five or more days. In these situations, the use of SLDMBs for the entire period of the search is vital to determine drift for planning search operations. The SLDMB must be deployable from Canadian Coast Guard (CCG) vessels and must continue to operate for a minimum of five (5) days after deployment and have a shelf life of at least three (3) years.

2 HYDRODYNAMIC CHARACTERISTICS

2.1 Drift Characteristics

The SLDMB must drift with the surface current and have near zero leeway (wind forcing).

2.2 Flotation

The SLDMB must float in an upright attitude. When overturned or displaced by wave action or another upsetting force, the SLDMB must return to the proper upright position within 10 seconds after the termination of the upsetting force.

Float design may be spheres, cylinders, quarter cylinders, or modified cylinders. The float design must not be discs, cubes, or rectangular shapes that provide edges to catch the wind.

3 OPERATIONAL REQUIREMENTS

3.1 Operating Life

The SLDMBs must operate for a period of not less than five (5) days at the default Operation Transmission Scheme in near freezing water temperature (zero degrees Celsius). The time begins when the SLDMBs are turned on.

3.2 Operation Transmission Scheme

For purposes of power consumption and requirements the SLDMB must have a Transmission of Scheme of a rapid response mode of reporting, followed by a less frequent mode of reporting.

The default data transmission rate on power-up must be every 10 to 15 minutes. After the first 12 to 24 hours of operation, it must automatically switch to reporting every 30 minutes for a minimum of 24 hours. Afterwards it must switch to sampling every 30 to 60 minutes.

The user should be able to change the reporting schedule after deployment.

3.3 Operating Environment

The parameters in the Table 1: Operating Environment define the conditions in which the SLDMB must operate after deployment. Operations must include acquiring GPS positions, time of position fix and sensor data, and successfully transmitting data through the Iridium System 90 percent or greater of the time when the conditions listed in Table 1 apply.

Table 1: Operating Environment

Characteristic	Specification
Air Temperature	-30 to +35°C
Water Temperature	-2 to 25°C
Water Type	Fresh and Salt Water
Significant Wave Height	0 to 7.6 meters
Wind Speed at 10 m Height	0 to 40 knots

3.4 Survival Environment

The survival environment is the set of conditions in which the SLDMBs must survive after deployment without damage. When conditions improve to those of the operating environment, the SLDMBs must resume operating at the level specified for the operating environment. Table 2 lists the survival conditions.

Table 2: Survival Environment

Characteristic	Specification
Air Temperature	-30 to +35°C
Water Temperature	-2 to +35°C
Water Type	Fresh and Salt Water
Significant Wave Height	0 to 12 meters
Wind Speed at 10 m Height	0 to 70 knots

3.5 Operator's manual

The following documentation must be provided with each SLDMB:

- SLDMB Operator's Manual.

Operator's manual must be provided with each SLDMB in both official languages, English and French.

An electronic version of the manuals must be available upon demand or accessible on the manufacturer website.

3.6 Operator Training

Operation and maintenance of the SLDMBs should require no training other than reading and understanding the operator's manual. All controls, switches and other devices required to operate the SLDMBs must be readily accessible from the exterior of the unit, clearly labeled in highly contrasting lettering from the background, and intuitively easy for the operator to understand and operate, in both official languages. The number of such controls, switches, and other devices required to operate the SLDMBs should be kept to an absolute minimum. No tools or special devices must be required to activate or deploy the SLDMBs. A training DVD demonstrating the deployment procedure should be provided in both official languages.

4 DATA ACQUISITION

4.1 GPS Receiver

Accurate positional data is essential for the Search Mission Coordinators to enable positioning of search and rescue units in all sea conditions, and to aid accurate search

planning in potentially complex tidal and sea movement conditions. The SLDMB must contain a GPS receiver. The GPS receiver must acquire the signal from the GPS satellites and determine the position of the SLDMB. The GPS receiver must have 12 or more channels to minimize acquisition time.

4.2 Sea Surface Temperature

Ambient water temperature should be sampled with an accuracy of $\pm 0.2^{\circ}\text{C}$ or better. The temperature should be measured over a range of -2.0°C to $+25^{\circ}\text{C}$ or better. The sensor should come to equilibrium with the surrounding water temperature within 20 minutes of immersion.

5 COMMUNICATIONS

5.1 SLDMB Data for Maritime Search Planning

The SLDMBs must be proven to work with the CCG's automated maritime search planning software CANSARP. Test will be done by CANSARP maintenance team at the CCG College to determine if the SLDMB is capable to interface with CANSARP or if not if it can be formatted or adjusted to be compatible with CANSARP.

5.2 Iridium Short Burst Data (SBD) Modem

The electronics package of the SLDMBs must acquire, format, and transmit sensor data to and must receive messages from the satellite-based Iridium System. The Iridium SBD modem must be certified by Iridium.

Each message must contain, at the minimum, the GPS Fix (Latitude, Longitude, and the measure of GPS accuracy, specifically the horizontal dilution of precision or DOP), and the universal coordinated time of the GPS Fix.

The CCG SLDMB standard SBD message transmission format is:

YYMMDDhhmmssNaaaaaaaaWooooooooXXsTTT

YY = Year - 2000

MM = Month of Year

DD = Day of Month

hh = Hour of the Day

mm = Minute of the Hour

ss = Second of the Minute

N = Hemisphere of Latitude (N or S)

aaaaaaaa = 0.00001 Degrees of Latitude

W = Hemisphere of Longitude (W or E)

oooooooo = 0.00001 Degrees of Longitude

XX = Horizontal Dilution of Precision (expressed as a whole number)

S = Plus or minus sign [+ or -] for temperature reading

TTT= temperature reading in degrees Celsius x 10.

Differing SBD message formats are acceptable if proven to work with the CCG's automated maritime search planning software CANSARP. If not, then the supplier is responsible for the cost of the CANSARP software change - a one-time cost of approximately \$10k for each new message format.

In the event of non-availability of a communications path, SLDMBs should store positional movement data onboard, as a minimum, date/time, latitude and longitude. This information should be collated and sent as a single report when communications are restored.

5.3 Meaning of Dilution Of Precision (DOP) Values

DOP Value	Rating	Description
01	Ideal	This is the highest possible confidence level to be used for applications demanding the highest possible precision at all times.
01-02	Excellent	At this confidence level, positional measurements are considered accurate enough to meet all but the most sensitive applications.
02-05	Good	Represents a level that marks the minimum appropriate for making business decisions. Positional measurements could be used to make reliable in-route navigation suggestions to the user.
05-10	Moderate	Positional measurements could be used for calculations, but the fix quality could still be improved.
10-20	Fair	Represents a low confidence level. Positional measurements should be discarded or used only to indicate a very rough estimate of the current location.
>20	Poor	At this level, measurements are inaccurate by as much as 300 meters with a 6 meter accurate device ($50 \text{ DOP} \times 6 \text{ meters}$) and should be discarded.

The SLDMB should reject positions with a DOP greater than 10 and resample until a good position is obtained, then transmit that data.

6 DEPLOYMENT

6.1 Vessel Deployable SLDMBs

The major concerns for deployment from surface craft are ease of preparing the SLDMB for deployment and ensuring the SLDMB stays clear of propulsion and steering mechanisms when deployed.

The SLDMBs must be designed to be deployed by hand by one person. No tools must be required to prepare for or perform the deployment. The SLDMBs must deploy successfully using a tossing or dropping motion by the operator in a standing position, from a distance of up to 15 meters above the water.

The unit should have minimal packaging, e.g.: unit held in the closed position with water-soluble tape and a removable waterproof wrapper.

It should be possible to return the SLDMB to its dormant state if set for deployment but not actually dropped.

6.2 Refurbishment

The SLDMBs should be capable of being refurbished at least once and be certified for at least three more years of service. Refurbishment means changing the power pack/batteries with new one(s), testing the electronics including the activation switch and re-packaging the unit to allow for another three year usability period. The unit should be refurbishable or maintainable by the CCG's personnel or the operator without sending back to the manufacturer.

6.3 Self Deployment

After entering the water the SLDMBs must successfully self deploy into the fully deployed configuration. The time after entering the water until the SLDMBs are fully deployed and the GPS receivers are activated must be not more than 20 minutes.

6.4 Recovery

Recovery, refurbishment, disposal and/or destruction instructions should be provided in the operator's manual. The instructions should include environmental implications, for SLDMBs following an operational deployment (including the environmental impact of a unit that sinks at the end of its life, and the handling required for one that is inadvertently recovered) and at the end of their storage or operational life.

7 POWER REQUIREMENTS

Batteries used in the buoy must not require recharging, and must not be considered dangerous goods. The type of batteries should be alkaline batteries that require no special handling.

8 PACKAGING AND STORAGE REQUIREMENTS

8.1 Robustness

The SLDMBs must be designed and built to withstand all the mechanical shocks to which it will be exposed during shipping, storage, deployment, and operation without damage. The SLDMBs must function mechanically and electronically after deployment. Mechanical shocks to which the SLDMBs will be exposed are as follows:

- Shipment from the manufacturer to the customer, by air sea and land (road and rail)
- Handling by technicians, boat, and air crew personnel
- Storage in the shelf storage environment
- Floating in the water after deployment (operating environment)
- Storage on board vessels

8.2 Operational and Storage Life

The SLDMBs, in packaging, must remain fully operational for a minimum of 36 months after receipt. The buoys may be stored in shelf storage environment conditions found in an indoor storage facility or onboard a ship. The shelf storage facility will be enclosed on all sides, roofed and protected from liquid moisture, but may have 100 percent relative humidity. The environment may not be air-conditioned. The storage facility's air temperature will not be less than -30°C and not greater than +35°C. Storage conditions onboard ships are similar but include in surplus vibrations due to the engine and motion of the vessel, all this in a saline condition due to sea environment.

8.3 Labeling

8.3.1 Buoy

Each Buoy must have a permanent label attached containing a unique buoy serial number and the date of expiry. As the buoy contains an Iridium modem, the label must also contain the Iridium IMEI number. The Iridium number may substitute as the buoy serial number.

8.3.2 *Waterproof Wrapper (if applicable)*

Each waterproof wrapper must have a label repeating the Buoy label information, as well as a "REMOVE THIS WRAPPER IMMEDIATELY BEFORE DEPLOYMENT" label.

9 ENVIRONMENTAL IMPACT REQUIREMENTS

All parts of the SLDMB system (buoy, electronics and packaging) supplied by the contractor should be constructed using environmentally responsible materials to the fullest extent possible. The use of any material or concentration of material known to have deleterious effect on marine organisms must not be allowed.

9.1 Toxic Metals

There must be no cadmium, mercury nor non-metallic chromium (including any chromate conversion coating) used in the construction, other than as trace contaminants. The total weight of all the lead must be less than 10 percent of the package buoy weight.

9.2 Cavity Filling Compounds

The use of perfluoro compounds with low toxicity to marine life, low solubility in water, and a density significantly greater than seawater will be allowed (e.g. Fluorinert™ Electronic Liquids). Oil, grease, or other organohalogen material, not specifically addressed in this section, must not be used; organohalogenes are organic (carbon-containing) materials with fluorine, chlorine, bromine, or iodine constituents. Material that leaves a visible sheen on a water surface when mixed in a ratio weaker than or equal to 1:100 parts can be used.

9.3 Toxic Materials

Any carcinogen, mutagen, teratogen or suspected carcinogen, suspected mutagen or suspected teratogen not specifically addressed in this section must NOT be present in the SLDMB.

9.4 Pollutants

There must be no marine pollutants (including priority marine pollutants) in the delivered SLDMB system, other than as trace contaminants. Trace level is defined as the level naturally occurring in the operating environment (e.g. ocean). Contaminants are defined as those items not specifically added to the process/material for a specific function.

10 RELIABILITY

The SLDMB will be used during search and rescue missions. High reliability is very important to these missions. Ninety-five percent or greater of the SLDMBs should be operational and should provide useful data during the period of 12 hours after deployment. Eighty percent or greater of the SLDMBs should remain operational and should provide useful data at least 5 days after deployment.

11 SAFETY CONSIDERATIONS

The SLDMBs should be designed for safe deployment from the platforms listed in section 6 of this specification.

11.1 Personnel Hazards

The SLDMBs must have no sharp edges, projections or other physical characteristics capable of injuring the operator if operated in accordance with the manufacturer's written instructions.

11.2 Hazard Identification

Safety hazards pertaining to the handling, operations, deployment or maintenance of the SLDMBs must be identified by labels, color, tactile indicators, or other appropriate methods.

11.3 Explosive Devices

The SLDMBs must not contain nor be attached to any explosive device.

11.4 Spring Loaded Devices

Any devices that are spring loaded or otherwise designed to deploy suddenly and forcefully must incorporate safety devices to prevent injury to personnel. Such devices must be clearly explained and illustrated in the operator's manual with a label attached to the outside of the SLDMB. The operator's manual must incorporate complete instructions for operation of these devices and must contain appropriate warnings concerning the safety hazards involved in both official languages.

12 SUPPLEMENTAL DOCUMENTATION FOR BID EVALUATION

The following documentation should be provided:

- Technical report on SLDMB environmental testing;
- Statistical report(s) on SLDMB survivability, accuracy and reliability based on multiple field trials;
- SLDMB Technical Manual.

MANDATORY CRITERIA FOR THE CCG SLDMB

Date: ____ / ____ / ____

Company Name:				
Cost per SLDMB:				
Specification		Requirement	Complies (YES or NO)	Manufacturer's Compliance Statement
Characteristics		The SLDMB must drift with the surface current and have near zero leeway (wind forcing).		
Performance		The SLDMB must float in an upright attitude. When overturned or displaced by wave action or another upsetting force, the SLDMB must return to the proper upright position within 10 seconds after the termination of the upsetting force. The float design must not be discs, cubes, or rectangular shapes that provide edges to catch the wind.		

MANDATORY CRITERIA FOR THE CCG SLDMB

Date: ____/____/____

ing Life	The SLDMBs must operate for a period of not less than five (5) days at the default Operation Transmission Scheme in near freezing water temperature (zero degrees Celsius). The time begins when the SLDMBs are turned on.		
on Transmission	For purposes of power consumption and requirements the SLDMB must have a Transmission of Scheme of a rapid response mode of reporting, followed by a less frequent mode of reporting. The default data transmission rate on power-up must be every 10 to 15 minutes. After the first 12 to 24 hours of operation, it must automatically switch to reporting every 30 minutes for a minimum of 24 hours. Afterwards it must switch to sampling every 30 to 60 minutes.		
ing Environment	The parameters in the Table 1: Operating Environment define the conditions in which the SLDMB must operate after deployment. Operations must include acquiring GPS positions, time of position fix and sensor data, and successfully transmitting data through the Iridium System 90 percent or greater of the time when the conditions listed in Table 1 apply.		
I Environment	The survival environment is the set of conditions in which the SLDMBs must survive after deployment without damage. When conditions improve to those of the operating environment, the SLDMBs must resume operating at the level specified for the operating environment.		

MANDATORY CRITERIA FOR THE CCG SLDMB

Date: ____ / ____ / ____

Operator's manual	<p>The following documentation must be provided with each SLDMB:</p> <ul style="list-style-type: none"> SLDMB Operator's Manual. <p>Operator's manual must be provided with each SLDMB in both official languages, English and French.</p> <p>An electronic version of the manuals must be available upon demand or accessible on the manufacturer website.</p>		
Operator Training	<p>All controls, switches and other devices required to operate the SLDMBs must be readily accessible from the exterior of the unit, clearly labeled in highly contrasting lettering from the background, and intuitively easy for the operator to understand and operate, in both official languages.</p> <p>No tools or special devices must be required to activate or deploy the SLDMBs.</p> <p>The SLDMB must contain a GPS receiver. The GPS receiver must acquire the signal from the GPS satellites and determine the position of the SLDMB. The GPS receiver must have 12 or more channels to minimize acquisition time.</p>		
GPS receiver	<p>The SLDMB must contain a GPS receiver. The GPS receiver must acquire the signal from the GPS satellites and determine the position of the SLDMB. The GPS receiver must have 12 or more channels to minimize acquisition time.</p>		
Data for Maritime Planning	<p>The SLDMBs must be proven to work with the CCG's automated maritime search planning software CANSARP.</p>		
Short Burst Data System	<p>The electronics package of the SLDMBs must acquire, format, and transmit sensor data to and must receive messages from the satellite-based Iridium System.</p>		
Short Burst Data System (Continued)	<p>The Iridium SBD modem must be certified by Iridium.</p> <p>Each message must contain, at the minimum, the</p>		

MANDATORY CRITERIA FOR THE CCG SLDMB

Date: ____ / ____ / ____

	GPS Fix (Latitude, Longitude, and the measure of GPS accuracy, specifically the horizontal dilution of precision or DOP), and the universal coordinated time of the GPS Fix.		
Deployable SLDMBs	The SLDMBs must be designed to be deployed by hand by one person.		
	No tools must be required to prepare for or perform the deployment.		
Deployment	The SLDMBs must deploy successfully using a tossing or dropping motion by the operator in a standing position, from a distance of up to 15 meters above the water.		
	After entering the water the SLDMBs must successfully self deploy into the fully deployed configuration. The time after entering the water until the SLDMBs are fully deployed and the GPS receivers are activated must be not more than 20 minutes.		
Requirements	Batteries used in the buoy must not require recharging, and must not be considered dangerous goods.		
Access	The SLDMBs must be designed and built to withstand all the mechanical shocks to which it will be exposed during shipping, storage, deployment, and operation without damage.		
	The SLDMBs must function mechanically and electronically after deployment.		

**MANDATORY CRITERIA
FOR THE CCG SLDMB**

Date: ____ / ____ / ____

Life	The SLDMBs, in packaging, must remain fully operational for a minimum of 36 months after receipt.		
	Each Buoy must have a permanent label attached containing a unique buoy serial number and the date of expiry. As the buoy contains an Iridium modem, the label must also contain the Iridium IMEI number.		
Waterproof Wrapper (applicable)	Each waterproof wrapper must have a label repeating the Buoy label information, as well as a "REMOVE THIS WRAPPER IMMEDIATELY BEFORE DEPLOYMENT" label.		
Environmental Impacts	The use of any material or concentration of material known to have deleterious effect on marine organisms is not allowed.		
Metals	There must be no cadmium, mercury nor non-metallic chromium (including any chromate conversion coating) used in the construction, other than as trace contaminants. The total weight of all the lead must be less than 10 percent of the package buoy weight.		
Filling Compounds	Oil, grease, or other organohalogen material, not specifically addressed in this section, must not be used;		
Materials	Any carcinogen, mutagen, teratogen or suspected carcinogen, suspected mutagen or suspected teratogen not specifically addressed in this section		

MANDATORY CRITERIA FOR THE CCG SLDMB

Date: ____ / ____ / ____

	must NOT be present in the SLDMB.		
nts	There must be no marine pollutants (including priority marine pollutants) in the delivered SLDMB system, other than as trace contaminants.		
nel Hazards	The SLDMBs must have no sharp edges, projections or other physical characteristics capable of injuring the operator if operated in accordance with the manufacturer's written instructions.		
d Identification	Safety hazards pertaining to the handling, operations, deployment or maintenance of the SLDMBs must be identified by labels, color, tactile indicators, or other appropriate methods.		
ive Devices	The SLDMBs must not contain nor be attached to any explosive device.		
Loaded Devices	Any devices that are spring loaded or otherwise designed to deploy suddenly and forcefully must incorporate safety devices to prevent injury to personnel. Such devices must be clearly explained and illustrated in the operator's manual with a label attached to the outside of the SLDMB. The operator's manual must incorporate complete instructions for operation of these devices and must contain appropriate warnings concerning the safety hazards involved in both official languages		

Schedule "1" - Pricing

Standing Offer Period	Qty	Firm Unit Prices				
		Column A FOB Destination St John 's Newfoundland	Column B FOB Destination Dartmouth, Nova Scotia	Column C FOB Destination Quebec, Quebec	Column D FOB Destination Sarnia, Ontario	Column E FOB Destination Victoria, British Columbia
Year 1 (Date of Sanding Offer to March 31, 2013)	1					
Year 2 (April 1, 2013 to March 31, 2014)	1					
Year 3 (April 1, 2014 to March 31, 2015)	1					
Option Year 1 (April 1, 2015 to March 31, 2016)	1					
Option Year 2 (April 1, 2016 to March 31, 2017)	1					
Option Year 3 (April 1, 2017 to March 31, 2018)	1					
*Total Unit Cost						

* Total for evaluation purposes is based on a quantity of one (1) each for each of the years identified above.

The currency applicable to this bid is: _____.

Schedule "2" - Delivery Points

The following delivery points may apply to call-ups against the Standing Offer:

Destination

Canadian Coast Guard
NL Region
Maritime Search and Rescue
Canadian Coast Guard base
280 Southside Road
St. John's (Newfoundland)
A1C 5X1
Attention: SAR Superintendant

Canadian Coast Guard
Search and Rescue Division
27 Parker Street
Dartmouth (Nova Scotia)
B2Y 3Z8
Attention: SAR Superintendant

Garde côtière canadienne
Services Maritimes
Recherche et Sauvetage
101 Boulevard Champlain
Dépôt 18
Québec (Québec)
G1K 7Y7
Attention: SAR Superintendant

Canadian Coast Guard
520 Exmouth Street
Sarnia (Ontario)
N7T 8B1
Attention: SAR Superintendant

Canadian Coast Guard
21 Huron Street
Victoria (British Columbia)
V8V 4V9
Attention: SAR Superintendant

Fisheries & Oceans Canada
MSPV
13 Akerley Blvd
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Attention: MSPV Project Planning and Control Officer