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PART 1 - GENERAL INFORMATION

1.1 Introduction

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

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

The Annexes include the Statement of Work, the Basis of Payment, Insurance Requirements, and Equipment Specification and Service Requirements.

1.2 Summary

1.2.1 Marine Atlantic Inc., has a requirement for a Standing Offer for the provision of expertise and qualified personnel to supply regulatory inspections, servicing, tests, and repairs on fire-fighting systems for Marine Atlantic's current fleet of vessels:

- (a) Leif Ericson
- (b) Highlanders
- (c) Atlantic Vision
- (d) Blue Puttees

Marine Atlantic reserves the right to add or change vessels at any time during the Standing Offer, and the pricing shall remain the same as set out pursuant to Annex B – Basis of Payment.

The period of the Standing Offer is from date of award for a period of two years. There are two additional option periods, one for a two-year duration, and the other for a one-year duration.

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

1.3 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 7.15 Transition to an e-Procurement Solution (EPS).

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

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](#) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) 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](#) (2019-03-04) 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

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

Bid Receiving Unit
Public Works and Government Services Canada
1713 Bedford Row
Halifax, Nova Scotia B3J 1T3

Epost Connect Service: TSPGC.RARceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca

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

Facsimile number: 902-496-5016

2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the offer non-responsive.

Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the [Financial Administration Act](#) R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Offeror a FPS in receipt of a pension? **YES** () **NO** ()

If so, the Offeror must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Offerors agree that the successful Offeror's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

Is the Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **YES** () **NO** ()

If so, the Offeror must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

2.4 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than five (5) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

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

2.5 Applicable Laws

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

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

PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1 Offer Preparation Instructions

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

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

- If the Offeror chooses to submit its offer in hard copies, Canada requests that the Offeror provides its offer in separately bound sections as follows:

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

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

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

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

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

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

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

Procurement (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, Offerors should:

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

Section I: Technical Offer

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

Section II: Financial Offer

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

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

1. Bidders must supply a copy of the proponent and any sub-contractor(s) DNV-GL (Class) certification. The supplier shall inspect and test fire-fighting equipment in accordance with classification DNV-GL and Flag State Fire Detection and Extinguishing Equipment Regulations.
2. Bidders must supply a letter from each Original Equipment Manufacture confirming that the proponent and sub-contractor(s) are authorized to service the following systems:
 1. Hein Larsen CO2 High Pressure System
 2. KIDDE CO2 High Pressure System
 3. Ansul Dry Powder System
 4. Ansul Galley Fire Suppression System
 5. UNITOR CO2 High Pressure System
 6. KIDDE WHDR 260 Galley Fire Suppression System
 7. NOVENCO Local Area and Water Mist FI-FI XFLOW System
 8. Minimax Fixed Main CO2 System
 9. Minimax CO2 Systems

10. Marioff Hi Fog System

4.1.2 Financial Evaluation

4.1.2.1 Evaluation of Price - Offer

SACC *Manual* Clause [M0220T](#) (2016-01-28), Evaluation of Price-Bid

4.2 Basis of Selection

4.2.1 Basis of Selection - Mandatory Technical Criteria Only

SACC *Manual* Clause M0031T (2007-05-25) Basis of Selection – Mandatory Technical Criteria only

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 Federal Contractors Program for Employment Equity - Standing Offer Certification

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

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

PART 6 - INSURANCE REQUIREMENTS

6.1 Insurance Requirements

The Offeror must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Offeror, if issued a standing offer as a result of the request for standing offer, can be insured in accordance with the Insurance Requirements specified in Annex C.

If the information is not provided in the offer, 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 requirement within that time period will render the offer non-responsive.

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

7.1 Offer

7.1.1 The Offeror offers to perform the Work in accordance with the Statement of Work at Annex "A".

7.2 Security Requirements

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

7.3 Standard Clauses and Conditions

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

7.3.1 General Conditions

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

7.4 Term of Standing Offer

7.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is from date of award to February 28, 2022.

7.4.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for an additional two periods, Option Period 1 from March 1, 2022 to February 29, 2024; and Option Period 2 from March 1, 2024 to February 28, 2025 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 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 Delivery Points

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

7.5 Authorities

7.5.1 Standing Offer Authority

The Standing Offer Authority is:

Name: Linda Richard
Title: Acting Supply Team Leader
Public Works and Government Services Canada
Acquisitions Branch
Address: 1713 Bedford Row
Halifax, Nova Scotia B3T 1M3

Telephone: (902) 402-9059
Facsimile: (902) 496-5016

E-mail address: linda.k.richard@pwgsc.gc.ca

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

7.5.2 Project Authority

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

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

7.5.3 Offeror's Representative (Bidders – please complete)

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ - ____ - _____

Facsimile: ____ - ____ - _____

E-mail address: _____

7.6 Proactive Disclosure of Contracts with Former Public Servants

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

7.7 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is: Marine Atlantic Inc..

7.8 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.

7.9 Limitation of Call-ups

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

7.10 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$434,800.00 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, 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.

7.11 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 general conditions 2010C (2018-06-21), General Conditions – Services (Medium Complexity)
- e) Annex A, Statement of Work;
- f) Annex B, Basis of Payment;
- g) Annex C, Insurance Requirements;
- h) the Offeror's offer dated _____ (*insert date of offer*).

7.12 Certifications and Additional Information

7.12.1 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.

7.12.2 SACC Manual Clauses

SACC Manual Clause [M3020C](#) (2016-01-28), Status and Availability of Resources

7.13 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 Newfoundland and Labrador.

7.14 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.

7.1 Statement of Work

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

7.2 Standard Clauses and Conditions

7.2.1 General Conditions

[2010C](#) (2018-06-21), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

7.3 Term of Contract

7.3.1 Period of the Contract

The Work is to be performed during the period of _____ (*fill in start date of the work*) to _____ (*fill in end date of the work*).

7.4 Proactive Disclosure of Contracts with Former Public Servants

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

7.5 Payment

7.5.1 Basis of Payment

For the Work described in the Statement of Work in Annex A:

In consideration of the Contractor satisfactorily completing its obligations under the Contract, the Contractor will be paid firm unit prices for a cost of \$_____ (insert the amount at call-up). Customs duties are included and Applicable Taxes are extra.

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

7.5.2 Single Payment

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

7.6 Invoicing Instructions

- The supplier shall submit an invoice for each portion of work performed delivered to:

Marine Atlantic
Email: invoices@marine-atlantic.ca

- Invoices must clearly indicate, at a minimum:
 - (a) MAI Purchase Order number;
 - (b) Date Deliverables supplied;
 - (c) Work site (i.e., vessel name);
 - (d) Description of the type(s) of work performed in the form of a written report signed off by the Master or designate.
 - (e) An itemized breakdown showing all personnel and hours worked;
 - (f) An itemized breakdown of the cost for any parts supplied as part of the Deliverables (pre and post mark-up);
 - (g) The total amount payable with GST/HST shown as separate amounts; and
 - (h) The supplier's GST/HST registration number.

- MAI will bear no responsibility for delays in approving invoices that do not conform to these submission requirements.

7.7 Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified in Annex C. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

ANNEX "A"

STATEMENT OF WORK

The supplier will provide expertise and qualified personnel to supply regulatory inspections, servicing, tests, and repairs on fire-fighting systems for Marine Atlantic's current fleet of vessels:

- (e) Leif Ericson
- (f) Highlanders
- (g) Atlantic Vision
- (h) Blue Puttees

Marine Atlantic reserves the right to add or change vessels at any time during the Contract, and the pricing shall remain the same as set out pursuant to Annex B – Basis of Payment.

The supplier must be Det Norske Veritas group (DNV-GL) certified and be an Authorized Representative for all systems identified under the specifications of each vessel.

MAI will notify the supplier when an inspection is required. All inspection, services, and tests are to be completed by the supplier as per the manufactures schedule Marine Atlantic reserves the right to add or change vessels at any time during the Contract, and the pricing shall remain the same as set out pursuant to Annex B – Basis of Payment.

The supplier must complete all inspections prior to the certificate expiring. MAI reserves the right to implement its own schedule(s) or checklist(s) at any time during the term of the contract.

The supplier will be required to have service personnel and equipment on site within a minimum of eight (8) hours once requested during standard business hours and/or emergency call outs. The supplier will be expected to supply Deliverables while the vessels are docked as well as during sailings. The supplier is responsible for coordinating all carriage if required to board MAI vessels. MAI will reimburse boarding charges at cost.

The supplier will be responsible for procuring original equipment manufacturer spare parts and providing a list of corrective actions and recommendations, if applicable.

Scope of Work

The supplier must advise MAI of work outside the requested scope of work that needs to be done. Extra work outside the deliverables of each individual request must only be done upon prior written authorization of the Master or designate.

Emergency call-out services

In the event Marine Atlantic requests Deliverables on an emergency basis, the supplier must, upon receipt of such a request, make every reasonable effort to provide a rapid and timely response within a minimum of four (4) hours by attending the vessel and performing all necessary adjustments or repairs that may be required.

A.1. Coordinating Work

i. MAI - Vessel Point of Contact(s)

MAI will appoint an individual to act as the point of contact ("MAI POC"). The supplier must ensure that the supply of all Deliverables is coordinated with the MAI POC or their designate.

ii. Supplier – Project Manager/Vessel Point of Contact(s)

The supplier must appoint a primary point of contact (the "Supplier's Primary POC") to oversee all activities and act as the single point of contact for all administrative, contractual, and coordination matters related to the Deliverables. The Supplier's Primary POC will be responsible for coordinating all work efforts and must ensure single point accountability for all work performed.

The supplier must also designate a Supplier point of contact for each vessel ("Supplier Vessel POC"), the Supplier Vessel POCs are expected to coordinate the supply of the vessel specific Deliverables directly with the Supplier's Primary POC.

The supplier must conduct all work during standard business hours unless preapproved by the MAI POC to ensure less disruption to the normal operations of the organization.

Training

- i. All technicians will complete a vessel orientation program at specified intervals approved by MAI. All certifications will need to be provided and up-to-date at that time.
- ii. Prior to supplying Deliverables on-board the vessels or at the Marine Atlantic terminal locations, personnel must successfully participate in a half-day Marine Atlantic led safety training session and vessel-visit, the timing and location of which will be determined by way of mutual agreement immediately following execution of contract.

Equipment and Testing

Changes to Equipment

- i. No changes are to be made to the equipment without written permission from Marine Atlantic 's Master or designate.

Report on Condition of Equipment

- i. The supplier must inform the Marine Atlantic Master or designate promptly and confirm in writing, any hazards, malfunctions or repairs that are necessary either for the protection of the equipment, or for general safety.

Inspection and Testing

- i. The supplier shall inspect and test fire-fighting equipment in accordance with classification DNV-GL and Flag State Fire Detection and Extinguishing Equipment Regulations

Reporting

- i. Upon completion of any regulatory inspection, service, test or repairs, the supplier will issue a written statement immediately to the Vessel Master detailing the items inspected/tested on each

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individual system and will certify that all the equipment has been inspected and/or serviced and is in good operational condition. Within a week of completion, the supplier will issue a Certificate of Inspection and report to the Vessel Master.

ANNEX "B"

BASIS OF PAYMENT

Regular Hours are between 0800 to 1700 - Monday to Friday excluding Statutory Holidays.

Emergency or Urgent Service Call pricing is for the same service as Service Call pricing except the Offeror's on-site response must be within 3 hours of receiving the call up. Non-emergency service call shall be provided within 3 days from date of call-up.

Pricing Periods for this requirement will be: Initial SO period: 2 years

1st Optional SO period: 2 years

2nd Optional SO period: 1 year

Service Calls:

Service Call pricing is an all-inclusive firm price for each person responding to a request for service and it includes but is not limited to: all traveling expenses, profit, overhead, direct labour, tools and equipment required to perform the first hour of on-site productive labour for one service representative. Service Call pricing will not be applicable if the service representative is already at the site when Call-up is received by the Contractor.

Minimum Call-up Hours: Regular Service Call: 3 hours

Emergency or Urgent Service Call: 3 hours

Bid Evaluation:

1. The price of the bid will be evaluated in Canadian dollars, the Goods and Services tax or the Harmonized Sales Tax excluded, FOB destination including Canadian customs duties and excise taxes included.
2. The estimated annual usage figures are for evaluation purposes only and does not infer all the quantities for that item will be utilized or that the quantities may not be exceeded.
3. Lowest overall evaluation price will be determined as follows for each location:

TABLE A – INITIAL TWO YEAR STANDING OFFER

ITEM	DESCRIPTION	Estimated Annual Hours	UNIT PRICE PER HOUR	EXTENDED PRICE
		(A)	(B)	(AXB) x 2 = (C)
A1	Service call during standard working hours	500 Hours	\$ _____ / hr	\$ _____
A2	Service call during overtime working hours – Weekends, Holidays and Weekdays after 5:00 PM	250 Hours	\$ _____ / hr	\$ _____
Total Extended Price Table A				\$ _____

Indicate Markup on Materials, Parts, Permits, certificates or any associates costs: % _____

TABLE B – OPTIONAL PERIOD 1 / TWO YEAR PERIOD

ITEM	DESCRIPTION	Estimated Annual Hours	UNIT PRICE PER HOUR	EXTENDED PRICE
		(A)	(B)	(AXB) x 2 = (C)
A1	Service call during standard working hours	500 Hours	\$_____/ hr	\$_____
A2	Service call during overtime working hours – Weekends, Holidays and Weekdays after 5:00 PM	250 Hours	\$_____/ hr	\$_____
Total Extended Price Table B				\$_____

Indicate Markup on Materials, Parts, Permits, certificates or any associates costs: % _____

TABLE C – OPTIONAL PERIOD 2 / ONE YEAR PERIOD

ITEM	DESCRIPTION	Estimated Annual Hours	UNIT PRICE PER HOUR	EXTENDED PRICE
		(A)	(B)	(AXB) = (C)
A1	Service call during standard working hours	500 Hours	\$_____/ hr	\$_____
A2	Service call during overtime working hours – Weekends, Holidays and Weekdays after 5:00 PM	250 Hours	\$_____/ hr	\$_____
Total Extended Price Table c				\$_____

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Indicate Markup on Materials, Parts, Permits, certificates or any associates costs: % _____

Total Evaluated Price:

Table A \$ _____

Table B \$ _____

Table C \$ _____

Sub-total \$ _____

ANNEX "C"

INSURANCE REQUIREMENTS

1. Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$5,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - l. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - m. Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.
 - n. Amendment to the Watercraft Exclusion to extend to incidental repair operations on board watercraft.
 - o. Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.
 - p. Litigation Rights: Pursuant to subsection 5(d) of the [Department of Justice Act](#), S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional

Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

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

For other provinces and territories, send to:

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

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

2. Automobile Liability Insurance

1. The Contractor must obtain Automobile Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence.
2. The policy must include the following:
 - a. Third Party Liability - \$2,000,000 Minimum Limit per Accident or Occurrence
 - b. Accident Benefits - all jurisdictional statutes
 - c. Uninsured Motorist Protection
 - d. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.

3. Ship Repairs and Liability Insurance

1. The Contractor must obtain Ship Repairers' Liability Insurance and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$10,000,000 per accident or occurrence and in the annual aggregate.

2. The Ship Repairers' Liability insurance must include the following:

- a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada as additional insured should read as follows: Canada, represented by Public Works and Government Services Canada.
- b. Waiver of Subrogation Rights: Contractor's Insurer to waive all rights of subrogation against Canada as represented by Marine Atlantic Inc. and Public Works and Government Services Canada for any and all loss of or damage to the vessel, however caused.
- c. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.
- d. Contractual Liability: The policy must, on a blanket basis or by specific reference to the contract, extend to assumed liabilities with respect to contractual provisions.
- e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
- f. Litigation Rights: Pursuant to subsection 5(d) of the [Department of Justice Act](#), S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

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

For other provinces and territories, send to:

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

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

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amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

ANNEX D

EQUIPMENT SPECIFICATION AND SERVICE REQUIREMENTS

Leif Ericson

The supplier must:

1. Carry out regulatory inspection and service on HEIN LARSEN CO2 High Pressure System for Engine Room, Aux Engine Room, and Purifier Room.
2. Carry out regulatory inspection and service on HEIN LARSEN CO2 High Pressure System for Emergency Generator Space.
3. Carry out regulatory inspection and service on KIDDE CO2 High Pressure System for Paint Locker and Galley Duct.
4. Carry out regulatory inspection and service on ANSUL Dry Powder System in boiler room.
5. Carry out regulatory inspection and service on ANSUL Galley Fire Suppression system for the Galley Fryers.
6. Supplier to carry out inspection of portable fire extinguishers, recharge (agent and propellant gas), hydrostatic testing and repairs as required by Transport Canada regulations.

Scope of Work, Deliverables and Acceptance Criteria

1. The following items are to be inspected, serviced as per the regulatory inspections and/or tested on the HEIN LARSEN High Pressure System for Engine Room, Aux Engine Room and Purifier Room:
 - Release System
 - Contents in cylinder level verified
 - Pilot cylinders level verified
 - Valves on all cylinders
 - All hoses
 - Main valve and distribution valves
 - Fan stop test
 - Cylinder clamps and connections checked for tightness

- Manifold
 - Warning alarm
 - Distribution lines and nozzles blown through, tested, and visually inspected
 - Doors, hinges, and locks
 - Instruction plates
 - System to be reconnected, sealed and left in operational order with inspection date labels
 - Co2 Bottles must be hydrostatically tested on a periodic basis.
2. The following items are to be inspected, serviced and/or tested on the HEIN LARSEN High Pressure CO2 System for Emergency Generator Room:
- Release System
 - Contents in cylinder level verified
 - Valves on all cylinders
 - Cylinder clamps and connections checked for tightness
 - All hoses
 - Manifold
 - Warning alarm
 - Distribution lines and nozzles blown through, tested, and visually inspected
 - Doors, hinges, and locks
 - Instruction plates
 - System to be reconnected, sealed and left in operational order with inspection date labels
 - Co2 Bottles must be hydrostatically tested on a periodic basis.
3. The following items are to be inspected, serviced and/or tested on the KIDDE High Pressure CO2 Systems for Paint Locker and Galley Duct:
- Release Mechanism
 - Contents in cylinder level verified

- Valves on all cylinders
 - Cylinder clamps and connections checked for tightness
 - All hoses
 - Manifold
 - Time Delay device and confirm correct setting
 - Warning alarm
 - Distribution lines and nozzles blown through, tested, and visually inspected
 - Doors, hinges, and locks
 - Instruction plates
 - System to be reconnected, sealed and left in operational order with inspection date labels
 - Co2 systems must have Co2 bottles hydrostatically tested on a periodic basis.
4. The following items are to be inspected, serviced and/or tested on the ANSUL Dry Powder System for Boiler Room:
- Release mechanism for pilot and gas cylinders
 - Contents of pilot and propellant gas cylinder verified
 - Safety Valves
 - Pressure regulators inspected and correct pressure setting verified
 - Distribution valves and lines
 - Condition of dry powder verified
 - All lines, nozzles and hoses
 - Doors, hinges, and locks
 - Instruction plates
 - System to be reconnected, sealed and left in operational order with inspection date labels
 - Dry chemical bottles must be hydrostatically tested on a periodic basis
5. The following items are to be inspected, serviced and/or tested on ANSUL Galley Fire Suppression system for the Galley Fryers:

- Release Mechanism
 - Contents in cylinder level verified
 - Appliances properly covered with correct nozzles
 - Positioning of nozzles
 - Seal integrity
 - Remote pull station
 - Cylinder and bracket
 - Fusible link and replace
 - Micro-switch
6. The following Portable Fire Extinguishers will require annual inspection, recharging and hydro-testing as required:
- 2KG Dry Powder quantity 2 pcs
 - 6KG Dry Powder quantity 3 pcs
 - 9KG Dry Powder quantity 50 pcs
 - 25KG Dry Powder quantity 1 pce
 - 50KG Dry Powder quantity 3 pcs
 - 9L Water quantity 37 pcs
 - 5KG Wet Chemical quantity 2 pcs
 - 6KG CO2 quantity 14 pcs
 - 9KG CO2 quantity 2

HIGHLANDERS

The supplier must:

1. Carry out regulatory inspection and service on UNITOR CO2 High Pressure System for Galley Duct.
2. Carry out regulatory inspection and service on KIDDE WHDR 260 Galley Fire Suppression System.
3. Carry out regulatory inspection and service on NOVENCO Local Area and Water Mist Fi-Fi XFLOW System (Two parts to system: Accommodations fully pressurized wet system, Engine Space is a dry system).

4. Supplier to carry out inspection of portable fire extinguishers, recharge (agent and propellant gas), hydrostatic testing and repairs as required by Transport Canada regulations.

Scope of Work, Deliverables and Acceptance Criteria

1. The following items are to be inspected and/or tested on the UNITOR CO2 High Pressure System for Galley Duct:

- Release System and distribution valves
- Contents in cylinder liquid level verified
- Cylinder clamps and connections checked for tightness
- Manifold
- Warning alarm
- Distribution lines and nozzles blown through, tested, and visually inspected
- Doors, hinges, and locks
- Instruction plates
- System to be reconnected, sealed and left in operational order with inspection date labels attached
- System bottles to be hydrostatically tested on a periodic basis.

2. The following items are to be inspected and/or tested on the KIDDE WHDR 260 Galley Fire Suppression System:

- Release Mechanism
- Pressure gauge and confirmation of correct pressure setting
- Cartridge weight to be verified
- Appliances covered with correct nozzles
- Ensure seal integrity
- Operation from remote pull stations
- Cylinder and mounting brackets
- Fusible link test and replacement
- Operation of micro-switch

-
- Clean nozzles, and ensure proper nozzle covers are in place
 - System to be reconnected, sealed and left in operational order with inspection date labels attached.
 - System bottles to be hydrostatically tested on a periodic basis.
3. The following items are to be inspected and/or tested on the NOVENCO Local Area and Water Mist Fi-Fi System:
- Release system/pumps/controls/service valves to be set in test mode
 - Propellant Cylinders weight verified
 - Extinguishing foam in dedicated tank to be extracted and sent for analysis
 - All cylinders, cylinder valves and clamps visually inspected
 - Distribution manifold, valves and components visually inspected
 - Control Cabinet and remote panels
 - Run pumps (3), verify operating pressure, amperage, fault alarms
 - Main release, control cabinet and manual release points function tested
 - Automatic detection/release simulated and tested
 - Cylinder backup release function verified
 - Warning alarms (Audible/visual) to fire hazard tested
 - Water strainers/filters inspected and cleaned
 - Distribution lines and nozzles blown through and visually inspected
 - System drained in the normally dry piped sections
 - Nozzles to be pressure tested as per NOVENCO recommendations and DNV-GL requirements
 - Engine Space Local protection system to have alarms and releases(auto release by 2 detectors and Valve bypass) tested in the following sections:
 - HFO Purifier Room
 - Main Engine SB
 - Main Engine PS

- Boiler Room
- Aux Eng 1+2 Space
- Engine Space Full Protection system to have alarms and releases(foam pump start, valve Bypass) tested in the following sections:
 - - Bilge Stbd
 - Bilge port
 - Main Engine Deck 1
 - Main Engine Deck 2
 - Casing
 - Fuel Treatment Room
 - Fuel Pump Room
 - Engine Room Workshop
 - Aux Engine Room
 - Emergency Generator/ UPS Room
 - Engine Room Total Flood
 - Motor Switchboard confirm function of:
 - Power
 - Space heaters
 - Auto to Local function
 - Pumps 1, 2, 3 start, running, and stop functions
 - Confirm setting for pressure switch, tank low level and low pressure alarms
 - Backup Nitrogen release tested
 - Flushing of the system
 - System bottles to be hydrostatically tested on a periodic basis.

- Ensure system is left in standby mode and ready for immediate use once testing and inspections are completed.
4. The following Portable Fire Extinguishers will require annual inspection, and recharging and hydro-testing as requested by MAI
- 15 lb CO2 quantity 16 pcs
 - 50 lb CO2 quantity 2 pcs
 - 30 lb Dry Powder quantity 183 pcs
 - 125 lb Dry Powder quantity 12 pcs
 - 9L Foam quantity 4

ATLANTIC VISION

The supplier must:

1. Carry out regulatory inspection and service on MINIMAX Fixed Main CO2 System installed in main engine room, aux engine room, switch board room, incinerator/transformer room, separator and FO Treatment room, boiler room port side, and boiler room starboard side.
2. Carry out regulatory inspection and service on MINIMAX CO2 systems installed in fuel counter and bunkering filter space, Paint Store Deck 7, Paint store deck 3, Galley Duct port aft galley deck 7, and Grill Station duct on deck 7.
3. Carry out regulatory inspection and service on KIDDE WHDR 260 Galley Fire Suppression System.
4. Carry out regulatory inspection and service on MARIOFF Hi FOG system.
5. Supplier to carry out inspection of portable fire extinguishers, recharge (agent and propellant gas), hydrostatic testing and repairs as required by Transport Canada regulations.

Scope of Work, Deliverables and Acceptance Criteria

1. The following items are to be inspected and/or tested on the MINIMAX Main CO2 System and individual MINIMAX CO2 systems as identified above:
 - Release system and distribution valves secured
 - Contents in cylinders checked by weight/level/ pressure
 - Cylinders to be recharged, hydro-tested, and valves repaired or replaced as necessary
 - Pilot cylinder contents checked

- All cylinder valves visually inspected and repaired/replaced as necessary
 - All cylinder clamps, hoses, and connections checked for tightness
 - Manifold
 - Main valves and distribution valves
 - Time delay devices tested for correct setting
 - Blow through supply lines to confirm free from obstruction
 - Release system
 - Warning alarm
 - All doors, hinges, locks
 - All instruction plates on installation
 - System reconnected, sealed and left in operational order with inspection date and labels attached.
 - System bottles to be hydrostatically tested on a periodic basis.
2. The following items are to be inspected and/or tested on the KIDDE WHDR 260 Galley Fire Suppression System:
- Release Mechanism
 - Pressure gauge and confirmation of correct pressure setting
 - Cartridge weight to be verified
 - Appliances covered with correct nozzles
 - Ensure seal integrity
 - Operation from remote pull stations
 - Cylinder and mounting brackets
 - Fusible link test and replacement
 - Operation of micro-switch
 - Clean nozzles, and ensure proper nozzle covers are in place

- System to be reconnected, sealed and left in operational order with inspection date labels attached.
 - System bottles to be hydrostatically tested on a periodic basis.
3. The following items are to be inspected and/or tested on the MARIOFF Hi Fog Water Mist System:
- Water quality, and verify within limitations
 - Verify number and condition of spare sprinklers and sprinkler keys
 - On the Water tank/Water supply
 - Pump units water filter and by pass valve
 - Water tank condition and wash
 - Water supply system
 - Operation of feed water valve and pump
 - Operation of water tank's upper level switch and solenoid valve
 - Operation of water tank's lower level switch
 - Redundant water supply system and feeding pressure
 - On pump units 1 and 2
 - Check oil quality and level
 - Condition of flexible coupling
 - Lubricate the un-loaders
 - Service the air regulator unit
 - Check compressors feeding pressure, oils, breather and empty condensing water reservoir
 - Check stand by pump and pressure
 - Check flow switch settings
 - Check pressure switch settings
 - Check condition of control cabinet

- Operate pumps manually
 - Operate redundancy motor
 - Check stabilization phase
 - Confirm pump starts from low pressure and water flow
 - Test alarms on the pump unit
 - Test starter cabinet lamps
- On the indications, valves, and sprinklers
 - Check voltage of release and indication panel
 - Test in wet pipe area as per Annex 1 in MARIOFF Service Manual
 - Test in dry pipe area as per Annex 2 in MARIOFF Service Manual
 - Check pressure gauges reading in release and indication panels
 - Test lamps, buzzers, and alarms in the release and indication panels
 - Test sprinklers in the wet pipe area
 - Check spray heads in the dry pipe area
- On PLC and Machinery Control Cabinets
 - Change the feed
 - Battery charger fault alarm
 - Earth fault alarm
 - Test batteries for 30 minutes
- ON NAU units
 - Check condition of gas cylinders, document last pressure test
 - Check gas pressures
 - Check pressure hoses conditions and verify tight connection
 - Operate pressure switch
 - Check and test gas release valves

- Check cylinders are in open position
 - On WAU unit
 - Check condition of water cylinders, document last pressure test
 - Verify cylinders are filled
 - Change water in cylinders
 - Flushing of the system
 - Ensure system is left in standby mode and ready for immediate use once testing and inspections are completed.
4. The following Portable Fire Extinguishers will require annual inspection, recharging and hydro-testing as required:
- 15 lb CO2 quantity 24 pcs
 - 20 lb Dry Powder quantity 145 pcs
 - 30 lb Dry Powder quantity 128 pcs
 - 125 lb Dry Powder quantity 13 pcs

BLUE PUTTEES

The supplier must:

1. Carry out regulatory inspection and service on UNITOR CO2 High Pressure System for Galley Duct.
2. Carry out regulatory inspection and service on KIDDE WHDR 260 Galley Fire Suppression System.
3. Carry out regulatory inspection and service on NOVENCO Local Area and Water Mist Fi-Fi XFLOW System (Two parts to system: Accommodations fully pressurized wet system, Engine Space is a dry system).
4. Supplier to carry out inspection of portable fire extinguishers, recharge (agent and propellant gas), hydrostatic testing and repairs as required by Transport Canada regulations.

Scope of Work, Deliverables and Acceptance Criteria

1. The following items are to be inspected and/or tested on the UNITOR CO2 High Pressure System for Galley Duct:
 - Release System and distribution valves

- Contents in cylinder liquid level verified
 - Cylinder clamps and connections checked for tightness
 - Manifold
 - Warning alarm
 - Distribution lines and nozzles blown through, tested, and visually inspected
 - Doors, hinges, and locks
 - Instruction plates
 - System to be reconnected, sealed and left in operational order with inspection date labels attached
 - System bottles to be hydrostatically tested on a periodic basis.
2. The following items are to be inspected and/or tested on the KIDDE WHDR 260 Galley Fire Suppression System:
- Release Mechanism
 - Pressure gauge and confirmation of correct pressure setting
 - Cartridge weight to be verified
 - Appliances covered with correct nozzles
 - Ensure seal integrity
 - Operation from remote pull stations
 - Cylinder and mounting brackets
 - Fusible link test and replacement
 - Operation of micro-switch
 - Clean nozzles, and ensure proper nozzle covers are in place
 - System to be reconnected, sealed and left in operational order with inspection date labels attached.
 - System bottles to be hydrostatically tested on a periodic basis.

3. The following items are to be inspected and/or tested on the NOVENCO Local Area and Water Mist Fi-Fi System:

- Release system/pumps/controls/service valves to be set in test mode
- Propellant Cylinders weight verified
- Extinguishing foam in dedicated tank to be extracted and sent for analysis
- All cylinders, cylinder valves and clamps visually inspected
- Distribution manifold, valves and components visually inspected
- Control Cabinet and remote panels
- Run pumps (3), verify operating pressure, amperage, fault alarms
- Main release, control cabinet and manual release points function tested
- Automatic detection/release simulated and tested
- Cylinder backup release function verified
- Warning alarms (Audible/visual) to fire hazard tested
- Water strainers/filters inspected and cleaned
- Distribution lines and nozzles blown through and visually inspected
- System drained in the normally dry piped sections
- Nozzles to be pressure tested as per NOVENCO recommendations and DNV requirements
- System bottles to be hydrostatically tested on a periodic basis.
- Engine Space Local protection system to have alarms and releases(auto release by 2 detectors and Valve bypass) tested in the following sections:
 - HFO Purifier Room
 - Main Engine SB
 - Main Engine PS
 - Boiler Room
 - Aux Eng 1+2 Space

- Engine Space Full Protection system to have alarms and releases(foam pump start, valve Bypass) tested in the following sections:
 - Bilge Stbd
 - Bilge port
 - Main Engine Deck 1
 - Main Engine Deck 2
 - Casing
 - Fuel Treatment Room
 - Fuel Pump Room
 - Engine Room Workshop
 - Aux Engine Room
 - Emergency Generator/ UPS Room
 - Engine Room Total Flood
 - Motor Switchboard confirm function of:
 - Power
 - Space heaters
 - Auto to Local function
 - Pumps 1, 2, 3 start, running, and stop functions
 - Confirm setting for pressure switch, tank low level and low pressure alarms
 - Backup Nitrogen release tested
 - Flushing of the system
 - Ensure system is left in standby mode and ready for immediate use once testing and inspections are completed.
4. The following Portable Fire Extinguishers will require annual inspection, recharging and hydro-testing as required:
- 15 lb CO2 quantity 16 pcs

Solicitation No. - N° de l'invitation

MA021-190019

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

MA021-19-0019

Amd. No. - N° de la modif.

File No. - N° du dossier
HAL-9-83172

Buyer ID - Id de l'acheteur

hal219

CCC No./N° CCC - FMS No./N° VME

- 50 lb CO2 quantity 2 pcs
- 30 lb Dry Powder quantity 183 pcs
- 125 lb Dry Powder quantity 12 pcs
- 9L Foam quantity 4