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K1A 0S5

Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Marine Machinery and Services / Machineries et
services maritimes

11 Laurier St. / 11, rue Laurier

Place du Portage III, 8B3

Gatineau

Québec

K1A 0S5

Title - Sujet Centralized Control and Alarm Monitoring Systems (CCAMS) for Mid-Shore Patrol Vessels (MSPV) of CCG	
Solicitation No. - N° de l'invitation F7044-200246/B	Amendment No. - N° modif. 010
Client Reference No. - N° de référence du client F7044-200246	Date 2023-05-18
GETS Reference No. - N° de référence de SEAG PW-\$\$ML-065-29002	
File No. - N° de dossier 065ml.F7044-200246	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2023-06-16 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Manzer, Carson	Buyer Id - Id de l'acheteur 065ml
Telephone No. - N° de téléphone (343) 551-4953 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
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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File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

This amendment 010 to the RFP F7044-200246/B is issued to:

Publish the final version of the Request for Proposal F7044-200246/B which includes all amendments made during the bidding period.

Bidders are required to use this version to respond to the Request for Proposal F7044-200246/B.

End of amendment no. 010 to the RFP F7044-200246/B.

This bid solicitation cancels and supersedes previous bid solicitation number F7044-200246/A dated 2022-07-26 with a closing of 2022-11-18 at 14:00 EST.

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PART 1 - GENERAL INFORMATION

1.1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, 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 Other Requirements: includes specific requirements that must be addressed by Bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes as listed in the Table of Contents.

1.1.1. Technical Documentation Package on a SharePoint

Due to the size of the technical documentation files, the information will be available through a secure SharePoint site.

The Bidder must contact the **Contracting Authority** to request the creation of an account in order to access the secure SharePoint site. For each employee, the Bidder must provide the following information:

1. First and Last Name of the Employee; and
2. Email Address of the Employee.

1.2. Procurement Summary

1. The Canadian Coast Guard has a requirement to replace the existing Centralized Control and Alarm Monitoring System (CCAMS) fitted onboard its nine (9) Canadian Coast Guard Ships (CCGS) Mid Shore Patrol Vessels (MSPV) identified as the Hero Class with new CCAMS approved by American Bureau of Shipping (ABS), one of the Classification Societies recognized by Canada. The MSPV are maintained in Class with ABS.
2. Canada intends to enter into the resulting Contract only with a Bidder that is a CCAMS Alarm Monitoring Original System Designer (AMOSD) Contractor. The CCAMS AMOSD must:
 - (a) Use an open architecture design for both SCADA or DCS software and Programmable Controllers to facilitate ease of integration of the system with third party hardware and systems, and have the capability to do software development and related testing of the complete CCAMS or subassemblies used within the proposed CCAMS. AMOSD identity is evidenced by the name appearing on the purchased system and / or on all accompanying drawing and training documentation;

- (b) Design and integrate with new equipment and existing equipment the complete system and subassemblies used within the proposed CCAMS. The Contractor must retain full system responsibility for all requirements and have sufficient ownership rights in Intellectual Property in and to the CCAMS to grant to Canada and Canada's licensees all the rights required under the resulting Contract to complete the Contract Work and any other work for which the Contract grants Canada a license in and to the purchased goods; and
- (c) All Bidders must submit as part of their response to the Mandatory Technical Criteria, Annex "J", Item 1, a CCAMS certification regarding the Bidder's authority to provide Canada with the Goods and Services, which must be signed by the CCAMS AMOSD Contractor. No Contract will be awarded to a Bidder unless the certification has been provided to Canada. It is in Canada's sole discretion to determine whether all the required information has been provided.

The requirement includes all associated Work and Services described herein including the Statement of Work (SOW) attached as Annex "A".

1.2.1. The initial contract is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS A. Leblanc.

Canada reserves the right to swap the CCGS A. Leblanc by any of the other CCGS Hero Class vessels listed in the Options for additional quantities see section 1.2.2.1 below. There will be no pricing adjustments to the Bidders quoted prices for the selected vessel that will be transferred into the Initial Contract.

1.2.2. Canada will have the right to exercise any of the following options:

1.2.2.1. Options for additional quantities:

The order in which the vessels are listed below must not be considered as the order that Canada will exercise the Options for additional quantities. The chronological numbering of the Options with the proper CCGS Hero Class vessel will be updated through a Contract Amendment to reflect the new sequence. There will be no pricing adjustments to the Bidders quoted prices for the selected vessel.

The contract will include the following options for additional quantities:

- I. A first (1st) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2nd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3rd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Captain Goddard M.S.M.;
- V. A fifth (5th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Corporal Teather; and

VIII. A eighth (8th) option is for the procurement of one (1) new CCAMS to replace the Existing stripped out CCAMS for the CCGS Corporal McLaren M.M.V.

1.2.2.2. Options for additional periods

The initial contract period will have a duration of one (1) year. Each year, Canada reserves the right to extend the contract duration by one (1) additional year. All prices of non-exercised option(s) will then be subject to an Economic Price Adjustment (EPA).

1.2.3. All options will be exercised through contract amendments.

1.2.4. Canadian Coast Guard Base of each vessel

Vessel Name	CCG Region	Canadian Coast Guard Base
CCGS A. Leblanc	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS Constable Carrière	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS Caporal Kaebler V.C.	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS M. Charles M.B.	Western	9860 West Saanich Road Sidney, BC Canada V8L 4B2
CCGS Captain Goddard M.S.M.	Western	9860 West Saanich Road Sidney, BC Canada V8L 4B2
CCGS Private Robertson V.C.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS G. Peddle S.C.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS Corporal Teather C.V.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS Corporal McLaren M.M.V.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2

1.2.5. Points of Deliveries and Sites of Integrations and Installations

For the initial contract and the options one (1) to seven (7), the CCAMS components and equipment point of delivery and integrations and installations of the CCAMS will be at the CCG base IAW Part 7, Contract Section 3.4.

For option eight (8), the CCAMS components and equipment point of delivery will be at the CCG base IAW Part 7, Contract Section 3.4 and integrations of the CCAMS will be at a ship refit contractor (shipyard) to be determined.

1.2.6. Care and custody of each vessel

The care and custody of the vessels for the initial contract and from option one (1) to seven (7) will remain with Canada IAW Supplemental General Conditions 1029 (2018-12-06) article 8.

The care and custody of the vessel for the option eight (8) will be transferred from Canada to a shipyard IAW Supplemental General Conditions 1029 (2018-12-06) article 9. The Contractor must communicate and coordinate with the shipyard to ensure that they adhere to the shipyard's rules and regulations with regards to the care and custody of the vessel.

At all times, the Contractor must at all time adhere to the rules and regulations concerning the vessel care and custody.

1.3. Remote Online and Phone Call Services

The Contractor must have a remote technical support phone number and the required infrastructure in Canada, that must provide as a minimum, for the CCAMS, a 24 hours a day seven (7) days a week with minimum twelve (12) hour response time provided by CCAMS trained Technical Support technicians. The technicians must be able to provide diagnostic troubleshooting, operation and maintenance services.

1.4. Procurement Additional Information

- 1.4.1.** This procurement also includes the Engineering Changes (EC) required for the CCAMS and for the vessels' Integrations and Installations, the development of the designs, specifications and drawings packages required for the Existing CCAMS Strip-out, the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations, the Existing CCAMS Strip-out and the implementations of the Vessels' Modifications, the CCAMS Vessels' Integrations and Installations and the CCAMS Commissioning.
- 1.4.2.** The exercisable Eighth (8th) Option – CCGS Corporal McLaren M.M.V. will not include the Strip-Out of the existing CCAMS.
- 1.4.3.** All aspects of the entire Existing CCAMS Replacement Project (the Project) are subject to and must comply with the applicable ABS rules and regulations and must also comply with applicable Transport Canada Marine Safety Regulation.
- 1.4.4.** The nine (9) CCAMS must be of the same make and model and be identical with regards to their design, manufacturing, components, equipment and layout, and have identical configuration with regards to their onboard locations.
- 1.4.5.** The CCAMS AMOSD (the Contractor) must retain the Total System Responsibility for the Design and Software Development of the CCAMS with their related main and auxiliary components and equipment, the development of designs, specifications and drawings packages required for the Existing CCAMS Strip-out, the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations. The Contractor must also retain the Total System Responsibility for the Strip-out of the Existing CCAMS with all of their related component and equipment, the implementation of the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations, the CCAMS Set to Work, Tests, Trials and Commissioning. Therefore, the Contractor will have the entire responsibility to provide all required personnel, equipment, production and professional services required to meet all requirements of the contract.

All necessary surveys, inspections, assessments, calculations, designs, drawings, certifications, approvals required to develop the CCAMS Engineering Changes (EC) for the Vessels'

Modifications, the CCAMS Vessels' Integrations and Installations, must be done by a certified Professional Electrical Engineer employed or subcontracted by the Contractor and approved by Canada under this Contract.

- 1.4.6.** The Existing CCAMS Strip-out and the implementation of the Vessels' modifications with the CCAMS's Integrations and Installations and the CCAMS Set to Work, Tests, Trials and Commissioning will have to be done by the Contractor and/or an experienced Integrator/Installer subcontracted by the Contractor and approved by Canada under this Contract.
- 1.4.7.** The Existing CCAMS must be replaced by a CCAMS that comply with the applicable ABS rules and regulations. Therefore all main and auxiliary components and equipment of the CCAMS that are subject to the ABS rules and regulations must be designed manufactured and tested in accordance with (IAW) the applicable ABS rules and regulations.

The Contractor must develop and implement IAW the applicable ABS rules and regulations, the following activities without being limited to:

- the Design, Engineering Development and Implementation of the Vessels' Modifications, Integrations and Installations specifications and drawings;
 - the Existing CCAMS Strip-out with all related components and equipment;
 - the CCAMS Integrations to the Vessels;
 - the Vessels' Modifications;"
 - the CCAMS complete Installations onboard the Vessels; and
 - the CCAMS Set to Work, Tests, Trials and Commissioning.
- 1.4.8.** The Federal Contractors Program (FCP) for employment equity applies to this procurement; see Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the Annex "L" Federal Contractors Program for Employment Equity - Certification.
- 1.4.9.** This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

1.5. Delivery Schedules

The following delivery schedules takes into account that Canada may exercise the following options of quantity:

- I. A first (1st) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2nd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3rd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Captain Goddard M.S.M.;
- V. A fifth (5th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;

- VI. A sixth (6th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Corporal Teather C.V.; and
- VIII. A eighth (8th) option is for the procurement of one (1) new CCAMS to replace the Existing stripped out CCAMS for the CCGS Corporal McLaren M.M.V.

The Bidder must complete the Annex "C" Delivery Schedules to meet the requirements contained herein. In the event that a Calendar day lands on a non-working day, the delivery shall be the next working day. Canada requires that the following deliverables be ready for acceptance, that is, complete in all respects and with all testing successfully completed, when applicable, this in accordance with the contract, no later than:

1.5.1. INITIAL CONTRACT - DELIVERY SCHEDULE FOR CCGS A. Leblanc

INITIAL CONTRACT CCAMS REPLACEMENT FOR CCGS A. Leblanc		
Item #	Description	Calendar Days (CD) after Contract Award (CA)
C1	CONTRACT AWARD MEETING (if required)	5
1	DESIGN PHASE, VESSEL SITE VISIT	10
2	CONTRACTOR'S KICK-OFF MEETING	10
3	BDR SUBMISSION TO ABS	10
4	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	40
5	PRELIMINARY DESIGN REVIEW (PDR) MEETING	99
6	CRITICAL DESIGN REVIEW (CDR) MEETING	135
7	FAT OF THE CCAMS – AT FACTORY	182
8	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	189
9	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	199
10	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	199
11	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	204

12	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	234
13	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	239
14	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	249
15	FINAL WORK ACCEPTANCE OF THE CCAMS	254

1.5.2. 1ST OPTION - DELIVERY SCHEDULE FOR CCGS Constable Carrière

1 ST OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Constable Carrière		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
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065ml
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	CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.3. 2nd OPTION - DELIVERY SCHEDULE FOR CCGS Caporal Kaeble V.C.

2 nd OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Caporal Kaeble V.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
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10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.4. 3rd OPTION - DELIVERY SCHEDULE FOR CCGS M. Charles M.B.

3rd OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS M. Charles M.B.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.5. 4th OPTION - DELIVERY SCHEDULE FOR CCGS Captain Goddard M.S.M.

4th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Captain Goddard M.S.M.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.6. 5th OPTION - DELIVERY SCHEDULE FOR CCGS Private Robertson V.C.

5th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Private Robertson V.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.7. 6th OPTION - DELIVERY SCHEDULE FOR CCGS G. Peddle S.C.

6th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS G. Peddle S.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.8. 7th OPTION - DELIVERY SCHEDULE FOR CCGS Corporal Teather C.V.

7th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal Teather C.V.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	1
1	DESIGN PHASE, VESSEL SITE VISIT	5
2	CONTRACTOR'S KICK-OFF MEETING	5
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	15
4	CRITICAL DESIGN REVIEW (CDR) MEETING	43
5	FAT OF THE CCAMS – AT FACTORY	114
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	121
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	126
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	131
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	156
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	161
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	161
12	FINAL WORK ACCEPTANCE OF THE CCAMS	166

1.5.9. 8th OPTION - DELIVERY SCHEDULE FOR CCGS Corporal McLaren M.M.V.

8th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal McLaren M.M.V.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT AWARD MEETING (if required)	5
1	DESIGN PHASE, VESSEL SITE VISIT	10
2	CONTRACTOR'S KICK-OFF MEETING	10
3	BDR SUBMISSION TO ABS	10
4	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	40
5	PRELIMINARY DESIGN REVIEW (PDR) MEETING	99
6	CRITICAL DESIGN REVIEW (CDR) MEETING	135
7	FAT OF THE CCAMS – AT FACTORY	182
8	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	199
9	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	199
10	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	204
11	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	234
12	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	239
13	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	249
14	FINAL WORK ACCEPTANCE OF THE CCAMS	254

1.6. Forecasted Availability of MSPVs

The delivery schedules in section 1.5 above are based on the forecasted availability of the MSPVs:

- (a) The Contractor shall not be in default if the MSPVs are not made available for the installation of the CCAMS; and
- (b) If at the Contractor's proposed dates, the MSPVs are not made available for the installation of the CCAMS's, Canada shall not be held liable for any delays and costs incurred by the Contractor.

1.7. Compliance with on-site measures, standing orders, policies, and rules

The Contractor must comply and ensure that its employees and subcontractors comply with all security measures, standing orders, policies or other rules in force at the site where the Work is performed.

1.8. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within fifteen (15) working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation 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.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The **2003** (2022-03-29) Standard Instructions - Goods or Services - Competitive Requirements, as amended below, are incorporated by reference into and form part of the bid solicitation.

- Delete in entirety the article 04 (2007-11-30) Definition of Bidder and replace by the following article:

04 Definition of Bidder

"Bidder" means the person or entity submitting a bid to perform a contract for goods, services or both. For the purposes of the Canadian Coast Guard MSPV CCAMS project, Solicitation no. F7044-200246, it is the CCAMS Alarm Monitoring Original System Designer (AMOSD) only and it does not include a joint venture, the parent company, subsidiaries, agents, representatives, distributors, subcontractors, licensees or other affiliates of the Bidder.

- In the article 05 (2018-05-22) Submission of bids, delete in entirety the sub-article 1. and replace by the following sub-article:

1. Canada requires that each bid, at solicitation closing date and time or upon request from the Contracting Authority, be signed by the Bidder.

- In the article 05 (2018-05-22) Submission of bids, delete in entirety the sub-article 4. and replace by the following sub-article:

4. Bids will remain open for acceptance for a period of not less than 90 days from the closing date of the bid solicitation, unless specified otherwise in the bid solicitation. Canada reserves the right to seek an extension of the bid validity period from all responsive bidders in writing, within a minimum of 3 days before the end of the bid validity period. If the extension is accepted by all responsive bidders, Canada will continue with the evaluation of the bids. If the extension is not accepted by all responsive bidders, Canada will, at its sole discretion, either continue with the evaluation of the bids of those who have accepted the extension or cancel the solicitation.

- Delete in entirety the article 08 (2022-03-29) Transmission by facsimile or by Canada Post Corporation's (CPC) Connect Service and replace by the following article:

08 Transmission by CPC Connect

1. Bids transmitted by facsimile, File Transfer Protocol (FTP) website or email other than CPC Connect, will not be accepted.
2. Canada Post Corporation's Connect service
 - a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [Connect service](#) provided by Canada Post Corporation.
 - i. PWGSC, National Capital Region: The only acceptable email address to use with CPC Connect for responses to bid solicitations issued by PWGSC headquarters is: tpsgc.pareceptiondессoumissions-apbidReceiving.pwgsc@tpsgc-pwgsc.gc.ca, or, if applicable, the email address identified in the bid solicitation.
 - ii. PWGSC regional offices: The only acceptable email address to use with CPC Connect for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.
 - b. To submit a bid using CPC Connect service, the Bidder must either:
 - i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for CPC Connect provided by Canada Post Corporation; or
 - ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open a CPC Connect conversation. Requests to open a CPC Connect conversation received after that time may not be answered.
 - c. If the Bidder sends an email requesting CPC Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate a CPC Connect conversation. The CPC Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
 - d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the CPC Connect conversation open until at least 30 business days after the solicitation closing date and time.
 - e. The bid solicitation number should be identified in the CPC Connect message field of all electronic transfers.
 - f. It should be noted that the use of CPC Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the Bid Receiving Unit address specified in the solicitation in order to register for the CPC Connect service.

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- g. For bids transmitted by CPC Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
- i. receipt of a garbled, corrupted or incomplete bid;
 - ii. availability or condition of the CPC Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or,
 - viii. inability to create an electronic conversation through the CPC Connect service.
- h. The Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the CPC Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or the Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.
- i. Bidders must ensure that they are using the correct email address for the Bid Receiving Unit when initiating a conversation in CPC Connect or communicating with the Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the CPC Connect system.
- j. A bid transmitted by CPC Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.

- Delete in entirety the article 17 (2010-01-11) Joint Venture

2.2 Submission of Bids

Bids 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 bid solicitation.

Note: Canada Post Corporation's (CPC) Connect service for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.pareceptiondessomissions-apbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an CPC Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an CPC Connect message if the bidder is using its own licensing agreement for CPC Connect service.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.3 Former Public Servants – Competitive Bid

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 FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder 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 bid 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 Bidder a FPS in receipt of a pension? **Yes** () **No** ()

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

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

By providing this information, Bidders agree that the successful Bidder'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: 2019-01 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** () **No** ()

If so, the Bidder 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; and
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing by email to the Contracting Authority no later than **seven (7) calendar days before the bid closing date** at the following address: carson.manzer@tpsgc-pwgsc.gc.ca. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders 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 the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, 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 Bidders.

2.6 Bidder's Conference

A bidders' conference will be held at the Bedford Institute of Oceanography (BIO) Building, 1 Challenger Dr, Dartmouth, NS on April 13th, 2023, at 0900 ADT in the Louis King Boardroom. The scope of the requirement outlined in the bid solicitation will be reviewed during the conference and questions will be taken into consideration. It is recommended that bidders who intend to submit a bid attend or send a representative.

Bidders are requested to communicate with the Contracting Authority before the conference to confirm attendance. Bidders should provide, in writing, to the Contracting Authority, the names of the person(s)

who will be attending and a list of issues they wish to table at least five (5) working days before the scheduled conference.

Any clarifications or changes to the bid solicitation resulting from the bidders' conference will be included as an amendment to the bid solicitation. Bidders who do not attend will not be precluded from submitting a bid.

2.7 Mandatory Site Visit

It is mandatory that the Bidder visit the vessel. Arrangements have been made for the site visit to be held on April 12th, 2023 at 0900 ADT onboard CCGS Corporal Teather C.V., tied up alongside at the Canadian Coast Guard Base, 1 Challenger Dr, Dartmouth, NS.

Bidders must communicate with the Contracting Authority no later than five (5) working days before the scheduled visit to confirm their attendances and provide the names of the person(s) who will attend. Bidders must also communicate the names of their subcontractors who may visit the vessel as well. The list of the names communicated to the Contracting Authority will be transmitted to the vessel's brow and only listed attendees will be allowed to board the vessel for the mandatory site visit. Bidders must sign the attendance form at the vessel's brow which will confirm their attendance.

The Bidders who do not attend the mandatory site visit will not be given an alternative appointment and their bids will be rejected as non-compliant.

Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation. It is the Bidder's responsibility to ensure that all questions and request for clarification are addressed in accordance with the RFP Part 2 clause 2.4 "Enquiries - Bid Solicitation" in order to ensure their contractual validity.

Bidders should use the following format to identify each attendee:

Name: _____
Title: _____
Organization: _____
BN: _____ (Business Number at CRA)
PBN: _____ (Procurement Business Number)
Address: _____

Telephone: _____
Cellphone: _____
Email address: _____

It is the Bidder's responsibility to ensure that all available, accessible or visible information has been seen, noted and validated. Canada will assume that Bidders are in possession of that information, that they validated it and will not consider any request for adjustment related to that information from the successful Contractor once in contract.

Canada will make non-compliant a proposal that will contain caveat(s) and/or assumption(s) that were not raised by the Bidders during the bidding period and that Canada did review, validate and accept to be part of all Bidders' proposal.

2.8 Bid Challenge and Recourse Mechanisms

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- (a) **Prices must appear in the Financial bid only. No prices must be indicated in any other section of the bid.**
- (b) It is the sole responsibility of Bidder to provide sufficient information to adequately assess its Bid. Where the information is lacking, then Canada will NOT request or allow the subsequent submission of additional information.
- (c) Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The **CPC Connect system** has a limit of 1GB per single message posted and a limit of 20GB per conversation. The epost submittal shall be delivered in PDF format.
- (d) Canada requests that bidders uses a numbering system that corresponds to the bid solicitation.
- (e) Signature of the Bid:
 - 1. Canada requires that each Bid be signed by the Bidder or by an authorized representative of the Bidder. Bid should be properly signed when submitted at bid closing. However, where Canada determines that the Bidder has omitted to sign the Bid as required, Canada will provide the Bidder with 24 hours to submit a proper signature page;
 - 2. In this solicitation, the "Bidder" means the legal entity submitting the Bid in response to the solicitation and does not include the parent, subsidiaries or other affiliates of that legal entity, or its subcontractors; and
 - 3. Bidders can sign their Bids by copying the front page of this solicitation, signing it, and submitting it as part of their Bids or by including a signature page in a prominent location in their Bids.
- (f) Cross-referencing

Each section of the Bidder's Bid should be written to the greatest extent possible on a stand-alone basis so that its content may be evaluated with a minimum of cross-referencing to other sections of the Bid. Cross-referencing within a proposal Section is permitted where its use would conserve space without impairing clarity.
- (g) Except as specifically provided otherwise in this solicitation, Canada will evaluate the Bids on the documentation provided as part of that Bid. References in a proposal to additional information not submitted with the Bid, such as:
 - 1. Web site addresses where additional information can be found;
 - 2. Technical manuals or brochures not submitted with the Bid;
 - or
 - 3. Existing standing offers, supply arrangements or contracts with the Government of Canada.**will not be considered.**

3.2 Canada requests that Bidders provide their bid in separately bound volumes as follows:

Volume I:

- Section I: Technical Bid, in PDF format.

Volume II:

- Section II: Financial Bid, format as per Volume II, Section II below.
- Section III: Certifications, in PDF format.

Volume I:

- Section I: Technical Bid

In their technical bid, Bidders must demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders must demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work and address as a minimum the items listed in paragraph (a) below.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

The Technical Bid must include:

- (a) A detailed Proposal that clearly and extensively demonstrates the Bidder capability and approaches to meet the Requirements of this RFP and at a minimum addresses all items listed in the RFP;
- (b) A duly completed Annex "C" Delivery Schedules;
- (c) A duly completed Annex "H" Statement of Compliance Enforceable During RFP and Resulting Contract;
- (d) A duly completed Annex "J" Mandatory Technical Criteria; and
- (e) A Statement of Compliance to the SOW in a requirement matrix format as per example provided by the Annex "K".

Volume II:

- Section II: Financial Bid

Bidders must submit their financial bid IAW Annex "D" Detailed Prices Breakdown and Annex "I" Financial Bid Presentation and Evaluation Sheet. All prices must be in Canadian dollars, Delivered Duty Paid (DDP) Incoterms 2000 included, if applicable. **The total amount of Applicable Taxes must be shown separately and will not be part of the Financial Evaluation. Applicable Taxes will be applied IAW Part 7 – Resulting Contract Clauses, 7. Invoicing Instructions – Milestone Payment Claim.**

All prices quoted must be inclusive of all Travel and Living expenses.

The Financial Bid must include:

- (a) The full legal name of the Bidder;
- (b) Complete contact information of the company representative responsible for the proposal;
- (c) Duly completed Annex "B", Milestone Payment Schedules in **Excel format**;
- (d) Duly completed Annex "D", Detailed Prices Breakdown in **Excel format**; and
- (e) Duly completed **and signed** Annex "I", Financial Bid Presentation and Evaluation Sheet in **Excel and PDF formats**.

Please note that the Excel format mentioned above will be available on the SharePoint site, COB March 17, 2023.

- Section III: Certifications

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

3.3 Electronic Payment of Invoices - Bid

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

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

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

3.4 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Technical Criteria

IAW Part 3, section 3.2, Volume I, the following Bidder's technical deliverables will be evaluated:

- (a) A detailed Proposal that clearly and extensively demonstrates the Bidder capability and approaches to meet the Requirements of this RFP and at a minimum addresses all items listed in the RFP;
- (b) A duly completed Annex "C" Delivery Schedules;
- (c) A duly completed Annex "H" Statement of Compliance Enforceable During RFP and Resulting Contract;
- (d) A duly completed Annex "J" Mandatory Technical Criteria; and
- (e) A Statement of Compliance to the SOW in a requirement matrix format as per example provided by the Annex "K".

4.1.2 Financial Evaluation

4.1.2.1 Financial Criteria

IAW Part 3, section 3.2, Volume II, the following Bidder's financial deliverables will be evaluated:

- (a) The full legal name of the Bidder;
- (b) Complete contact information of the company representative responsible for the proposal;
- (c) Duly completed Annex "B" Milestone Payment Schedules;
- (d) Duly completed Annex "D" Detailed Prices Breakdown; and
- (e) Duly completed and signed Annex "I" Financial Bid Presentation and Evaluation Sheet.

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, Incoterms 2000 (Delivered Duty Paid - DDP), Canadian customs duties and excise taxes included.

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F7044-200246

Amd. No. - N° de la modif.
010
File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

4.2 Basis of Selection

- 4.2.1 A bid must comply with the requirements of the bid solicitation and meet all the Technical Criteria listed under section 4.1.1.1 above and meet all the Financial Criteria listed under section 4.1.2.1 above to be declared responsive. The responsive bid with the lowest Total Evaluation Price of the Proposal as defined in Annex "I", will be recommended for award of a contract.**

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder 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 (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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010
File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed Annex "L" Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed Annex "L" Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Education and Experience

SACC Manual clause A3010T (2010-08-16), Education and Experience

PART 6 – SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Security Requirements

There is no security requirements related to this contract.

6.2 Insurance Requirements

The Bidder must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Bidder, if awarded a contract as a result of the bid solicitation, can be insured in accordance with the Insurance Requirements specified in Part 7, clause 12.

If the information is not provided in the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

PART 7 - RESULTING CONTRACT CLAUSES

1.1. Statement of Work

1. The Canadian Coast Guard has a requirement to replace the existing Centralized Control and Alarm Monitoring System (CCAMS) fitted onboard its nine (9) Canadian Coast Guard Ships (CCGS) Mid Shore Patrol Vessels (MSPV) identified as the Hero Class with new CCAMS approved by American Bureau of Shipping (ABS), one of the Classification Societies recognized by Canada. The MSPV are maintained in Class with the ABS.
2. The CCAMS Alarm Monitoring Original System Designer (AMOSD) Contractor must:
 - (a) Use an open architecture design for both SCADA or DCS software and Programmable Controllers to facilitate ease of integration of the system with third party hardware and systems, and have the capability to do software development and related testing of the complete CCAMS or subassemblies used within the proposed CCAMS. AMOSD identity is evidenced by the name appearing on the purchased system and / or on all accompanying drawing and training documentation; and
 - (b) Design and integrate with new equipment and existing equipment the complete system and subassemblies used within the proposed CCAMS. The Contractor must retain full system responsibility for all requirements and have sufficient ownership rights in Intellectual Property in and to the CCAMS to grant to Canada and Canada's licensees all the rights required under the resulting Contract to complete the Contract Work and any other work for which the Contract grants Canada a license in and to the purchased goods.

The requirement includes all associated Work and Services described herein including the Statement of Work (SOW) attached as Annex "A".

- 1.1.1.** The initial contract is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS A. Leblanc.

Canada reserves the right to swap the CCGS A. Leblanc by any of the other CCGS Hero Class vessels listed in the Options for additional quantities see section 1.1.2.1 below. There will be no pricing adjustments to the Bidders quoted prices for the selected vessel that will be transferred into the Initial Contract.

- 1.1.2.** Canada has the right to exercise any of the following options:

- 1.1.2.1.** Options for additional quantities:

The order in which the vessels are listed below must not be considered as the order that Canada will exercise the Options for additional quantities. The chronological numbering of the Options with the proper CCGS Hero Class vessel will be updated through a Contract Amendment to reflect the new sequence. There will be no pricing adjustments to the Bidders quoted prices for the selected vessel.

The contract includes the following options for additional quantities:

- I. A first (1st) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2nd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;

- III. A third (3rd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Captain Goddard M.S.M.;
- V. A fifth (5th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Corporal Teather C.V.; and
- VIII. A eighth (8th) option is for the procurement of one (1) new CCAMS to replace the Existing stripped out CCAMS for the CCGS Corporal McLaren M.M.V.

1.1.2.2. Options for additional periods:

The initial contract period has a duration of one (1) year. Each year, Canada reserves the right to extend the contract duration by one (1) additional year. All prices of each additional year will be subject to an Economic Price Adjustment (EPA).

1.1.3. All options will be exercised through contract amendments.

1.1.4. Canadian Coast Guard Base of each vessel

Vessel Name	CCG Region	Canadian Coast Guard Base
CCGS A. Leblanc	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS Constable Carrière	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS Caporal Kaebler V.C.	Central & Arctic	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
CCGS M. Charles M.B.	Western	9860 West Saanich Road Sidney, BC Canada V8L 4B2
CCGS Captain Goddard M.S.M.	Western	9860 West Saanich Road Sidney, BC Canada V8L 4B2
CCGS Private Robertson V.C.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS G. Peddle S.C.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS Corporal Teather C.V.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
CCGS Corporal McLaren M.M.V.	Atlantic	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2

1.2. Remote Online and Phone Call Services

The Contractor must have a remote technical support phone number and must provide as a minimum, for the CCAMS, a 24 hours a day seven (7) days a week with a minimum of twelve (12) hour response time provided by CCAMS trained Technical Support technicians. The technicians must be able to provide diagnostic troubleshooting, operation and maintenance services.

1.3. Procurement Additional Information

1.3.1. This procurement also includes the Engineering Changes (EC) required for the CCAMS and for the vessels' Integrations and Installations, the development of the designs, specifications and drawings packages required for the Existing CCAMS Strip-out, the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations, the Existing CCAMS Strip-out and the implementations of the Vessels' Modifications, the CCAMS Vessels' Integrations and Installations and the CCAMS Commissioning.

1.3.2. The exercisable Eighth (8th) Option – CCGS Corporal McLaren M.M.V. will not include the Strip-Out requirement.

1.3.3. All aspects of the entire Existing CCAMS Replacement Project (the Project) are subject to and must comply with the applicable ABS rules and regulations and Transport Canada, Marine Safety for compliance with the applicable Transport Canada Marine Safety Regulations.

1.3.4. The nine (9) CCAMS must be of the same make and model and be identical with regards to their design, manufacturing, components, equipment and layout, and have identical configuration with regards to their onboard locations.

1.3.5. The CCAMS AMOSD Contractor must retain the Total System Responsibility for the Design and Software Development of the CCAMS with their related main and auxiliary components and equipment, the development of designs, specifications and drawings packages required for the Existing CCAMS Strip-out, the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations. The Contractor must also retain the Total System Responsibility for the Strip-out of the Existing CCAMS with all of their related component and equipment, the implementation of the Vessels' Modifications and the CCAMS Vessels' Integrations and Installations, the CCAMS Set to Work, Tests, Trials and Commissioning. Therefore, the Contractor will have the entire responsibility to provide all required personnel, equipment, production and professional services required to meet all requirements of the contract.

All necessary surveys, inspections, assessments, calculations, designs, drawings, certifications, approvals required to develop the CCAMS Engineering Changes (EC) for the Vessels' Modifications, the CCAMS Vessels' Integrations and Installations, must be done by a certified Professional Electrical Engineer employed or subcontracted by the Contractor and approved by Canada under this Contract.

1.3.6. The Existing CCAMS Strip-out and the implementation of the Vessels' modifications with the CCAMS's Integrations and Installations and the CCAMS Set to Work, Tests, Trials and Commissioning will have to be done by the Contractor and/or an experienced Integrator/Installer subcontracted by the Contractor and approved by Canada under this Contract.

- 1.3.7.** All Existing CCAMS must be replaced by CCAMS that comply with the applicable ABS rules and regulations. Therefore all main and auxiliary components and equipment of the CCAMS that are subject to the ABS rules and regulations must be designed manufactured and tested in accordance with (IAW) the applicable ABS rules and regulations.

The Contractor must develop and implement IAW the applicable ABS rules and regulations, the following activities without being limited to:

- the Design, Engineering Development and Implementation of the Vessels' Modifications, Integrations and Installations specifications and drawings;
- the Existing CCAMS Strip-out, except for the CCGS Corporal McLaren M.M.V., with all related components and equipment;
- the CCAMS Integrations to the Vessels;
- the Vessels' Modifications;
- the CCAMS complete Installations onboard the Vessels; and
- the CCAMS Set to Work, Tests, Trials and Commissioning.

1.4. Delivery Schedules

The Annex "C" Delivery Schedules takes into account that Canada may exercise the following options of quantity:

- I. A first (1st) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2nd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaebler V.C.;
- III. A third (3rd) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Captain Goddard M.S.M.;
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- VII. A seventh (7th) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Corporal Teather C.V.; and
- VIII. A eighth (8th) option is for the procurement of one (1) new CCAMS to replace the Existing stripped out CCAMS for the CCGS Corporal McLaren M.M.V.

In the event that a Calendar day lands on a non-working day, the delivery shall be the next working day. Canada requires that all deliverables be ready for acceptance, that is, complete in all respects and with all testing successfully completed, when applicable, this in accordance with the contract and no later than the periods indicated in the Annex "C".

1.5. Conduct of the Work

1. This section applies despite any other provision of the Contract and adds to the section of the general conditions entitled "Conduct of the Work".
2. The care and custody of the vessels for the initial contract and from option one (1) to seven (7) will remain with Canada IAW Supplemental General Conditions 1029 (2018-12-06) article 8.
3. The care and custody of the vessel for the option eight (8) will be transferred from Canada to a shipyard IAW Supplemental General Conditions 1029 (2018-12-06) article 9. The Contractor must communicate and coordinate with the shipyard to ensure that they adhere to the shipyard's rules and regulations with regards to the care and custody of the vessel.
4. At all times, the Contractor must at all time adhere to the rules and regulations concerning the vessel care and custody.
5. The Contractor represents and warrants that it has the experience, qualifications, personnel, equipment, facilities and all other resources to perform the Work.
6. In the performance of the Work, the Contractor shall supply, other than Government Supplied Material (GSM), all the resources, facilities, labour, management, services, equipment, materials, drawings, tools technical data, technical assistance, engineering services and planning necessary to complete the Work.
7. The Contractor agrees to:
 - (a) commence and carry out the Work promptly and diligently and upon the terms and conditions and in the manner contemplated by this Contract;
 - (b) carry out the Work IAW good, modern shipbuilding practices;
 - (c) provide efficient and effective supervision and inspection of the carrying out of the Work; and
 - (d) provide material and workmanship of the highest quality commensurate with the nature of the work and take all such steps as are necessary to ensure that the Work is completed according to the Contract.
8. No material or parts shall be used or processed and no finished Work shall be submitted for acceptance or delivery unless approved by the Technical Authority. The Contractor shall complete the Work to the satisfaction of Technical Authority and fully in accordance with the Contract and deliver all of the Work as required by the Contract.
9. The Contractor shall submit for examination by the Technical Authority any designs, drawings, models, completed or under preparation by it or its behalf in connection with the Work at any time.
10. The Contractor shall provide such reports on the performance of the Work as are required by the Contract and such other reports as may be reasonably required by the Contracting Authority and the Technical Authority.
11. The Contractor shall provide the services required under the Contract. In case of failure by the Contractor to provide any of the described services in the Contract, Canada may suspend payment until such failure has been corrected to the satisfaction of Canada.

1.6. Design Reviews

1. The System Requirements Review and the Design Reviews, Preliminary and Critical, shall be completed and design packages deliverables submitted in accordance with the SOW.
2. The Contractor shall submit the design packages deliverables for each of the Design Reviews.
3. Where Canada alleges and the Contractor agrees that the design is defective or deficient, the Contractor shall correct the design at no additional cost to Canada.
4. Where the Contracting Authority and the Contractor's representative are unable to resolve the design defect or deficiency, they agree to follow the prescriptions of the Contract Dispute Resolution clause.

1.7. Production Schedule

1. The Production Schedule shall be developed in order to meet the various delivery requirements IAW the Annex "C" Delivery Schedules of the Contract.
2. The Contractor is responsible for planning and scheduling the Work required herein. The Production Schedule shall be updated on a continuous basis.

1.8. Drawings during Design, Manufacturing, Integration and Installation Phase

1. All drawings shall be submitted to the Technical Authority for examination.
2. The review of the Contractor's drawings by Canada shall not relieve him of its contractual responsibility and the same applies to the subcontracts issued by the Contractor to the subcontractor.

In particular, examination or approval of drawings shall not:

- (a) Relieve the Contractor of its obligation to ensure that all details are correct;
 - (b) Obligate Canada to accept an item that does not meet the Contract requirements;
 - (c) Confirm that an item complies with the Contract requirements; and
 - (d) Relieve the Contractor of the responsibility for any omissions and the consequences resulting thereof.
3. Any drawings which are supplied to the Contractor by or on behalf of Canada are for such purpose as the Contractor may wish to use them but are not evidence of any interpretation to be given to the Contract requirements. Any such use by the Contractor shall not relieve the Contractor of any responsibility under this Contract. The Contractor shall indemnify and save harmless Canada from any claims, actions, suits or proceedings based upon the use by the Contractor of such drawings.

1.9. Additional / Unscheduled Work including Design Change

1. The Contractor hereby acknowledges that Canada may require the Contractor to perform Additional / Unscheduled Work at any time and from time to time, during this Contract. The Additional / Unscheduled Work could include but not be limited to:
 - (a) Additions or variations to the Work including Design Changes; and
 - (b) Dispensing with or change to any portion of the Work.
2. Any Additional / Unscheduled Work will be processed according to the Annex "E", Procedure for Processing Additional / Unscheduled Work.
3. The Contractor shall perform the Additional / Unscheduled Work under the same terms and conditions of the Contract. The Additional / Unscheduled Work will be negotiated using the Unscheduled Work labor rates and mark-ups provided by the Contract.
4. The Contractor may request a change to the Work for Canada's consideration by submission of a request for change proposal to the Contracting Authority.
5. Request for extensions in the delivery date as a result of the Additional / Unscheduled Work must be presented at the time of the proposal otherwise extensions to the delivery date will not be considered.
6. No cost, Additional / Unscheduled Work; Notwithstanding the foregoing, should Canada deem it advisable to make any reasonable change in the Work during the course of the Work, provided the change is ordered before that particular part of the Work to which Canada refers is commenced and involves no extra cost to the Contractor, such changes shall be made by the Contractor without extra cost to Canada.

1.10. Inspection and Non-Conformance

1. This section applies despite any other provision of the Contract and adds to the section of the general conditions entitled " Inspection and Acceptance of the Work ".
2. All reports, deliverables, documents, goods and all services rendered under this Contract shall be subject to inspection by the Technical Authority. Should any report, document, good or service not be in accordance with the requirements of the Contract, the Technical Authority shall have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment. Any communication with a Contractor regarding the quality of Work performed pursuant to this Contract shall be undertaken by official correspondence through the Contracting Authority.
3. The Contractor shall be responsible for properly setting up, preparing, providing access to and presenting Work for inspection and for giving adequate notice to the Technical Authority and the Regulatory Body that the Work is complete, and having been pre-tested or inspected, is ready for the inspection.
4. Inspection will be done by the Technical Authority at the most appropriate location:
 - (a) During the CCAMS design and software development and factory acceptance, at Contractor's facilities;

- (b) During the CCAMS acceptance testing, at locations indicated in the SOW; and
 - (c) For most of the Documentation, at Canada's facilities.
5. Inspection requirements shall be in accordance with the provisions of this Contract including 2030 (2021-12-02), General Conditions - Higher Complexity - Goods, and the following procedures:
- (a) Non-conformance Report (NCR): A NCR will be issued for each Non-conformance noted by the Technical Authority. Each report will be uniquely numbered for reference purposes, will be signed and dated by the Technical Authority, and will describe the Non-conformance.

When the Non-conformance has been corrected by the Contractor and has been re-inspected and accepted by the Technical Authority, the Technical Authority will complete the NCR by signing and dating the NCR.
 - (b) Notwithstanding the above including the Inspection by the Technical Authority, the discrepancy notices, the Non-conformance reports, or absences thereof, or corrections thereto, or acceptance thereof, do not relieve the Contractor of its obligations to satisfy the requirements of this Contract. As such, the Contractor shall correct any and all defects or deficiencies discovered at no additional cost to Canada.

1.11. Tests and Demonstrations Acceptance

1. To enable the Technical Authority to certify that the Work has been performed satisfactorily, in accordance with the Contract, the Contractor shall schedule, coordinate, perform, and record all specified Tests and Demonstrations required by the Contract.
2. Where the Contract contains a specific performance requirement for any component, equipment, subsystem or system, the Contractor shall test such component, equipment, subsystem or system to the satisfaction of the Technical Authority and/or ABS, to prove that the specified performance has been achieved and that the component, equipment, subsystem or system performs as required by the Contract and/or ABS.
3. Tests and demonstrations shall be conducted in accordance with a logical, systematic schedule which shall ensure that all associated components and equipment are proven prior to subsystems demonstration or testing, and subsystems are proven prior to system demonstration or testing.
4. Where the Contract does not contain specific performance requirements for any component, equipment, subsystem or system, the Contractor shall demonstrate the performance of such component, equipment, subsystem or system to the satisfaction of the Technical Authority and/or ABS.
5. The Contractor shall keep written records of all tests and demonstrations conducted, including all rejections, comments, or recommendations made at such times. Records shall be in a format, and contain data, such that the Technical Authority and/or ABS can certify compliance of the component, equipment, subsystem, or system with the specified requirements.
6. The Contractor shall in all respects be responsible for the conduct of all tests in accordance with the requirements of this Contract.

Canada reserves the right to defer starting or, continuing with any tests for any reasonable cause including but not limited to equipment failure or degradation, lack of qualified personnel and inadequate safety standards, this at no extra costs to Canada.

1.12. Final Work Acceptance

1. The Final Work Acceptance (FWA) of each CCAMS will take place no later than 30 calendar days following at the successful completion of their respective Sea Acceptance Trials (SAT).
2. At time of the FWA, **all the Work** must be completed and accepted. Should there be outstanding work at the time of FWA, depending upon the nature of the outstanding work, Canada will decide to either:
 - (a) Remove the outstanding work from the contract with adequate compensation; or
 - (b) Report the FWA and allow the Contractor with additional working time to complete the outstanding work.
3. The FWA must be done using the PWGSC 1205 form "Acceptance-Acceptation" (1205 form) that will be the Final Work Acceptance document. The completion of the outstanding work or its removal from the contract will be done in accordance with the following:
 - (a) The Technical Authority (TA) in conjunction with the Contractor will prepare a list of outstanding work and that list will be annexed to the 1205 form. A FWA meeting will be convened by Canada at the work completion date to review and sign off the FWA document. At the same time Canada will determine how the outstanding work will be addressed;
 - (b) For outstanding work that will not be completed and removed from the contract, adequate compensation will be determined as follow:
 - For any outstanding work that Canada decides that it will not be completed under this contract and for which the Contractor is not responsible for its non-completion, Canada will be credited by the value of the outstanding work; and
 - For any outstanding work that Canada decides that it will not be completed under this contract and for which the Contractor is responsible for its non-completion, Canada will be credited by the **double** of the outstanding work value.
 - (c) The Contracting Authority (CA) will consult with the TA, and the Contractor's Representative to:
 - Decide if the outstanding work will be completed or not under this contract;
 - Extend or not the work period for outstanding work completion;
 - Determine the liability of a work period extension;
 - Determine the liability for the non-completion of outstanding work; and
 - Determine the value of any outstanding work to be credited against the contract.
 - (d) The CA will amend the contract to reflect all decisions made in relation to the FWA;

- (e) All decisions made by the CA will have to be substantiated and transmitted to the TA and to the Contractor's Representative. Decisions made by the CA are final and any challenge against them will have to be addressed IAW the contract Dispute Resolution section 14; and
- (f) The FWA document will be completed by the TA and the original with 2 signed copies will be distributed by the TA as follow:
 - Original to the Contracting Authority;
 - One copy to the Technical Authority; and
 - One copy to the Contractor.

1.13. Omission of Software and Related Licenses

The review of the Contractor's proposed solution by Canada shall not relieve him of its contractual responsibility and the same applies to the subcontracts issued by the Contractor to the subcontractor. The Contractor and its subcontractor(s) must provide all software and related licensing agreement that are required to meet the SOW requirement. The Contractor is responsible for any omissions.

2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract 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.

2.1. General Conditions

2030 (2022-12-01) General Conditions - Higher Complexity - Goods, as amended below, apply to and form part of the Contract.

The article 2030 06 (2013-06-27) Subcontracts, is amended as follow:

Delete in entirety the article 2030 06 (2013-06-27) Subcontracts and replace by the following article;

2030 06 Subcontracts

1. The Contractor must obtain the Contracting Authority's written consent before subcontracting or permitting the subcontracting of any part of the Work other than the Work specifically authorized to be subcontracted in the Contract. A subcontract includes a contract entered into by any subcontractor at any tier to perform any part of the Work. The Contractor must re-qualify Subcontractor(s) in accordance with clause 8.3 – Pre-qualified Contractor and Subcontractors Personnel and Subcontractor(s).
2. The Contractor is not required to obtain from the Contracting Authority written consent to purchase "off-the-shelf" items and any standard articles and materials that are ordinarily produced by manufacturers in the normal course of business.
3. In all subcontracts, the Contractor must, unless the Contracting Authority agrees in writing, ensure that the subcontractors are bound by conditions compatible with and, in the opinion of the Contracting Authority, not less favourable to Canada than the conditions of the Contract, with the exception of requirements under the Federal Contractors Program for employment equity which only apply to the Contractor. For the purpose of the Canadian Coast Guard MSPV

CCAMS Replacement Contract (F7044-200246/001/ML), the conditions compatible with and, in the opinion of the Contracting Authority, not less favourable to Canada than the conditions of the Contract, are the entire Contract's Conditions.

4. Even if Canada consents to a subcontract, the Contractor is responsible for performing the Contract and Canada is not responsible to any subcontractor. The Contractor is responsible for any matters or things done or provided by any subcontractor under the Contract and for paying any subcontractors for any part of the Work they perform.

The article 2030 22 (2014-09-25) Warranty, is amended as follow:

At the end of the paragraph 1, add the following sentences:

"For the purpose of the Warranty **only** of each CCAMS, the Final Work Acceptance will take place IAW the Contract section 1.12, sub-sections 1 to 3."

AND

1031-2 (2012-07-16) Contracting Cost Principles, apply to and form part of the Contract.

2.2. Supplemental General Conditions

- 2.2.1.** 4006 (2010-08-16) Contractor to Own Intellectual Property Rights in Foreground Information, as amended below, apply to and form part of the Contract.

The article 4006 01 (2008-05-12) Interpretation, is amended as follow to insert sub article 6:

All deliverables under contract F7044-200246/001/ML including and without being limited to hard copies, soft copies of any documents or components or equipment where a reference to IP rights are made must have the following disclaimer stamped/incorporated to it:

"This is a deliverable under contract F7044-200246/001/ML, all IP rights derived from this contract, including licences granted to Canada must be governed in accordance with section 2.2 "Supplemental General Conditions" 4006 (2010-08-16) of the contract."

- 2.2.2.** 4002 (2010-08-16) Software Development or Modification Services, as amended below, apply to and form part of the Contract.

The article 4002 12 (2008-05-12) Warranty sub article 1, is amended as follow:

"Delete in entirety the article 4002 12 (2008-05-12) Warranty sub article 1 and replace by the following sub article 1"

In this sub article, "Warranty Period" means a period of twelve (12) months for each CCAMS commencing on the date of Final Work Acceptance by Canada, with the exception only of warranty work.

2.2.3. 4003 (2010-08-16) Licensed Software, as amended below, apply to and form part of the Contract.

"Delete in entirety the article 4003 14 (2008-05-12) Enhancements and Improvements and replace by the following"

The Contractor agrees to provide Canada with all improvements, updates, upgrades and enhancements to the Licensed Software for twelve (12) months for each CCAMS commencing on the date of Final Work Acceptance by Canada.

The Contractor agrees to provide Canada with all improvements, updates, upgrades and enhancements to the Licensed Software to address security vulnerabilities in perpetuity for each CCAMS commencing on the date of Final Work Acceptance by Canada.

"Delete in entirety the article 4003 15 (2008-05-12) Warranty sub article 1 and replace by the following sub article 1"

In this section, unless provided otherwise in the Contract, "Software Warranty Period" means a period of twelve (12) months for each CCAMS commencing on the date of Final Work Acceptance by Canada, with the exception only of warranty work and any other work that is scheduled under the Contract to be performed after the start of the Software Warranty Period.

2.2.4. 4004 (2013-04-25) Maintenance and Support Services for Licensed Software, apply to and form part of the Contract.

2.2.5. 1029 (2018-12-06) Ship Repairs, apply to and form part of the Contract.

3. Term of Contract

3.1. Initial Period of the Contract

The initial contract period starts at contract award and has a duration of one (1) year. At contract Award, Canada is procuring one (1) CCAMS to be fitted onboard the Canadian Coast Guard Ship (CCGS) A. Leblanc.

3.2. Delivery Date

All the deliverables must be received in accordance with Annex "C" Delivery Schedules.

3.3. Option to the Contract

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both under the same conditions and at the prices and rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment. The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

Canada will have the right to exercise one or all of the following options:

3.3.1. The first (1st) option is for additional quantities of CCAMS on a per vessel basis

As per Table below, Canada reserve the right to exercise the following options:

OPTIONS		
OPTION #	CCGS	QTY OF CCAMS
1A	Constable Carrière	1
2A	Caporal Kaebler V.C.	1
3A	M. Charles M.B.	1
4A	Captain Goddard M.S.M.	1
5A	Private Robertson V.C.	1
6A	G. Peddle S.C.	1
7A	Corporal Teather C.V.	1
8A	Corporal McLaren M.M.V.	1

3.3.2. The second (2nd) option is for Remote Online and Phone Call Services on a per vessel basis

Following the Final Work Acceptance of each vessel, the Contractor grants to Canada the irrevocable option to add Remote Online and Phone Call Services for up to nine (9) MSPV and each option has a duration of one (1) year.

As per Table below, Canada reserve the right to exercise the following options:

OPTIONS	
OPTION #	CCGS
1B	A Leblanc
2B	Constable Carrière
3B	Caporal Kaebler V.C.
4B	M. Charles M.B.
5B	Captain Goddard M.S.M.
6B	Private Robertson V.C.
7B	G. Peddle S.C.
8B	Corporal Teather C.V.
9B	Corporal McLaren M.M.V.

3.3.3. The third (3rd) option is an option for additional periods on a per vessel basis

3.3.3.1. The initial contract period has a duration of one (1) year. Each year, the Contractor grants Canada the right to extend the contract duration by one (1) additional year, this until all options for additional quantities, section 3.3.1, are exercised or until Canada intends to keep options valid.

3.3.3.2. The remote online and call services for each MSPV, as per section 3.3.2 above, will have a duration of one (1) year. The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to ten (10) one (1) year period and for a maximum of eleven (11) years after initial Contract award, under the same conditions.

3.3.4. The fourth (4th) option is an option for additional Cadre trainings

3.3.4.1. Shipboard Cadre training course

With this option, Canada reserves the right to add additional Cadre Shipboard training sessions in order to address future requirements concerning additional crew members and/or technical staff.

3.3.4.2. Classroom Cadre training course

With this option, Canada reserves the right to add additional Cadre Classroom training sessions in order to address future requirements concerning additional crew members and/or technical staff.

3.4. Delivery Points

Each CCAMS must be consigned and delivered to the destination specified in the following table:

CCGS	CCG Base
Initial Contract	
A. Leblanc	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
Options	
Constable Carrière	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
Caporal Kaebler V.C.	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
M. Charles M.B.	9860 West Saanich Road Sidney, BC Canada V8L 4B2
Captain Goddard M.S.M.	9860 West Saanich Road Sidney, BC Canada V8L 4B2
Private Robertson V.C.	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
G. Peddle S.C.	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2
Corporal Teather C.V.	1 Challenger Dr Dartmouth, NS Canada B2Y 4A2

Solicitation No. - N° de l'invitation
F7044-200246/B
Client Ref. No. - N° de réf. du client
F7044-200246

Amd. No. - N° de la modif.
010
File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

Corporal McLaren M.M.V.

1 Challenger Dr
Dartmouth, NS Canada
B2Y 4A2

The order in which the vessels are listed in the previous table must not be precluded as the order that Canada will request deliveries if the options are exercised.

4. Authorities

4.1. Contracting Authority

The Contracting Authority for the Contract is:

Name: Carson Manzer
Title: Supply Specialist

Public Works and Government Services Canada
Defence and Marine Procurement Branch
Refit Logistics and Small Vessel Construction Directorate
Machinery and Logistics Support Division

11 Laurier Street
Place du Portage III, 6A2
Gatineau, QC
K1A 0S5

Telephone: 343-551-4953
E-mail address: Carson.manzer@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

4.2. Technical Authority

The Technical Authority for the Contract is:

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

Telephone: _____
E-mail address: _____

(The Contracting Authority will insert the Technical Authority information's at the contract award.)

In this contract, the Technical Authority or its delegated representative is also the **Inspection Authority (TA/IA)**.

The Technical Authority or its delegated representative is also responsible for the inspection of the Work and the Final Work Acceptance (FWA). The Technical Authority may be represented on-site by a designated inspector and any other Government of Canada inspector who may from time to time be assigned in support of the Technical Authority.

The Technical Authority or its delegated representative is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority **however, the Technical Authority has no authority to authorize changes to the scope of the Work.** Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

4.3. Contractor's Representative

Name: _____
Title: _____
Organization: _____
BN: _____ (Business Number at CRA)
PBN: _____ (Procurement Business Number)
Address: _____
Telephone: _____
Mobile: _____
E-mail address: _____

(The Contracting Authority will insert the Contractor's Representative information as specified by the Bidder in its bid.)

4.4. Contractor's Quality Assurance (QA) Representative

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

(The Contracting Authority will insert the Contractor's QA Representative information as specified by the Bidder in its bid.)

5. 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: 2019-01 of the Treasury Board Secretariat of Canada.

OR

Not Applicable.

6. Payment

6.1. Basis of Payment – Firm Prices and Rates

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm prices and rates, as indicated in Annex "B" Milestone Payment Schedules, Incoterms 2000 "Delivered Duty Paid" (DDP) to destinations, Canadian customs duties and excise taxes included and Applicable Taxes are extra.

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

All project management fees and Travel and Living expenses shall be included into each item listed in the Milestone Payment Schedules at Annex "B".

6.2. Economic Price Adjustment (EPA)

- 6.2.1.** For Section 3.3.3.1 above and related Annex "B" Milestone Payment Schedules, Sections 1 and 2, and related Annex "D" Detail Price Breakdown, at the beginning of each Contract year, on the anniversary of the Contract effective date, all prices and rates indicated will be subject to an **Economic Price Adjustment (EPA)** and adjusted upward or downward to account for inflation or deflation. The adjusted prices and rates for the coming twelve (12) months period shall be calculated IAW the formula below and they will be firm for the coming twelve (12) months.
- 6.2.2.** For Section 3.3.3.2 above and related Annex "B" Milestone Payment Schedules, Section 3, at the beginning of each year on the anniversary of the Option effective exercising date, all annual fees indicated, will be subject to an **Economic Price Adjustment (EPA)** and adjusted upward or downward to account for inflation or deflation. The adjusted annual fees for the coming twelve (12) months period shall be calculated IAW the formula below and they will be firm for the coming twelve (12) months.

6.2.3. Calculation of the Economic Price Adjustment

6.2.3.1. EPA for Section 6.2.1 above

$$P(x1) = P(o1) \times \text{Index}(x1) / \text{Index}(o1)$$

P(x1) = Firm Prices and rates for the coming twelve (12) months period

P(o1) = Firm Prices and rates of the first (1st) year of contract

Index (x1) = The index used to calculate the EPA will be obtained in the Consumer Price Index, monthly, not seasonally adjusted, Table 18-10-004-001 (formally CANSIM 326-0020), Geography Canada, Products and product groups All-items, published by Statistic Canada. The index to be used shall be the one that is three (3) months prior to the anniversary of the contract.

Index (o1) = The index used to calculate the EPA will be obtained in the Consumer Price Index, monthly, not seasonally adjusted, Table 18-10-004-001 (formally CANSIM 326-0020),

Geography Canada, Products and product groups All-items, published by Statistic Canada. The index to be used shall be the one that is three (3) months prior to the contract award date.

6.2.3.2. EPA for Section 6.2.2 above

$$P(x2) = P(o2) \times \text{Index}(x2) / \text{Index}(o2)$$

P(x2) = Firm Annual fee for the coming twelve (12) months period

P(o2) = Firm Annual fee proposed at Bid Closing

Index (x2) = The index used to calculate the EPA will be obtained in the Consumer Price Index, monthly, not seasonally adjusted, Table 18-10-004-001 (formally CANSIM 326-0020), Geography Canada, Products and product groups All-items, published by Statistic Canada. The index to be used shall be the one that is three (3) months prior to the anniversary of the Option, this for each vessel.

Index (o2) = The index used to calculate the EPA will be obtained in the Consumer Price Index, monthly, not seasonally adjusted, Table 18-10-004-001 (formally CANSIM 326-0020), Geography Canada, Products and product groups All-items, published by Statistic Canada. The index to be used shall be the one that is three (3) months prior to the Bid Closing date, this for each vessel.

6.3. Basis of Payment – Additional and Unscheduled Work

6.3.1. The A/U Work Hourly Labour Rates for authorized A/U Work including Design Change, Engineering Change or change in the scope of work will be paid in accordance with:

- Annex "B" Milestone Payment Schedules;
- Annex "E" Procedure for Processing A/U Work;
- Contract Cost Principles 1031-2 (2012-07-16) and inclusive of a profit in accordance with Chapter 10 - Cost and Profit of the Supply Manual, Public Works and Government Services Canada (PWGSC); and
- The firm A/U Work labour rates must be a blended rates of all classes of labour required to achieve the Known Work of the Contract and not being part of the Contractor's and/or Contractor's subcontractors overhead costs. The firm A/U Work labour rate must be all inclusive and include, without being limited to, the labourer salary, the fringe benefits, the applicable overhead and the profits.

6.3.2. The Overtime Rate shall be as specified in Annex "B" Milestone Payment Schedules and shall not be paid unless authorized in writing by the Contracting Authority and for authorized A/U Work only and shall be calculated as follows:

- Time and one-half (1½X) – The contractor shall be paid the firm A/U Work labour rate plus half of the A/U Work direct labour rate portion with fringe benefits, overhead and profit applicable to that portion only; and
- The Double Time (2X) - The contractor shall be paid the firm A/U Work labour rate plus the A/U Work direct labour rate portion with fringe benefits, overhead and profit applicable to that portion only.

6.3.3. The Costs related to Material, Subcontracts and Travel & Living for authorized A/U Work including Design Change, Engineering Change or change in the scope of work will be paid in accordance with:

- Annex "E" Procedure for Processing A/U Work;
- The Contractor will be reimbursed for the authorized Unscheduled and Additional Material and Subcontracts costs (other than Subcontract costs where the applicable A/U Work Labour Rates of the Annex "B" applies) reasonably and properly incurred in the performance of the A/U Work, at cost, in accordance with Contract Cost Principles 1031-2.

The following allowance will be paid as follows:

- **Administrative overhead:** ten (10) percent of authorized Material and Subcontracts costs for each Subcontractor and for each Affiliate level; and
- **Profit:** zero (0) percent of authorized Material and Subcontracts costs for each Subcontractor and for each Affiliate level.

All payments are subject to government audit.

- The Contractor will be reimbursed its authorized Travel and Living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, and private vehicle allowances specified in Appendices B, C and D of the National Joint Council Travel Directive, and with the other provisions of the directive referring to "travelers", rather than those referring to "employees". Canada will not pay the Contractor any incidental expense allowance for authorized travel. All travel must have the prior authorization of the Contracting Authority. All payments are subject to government audit.

6.4. Terms of Payment - Milestone Payments

1. For each MSPV CCAMS, Canada will make milestone payments in accordance with Milestone Payment Schedules at Annex "B", detailed in the Contract and the payment provisions of the Contract, up to ninety percent (90%) of the amount claimed and approved by Canada if:
 - (a) an accurate and complete claim for payment using form PWGSC-TPSGC 1111, Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
 - (b) the total amount for all milestone payments paid by Canada does not exceed ninety (90%) percent of the total amount to be paid under the Contract;
 - (c) all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives; and
 - (d) all work associated with the milestone and as applicable any deliverable required have been completed and accepted by Canada.
2. For each MSPV CCAMS, the ten percent (10%) Holdback minus the Warranty Holdback, see section 6.5, will be released IAW the payment provisions of the Contract upon the following:

- (a) The Final Work Acceptance for each MSPV CCAMS in accordance with the section 1.12 occurred;
- (b) Any contract amendment subsequent to the Final Work Acceptance is awarded; and
- (c) A claim for the ten percent (10%) Holdback release has been submitted.

6.5. Warranty Holdback

1. For each MSPV CCAMS, a Warranty Holdback of five (5%) percent of the total price as per last amendment (GST/HST excluded) will be deducted from the ten (10%) percent Holdback release.
2. For each MSPV CCAMS, the Warranty Holdback will be released IAW the payment provisions of the Contract upon the following:
 - i. The Contractor has fulfilled all of its obligations under the Warranty; and
 - ii. A claim for the five (5%) percent Warranty Holdback release has been submitted.

6.6. Discretionary Audit for Additional / Unscheduled Work Only

SACC Manual clause C0100C (2010-01-11), Discretionary Audit - Commercial Goods and/or Services.

6.7. Time Verification for Additional / Unscheduled Work Only

SACC Manual clause C0711C (2008-05-12), Time Verification

6.8. Limitation of Price

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

6.9. Electronic Payment of Invoices – Contract

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

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

(The Contracting Authority will reproduce the information provided by the Contractor in Annex "M" Electronic Payment Instruments of the RFP.)

6.10. Claim Adjustment related to Omission

As per section 1.13, Omission of Software and Related Licenses, if the Contractor was to claim any expenses that are required to meet the SOW requirement, Canada reserves the right to deduct these expenses from any claims from the Contractor that were claimed IAW section 6.4, Terms of Payment - Milestone Payments. Canada reserves the right to request the Contractor to resubmit a revised claim with all necessary modifications.

7. Invoicing Instructions – Milestone Payment Claim

1. The Contractor must submit a claim for payment using form PWGSC-TPSGC 1111, Claim for Progress Payment to claim completed and accepted Milestones.

Each claim must show:

- (a) all information required on form PWGSC-TPSGC 1111;
 - (b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions; and
 - (c) the description and value of the milestone claimed as detailed in the Contract.
2. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
 3. The Contractor must prepare and certify the claim on form PWGSC-TPSGC 1111, and forward it to the Technical Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.

The Technical Authority will then forward the claim to the Contracting Authority for certification and onward submission to the Payment Office for the remaining certification and payment action.

The Contractor must not submit claims until all work identified in the Milestone is completed and accepted by Canada.

8. Certifications and Additional Information

8.1. Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

8.2. Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

8.3. Pre-qualified Contractor and Subcontractors Personnel and Subcontractor(s)

- 1) Following the Contract Award, a list of pre-qualified Contractor and Subcontractors personnel and Subcontractor(s) (if applicable) will be created by the CA.
- 2) If pre-qualified Contractor and Subcontractors personnel and/or Subcontractor(s) are not available or have to be replaced, the Contractor must submit to the CA and TA all necessary documentation in order to demonstrate that the new personnel and/or subcontractor meets the RFP (F7044-200246/B) Mandatory Technical Criteria. If the new personnel and/or Subcontractor meets the RFP (F7044-200246/B) Mandatory Technical Criteria, the name will be added to the pre-qualified Contractor and Subcontractors personnel and Subcontractor(s) list.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (The Contracting Authority will insert the name of the province or territory in Canada as specified by the Bidder in its bid, if applicable.).

10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the supplemental general conditions 4006 (2010-08-16), Contractor to Own Intellectual Property Rights in Foreground Information as amended by this contract;
- (c) the supplemental general conditions 4002 (2010-08-16), Software Development or Modification Services as amended by this contract;
- (d) the supplemental general conditions 4003 (2010-08-16), Licensed Software as amended by this contract;
- (e) the supplemental general conditions 4004 (2013-04-25), Maintenance and Support Services for Licensed Software;
- (f) the supplemental general conditions 1029 (2018-12-06), Ship Repairs;
- (g) the general conditions 2030 (2022-12-01), General Conditions - Higher Complexity – Goods as amended by this contract;
- (h) 1031-2 (2012-07-16), Contract Cost Principles;
- (i) Annex "A", Statement of Work;
- (j) Annex "B", Milestone Payment Schedules;
- (k) Annex "C", Delivery Schedules;
- (l) Annex "D", Detailed Prices Breakdown;
- (m) Annex "E", Procedure for Processing Additional / Unscheduled Work;

-
- | | | |
|-----|---|---|
| (n) | Annex "F", | Insurance Requirements; |
| (o) | Annex "G", | PWGSC 1205 Form, Final Work Acceptance; |
| (p) | Annex "H", | Statement of Compliance Enforceable During RFP and Resulting Contract; |
| (q) | Annex "I", | Financial Bid Presentation and Evaluation Sheet; |
| (r) | Annex "J", | Mandatory Technical Criteria; |
| (s) | Annex "K" | Example of a Statement of Compliance to the SOW in a Requirement Matrix Format; |
| (t) | Annex "L", | Federal Contractors Program for Employment Equity - Certification; |
| (u) | Annex "M", | Electronic Payment Instruments; and |
| (v) | the Contractor's bid dated _____, (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: ", as clarified on _____" or ", as amended on _____" and insert date(s) of clarification(s) or amendment(s)). | |

11. Foreign Nationals (Canadian Contractor OR Foreign Contractor)

SACC Manual clause A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)

OR

SACC Manual clause A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)

12. Insurance Requirements

The Contractor must comply with the insurance requirements specified in Annex "F" Insurance Requirements. 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 fulfil 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.

13. Limitation of Contractor's Liability for Damages to Canada

- 1 This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees.
- 2 Whether the claim is based in contract, tort (including negligence), or another cause of action, the Contractor's liability for all damages suffered by Canada caused by the Contractor's performance of or failure to perform the Contract is limited to \$10 million per incident or occurrence to an annual aggregate of \$20 million for losses or damage caused in any one year of carrying out the Contract, each year starting on the date of

coming into force of the Contract or its anniversary. This limitation of the Contractor's liability does not apply to:

- (a) any infringement of intellectual property rights;
- (b) any breach of warranty obligations; or
- (c) any liability of Canada to a third party arising from any act or omission of the Contractor in performing the Contract.

- 3 Each Party agrees that it is fully liable for any damages that it causes to any third party in connection with the Contract, regardless of whether the third party makes its claim against Canada or the Contractor. If Canada is required, as a result of joint and several liability, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada for that amount.
- 4 The Parties agree that nothing herein is intended to limit any insurable interest of the Contractor nor to limit the amounts otherwise recoverable under any insurance policy. The Parties agree that to the extent that the insurance coverage required to be maintained by the Contractor under this Contract or any additional insurance coverage maintained by the Contractor, whichever is greater, is more than the limitations of liability described in sub article 2, the limitations provided herein are increased accordingly and the Contractor shall be liable for the higher amount to the full extent of the insurance proceeds recovered.
- 5 If, at any time, the total cumulative liability of the Contractor for losses or damage suffered by Canada caused by the Contractor's performance of or failure to perform the Contract, excluding liability described under subsection 2(a), (b), and (c) exceeds \$40 million, either Party may terminate the Contract by giving notice in writing to the other Party and neither Party will make any claim against the other for damages, costs, expected profits or any other such loss arising out of the termination, but no such termination or expiry of the Contract shall reduce or terminate any of the liabilities that have accrued to the effective date of the termination.
- 6 The date of termination pursuant to this Article, shall be the date specified by Canada in its notice to terminate, or, if the Contractor exercises the right to terminate, in a notice to the Contractor from Canada in response to the Contractor's notice to terminate. The date of termination shall be in Canada's discretion to a maximum of 12 months after service of the original notice to terminate served by either Party pursuant to sub article 5, above.
- 7 In the event of a termination under this Article, the Contract will automatically remain in force subject to all of the same terms and conditions until the date of termination and the Contractor agrees that it will be paid in accordance with the applicable provisions as set out in the Contract and that the Contractor's liability remains as specified in sub articles 1 through 4 above.
- 8 Nothing shall limit Canada's other remedies, including Canada's right to terminate the Contract for default for breach by the Contractor of any of its obligations under this Contract, notwithstanding that the Contractor may have reached any limitation of its liability hereunder.

14. Quality Management Systems

In the performance of the Work described in the Contract, the Contractor must comply with the requirements of:

ISO 9001:2015 - Quality management systems - Requirements, published by the International Organization for Standardization (ISO), current edition at date of submission of Contractor's bid.

It is not intended that the Contractor be registered to ISO 9001; however, the Contractor's quality management system must address all requirements appropriate to the scope of the Work.

Assistance for Government Quality Assurance (GQA)

The Contractor must provide the Technical Authority/Inspection Authority (TA/IA) with the accommodation and facilities required for the proper accomplishment of GQA and must provide any assistance required by the TA/IA for evaluation, verification, validation, documentation or release of product.

The TA/IA must have the right of access to any site of the Contractor's, sub-contractors or any sub-tier external providers of goods and/or services where any part of the Work is being carried out. The TA/IA must be afforded unrestricted opportunity to evaluate and verify Contractor conformity with quality system procedures and to validate product or service conformity with the requirements of the Contract. The Contractor must make available for reasonable use by the TA/IA the equipment necessary for all validation purposes. Contractor personnel must be made available for operation of such equipment as required.

When the TA/IA determines that GQA is required at a subcontractors or external provider's facilities, the Contractor must provide for this in the purchasing document or other documented means and forward copies to the TA/IA, together with relevant technical data as the TA/IA may request.

The Contractor must notify the TA/IA of non-conforming product or service received from a subcontractor or external provider when the product or service has been subject to GQA.

For the design, development or maintenance of software, the Contractor must interpret the requirements of ISO 9001:2015 "Quality management systems - Requirements", according to the guidelines of the latest issue (at contract date) of ISO/IEC 90003:2018 "Software engineering - Guidelines for the application of ISO 9001:2015 to computer software".

15. Dispute Resolution

The parties agree to follow the procedures below for the settlement of any disputes which may arise throughout the life of this Contract prior to seeking redress through court procedures:

- (a) Disputes arising from this Contract will in the first instance be resolved by the Contracting Authority and the Contractor's Contract Administrator within (15) working days or such additional time as may be agreed to by both parties;
- (b) Failing resolution under (a) above, the Manager of the Machinery and Logistic Support Division of the Marine Systems Directorate at PWGSC and the Contractor's Representative Supervisor will attempt to resolve the dispute within an additional fifteen (15) working days;
- (c) Failing resolution under (a) or (b) above, the Senior Director of the Marine Systems Directorate at PWGSC, and the Contractor's Senior Management will attempt to resolve the dispute within an additional thirty (30) working days; and

- (d) Notwithstanding the above procedure, either party may seek a decision through the courts at any time during the dispute.

16. Failure to Deliver

Time is of the essence of the Contract. Changes in the Completion date not caused by Canada are Contractor defaults, will prejudice Canada and are at the Contractor's expense. The Completion date will not be extended without consideration being provided by the Contractor acceptable to Canada in the form of adjustment to the price, warranty or services to be provided.

17. SACC Manual Clauses

D2000C (2007-11-30), Marking;
D2001C (2007-11-30), Labelling;
D2025C (2017-08-17), Wood Packaging Material;
D3015C (2014-09-25), Dangerous Goods / Hazardous Products - Labelling and Packaging Compliance; and
D9002C (2007-11-30), Incomplete Assemblies.

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ANNEX “A”

STATEMENT OF WORK

For RFP:

Please refer to Part 1, General Information, section 1.1.1, Technical Documentation Package on secure SharePoint.

ANNEX "B"

MILESTONE PAYMENT SCHEDULES

1. INITIAL CONTRACT

1.1. CCAMS for the CCGS A. Leblanc

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Preliminary Design Review (PDR), as per Annex "D", Section 2A			
2	Delivery and Acceptance of Critical Design Review (CDR), as per Annex "D", Section 2A			
3	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3A			
4	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4A			
5	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1A			
6	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5A			
7	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6A			
8	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7A			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
9	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8A			
10	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9A			
11	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10A			
12	Cadre Trainings and Training Documentation			
12A	As per Annex "D", Section 11 A1			
12B	As per Annex "D", Section 11 A2			
13	Contractor's On Site Project Management, as per Annex "D", Section 12A			
	TOTAL HOLDBACK FOR THE CCGS A. LEBLANC		\$	
A	TOTAL PRICE FOR THE CCGS A. LEBLANC			\$

1.1.1. Additional and Unscheduled Work Labour Rate

1.1.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

1.1.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

1.1.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

1.1.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2. OPTIONS

2.1. 1st Option - CCAMS for the CCGS Constable Carrière

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2B			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3B			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4B			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1B			
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5B			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6B			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7B			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8B			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9B			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10B			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 B1			
11B	As per Annex "D", Section 11 B2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12B			
	TOTAL HOLDBACK FOR THE CCGS CONSTABLE CARRIÈRE		\$	
B	TOTAL PRICE FOR THE CCGS CONSTABLE CARRIÈRE			\$

2.1.1. Additional and Unscheduled Work Labour Rate

2.1.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.1.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different	\$

	than item 2	
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2.1.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.1.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.2. 2nd Option - CCAMS for the CCGS Caporal Kaoble V.C.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2C			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3C			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4C			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1C			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5C			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6C			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7C			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8C			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9C			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10C			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 C1			
11B	As per Annex "D", Section 11 C2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12C			
TOTAL HOLDBACK FOR THE CCGS CAPORAL KEABLE V.C		\$		
C	TOTAL PRICE FOR THE CCGS CAPORAL KEABLE V.C.			\$

2.2.1. Additional and Unscheduled Work Labour Rate

2.2.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.2.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.2.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.2.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.3. 3rd Option - CCAMS for the CCGS M. Charles M.B.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2D			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3D			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4D			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1D			
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5D			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6D			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
	Society, as per Annex "D", Section 7D			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8D			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9D			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10D			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 D1			
11B	As per Annex "D", Section 11 D2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12D			
	TOTAL HOLDBACK FOR THE CCGS M. CHARLES M.B.		\$	
D	TOTAL PRICE FOR THE CCGS M. CHARLES M.B.			\$

2.3.1. Additional and Unscheduled Work Labour Rate

2.3.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.3.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.3.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.3.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.4. 4th Option - CCAMS for the CCGS Captain Goddard M.S.M.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2E			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3E			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4E			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1E			
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5E			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6E			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7E			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8E			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9E			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10E			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 E1			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
11B	As per Annex "D", Section 11 E2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12E			
	TOTAL HOLDBACK FOR THE CCGS CAPTAIN GODDARD M.S.M.		\$	
E	TOTAL PRICE FOR THE CCGS CAPTAIN GODDARD M.S.M.			\$

2.4.1. Additional and Unscheduled Work Labour Rate

2.4.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.4.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.4.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.4.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.5. 5th Option - CCAMS for the CCGS Private Robertson V.C.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2F			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3F			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4F			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1F			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5F			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6F			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7F			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8F			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9F			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10F			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 F1			
11B	As per Annex "D", Section 11 F2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12F			
	TOTAL HOLDBACK FOR THE CCGS PRIVATE ROBERTSON V.C.	\$		
F	TOTAL PRICE FOR THE CCGS PRIVATE ROBERTSON V.C.			\$

2.5.1. Additional and Unscheduled Work Labour Rate

2.5.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.5.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.5.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.5.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.6. 6th Option - CCAMS for the CCGS G. Peddle S.C.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2G			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3G			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4G			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1G			
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5G			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6G			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
	Society, as per Annex "D", Section 7G			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8G			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9G			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10G			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 G1			
11B	As per Annex "D", Section 11 G2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12G			
	TOTAL HOLDBACK FOR THE CCGS G. PEDDLE S.C.			\$
G	TOTAL PRICE FOR THE CCGS G. PEDDLE S.C.			\$

2.6.1. Additional and Unscheduled Work Labour Rate

2.6.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.6.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.6.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.6.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.7. 7th Option - CCAMS for the CCGS Corporal Teather C.V.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2H			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3H			
3	Acceptance of the Strip Out of the existing CCAMS with their associated components and equipment, as per Annex "D", Section 4H			
4	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1H			
5	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5H			
6	Acceptance of the Set to work tests and trials (STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6H			
7	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7H			
8	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8H			
9	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9H			
10	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10H			
11	Cadre Trainings and Training Documentation			
11A	As per Annex "D", Section 11 H1			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
11B	As per Annex "D", Section 11 H2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12H			
	TOTAL HOLDBACK FOR THE CCGS CORPORAL TEATHER C.V.		\$	
H	TOTAL PRICE FOR THE CCGS CORPORAL TEATHER C.V.			\$

2.7.1. Additional and Unscheduled Work Labour Rate

2.7.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.7.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.7.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.7.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

2.8. 8th Option - CCAMS for the CCGS Corporal McLaren M.M.V.

#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
1	Delivery and Acceptance of Critical Design Review, as per Annex "D", Section 2I			
2	Factory Acceptance Testing (FAT) of one (1) CCAMS, as per Annex "D", Section 3I			
3	Delivery and Acceptance of one (1) CCAMS following the successful FAT, as per Annex "D", Section 1I			
4	Acceptance of the Integration and Installation of the one (1) CCAMS (entire installations of one (1) CCAMS ready for set to work, tests and trials), as per Annex "D", Section 5I			
5	Acceptance of the Set to work tests and trials			

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#	Milestone	Firm Amount (\$)	Holdback of 10% (\$)	Payment (\$)
	(STWT&T) of one (1) CCAMS (set to work, tests, dock trials and sea trials with all associated components, equipment, systems and sub-systems impacted by their installation), as per Annex "D", Section 6I			
6	Delivery and Acceptance of the Certification of one (1) CCAMS by the ABS Classification Society, as per Annex "D", Section 7I			
7	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8I			
8	Delivery and Acceptance of the Special Purpose Tools and Test Equipment (SPTATE), Annex "D", Section 9I			
9	Delivery and Acceptance of the Documentation Packages, as per Annex "D", Section 10I			
10	Cadre Trainings and Training Documentation			
10A	As per Annex "D", Section 11 I1			
10B	As per Annex "D", Section 11 I2			
11	Contractor's On Site Project Management, as per Annex "D", Section 12I			
	TOTAL HOLDBACK FOR THE CCGS CORPORAL MCLAREN M.M.V.		\$	
I	TOTAL PRICE FOR THE CCGS CORPORAL MCLAREN M.M.V.			\$

2.8.1. Additional and Unscheduled Work Labour Rate

2.8.1.1. Blended Labor Rates Applicable to CCAMS Additional and Unscheduled Design, Engineering, Software Development and Programming, FAT, STWT&T, HAT and SAT Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$
2	Blended time and One-Half Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 2	\$

2.8.1.2. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular Time Blended Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work	\$
2	Blended time and One-Half Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Time and One-Half if different than item 1	\$
3	Blended Double time Labor Rate applicable to Additional and Unscheduled Vessel's Integration and Installation CCAMS Work: Double Time if different than item 2	\$

2.8.1.3. Blended Labor Rate Applicable to Additional and Unscheduled Vessel's FSR CCAMS Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the Additional and Unscheduled Vessel's FSR CCAMS Work	\$
2	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to Additional and Unscheduled Vessel's FSR CCAMS Work: Double Time if different than item 1 and 2	\$

2.8.1.4. Blended Labor Rate Applicable to CCAMS Additional Support, Modification and Development Work

ITEM #	DESCRIPTION	BLENDED HOURLY RATES (\$)
1	Regular time Blended Labor Rate applicable to the CCAMS Additional Support, Modification and Development Work	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$

TOTAL PRICE OF THE PROJECT	
Summation of the above Tables Totals: A + B + C + D + E + F + G + H + I	\$

- Note:**
- The Holdback shall be of 10% (ten percent) on every Milestone of all Tables above;
 - The Warranty Holdback of 5% (five percent) will be addressed as per Contract clause 6.5; and
 - All provided prices shall be before GST or HST, as applicable. Applicable Taxes will be applied IAW Part 7 – Resulting Contract Clauses, 7. Invoicing Instructions – Milestone Payment Claim.

3. Remote Online and Phone Call Services for the CCAMS

For each MSPV Remote Online and Phone Call Services for the CCAMS, the Contractor shall invoice Canada at the end of each three (3) months, 25% of the Annual Fees after the Option is exercised.

3.1. CCGS A. Leblanc

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

3.2. CCGS Constable Carrière

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

3.3. CCGS Caporal Kaeble V.C.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

3.4. CCGS M. Charles M.B.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$

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10	Start of 10 th Option _____	End of 10 th Option _____	\$
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3.5. CCGS Captain Goddard M.S.M.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

3.6. CCGS Private Robertson V.C.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

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3.7. CCGS G. Peddle S.C.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

3.8. CCGS Corporal Teather C.V.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

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3.9. CCGS Corporal McLaren M.M.V.

#	Period From date – To date		Annual Fee (\$)
1	Option Exercised _____	End of 1 st Option _____	\$
2	Start of 2 nd Option _____	End of 2 nd Option _____	\$
3	Start of 3 rd Option _____	End of 3 rd Option _____	\$
4	Start of 4 th Option _____	End of 4 th Option _____	\$
5	Start of 5 th Option _____	End of 5 th Option _____	\$
6	Start of 6 th Option _____	End of 6 th Option _____	\$
7	Start of 7 th Option _____	End of 7 th Option _____	\$
8	Start of 8 th Option _____	End of 8 th Option _____	\$
9	Start of 9 th Option _____	End of 9 th Option _____	\$
10	Start of 10 th Option _____	End of 10 th Option _____	\$

Note: - All provided Annual Fee (\$) shall be before GST or HST, as applicable. Applicable Taxes will be applied IAW Part 7 – Resulting Contract Clauses, 7. Invoicing Instructions – Milestone Payment Claim.

ANNEX "C"

DELIVERY SCHEDULES

1. INITIAL CONTRACT - DELIVERY SCHEDULE FOR CCGS A. Leblanc

INITIAL CONTRACT		
ONE (1) CCAMS REPLACEMENT FOR CCGS A. Leblanc		
Item #	Description	Calendar Days (CD) after Contract Award (CA)
C1	CONTRACT AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	BDR SUBMISSION TO ABS	
4	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
5	PRELIMINARY DESIGN REVIEW (PDR) MEETING	
6	CRITICAL DESIGN REVIEW (CDR) MEETING	
7	FAT OF THE CCAMS – AT FACTORY	
8	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
9	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	
10	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
11	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
12	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
13	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
14	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
15	FINAL WORK ACCEPTANCE OF THE CCAMS	

2. 1ST OPTION - DELIVERY SCHEDULE FOR CCGS Constable Carrière

1ST OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Constable Carrière		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

3. 2nd OPTION - DELIVERY SCHEDULE FOR CCGS Caporal Kaeble V.C.

2nd OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Caporal Kaeble V.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

4. 3rd OPTION - DELIVERY SCHEDULE FOR CCGS M. Charles M.B.

3rd OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS M. Charles M.B.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

5. 4th OPTION - DELIVERY SCHEDULE FOR CCGS Captain Goddard M.S.M.

4th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Captain Goddard M.S.M.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

6. 5th OPTION - DELIVERY SCHEDULE FOR CCGS Private Robertson V.C.

5th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Private Robertson V.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

7. 6th OPTION - DELIVERY SCHEDULE FOR CCGS G. Peddle S.C.

6th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS G. Peddle S.C.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

8. 7th OPTION - DELIVERY SCHEDULE FOR CCGS Corporal Teather C.V.

7th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal Teather C.V.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT OPTION AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	CRITICAL DESIGN REVIEW (CDR) MEETING	
5	FAT OF THE CCAMS – AT FACTORY	
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
9	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
12	FINAL WORK ACCEPTANCE OF THE CCAMS	

9. 8th OPTION - DELIVERY SCHEDULE FOR CCGS Corporal McLaren M.M.V.

8th OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal McLaren M.M.V.		
Item #	Description	Calendar Days (CD) after Option Exercise (OE)
C1	CONTRACT AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	BDR SUBMISSION TO ABS	
4	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
5	PRELIMINARY DESIGN REVIEW (PDR) MEETING	
6	CRITICAL DESIGN REVIEW (CDR) MEETING	
7	FAT OF THE CCAMS – AT FACTORY	
8	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	
9	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	
10	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	
11	SET TO WORK TESTS AND TRIALS OF THE CCAMS (SET TO WORK, TESTS, DOCK TRIALS AND SEA TRIALS OF CCAMS WITH ALL ASSOCIATED COMPONENTS AND EQUIPMENT SYSTEMS AND SUB-SYSTEMS IMPACTED BY THEIR INSTALLATIONS)	
12	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	
13	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	
14	FINAL WORK ACCEPTANCE OF THE CCAMS	

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065ml
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The delivery schedules listed in this Annex "C" are based on the forecasted availability of the MSPVs.

- (a) The Contractor shall not be in default if the MSPVs are not made available for the installation of the CCAMS; and
- (b) If at the Contractor's proposed dates, the MSPVs are not made available for the installation of the CCAMS's, Canada shall not be held liable for any delays and costs incurred by the Contractor.

ANNEX "D"

DETAILED PRICES BREAKDOWN

FOR THE

CCAMS, DESIGN, SPECIAL PURPOSE TOOLS AND TEST EQUIPMENT (SPTATE), FACTORY ACCEPTANCES TESTS, SPARE PARTS, PROCEDURES, DOCUMENTATION, CERTIFICATIONS AND CADRE TRAININGS

The Bidder/Contractor must use components and equipment that are listed in its bid's IAW SOW DID-EN-10, Basic Design Review (BDR) Package - RFP Stage.

Bidder Instruction: For Section # 1, the Bidder must use the same Unit Price (\$) for the same components and equipment in all tables. For Section # 1I – CCGS Corporal McLaren M.M.V., the Bidder must provide additional Unit Prices (\$) since there are additional components and equipment to be delivered. The Option tables are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 1 Material Breakdown for the CCAMS with their associated components and equipment, including software and licences if applicable. As a minimum, the CCAMS must include the following components and equipment and the Contractor must add any other required components and equipment in order to meet its design:				
Description		Unit Price (\$)	QTY	Total Price (\$)
Section # 1A - Initial Contract - CCGS A. Leblanc				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	

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13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software - _____		2	
26	Programmable Controllers development software with a perpetual license List Software - _____		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1A – CCGS A. Leblanc – TOTAL PRICE (\$)				

Section # 1B - 1st Option - CCGS Constable Carrière				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software -		2	
26	Programmable Controllers development software with a perpetual license List Software -		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming		2	

	development Licenses List Software - _____			
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1B – CCGS Constable Carrière – TOTAL PRICE (\$)				
Section # 1C - 2nd Option - CCGS Caporal Kaebler V.C.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling		1	

	system			
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software -		2	
26	Programmable Controllers development software with a perpetual license List Software -		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software -		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software -		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software -	Unit Price	QTY	
	-			
	-			
	-			
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1C – CCGS Caporal Kaeble V.C. – TOTAL PRICE (\$)				
Section # 1D – 3rd Option - CCGS M. Charles M.B.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	

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4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software -		2	
26	Programmable Controllers development software with a perpetual license List Software -		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software -		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software -		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete	Unit Price	QTY	

	operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	_____	_____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1D – CCGS M. Charles M.B. – TOTAL PRICE (\$)				
Section # 1E – 4th Option - CCGS Captain Goddard M.S.M.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	

22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software - _____		2	
26	Programmable Controllers development software with a perpetual license List Software - _____		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1E – CCGS Captain Goddard M.S.M. – TOTAL PRICE (\$)				
Section # 1F – 5th Option - CCGS Private Robertson V.C.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	

8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software - _____		2	
26	Programmable Controllers development software with a perpetual license List Software - _____		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	

33	200M CAT 6 shielded cable		1	
Section # 1F – CCGS Private Robertson V.C. – TOTAL PRICE (\$)				
Section # 1G – 6th Option - CCGS G. Peddle S.C.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software -		2	
26	Programmable Controllers development software with a perpetual license		2	

	List Software - _____			
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1G – CCGS G. Peddle S.C. – TOTAL PRICE (\$)				
Section # 1H – 7th Option - CCGS Corporal Teather C.V.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	

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13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	UPS A and UPS B Batteries		4	
17	Atmospheric Pressure Sensor for tank leveling system		1	
18	Atmospheric Pressure Transducer in the AMR		1	
19	PT100 temperature sensor		2	
20	40 M TPISOS - 1.5 mm ² cabling for the FO Day Tank Level transducer		1	
21	40 M TPISOS - 1.5 mm ² cabling for the EDG Tank Level transducer		1	
22	Industrial Cellular Gateway		1	
23	Two (2) year subscription for Industrial Cellular Gateway		2	
24	CCAMS PC Server's cloned image hard drive		2	
25	Programmable Controllers runtime perpetual license List Software - _____		2	
26	Programmable Controllers development software with a perpetual license List Software - _____		2	
27	Windows 10 IoT Enterprise operating system		7	
28	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
29	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
30	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
31	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
32	500M TPOS - 1.5 mm ² – 2 pair cable		1	
33	200M CAT 6 shielded cable		1	
Section # 1H – CCGS Corporal Teather C.V. – TOTAL PRICE (\$)				

Section # 11 – 8th Option - CCGS Corporal McLaren M.M.V.				
1	Redundant Marine Type approved Programmable Controllers		2	
2	Programmable Controllers Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		2	
3	Marine Type approved Remote I/O		4	
4	Remote I/O Rack components and all supporting electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)		4	
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC with 15" Screen		2	
7	Marine Type Approved Fan-less Panel PC with 19" Screen		3	
8	Fully rugged laptop with associated communication cables		1	
9	19", NEMA 4 marine Type approved, touch screen monitor		2	
10	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
11	Keyboard and trackball set		4	
12	Marine Type approved managed Ethernet switch		4	
13	Marine Type approved Tank level transducer		16	
14	Remote Monitoring equipment		1	
15	Log and Alarm Printer		1	
16	Atmospheric Pressure Sensor for tank leveling system		1	
17	Atmospheric Pressure Transducer in the AMR		1	
18	Atmospheric Pressure Transducer in the MMR		1	
19	PT100 temperature sensor		2	
20	I/O cabinet to house all Remote I/O equipment		4	
21	Alarm Column for AMR and MMR		2	
22	Alarm annunciator mounted on MCR and Bridge consoles		2	
23	BUS converter to Ethernet Gateway		10	
24	Key switch in BCS for unattended operation		1	
25	Main deck filling station 120db siren		1	
26	Main deck filling station flashing red light		1	
27	Dual axis Inclinator		1	
28	Level switch for Emergency Diesel Generator fuel reservoir		2	
29	Level switch for FO Day Tank		2	
30	Dual level switch for FO Tank No.09		1	
31	UPS System (A)		1	
32	UPS System (B)		1	
33	Rotating alarm light indication for Bow Thruster &		2	

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	Steering gear rooms			
34	Bridge top amber flashing light		1	
35	Connection Box For Tanks Level Transducer with Desiccant		16	
36	Bilge Level Switch		11	
37	Fresh Water RTD x Thermowell		2	
38	Fresh Water RTD x Thermowell (For Heater Starters)		2	
39	MMR – Box For Dead Man alarm complete with activation & reset		1	
40	AMR – Box For Dead Man alarm complete with activation & reset		1	
41	MCR Alarm Station Console		1	
42	Industrial Cellular Gateway		1	
43	Two (2) year subscription for Industrial Cellular Gateway		2	
44	CCAMS PC Server's cloned image hard drive		2	
45	Programmable Controllers runtime perpetual license List Software - _____		2	
46	Programmable Controllers development software with a perpetual license List Software - _____		2	
47	Windows 10 IoT Enterprise operating system		7	
48	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
49	HMI SCADA or DCS software programming development Licenses List Software - _____		2	
50	HMI SCADA or DCS software runtime with a perpetual license List Software - _____		8	
51	Any required additional software with a perpetual license. If the bidder/contractor omits any required software licenses necessary for the complete operation and lifecycle of the CCAMS they will be obligated to provide all omitted software at the Bidder/Contractor's cost with perpetual licenses. List Software - _____ - _____ - _____	Unit Price _____ _____ _____	QTY _____ _____ _____	
Section # 1I – CCGS Corporal McLaren M.M.V. – TOTAL PRICE (\$)				
TOTAL PRICE FOR SECTION 1 (\$) (TOTAL OF SECTIONS: 1A + 1B + 1C + 1D + 1E + 1F + 1G + 1H + 1I)				

Bidder Instruction: For Section # 2, the Bidder must use the same Critical Design Review (CDR) Total Price (\$) for 2B, 2C, 2D, 2E, 2F, 2G and 2H. The Bidder must use the same Travel & Living Price (\$) for 2AA, 2BB and 2CC. The Bidder must use the same Travel & Living Price (\$) for 2DD and 2EE. The Bidder must use the same Travel & Living Price (\$) for 2FF, 2GG, 2HH and 2II. The Options in Section # 2 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 2 – Design of the CCAMS	
Description	Total Price (\$)
2A - Initial Contract - CCGS A. Leblanc	
Preliminary Design Review (PDR), price must not exceed 4% of the Total Price of the project	
Critical Design Review (CDR), price must not exceed 4% of the Total Price of the project	
2AA - Initial Contract - CCGS A. Leblanc - Travel & Living	
TOTAL PRICE FOR SECTION 2A + 2AA (\$)	\$
2B - 1st Option - CCGS Constable Carrière	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2BB - 1st Option - CCGS Constable Carrière - Travel & Living	
2C - 2nd Option - CCGS Caporal Kaebler V.C.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2CC - 2nd Option - CCGS Caporal Kaebler V.C. - Travel & Living	
2D - 3rd Option - CCGS M. Charles M.B.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2DD - 3rd Option - CCGS M. Charles M.B. - Travel & Living	
2E - 4th Option - CCGS Captain Goddard M.S.M.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2EE - 4th Option - CCGS Captain Goddard M.S.M. - Travel & Living	
2F - 5th Option - CCGS Private Robertson V.C.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2FF - 5th Option - CCGS Private Robertson V.C. - Travel & Living	
2G - 6th Option - CCGS G. Peddle S.C.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	

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2GG - 6th Option - CCGS G. Peddle S.C. - Travel & Living	
2H - 7th Option - CCGS Corporal Teather C.V.	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
2HH - 7th Option - CCGS Corporal Teather C.V. - Travel & Living	
2I - 8th Option - CCGS Corporal McLaren M.M.V.	
Preliminary Design Review (PDR), price must not exceed 4% of the Total Price of the project	
Critical Design Review (CDR), price must not exceed 4% of the Total Price of the project	
2II - 8th Option - CCGS Corporal McLaren M.M.V. - Travel & Living	
TOTAL PRICE FOR SECTION 2I + 2II (\$)	
TOTAL PRICE FOR SECTION 2 (\$)	
(TOTAL OF SECTIONS: 2A + 2AA + 2B + 2BB + 2C + 2CC + 2D + 2DD + 2E + 2EE+ 2F + 2FF + 2G + 2GG + 2H + 2HH+ 2I + 2II)	\$

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Bidder Instruction: For Section # 3, the Bidder must use the same Total Price (\$) for 3B, 3C, 3D, 3E, 3F, 3G and 3H, as per Annex "A", SOW, DID-AT-02, section 10.10. The Options in Section # 3 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 3 – Factory Acceptance Test (FAT) of the CCAMS	
Description	Total Price (\$)
3A - Initial Contract - CCGS A. Leblanc	
3B - 1 st Option - CCGS Constable Carrière	
3C - 2 nd Option - CCGS Caporal Kaebler V.C.	
3D - 3 rd Option - CCGS M. Charles M.B.	
3E - 4 th Option - CCGS Captain Goddard M.S.M.	
3F - 5 th Option - CCGS Private Robertson V.C.	
3G - 6 th Option - CCGS G. Peddle S.C.	
3H - 7 th Option - CCGS Corporal Teather C.V.	
3I - 8 th Option - CCGS Corporal McLaren M.M.V.	
TOTAL PRICE FOR SECTION 3 (\$) (TOTAL OF SECTION 3A + 3B + 3C + 3D + 3E + 3F + 3G + 3H + 3I)	\$

Bidder Instruction: For Section # 4, the Bidder must use the same Total Price (\$) for 4A, 4B, 4C, 4D, 4E, 4F, 4G and 4H. The Bidder must use the same Travel & Living Price (\$) for 4AA, 4BB and 4CC. The Bidder must use the same Travel & Living Price (\$) for 4DD and 4EE. The Bidder must use the same Travel & Living Price (\$) for 4FF, 4GG, and 4HH. The Options in Section # 4 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 4 – Strip Out of existing CCAMS with their associated components and equipment	
Description	Total Price (\$)
4A - Initial Contract - CCGS A. Leblanc	
4AA - Initial Contract - CCGS A. Leblanc - Travel & Living	
4B - 1 st Option - CCGS Constable Carrière	
4BB - 1 st Option - CCGS Constable Carrière - Travel & Living	
4C - 2 nd Option - CCGS Caporal Kaebler V.C.	
4CC - 2 nd Option - CCGS Caporal Kaebler V.C. - Travel & Living	
4D - 3 rd Option - CCGS M. Charles M.B.	
4DD - 3 rd Option - CCGS M. Charles M.B. - Travel & Living	
4E - 4 th Option - CCGS Captain Goddard M.S.M.	
4EE - 4 th Option - CCGS Captain Goddard M.S.M. - Travel & Living	
4F - 5 th Option - CCGS Private Robertson V.C.	
4FF - 5 th Option - CCGS Private Robertson V.C. - Travel & Living	
4G - 6 th Option - CCGS G. Peddle S.C.	
4GG - 6 th Option - CCGS G. Peddle S.C. - Travel & Living	
4H - 7 th Option - CCGS Corporal Teather C.V.	
4HH - 7 th Option - CCGS Corporal Teather C.V. - Travel & Living	
TOTAL PRICE FOR SECTION 4 (\$) (TOTAL OF SECTION 4A + 4AA + 4B + 4BB + 4C + 4CC + 4D + 4DD + 4E + 4EE + 4F + 4FF + 4G + 4GG + 4H + 4HH)	\$

Bidder Instruction: For Section # 5, the Bidder must use the same Total Price (\$) for 5A, 5B, 5C, 5D, 5E, 5F, 5G and 5H. The Bidder must use the same Travel & Living Price (\$) for 5AA, 5BB and 5CC. The Bidder must use the same Travel & Living Price (\$) for 5DD and 5EE. The Bidder must use the same Travel & Living Price (\$) for 5FF, 5GG, 5HH and 5II. The Options in Section # 5 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 5 – Integration and Installation of the CCAMS onboard the MSPVs	
Description	Total Price (\$)
5A - Initial Contract - CCGS A. Leblanc	
5AA - Initial Contract - CCGS A. Leblanc – Travel & Living	
5B - 1 st Option - CCGS Constable Carrière	
5BB - 1 st Option - CCGS Constable Carrière – Travel & Living	
5C - 2 nd Option - CCGS Caporal Kaebler V.C.	
5CC - 2 nd Option - CCGS Caporal Kaebler V.C. – Travel & Living	
5D - 3 rd Option - CCGS M. Charles M.B.	
5DD - 3 rd Option - CCGS M. Charles M.B. – Travel & Living	
5E - 4 th Option - CCGS Captain Goddard M.S.M.	
5EE - 4 th Option - CCGS Captain Goddard M.S.M. – Travel & Living	
5F - 5 th Option - CCGS Private Robertson V.C.	
5FF - 5 th Option - CCGS Private Robertson V.C. – Travel & Living	
5G - 6 th Option - CCGS G. Peddle S.C.	
5GG - 6 th Option - CCGS G. Peddle S.C. – Travel & Living	
5H - 7 th Option - CCGS Corporal Teather C.V.	
5HH - 7 th Option - CCGS Corporal Teather C.V. – Travel & Living	
5I - 8 th Option - CCGS Corporal McLaren M.M.V.	
5II - 8 th Option - CCGS Corporal McLaren M.M.V. – Travel & Living	
TOTAL PRICE FOR SECTION 5 (\$) (TOTAL OF SECTION 5A + 5AA + 5B + 5BB + 5C + 5CC + 5D + 5DD + 5E + 5EE + 5F + 5FF + 5G + 5GG + 5H + 5HH + 5I + 5II)	\$

Bidder Instruction: For Section # 6, the Bidder must use the same Total Price (\$) for 6A, 6B, 6C, 6D, 6E, 6F, 6G and 6H. The Bidder must use the same Travel & Living Price (\$) for 6AA, 6BB and 6CC. The Bidder must use the same Travel & Living Price (\$) for 6DD and 6EE. The Bidder must use the same Travel & Living Price (\$) for 6FF, 6GG, 6HH and 6II. The Options in Section # 6 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 6 – Set to Work Tests and Trials (STWT&T) including Dock Trials and Sea Trials of the CCAMS with all associated components, equipment, systems and sub-systems impacted by the CCAMS installation	
Description	Total Price (\$)
6A - Initial Contract - CCGS A. Leblanc	
6AA - Initial Contract - CCGS A. Leblanc – Travel & Living	
6B - 1st Option - CCGS Constable Carrière	
6BB - 1st Option - CCGS Constable Carrière – Travel & Living	
6C - 2nd Option - CCGS Caporal Kaebler V.C.	
6CC - 2nd Option - CCGS Caporal Kaebler V.C. – Travel & Living	
6D - 3rd Option - CCGS M. Charles M.B.	
6DD - 3rd Option - CCGS M. Charles M.B. – Travel & Living	
6E - 4th Option - CCGS Captain Goddard M.S.M.	
6EE - 4th Option - CCGS Captain Goddard M.S.M. – Travel & Living	
6F - 5th Option - CCGS Private Robertson V.C.	
6FF - 5th Option - CCGS Private Robertson V.C. – Travel & Living	
6G - 6th Option - CCGS G. Peddle S.C.	
6GG - 6th Option - CCGS G. Peddle S.C. – Travel & Living	
6H - 7th Option - CCGS Corporal Teather C.V.	
6HH - 7th Option - CCGS Corporal Teather C.V. – Travel & Living	
6I - 8th Option - CCGS Corporal McLaren M.M.V.	
6II - 8th Option - CCGS Corporal McLaren M.M.V. – Travel & Living	
TOTAL PRICE FOR SECTION 6 (\$) (TOTAL OF SECTION 6A + 6AA + 6B + 6BB + 6C + 6CC + 6D + 6DD + 6E + 6EE + 6F + 6FF + 6G + 6GG + 6H + 6HH + 6I + 6II)	\$

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Bidder Instruction: For Section # 7, the Bidder must use the same Total Price (\$) for 7B, 7C, 7D, 7E, 7F, 7G and 7H. The Options in Section # 7 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section #7 – Certification of the CCAMS	
Description	Total Price (\$)
7A - Initial Contract - CCGS A. Leblanc	
7B - 1 st Option - CCGS Constable Carrière	
7C - 2 nd Option - CCGS Caporal Kaebler V.C.	
7D - 3 rd Option - CCGS M. Charles M.B.	
7E - 4 th Option - CCGS Captain Goddard M.S.M.	
7F - 5 th Option - CCGS Private Robertson V.C.	
7G - 6 th Option - CCGS G. Peddle S.C.	
7H - 7 th Option - CCGS Corporal Teather C.V.	
7I - 8 th Option - CCGS Corporal McLaren M.M.V.	
TOTAL PRICE FOR SECTION 7 (\$) (TOTAL OF SECTION 7A + 7B + 7C + 7D + 7E + 7F + 7G + 7H + 7I)	\$

Bidder Instruction: For Section # 8, the Bidder must use the same Unit Prices (\$) for 8A, and 8B, as per Annex "A", SOW, Section 6.3, Subsection 5. The Options in Section # 8 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 8 – List of Spare Parts as per SOW for five (5) years					
Part Number	Description	Unit Price (\$)	QTY	Total Price (\$)	Shelf Life (Years)
8A - Initial Contract - CCGS A. Leblanc					
	Programmable Controller complete with CPU, power supply and communication module		1		
	Each type of Remote IO components ie one Digital input, Digital output, Analog input and Analog output module		1		
	19" Monitor in BCS		1		
	19" Monitor in MCR		1		
	19" Remote Panel PC		1		
	15" Remote Panel PC		1		
	PC Server complete with backup images of as commissioned CCAMS PC servers upon completion of STW		1		
	Marine Type approved managed Ethernet switch		1		
	Tank level transducer		1		
	24V Power supply for Remote IO		1		
	Serial Advanced Technology Attachment (SATA) SSD or Nonvolatile Memory Express (NVMe) supplied with each PC Server complete with cloned image of PC server hard drive		1		
TOTAL PRICE FOR SECTION 8A (\$)				\$	
8B - 1st Option – Additional Spare Parts					
	Programmable Controller complete with CPU, power supply and communication module		1		
	Each type of Remote IO components ie one Digital input, Digital output, Analog input and Analog output module		1		
	19" Monitor in BCS		1		
	19" Monitor in MCR		1		
	19" Remote Panel PC		1		
	15" Remote Panel PC		1		

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	PC Server complete with backup images of as commissioned CCAMS PC servers upon completion of STW		1		
	Marine Type approved managed Ethernet switch		1		
	Tank level transducer		1		
	24V Power supply for Remote IO		1		
	Serial Advanced Technology Attachment (SATA) SSD or Nonvolatile Memory Express (NVMe) supplied with each PC Server complete with cloned image of PC server hard drive		1		
TOTAL PRICE FOR SECTION 8B (\$)				\$	
TOTAL PRICE FOR SECTION 8 (\$) (TOTAL OF SECTION 8A + 8B)				\$	

Canada is under no obligation to procure all or any of the Spare Parts listed in Section 8 above.

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Bidder Instruction: For Section # 9, the Bidder must use the same Unit Prices (\$) for 9A, and 9B. The Options in Section # 9 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 9 – Special Purpose Tools and Test Equipment (SPTATE) as per SOW				
Part Number	Description	Unit Price (\$)	QTY	Total Price (\$)
9A - Initial Contract - CCGS A. Leblanc				
TOTAL PRICE FOR SECTION 9A (\$)				\$
9B - 1 st Option – Additional SPTATE				
TOTAL PRICE FOR SECTION 9B (\$)				\$
TOTAL PRICE FOR SECTION 9 (\$) (TOTAL OF SECTION 9A + 9B)				\$

Canada is under no obligation to procure all or any of the SPTATE listed in Section 9 above.

Bidder Instruction: For Section # 10, the Bidder must use the same Unit Prices (\$) for 10B, 10C, 10D, 10E, 10F, 10G and 10H. The Options in Section # 10 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section #10 – Documentation Packages for the CCAMS			
Description	Unit Price (\$)	QTY	Total Price (\$)
10A - Initial Contract - CCGS A. Leblanc			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and - Any other Documentation Packages, as required during the course of the project.		1	
10B - 1st Option - CCGS Constable Carrière			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and - Any other Documentation Packages, as required during the course of the project.		1	
10C - 2nd Option - CCGS Caporal Kaeble V.C.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and - Any other Documentation Packages, as required during the course of the project.		1	
10D - 3rd Option - CCGS M. Charles M.B.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and - Any other Documentation Packages, as required during the course of the project.		1	
10E - 4th Option - CCGS Captain Goddard M.S.M.			

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As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.		1	
10F - 5th Option - CCGS Private Robertson V.C.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.		1	
10G - 6th Option - CCGS G. Peddle S.C.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.		1	
10H - 7th Option - CCGS Corporal Teather C.V.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-08; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.		1	
10I - 8th Option - CCGS Corporal McLaren M.M.V.			
As per: - DID-PM-01 to PM-05; - DID-EN-01; - DID-EN-04 to DID-EN-09; - DID-AT-03 to DID-AT-07; - DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.		1	
TOTAL PRICE FOR SECTION 10 (\$) (TOTAL OF SECTION 10A + 10B + 10C + 10D + 10E + 10F + 10G + 10H + 10I)			\$

Bidder Instruction: For Section # 11, the Bidder must use the same Unit Prices (\$) for 11B, 11C, 11D, 11E, 11F, 11G, 11H and 11J. The Bidder must use the same Travel & Living Price (\$) for 11AA, 11BB and 11CC. The Bidder must use the same Travel & Living Price (\$) for 11DD and 11EE. The Bidder must use the same Travel & Living Price (\$) for 11FF, 11GG, 11HH and 11II. The Options in Section # 11 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section #11 – Cadre Trainings and Training Documentation			
Description	Unit Price (\$)	QTY	Total Price (\$)
11A - Initial Contract - CCGS A. Leblanc			
11 A1 Cadre Shipboard Training Session with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11 A2 Cadre Classroom Training Session with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11AA - Initial Contract - CCGS A. Leblanc – Travel & Living		2	
11B - 1st Option - CCGS Constable Carrière			
11 B1 Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11 B2 Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11BB - 1st Option - CCGS Constable Carrière – Travel & Living		2	
11C - 2nd Option - CCGS Caporal Kaeble V.C.			
11 C1 Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11 C2 Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11CC - 2nd Option - CCGS Caporal Kaeble V.C. – Travel & Living		2	
11D - 3rd Option - CCGS M. Charles M.B.			
11 D1 Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11 D2 Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
11DD - 3rd Option - CCGS M. Charles M.B. – Travel & Living		2	

11E - 4th Option - CCGS Captain Goddard M.S.M.			
11 E1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11 E2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11EE - 4th Option - CCGS Captain Goddard M.S.M. – Travel & Living		2	
11F - 5th Option - CCGS Private Robertson V.C.			
11 F1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11 F2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11FF - 5th Option - CCGS Private Robertson V.C. – Travel & Living		2	
11G - 6th Option - CCGS G. Peddle S.C.			
11 G1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11 G2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11GG - 6th Option - CCGS G. Peddle S.C. – Travel & Living		2	
11H - 7th Option - CCGS Corporal Teather C.V.			
11 H1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11 H2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11HH - 7th Option - CCGS Corporal Teather C.V. – Travel & Living		2	
11I - 8th Option - CCGS Corporal McLaren M.M.V.			
11 I1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11 I2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"	2	
11II - 8th Option - CCGS Corporal McLaren M.M.V. – Travel & Living		2	

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11J - 9th Option – Additional Cadre Trainings			
11 J1	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 “Integrated Logistics Support (ILS)”. Canada reserves the right to add additional sessions of training.		1
11 J2	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 “Integrated Logistics Support (ILS)”. Canada reserves the right to add additional sessions of training.		1
TOTAL PRICE FOR SECTION 11 (\$) (TOTAL OF SECTION 11A + 11AA + 11B + 11BB + 11C + 11CC + 11D + 11DD + 11E + 11EE + 11F + 11FF + 11G + 11GG + 11H + 11HH + 11I + 11II + 11J)			\$

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Bidder Instruction: For Section # 12, the Bidder must use the same Total Prices (\$) for 12A, 12B, 12C, 12D, 12E, 12F, 12G and 12H. The Options in Section # 12 are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA). (Bidder Instruction to be deleted at Contract award.)

Section # 12 – Contractor's On Site Project Management as per SOW, Section 7.0	
Description	Total Price (\$)
12A - Initial Contract - CCGS A. Leblanc	
12B - 1 st Option - CCGS Constable Carrière	
12C - 2 nd Option - CCGS Caporal Kaeble V.C.	
12D - 3 rd Option - CCGS M. Charles M.B.	
12E - 4 th Option - CCGS Captain Goddard M.S.M.	
12F - 5 th Option - CCGS Private Robertson V.C.	
12G - 6 th Option - CCGS G. Peddle S.C.	
12H - 7 th Option - CCGS Corporal Teather C.V.	
12I - 8 th Option - CCGS Corporal McLaren M.M.V.	
TOTAL PRICE FOR SECTION 12 (\$) (TOTAL OF SECTION 12A + 12B + 12C + 12D + 12E + 12F + 12G + 12H + 12I)	\$

TOTAL PRICE OF THE PROJECT (TOTAL OF SECTION 1 TO 12)	\$
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Note: All provided prices shall be before GST or HST, as applicable and shall not be part of the Financial Evaluation Applicable Taxes will be applied IAW Part 7 – Resulting Contract Clauses, 7. Invoicing Instructions – Milestone Payment Claim.

No changes shall be made to this list unless specifically requested by Canada, in which case the Design Change procedure will apply.

ANNEX "E"

PROCEDURE FOR PROCESSING ADDITIONAL / UNSCHEDULED WORK

1. Purpose

The Additional / Unscheduled Work (A/U Work) Procedure has been instituted for the following purposes:

- A) To establish a uniform method of dealing with requests for A/U Work;
- B) To obtain the necessary Technical Authority approval and Contracting Authority authorization before A/U Work commences; and
- C) To provide a means of maintaining a record of A/U Work requirements including Serial Numbers, dates, and accumulated costs. The Contractor shall have a cost accounting system that is capable of assigning job numbers for each A/U Work requirement so that each requirement can be audited individually.

2. Definitions and Particulars

- A) An A/U Work Procedure is a contractual procedure whereby changes to the scope of Work under the Contract may be defined, priced and contractually agreed to. Such changes may arise from:
 - i. "Work Arising" from the contracted Work (Unscheduled Work),
 - or
 - ii. "New Work" not initially contracted but requiring to be done in order to achieve the contract (Additional Work).
- B) The procedure does not allow for the correction of deficiencies in the Contractor's Proposal.
- C) No A/U Work may be undertaken by the Contractor without written authorization of the Contracting Authority except under emergency circumstances described in Sub. Paragraph 3(B).
- D) Work undertaken without written Contracting Authority authorization will be considered the Contractor's responsibility and cost.
- E) The form PWGSC-TPSGC 1379 (10/2011) will contain the final description of the A/U Work requirement, and the prices negotiated and agreed to.

3. Procedures

- A) The procedure involves the electronic form PWGSC-TPSGC 1379 (10/2011) for refit and repair and will be the only form for authorizing all A/U Work.
- B) Emergency measures required to prevent loss or damage to the Procured Equipment and /or the Vessel which would occur if this A/U Work procedure were followed, shall be taken by the Contractor on its own authority. The responsibility for the cost of such measures shall be determined in accordance with the terms and conditions of the Contract.

- C) The Technical Authority will initiate a work estimate request by defining the A/U Work requirement. It will attach drawings, sketches, additional specifications, other clarifying details as appropriate, and allocate their Serial Number for the request.
- D) Notwithstanding the foregoing, the Contractor may propose to the Technical Authority in writing, either by letter or some type of Defect Advice Form (this is the Contractor's own form) that certain A/U Work should be carried out.
- E) The Technical Authority will either reject or accept such Proposal, and advise the Contractor and Contracting Authority. Acceptance of the Proposal is not to be construed as authorization for the work to proceed. If required, the Technical Authority will then define the A/U Work requirement in accordance with Sub. Paragraph 3.C).
- F) The Contractor will electronically submit its Proposal to the Contracting Authority together with all price support, any qualifications, remarks or other information requested.

The price support must demonstrate the relationship between the scope of work, the Contractor's estimated costs and its selling price. It is a breakdown of the Contractor's unit rates, estimates of person hours by trade, estimate of material cost per item, for both the contractor and all of its subcontractors, estimates of any related impact, and an evaluation of the contractor's time required to perform the A/U Work.

- G) The Contractor must provide copies of purchase orders and paid invoices for Subcontracts and/or materials, including stocked items, in either case. The Contractor shall provide a minimum of two quotations for Subcontracts or materials. If other than the lowest, or sole source is being recommended for quality and/or delivery considerations, this shall be noted. On request to the Contractor, the Contracting Authority shall be permitted, to meet with any proposed Subcontractor or material supplier for discussion of the price and always with the Contractor's representative present.
- H) After discussion between the Contracting Authority and the Contractor and if no negotiation is required, the Contracting Authority will seek Technical Authority confirmation to proceed by signing the form. The Contracting Authority will then sign and authorize the A/U Work to proceed.
- I) In the event the Technical Authority does not wish to proceed with the work, it will cancel the proposed A/U Work through the Contracting Authority in writing.
- J) In the event the negotiation involves a Credit, the appropriate PWGSC form will be noted as "credit" accordingly.
- K) In the event that the Technical Authority requires A/U Work of an urgent nature or an impasse has occurred in negotiations, the commencement of the A/U Work should not be unduly delayed and should be processed as follows, in either case. The Contractor will complete the appropriate PWGSC 1379 form indicating the offered cost and pass it to the Contracting Authority. If the Technical Authority wishes to proceed, the Technical Authority and the Contracting Authority will sign the completed PWGSC 1379 form with the notation, "CEILING PRICE SUBJECT TO DOWNWARD ADJUSTMENT", and allocate a Serial Number having the suffix "A". The work will proceed with the understanding that following an audit of the Contractor's actual costs for completing the described work, the cost will be finalized at the ceiling price or lower, if justified by the audit. A new PWGSC 1379 form will then be completed with the finalized costs, signed and issued with the same Serial Number without the suffix "A", and bearing a notation that this form is replacing and cancelling the form having the same Serial Number with the suffix "A".

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NOTE: PWGSC 1379 forms bearing Serial Numbers with a suffix "A" shall not to be included in any contract amendments, and therefore no payment shall be made until final resolution of the price and incorporation into the contract.

4. Amendment to Contract or Formal Agreement

The Contract will be amended from time to time in accordance with the Contract terms to incorporate the costs authorized on the appropriate PWGSC 1379 forms.

ANNEX "F"

INSURANCE REQUIREMENTS

1 Ship Repairers' Liability Insurance

- 1.1 The Contractor must obtain Ship Repairer's 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 not less than \$20,000,000 in the annual aggregate.
- 1.2 The Ship Repairer's 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 Environment Canada 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 Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.
 - 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.

2 Commercial General Liability Insurance

- 2.1 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 \$10,000,000 per accident or occurrence and not less than \$20,000,000 in the annual aggregate.
- 2.2 The Commercial General Liability Insurance 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 Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- 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 All Risks Tenants Legal Liability - to protect the Contractor for liabilities arising out of its occupancy of leased premises.
- o Amendment to the Watercraft Exclusion to extend to incidental repair operations on board watercraft.
- p Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.
- q 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.

3 Errors and Omissions Liability Insurance

- 3.1 The Contractor must obtain Errors and Omissions Liability (a.k.a. Professional 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 \$1,000,000 per loss and in the annual aggregate, inclusive of defence costs.
- 3.2 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.
- 3.3 The following endorsement must be included:

Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

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.

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ANNEX "G"

PWGSC-TPSGC 1205 FORM

FINAL WORK ACCEPTANCE

Acceptance - Acceptation					
Project No. - N° du projet		File No. - N° du dossier		Contract Serial No. - N° de série du contrat	
Vessel – Navire		Owner - Propriétaire		Contractor's Name - Nom de l'entrepreneur	
Specification – Devis					
<p>We the undersigned, certify that the work as outlined in the Specification and Additional Work Arisings has been duly completed in keeping with the terms of the captioned contract.</p> <p>All outstanding items, deviation or deficiencies are as noted on the Appendix form "A" and will be delt with in accordance with the contract terms and conditions.</p>			<p>Nous, soussignés, attestons que le travail exposé dans le Devis et dans les états de travaux additionnels qui en découlent est dûment achevé conformément aux conditions du contrat susmentionné.</p> <p>Tous les postes non terminés, déviations et manquements sont tels qu'ils sont indiqués à l'Appendice (formule A); il sera disposé en conformité des modalités et conditions du contrat.</p>		
For Contractor - Pour l'entrepreneur			Title - Titre		
_____ Signature					
Inspection Authority - Autorité d'inspection			Title - Titre		
_____ Signature					
Owner's Representative - Représentant du propriétaire			Title - Titre		
_____ Signature					
Date			Location - Endroit		
Remarks - Remarques					

PWGSC-TPSGC 1205 (11/09)

ANNEX "H"

STATEMENT OF COMPLIANCE ENFORCEABLE DURING RFP AND RESULTING CONTRACT

By signing this Annex "H", the Bidder(s) and the resulting contract Contractor's certify and agree to the following:

- 1) Deliver all deliverables under contract F7044-200246/001/ML including and without being limited to hard copies, soft copies of any documents or components or equipment.
- 2) Deliver, without any restrictions all passwords, scripts, coding, source codes and programming created or installed during design for the HMI SCADA or DCS software, Programmable Controller software and all software. Including but not limited to HMI SCADA or DCS and Programmable Controller software configured programs and compiled programs required for all diagnostics, support and complete system operation of the CCAMS in source format electronic version.
- 3) Contract F7044-200246/001/ML, Section 2.2, Supplemental General Conditions:
 - i. 4006 (2010-08-16) Contractor to Own Intellectual Property Rights in Foreground Information;
 - ii. 4002 (2010-08-16) Software Development or Modification Services;
 - iii. 4003 (2010-08-16) Licensed Software; and
 - iv. 4004 (2013-04-25) Maintenance and Support Services for Licensed Software.
- 4) All hardware and/or software used/developed must not be subject to the International Traffic in Arms Regulations (ITAR).

Canada **will not** sign any Non Disclosure Agreements (NDA) in order to obtain any of the information requested in Annex "H".

The Statement of Compliance enforceable during RFP and Resulting Contract is applicable during RFP and following Contract Award. It is the responsibility of the Bidder/Contractor to provide all information pertaining to this Statement of Compliance. Canada reserves the right all or any of the information provided by the Bidder/Contractor during RFP and following contract award. If Canada was of the opinion that the information provided does not meet the RFP/Contract, Canada reserves the right to declare the Bidder non-responsive or once in Contract the Contractor will be declared in default and the Contract will be terminated.

As per full text of SACC Manual Clause J1000C (2012-07-16), Termination for Default:

This is further to the Stop Work Order dated _____ (*delete this paragraph if no Stop Work Order was sent by the Contracting Authority*).

In accordance with the unrestricted right of Canada to terminate the Contract for default if the Contractor is in default in carrying out any of its obligations under the Contract, the Contracting Authority notifies the Contractor that the Contract is terminated for default pursuant to section _____, Default by the Contractor, of general conditions _____ on the following grounds:

(*Insert the grounds for terminating the contract for default*).

Solicitation No. - N° de l'invitation
F7044-200246/B
Client Ref. No. - N° de réf. du client
F7044-200246

Amd. No. - N° de la modif.
010
File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

Canada reserves its right under the Contract to charge the Contractor for all losses and damages which Canada may suffer by reason of the default, including any amount in excess of the Contract Price that Canada may be obliged to pay in procuring the goods, services or both elsewhere.

(Insert the following paragraph when the termination relates to performance issues within the scope of the Vendor Performance Corrective Measures Policy)

In accordance with the Vendor Performance Corrective Measure Policy, this termination for default will trigger a Vendor Performance Corrective Measure assessment. In addition, a note indicating that there was a termination for default for this contract will be registered in the Vendor Information Management system.

Signed: _____ **Date:** _____

Company: _____

ANNEX "I"

FINANCIAL BID PRESENTATION AND EVALUATION SHEET

1. EVALUATION OF THE PROPOSED CCAMS

TOTAL EVALUATION PRICE OF THE CCAMS		
ITEM #	DESCRIPTION	EVALUATION PRICE
1	Total Price as per Annex "D", Section 1	\$
2	Total Price as per Annex "D", Section 2	\$
3	Total Price as per Annex "D", Section 3	\$
4	Total Price as per Annex "D", Section 4	\$
5	Total Price as per Annex "D", Section 5	\$
6	Total Price as per Annex "D", Section 6	\$
7	Total Price as per Annex "D", Section 7	\$
8	Total Price as per Annex "D", Section 8	\$
9	Total Price as per Annex "D", Section 9	\$
10	Total Price as per Annex "D", Section 10	\$
11	Total Price as per Annex "D", Section 11	\$
12	Total Price as per Annex "D", Section 12	\$
A	Total Evaluation Price of the CCAMS (Total of lines 1 to 12)	\$

2. EVALUATION OF THE ANNUAL FEE APPLICABLE TO THE CCAMS REMOTE ONLINE AND PHONE CALL SERVICES

Bidder must provide the Annual Fees as requested below:

Bidder Instruction: The Bidder must use the same price (Annual Fee (\$)) of each one of the vessels in RFP, Annex "B" in order to respond to RFP, Annex "I", Financial Bid Presentation and Evaluation Sheet, Section 2.

TOTAL EVALUATION PRICE OF THE ANNUAL FEE APPLICABLE TO THE CCAMS REMOTE ONLINE AND PHONE CALL SERVICES				
ITEM #	DESCRIPTION	ANNUAL FEE	LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY	EVALUATION PRICE (A x B = C)
		A	B	C
1	CCGS A. Leblanc, Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	9	\$
2	CCGS Constable Carrière, Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	8	\$
3	CCGS Caporal Kaëble V.C., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	7	\$
4	CCGS M. Charles M.B., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	6	\$
5	CCGS Captain Goddard M.S.M., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	5	\$
6	CCGS Private Robertson V.C., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	4	\$
7	CCGS G. Peddle S.C., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	3	\$
8	CCGS Corporal Teather C.V., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	2	\$
9	CCGS Corporal McLaren M.M.V., Annual Fee applicable to Remote Online and Phone Call Services for the CCAMS	\$	1	\$
B	Total Evaluation Price of the Annual Fee applicable to the CCAMS Remote Online and Phone Call Services (Total of Lines 1 to 9)			\$

The Bidder must bid the exact same Annual Fee for each one of the MSPV above.

3. EVALUATION OF ADDITIONNAL AND UNSCHEDULED WORK BLENDED LABOUR RATES

The evaluations of the Additional and Unscheduled Work (A/U Work) Blended Labour Rates are made by including estimated amounts of additional person-hours multiplied by the applicable A/U Work Blended Labour Rates and those totals are added to the firm price for the Known Work for evaluation purpose only. The additional amounts of person-hours for A/U Work used for these evaluations are based on historical experiences and there is no minimum or maximum amount of A/U Work nor is there a guarantee of such A/U Work.

3.1 EVALUATION OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED DESIGN, ENGINEERING AND SOFTWARE DEVELOPMENT AND PROGRAMMING, FAT, STWT&T, HAT AND SAT WORK

Bidder must provide Blended Hourly Rates as requested below:

Bidder Instruction: The Bidder must use the Blended Hourly Rates (\$) of RFP, Annex "I", Financial Bid Presentation and Evaluation Sheet, Section 3.1 in order to fill Annex "B", Milestone Payment Schedules, Subsections 1.1.1.1, 2.1.1.1, 2.2.1.1, 2.3.1.1, 2.4.1.1, 2.5.1.1, 2.6.1.1, 2.7.1.1 and 2.8.1.1 The Option tables are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA).

TOTAL PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED DESIGN, ENGINEERING AND SOFTWARE DEVELOPMENT AND PROGRAMMING, FAT, STWT&T, HAT AND SAT WORK				
ITEM #	DESCRIPTION	BLENDED HOURLY RATES	LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY	EVALUATION PRICE (A x B = C)
		A	B	C
1	Regular time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work	\$	750	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Time and One-Half if different than item 1	\$	150	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work: Double Time if different than item 1 and 2	\$	75	\$
C	Total Price of the Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&T, HAT and SAT Work (Total of Lines 1, 2 and 3)			\$

3.2 EVALUATION OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED VESSEL'S INTEGRATION AND INSTALLATION WORK

Bidder must provide Blended Hourly Rates as requested below:

Bidder Instruction: The Bidder must use the Blended Hourly Rates (\$) of RFP, Annex "I", Financial Bid Presentation and Evaluation Sheet, Section 3.2 in order to fill Annex "B", Milestone Payment Schedules, Subsections 1.1.1.2, 2.1.1.2, 2.2.1.2, 2.3.1.2, 2.4.1.2, 2.5.1.2, 2.6.1.2, 2.7.1.2 and 2.8.1.2 The Option tables are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA).

TOTAL EVALUATION PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED VESSEL'S INTEGRATION AND INSTALLATION WORK				
ITEM #	DESCRIPTION	BLENDED HOURLY RATES	LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY	EVALUATION PRICE (A x B = C)
		A	B	C
1	Regular Time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Vessel's Integration and Installation Work	\$	1000	\$
2	Overtime Blended Labor Rate applicable to CCAMS Additional and Unscheduled Vessel's Integration and Installation Work: Time and One-Half if different than item 1	\$	250	\$
3	Overtime Blended Labor Rate applicable to CCAMS Additional and Unscheduled Vessel's Integration and Installation Work: Double Time if different than item 1 and 2	\$	150	\$
D	Total Evaluation Price of the Blended Labor Rate applicable to CCAMS Additional and Unscheduled Vessel's Integration and Installation Work (Total of Lines 1, 2 and 3)			\$

3.3 EVALUATION OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED FIELD SERVICE REPRESENTATIVES (FSR) WORK

Bidder must provide Blended Hourly Rates as requested below:

Bidder Instruction: The Bidder must use the Blended Hourly Rates (\$) of RFP, Annex "I", Financial Bid Presentation and Evaluation Sheet, Section 3.3 in order to fill Annex "B", Milestone Payment Schedules, Subsections 1.1.1.3, 2.1.1.3, 2.2.1.3, 2.3.1.3, 2.4.1.3, 2.5.1.3, 2.6.1.3, 2.7.1.3 and 2.8.1.3 The Option tables are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA).

TOTAL EVALUATION PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO THE CCAMS ADDITIONAL AND UNSCHEDULED FIELD SERVICE REPRESENTATIVES (FSR) WORK				
ITEM #	DESCRIPTION	BLENDED HOURLY RATES	LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY	EVALUATION PRICE (A x B = C)
		A	B	C
1	Regular time Blended Labour Rates applicable to the CCAMS Additional and Unscheduled Field Service Representatives (FSR) Work	\$	750	\$
2	Overtime Blended Labour Rates applicable to the CCAMS Additional and Unscheduled Field Service Representatives (FSR) Work: Time and One-Half if different than item 1	\$	150	\$
3	Overtime Blended Labour Rates applicable to the CCAMS Additional and Unscheduled Field Service Representatives (FSR) Work: Double Time if different than item 1 and 2	\$	75	\$
E	Total Evaluation Price of the Blended Labour Rates applicable to the CCAMS Additional and Unscheduled Field Service Representatives (FSR) Work (Total of Lines 1, 2 and 3)			\$

3.4 EVALUATION OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL SUPPORT, MODIFICATION AND DEVELOPMENT WORK

Bidder must provide Blended Hourly Rates as requested below:

Bidder Instruction: The Bidder must use the Blended Hourly Rates (\$) of RFP, Annex "I", Financial Bid Presentation and Evaluation Sheet, Section 3.4 in order to fill Annex "B", Milestone Payment Schedules, Subsections 1.1.1.4, 2.1.1.4, 2.2.1.4, 2.3.1.4, 2.4.1.4, 2.5.1.4, 2.6.1.4, 2.7.1.4 and 2.8.1.4. The Option tables are subject to an EPA as per Contract, Part 7, Section 6.2 Economic Price Adjustment (EPA).

TOTAL EVALUATION PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO THE CCAMS ADDITIONAL SUPPORT, MODIFICATION AND DEVELOPMENT WORK				
ITEM #	DESCRIPTION	BLENDED HOURLY RATES	LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY	EVALUATION PRICE (A x B = C)
		A	B	C
1	Regular time Blended Labour Rates applicable to the CCAMS Additional Support, Modification and Development Work	\$	750	\$
2	Overtime Blended Labour Rates applicable to the CCAMS Additional Support, Modification and Development Work: Time and One-Half if different than item 1	\$	150	\$
3	Overtime Blended Labour Rates applicable to the CCAMS Additional Support, Modification and Development Work: Double Time if different than item 1 and 2	\$	75	\$
F	Total Evaluation Price of the Blended Labour Rates applicable to the CCAMS Additional Support, Modification and Development Work (Total of Lines 1, 2 and 3)			\$

4. TOTAL EVALUATION PRICE OF THE PROPOSAL

Summation of the above Tables totals A + B + C + D + E + F = \$ _____

Signed: _____ Date: _____

Company: _____

ANNEX “J”

MANDATORY TECHNICAL CRITERIA

Preamble:

1. The MSPVs are in Class with the American Bureau of Shipping (ABS), and ABS must be the Approved Classification Society utilized by the bidder IAW section 8.1 of the SOW Annex “A”.

The Contractor must obtain from ABS and Transport Canada Marine Safety (TCMS) all appropriate Reviews, Approvals and Certifications applicable:

- (a) For each CCAMS and associated components and equipment:

- Preliminary Design Review (PDR);
- Critical Design Review (CDR);
- Factory Acceptance Test (FAT); and
- Sea Acceptance Trials (SAT).

- (b) For each CCAMS Vessel's Integration and Installation:

- CDR;
- Installation of CCAMS and Integration; and
- SAT.

2. A Centralized Control, Alarm and Monitoring System (CCAMS) is described below however this is a high level description and the Bidder must refer to the SOW, Annex “A” for further detail.

A Centralized Control, Alarm and Monitoring System (CCAMS) is a Supervisory Control and Data Acquisition (SCADA) or a Distributed Control System (DCS) and Human Machine Interface (HMI) that collects and provides all mission-critical vessel alarms and input status data to be processed and controlled via redundant Programmable Controllers and remote Input / Output (I/O). This information must be shared with the two (2) redundant PC Servers and the remote Panel PCs network throughout the ship. The communication to all this equipment must be a Profinet or other Ethernet based network which shares information via a redundant ring field bus using network switches.

The CCAMS is a Process Automation System (PAS). A PAS is used to automatically control and monitor a process such as, oil or gas refineries, power plants, water and wastewater treatment, airport systems, pulp and paper factories, ships control and alarm and monitoring systems etc. A PAS is based on open standards Concerning the experience demonstration, projects / contracts based on PAS will be evaluated by Canada.-

3. Canada intends to enter into Contract only with a Bidder that is a CCAMS Alarm Monitoring Original System Designer (AMOSD) Contractor. The CCAMS AMOSD must:
- (a) Use an open architecture design for both SCADA or DCS software and Programmable Controllers to facilitate ease of integration of the system with third party hardware and systems, and have the capability to do software development and related testing of the complete CCAMS or subassemblies used within the proposed CCAMS. AMOSD identity is evidenced by the name appearing on the purchased system and / or on all accompanying drawings, documents and training documentation;
 - (b) Design and integrate with new equipment and existing equipment the complete system and subassemblies used within the proposed CCAMS. The Contractor must retain full system responsibility for all requirements and have sufficient ownership in Intellectual Property rights in the CCAMS in order to grant Canada and Canada's licensees all the rights required under the resulting Contract to complete the Contract Work and any other work for which the Contract grants Canada a license; and
 - (c) All Bidders must submit as part of their response to the Mandatory Technical Criteria, Annex "J", Item MTC1, a CCAMS self-certification regarding the Bidder's authority to provide Canada with the Goods and Services, which must be signed by the CCAMS AMOSD Contractor. AMOSD is not an accreditation. No Contract will be awarded to a Bidder unless the certification has been provided to Canada. It is in Canada's sole discretion to determine whether all the required information has been provided.
4. Bidders must refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
MTC1	Bidder must submit a demonstration that it is a CCAMS Alarm Monitoring Original System Designer (AMOSD). For this, the Bidder must provide an AMOSD self-Certification which will demonstrate that all requirements listed in the above Preamble article 3 are met.			
MTC2	<p>The Bidder's experience will be evaluated based on three (3) projects/contracts done by the Bidder within the last fifteen (15) years.</p> <p>Each project/contract must be a PAS and have at least 300 analogue, digital or internal I/O combined using Programmable Controllers and HMI SCADA or DCS software on ships or other process automation industries.</p> <p>For each project/contract as a minimum the Bidder must submit a demonstration of the following:</p> <ol style="list-style-type: none"> 1. The name of the client / representative; 2. The start date and end date of the project/contract to be provided in the following format: MONTH 			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	(MM) AND YEAR (YYYY); 3. Demonstration of the work performed: A. automation system design and/or upgrade; and B. commissioning. 4. Proof of delivery, installation and acceptance. This may be demonstrated with the Final invoice or Final bill of sale or Final email demonstrating completion of work or Final completed IACS documentation or after delivery in-service contract/agreement.			
MTC3	<p><u>The Bidder must submit a demonstration for A or B</u></p> <p><u>A - BIDDER DEMONSTRATION:</u></p> <p>Bidder must submit a demonstration that it has experience adhering to the ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide for the Management of Alarm Systems by demonstrating either A1 or A2 or A3 or A4:</p> <p>A1 How the proposed CCAMS SCADA or DCS software was used on one (1) past project by the Bidder within the last fifteen (15) years. For the project/contract as a minimum the Bidder must submit a demonstration of the following:</p> <ul style="list-style-type: none"> I. The name of the client / representative; II. The start date and end date of the project/contract; III. Provide a project/contract manual or other delivered document describing the SCADA or DCS software used and created before the posting date of this RFP (F7044-200246/B); and IV. How the SCADA or DCS software has alarm management tools which were developed to adhere to ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 by providing documents created before the posting date of this RFP (F7044-200246/B) describing the tools in the software and relating the tools to one of the standards. For example: <ul style="list-style-type: none"> • printed Web site articles; 			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<ul style="list-style-type: none"> • web pages; • white papers; and • software manuals. <p><u>OR</u></p> <p>A2 The Bidder must submit printed Web site advertising, articles, white papers or documents created before the posting date of this RFP (F7044-200246/B) that states the Bidder has used ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 for developing Alarm management for PASs.</p> <p><u>OR</u></p> <p>A3. The Bidder must submit one (1) past project by the Bidder within the last fifteen (15) years delivered where the client, or the industry, or industries' insurance required adherence to one of the standards or a standard derived from ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide created before the posting date of this RFP (F7044-200246/B). For the project/contract as a minimum the Bidder must submit a demonstration of the following:</p> <ol style="list-style-type: none"> The name of the client / representative; The start date and end date of the project/contract; and Provide a project/contract manual, deliverable, specification or any document showing the client, or the industry, or industries' insurance required adherence to one of the standards, or a standard that can be proven to be derived from ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide. <p><u>OR</u></p> <p>A4. The Bidder must demonstrate one (1) past PASs' project by the Bidder within the last fifteen (15) years has alarm management design or lifecycle documentation containing practices for determining, documenting, designing, operating, monitoring, and maintaining alarm systems known as the alarm management lifecycle stages. For the project/contract as a minimum the Bidder must submit a demonstration of the following:</p> <ol style="list-style-type: none"> The name of the client / representative; The start date and end date of the 			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<p>project/contract; and</p> <p>III. Provide a project/contract manual, deliverable, specification or any document created for the above project showing key lifecycle stages created when designing and maintaining the alarm system as per the ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide.</p> <p>For example:</p> <ul style="list-style-type: none"> Alarm Philosophy; Rationalization; Monitoring & assessment; Management of change; and Audit. <p><u>OR</u></p> <p><u>B - BIDDERS' SUBCONTRACTOR'S DEMONSTRATION:</u></p> <p>Bidder must provide the following information on its Subcontractor (Engineering Firm or Other):</p> <ol style="list-style-type: none"> Subcontractor's Name; and Names of the Subcontractor's Employee(s), and a copy of their university engineering bachelor's degree(s) or college diploma(s) certificate in electrical, electronic or computer engineering or in electrical or electronic technology, complete with name of institution, and year of completion. <p>AND</p> <p>If the Bidder cannot submit a demonstration that it has experience adhering to the ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide for the Management of Alarm Systems the Bidder must demonstrate that it's Subcontractor (Engineering Firm or Other) has experience adhering to the ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide for the Management of Alarm Systems by demonstrating either B1 or B2 or B3 or B4 and the following:</p> <p>B1 How the proposed CCAMS SCADA or DCS software</p>			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<p>was used on one (1) past project by the Bidder's Subcontractor within the last fifteen (15) years. For the project/contract as a minimum the Subcontractor must submit a demonstration of the following:</p> <ol style="list-style-type: none"> I. The name of the client / representative; II. The start date and end date of the project/contract; III. Provide a project/contract manual or other delivered document describing the SCADA or DCS software used and created before the posting date of this RFP (F7044-200246/B); and IV. How the SCADA or DCS software has alarm management tools which were developed to adhere to ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 by providing documents created before the posting date of this RFP (F7044-200246/B) describing the tools in the software and relating the tools to one of the standards. <p>For example:</p> <ul style="list-style-type: none"> • printed Web site articles; • web pages; • white papers; and • software manuals. <p><u>OR</u></p> <p>B2 The Bidder's Subcontractor must submit printed Web site advertising, articles, white papers or documents created before the posting date of this RFP (F7044-200246/B) that states the Bidder's Subcontractor has used ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 for developing Alarm management for PASSs.</p> <p><u>OR</u></p> <p>B3 The Bidder's Subcontractor must submit one (1) past project by the Bidder's Subcontractor within the last fifteen (15) years delivered where the client, or the industry, or industries' insurance required adherence to one of the standards or a standard derived from ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide created before the posting date of this</p>			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<p>RFP (F7044-200246/B). For the project/contract as a minimum the Bidder's Subcontractor must submit a demonstration of the following:</p> <ol style="list-style-type: none"> I. The name of the client / representative; II. The start date and end date of the project/contract; and III. Provide a project/contract manual, deliverable, specification or any document showing the client, or the industry, or industries' insurance required adherence to one of the standards, or a standard that can be proven to derived from ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide. <p><u>OR</u></p> <p>B4 The Bidder's Subcontractor must demonstrate one (1) past PASs' project by the Bidder's Subcontractor within the last fifteen (15) years has alarm management design or lifecycle documentation containing practices for determining, documenting, designing, operating, monitoring, and maintaining alarm systems known as the alarm management lifecycle stages. For the project/contract as a minimum the Bidder's Subcontractor must submit a demonstration of the following:</p> <ol style="list-style-type: none"> I. The name of the client / representative; II. The start date and end date of the project/contract; and III. Provide a project/contract manual, deliverable, specification or any document created for the above project showing key lifecycle stages created when designing and maintaining the Alarm system as per the ANSI/ISA-18.2, or EEMUA 191, or IEC 62682 standards/guide. <p>For example:</p> <ul style="list-style-type: none"> • Alarm Philosophy; • Rationalization; • Monitoring & assessment; • Management of change; and • Audit. 			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
MTC4	<p><u>The Bidder must submit a demonstration for A or B</u></p> <p><u>A - BIDDER DEMONSTRATION:</u></p> <p>Bidder must demonstrate that it has developed and delivered one (1) project/contract using IEC 61131 programming languages to execute alarm logic within the last fifteen (15) years by demonstrating the following:</p> <ol style="list-style-type: none"> 1. Provide the Bidder's written standard or a Programmable Controllers program sample from a Centralized Control System or Alarm and Monitoring System or PAS utilizing IEC 61131 programming languages. 2. The Programmable Controller programming should have rung, function block, line and routine comments regardless of program structure. The I/O must have real world device tag names and alias bits using the tag names of the devices used that will explain the logic. 3. The I/O naming within coding should be relatable (or identical) to naming used in system drawings/schematics. 			
	<p><u>OR</u></p> <p><u>B - BIDDERS' SUBCONTRACTOR'S DEMONSTRATION:</u></p> <p>Bidder must provide the following information on its Subcontractor (Engineering Firm or Other):</p> <ol style="list-style-type: none"> a. Subcontractor's Name; and b. Names of the Subcontractor's Employee(s), and a copy of their university engineering bachelor's degree(s) or college diploma(s) certificate in electrical, electronic or computer engineering or in electrical or electronic technology, complete with name of institution, and year of completion. <p>And</p> <p>If the Bidder cannot submit a demonstration that it has developed and delivered one (1) project/contract using IEC 61131 programming languages to execute alarm logic, the Bidder must demonstrate that it's Subcontractor (Engineering Firm or Other) has developed and delivered one (1) within the last fifteen (15) years by demonstrating the following:</p>			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<ol style="list-style-type: none"> 1. Provide the Bidder's Subcontractor's written standard or a Programmable Controllers program sample from a Centralized Control System or Alarm and Monitoring System or PAS utilizing IEC 61131 programming languages. 2. The Programmable Controller programming should have rung, function block, line and routine comments regardless of program structure. The I/O must have real world device tag names and alias bits using the tag names of the devices used that will explain the logic. 3. The I/O naming within coding should be relatable (or identical) to naming used in system drawings/schematics. 			
MTC5	<p><u>The Bidder must submit a demonstration for A or B</u></p> <p><u>A - BIDDER DEMONSTRATION:</u></p> <p>Bidder must demonstrate that they developed and delivered one (1) International Association of Classification Societies (IACS) approved Alarm and Monitoring System of similar complexity with at least 300 analogue, digital or internal I/O combined in the last fifteen (15) years.</p> <p>AND</p> <p>As a minimum the Bidder must demonstrate the following:</p> <ol style="list-style-type: none"> 1. Provide copies of letter of final acceptance and approval, of a delivered system by an IACS member. <p>OR</p> <ol style="list-style-type: none"> 2. Provide IACS stamped "As-fitted" drawings for the delivered system above. <p><u>OR</u></p> <p><u>B - BIDDERS' SUBCONTRACTOR'S DEMONSTRATION:</u></p> <p>Bidder must provide the following information on its Subcontractor (Engineering Firm or Other):</p> <ol style="list-style-type: none"> a. Subcontractor's Name; and b. Names of the Subcontractor's Employee(s), and a copy of their university engineering bachelor's degree(s) or college diploma(s) certificate in 			

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		Yes	No	
	<p>electrical, electronic or computer engineering or in electrical or electronic technology, complete with name of institution, and year of completion.</p> <p>And</p> <p>If the Bidder cannot demonstrate that it has developed and delivered one (1) IACS approved Alarm and Monitoring System of similar complexity with at least 300 analogue, digital or internal I/O combined in the last fifteen (15) years, the Bidder must demonstrate that its Subcontractor (Engineering Firm or Other) has developed and delivered one (1). In order to achieve this demonstration, the Bidder must:</p> <ol style="list-style-type: none"> 1. Provide copies of letter of final acceptance and approval, of a delivered system by an IACS member. <p>OR</p> <ol style="list-style-type: none"> 2. Provide IACS stamped "As-fitted" drawings for the delivered system above. 			
MTC6	<p>Bidder must provide two (2) Curriculum Vitae (CV) for two (2) employees currently employed with the Bidder who have the following Education and Work Experience. The Bidder must also provide a confirmation that he will maintain for the duration of the Contract at least two (2) employees having the following Education and Work Experience.</p> <ol style="list-style-type: none"> 1. Education <ol style="list-style-type: none"> A. One employee of the Bidder must have at least a university engineering bachelor's degree in electrical, electronic or computer engineering. B. One employee of the Bidder must either have a college diploma as an electrical or electronic technologist or a university engineering or computer science degree. C. For each employee, the Bidder must provide a copy of the degree or diploma certificate, complete with name of institution, year of completion. 2. Work Experience <ol style="list-style-type: none"> A. Each of the employees identified in MTC6, Section 1 - Education must have a minimum of five (5) years of demonstrated work 			

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
	<p>experience in Programmable Controller programing and configuring SCADA or DCS software on similar or of higher complexity project(s)/contract(s) as described in the CCAMS SOW.</p> <p>B. The start dates and end dates of each project(s)/contract(s) to demonstrate years of experience, and it is to be provided in the following format: MONTH (MM) AND YEAR (YYYY).</p>			
MTC7	<p>Bidder must demonstrate that it has delivered a simulation of a Centralized Control System or an Alarm and Monitoring System or a PAS with at least 300 analogue, digital or internal I/O combined using Programmable Controllers and HMI SCADA or DCS software for a Factory Acceptance Test (FAT) by providing the completed FAT Inspection and Test Plans (FAT ITP) and applicable drawings within the last fifteen (15) years.</p>			
MTC8	<p>1. Bidder must submit a confirmation that the sole Classification Society it intends to use for the CCAMS project will be ABS IAW the section 8.1.1 and 8.1.2 of the SOW Annex "A".</p> <p><u>AND</u></p> <p>2. Bidder must submit all deliverables listed in the CCAMS BDR package IAW SOW Annex "A" DID-EN-10.</p>			
MTC9	<p>Bidder must submit a demonstration that the proposed CCAMS meet the System Requirements by demonstrating the selected items in section 6.4 of the SOW Annex "A".</p> <p>i. SOW section 6.4.2 - Bidder must submit components and equipment list to demonstrate COTS equipment must be supported by a North American distributors.</p> <p><u>AND</u></p> <p>ii. SOW section 6.4.5 - Bidder must submit a demonstration that the proposed CCAMS HMI SCADA or DCS software has alarm management tools that help monitor and deliver an Alarm and Monitoring System adhering to ANSI/ISA-18.2, or EEMUA 191, or IEC 62682</p>			

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		Yes	No	
	<p>standards/guide for the Management of Alarm Systems.</p> <p>As an example, this can be demonstrated by showing software alarm management tools such as:</p> <ul style="list-style-type: none"> • Nuisance Alarm (Bad Actor) reporting tools • Alarm Priority Distribution tools • Alarm flood analysis tools • Alarm performance report and filter tools • Alarm analysis tools • Disabled alarm reports • Alarm shelving tools • Alarm history reports 			
MTC10	<p>Bidder must submit a demonstration that the proposed CCAMS meet the Programmable Controllers, Remote Panel PCs, PC Servers, Monitors, Fully Rugged Laptop and Printer Requirements by demonstrating the selected sections in 6.5 of the SOW Annex "A":</p> <ul style="list-style-type: none"> i. SOW section 6.5.10; ii. SOW section 6.5.11; iii. SOW section 6.5.13; and iv. SOW section 6.5.15. <p>As an example, this can be demonstrated by providing a components and equipment list IAW DID-EN-10, equipment specification sheets, type certificates, written justification, or other documentation that meets the requirements of these SOW sections.</p>			
MTC11	<p>Bidder must submit a demonstration that the proposed CCAMS meet the Programmable Controller's Open Architecture requirements, & the Programming Requirements using IEC 61131 programming language, by demonstrating the selected sections in 6.6 of the SOW Annex "A":</p> <ul style="list-style-type: none"> i. SOW section 6.6.1; and ii. SOW section 6.6.2. <p>As an example, this can be demonstrated by providing a</p>			

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		Yes	No	
	components and equipment List IAW DID-EN-10, equipment specification sheets, type certificates, written justification, or other documentation that meets the requirements of these SOW sections.			
MTC12	<p>Bidder must submit a demonstration that the proposed CCAMS meet the HMI SCADA or DCS requirements by demonstrating the selected items in section 6.7 of the SOW Annex "A".</p> <ul style="list-style-type: none"> i. SOW section 6.7.5 – Demonstrate that the CCAMS HMI SCADA or DCS will have an open architecture design that will be incorporated throughout the HMI programming. ii. SOW section 6.7.8 – Demonstrate that the CCAMS remote Panel PCs located throughout the ship will have the capability of being backup servers for the CCAMS. The CCAMS HMI SCADA or DCS must support client server architecture and redundant servers. The remote Panel PCs must be able to continue to operate the CCAMS without the PC Server in control online. iii. SOW section 6.7.11 – Demonstrate that the CCAMS HMI SCADA or DCS will support remote access and viewing via a web server/thin client interface over an Intranet or Internet TCP/IP connection. 			
MTC13	<p>Bidder must submit a demonstration that the proposed CCAMS meet the Network Requirements by demonstrating the selected items in section 6.8 of the SOW Annex "A":</p> <ul style="list-style-type: none"> i. SOW section 6.8.3; ii. SOW section 6.8.4; iii. SOW section 6.8.5; iv. SOW section 6.8.6; and v. SOW section 6.8.10. <p>As an example, this can be demonstrated by providing a components and equipment list IAW DID-EN-10, equipment specification sheets, type certificates, written justification, or other documentation that meets the requirements of these SOW sections.</p>			

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		Yes	No	
MTC14	<p>Bidder must submit a demonstration that the proposed CCAMS meet the Network Communication Requirements by demonstrating the selected items in section 6.9 of the SOW Annex "A":</p> <ul style="list-style-type: none"> i. SOW section 6.9.1; ii. SOW section 6.9.3; and iii. SOW section 6.9.6. <p>As an example, this can be demonstrated by providing a components and equipment list IAW DID-EN-10, equipment specification sheets, type certificates, written justification, or other documentation that meets the requirements of these SOW sections.</p>			
MTC15	<p>Bidder must submit a demonstration that the proposed CCAMS meet the IEC 62443 security standards for SCADA or DCS software, by providing security certification IAW with the requirements of section 6.11.3.iii of SOW Annex "A".</p>			
MTC16	<p>Bidder must submit a demonstration that the proposed CCAMS meet the Requirements for Remote I/O Interface by demonstrating the selected items in section 6.13 of the SOW Annex "A":</p> <ul style="list-style-type: none"> i. SOW section 6.13.2; ii. SOW section 6.13.3; and iii. SOW section 6.13.4. <p>As an example, this can be demonstrated by providing a components and equipment list IAW DID-EN-10, equipment specification sheets, type certificates, written justification, or other documentation that meets the requirements of these SOW sections.</p>			
MTC17	<p>Bidder must submit a demonstration that they have produced on a past project an Integration and Installation, and Technical Documentation Package similar to the requirements of DID-EN-07 of the SOW Annex "A", within the last fifteen (15) years.</p>			
MTC18	<p>Bidder must submit a demonstration that it has previously provided Remote Phone Call Services on a past project, meeting the requirements of each of the items in section 9.2.1 of the SOW Annex "A".</p>			
MTC19	<p>Bidder must submit a demonstration that it has previously</p>			

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		Yes	No	
	provided Remote Online services on a past project, meeting the requirements of each of the items section 9.2.2 of the SOW Annex "A".			
MTC20	Bidder must submit a demonstration that it has previously provided Field Service Representative services on a past project, meeting each of the items in section 9.2.3 of the SOW Annex "A".			
MTC21	Bidder must submit a demonstration that they have produced one (1) Operation and Troubleshooting user manual, in English, similar to the requirements in the SOW Annex "A" DID-EN-08 – subsection 4.a in the last fifteen (15) years.			
MTC22	Bidder must submit a demonstration that they have produced two (2) course outlines and two (2) training manuals, in English in the last fifteen (15) years for PASs with at least 300 analogue, digital or internal I/O combined using Programmable Controllers and HMI SCADA or DCS software on ships or other process automation industries.			
MTC23	<p>Bidder must submit a demonstration that it has in place a Quality Management System (QMS) developed in accordance with ISO 10005:2018 "Quality management systems - Guidelines for quality plans. In order to achieve this demonstration, the Bidder must:</p> <ol style="list-style-type: none"> 1. Provide its valid ISO 9001 certification, if applicable; 2. Provide an example of its Quality Control Plan (QCP) as applied on one (1) past project/contract in the last fifteen (15) years; 3. Samples of the Inspection and Test Plans (ITP) developed IAW QCP's in 2 above; and 4. Samples of Inspection Reports IAW ITP in 3 above. 			
MTC24	<p>Bidder must submit a preliminary Project Management Plan with a work breakdown structure (WBS) similar to the requirements of SOW Annex "A" DID-PM-01, but with a WBS to level 2.</p> <p>The preliminary Project Management Plan must clearly articulate how the bidder proposes to achieve a scheduled timeline for all the items of the proposed Delivery Schedules Annex "C" for the initial contract and this within the periods requested by Canada.</p>			

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010
File No. - N° du dossier
065ml.F7044-200246

Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

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		Yes	No	
MTC25	Bidder must include a completed Statement of Compliance, which must indicate that their technical proposal is compliant to all SOW sections outlined in the Statement of Compliance. The Statement of Compliance is included in Annex "K".			
MTC26	Bidder must include a completed Statement of Compliance Enforceable During RFP and Resulting Contract, which must be signed by the Bidder. The Statement of Compliance Enforceable During RFP and Resulting Contract is included in Annex "H".			

ANNEX "K"

EXAMPLE OF A STATEMENT OF COMPLIANCE TO THE SOW IN A REQUIREMENT MATRIX FORMAT

Bidder's Instruction: The Bidder must prepare a Statement of Compliance for all sections of the Statement of Work (SOW). This example does not list all sections and is given to facilitate the preparation of the Requirement Matrix Format.

SOW SECTION #	SOW PARAGRAPH TITLE	COMPLIANCE	CROSS REFERENCE IN BIDDER'S PROPOSAL	COMMENTS
1.1	Purpose	Comply	Read and understood	
1.2	Background	Comply	Read and understood	
1.3	Objectives of the CCAMS Procurement	Comply	Read and understood	
6.3	CCAMS General Design Requirements	Comply	Read and understood	
6.4	System Requirements	Comply	<i>It recommended that the bidders use the same breakdown of the SOW. Bidder must place here the reference # of its proposal where will appear the exhaustive descriptions, detailed examples and supporting documents proving that its proposal meets the requirements of the article 6.4 of the SOW</i>	See answers to Mandatory Technical Criteria # 6 of the Annex "K" in our Proposal
12.4.2-DID-EN-05	Vessel's Integrations Engineering Change Specifications and Drawings Packages	Comply	Read and understood	See the description on how this requirement will be achieved in our proposal section? , article? para ?

ANNEX "L"

to PART 5 - BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC) – Labour's website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

OR

- ☐ B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed Annex "L" Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions).

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Buyer ID - Id de l'acheteur
065ml
CCC No./N° CCC - FMS No./N° VME

ANNEX "M"

ELECTRONIC PAYMENT INSTRUMENTS

1. Electronic Payment Instruments

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

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit;
- ☐ Electronic Data Interchange (EDI); and
- ☐ Wire Transfer (International Only).