



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**  
11 Laurier St. / 11, rue Laurier  
Place du Portage , Phase III  
Core 0B2 / Noyau 0B2  
Gatineau  
Québec  
K1A 0S5  
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> Centralized Control and Alarm Monitoring System (CCAMS) MSPV CCG	
<b>Solicitation No. - N° de l'invitation</b> F7044-200246/A	<b>Date</b> 2022-07-25
<b>Client Reference No. - N° de référence du client</b> F7044-200246	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$ML-065-28754	
<b>File No. - N° de dossier</b> 065ml.F7044-200246	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT <b>on - le 2022-09-29</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Manzer, Carson	<b>Buyer Id - Id de l'acheteur</b> 065ml
<b>Telephone No. - N° de téléphone</b> (343) 551-4953 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**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

<b>Delivery Required - Livraison exigée</b> See Herein – Voir ci-inclus	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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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 and PLC software 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.

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

**1.2.2.1.** Options for additional quantities:

The contract will include the following options for additional quantities:

- I. A first (1<sup>st</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2<sup>nd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3<sup>rd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4<sup>th</sup>) 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 (5<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Corporal Teather; and
- VIII. A eighth (8<sup>th</sup>) 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 Kaeble 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 (8<sup>th</sup>) 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 (1<sup>st</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2<sup>nd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3<sup>rd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4<sup>th</sup>) 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 (5<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7<sup>th</sup>) 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 (8<sup>th</sup>) 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**

<b>INITIAL CONTRACT CCAMS REPLACEMENT FOR CCGS A. Leblanc</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Contract Award (CA)</b>
C1	CONTRACT AWARD MEETING (if required)	5
1	DESIGN PHASE, VESSEL SITE VISIT	10
2	CONTRACTOR'S KICK-OFF MEETING	10
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	25
4	PRELIMINARY DESIGN REVIEW (PDR) MEETING	84
5	CRITICAL DESIGN REVIEW (CDR) MEETING	120
6	FAT OF THE CCAMS – AT FACTORY	126
7	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	126
8	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	136
9	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	136
10	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	141
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)	171
12	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	176

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13	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	186
14	FINAL WORK ACCEPTANCE OF THE CCAMS	191

**1.5.2. 1<sup>ST</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Constable Carrière**

<b>1<sup>ST</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Constable Carrière</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.3. 2<sup>nd</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Caporal Kaeble V.C.**

<b>2<sup>nd</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Caporal Kaeble V.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.4. 3<sup>rd</sup> OPTION - DELIVERY SCHEDULE FOR CCGS M. Charles M.B.**

<b>3<sup>rd</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS M. Charles M.B.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.5. 4<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Captain Goddard M.S.M.**

<b>4<sup>th</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Captain Goddard M.S.M.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.6. 5<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Private Robertson V.C.**

<b>5<sup>th</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Private Robertson V.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.7. 6<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS G. Peddle S.C.**

<b>6<sup>th</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS G. Peddle S.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.8. 7<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Corporal Teather C.V.**

<b>7<sup>th</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal Teather C.V.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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	47
6	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	47
7	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	52
8	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	57
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)	82
10	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	87
11	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	87
12	FINAL WORK ACCEPTANCE OF THE CCAMS	92

**1.5.9. 8<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Corporal McLaren M.M.V.**

<b>8<sup>th</sup> OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal McLaren M.M.V.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
C1	CONTRACT AWARD MEETING (if required)	5
1	DESIGN PHASE, VESSEL SITE VISIT	10
2	CONTRACTOR'S KICK-OFF MEETING	10
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	25
4	PRELIMINARY DESIGN REVIEW (PDR) MEETING	84
5	CRITICAL DESIGN REVIEW (CDR) MEETING	120
6	FAT OF THE CCAMS – AT FACTORY	126
7	DELIVERY OF CADRE TRAINING PACKAGE AND PLANNING	136
8	DELIVERY OF THE CCAMS COMPONENTS AND ALL RELATED EQUIPMENT TO CCG	136
9	IMPLEMENTATION AND INSTALLATION OF THE CCAMS (ENTIRE INSTALLATIONS OF THE CCAMS READY TO SET TO WORK TESTS AND TRIALS)	141
10	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)	171
11	DELIVERY OF THE CCAMS CADRE TRAININGS (COMPLETION OF ALL CADRE TRAINING IAW CADRE TRAINING PACKAGES CDRL-LOG-01)	176
12	PHYSICAL CONFIGURATION AUDIT PACKAGE MEETING	186
13	FINAL WORK ACCEPTANCE OF THE CCAMS	191

### **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 (2020-05-28) 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 (2019-03-04) Transmission by facsimile or by epost Connect and replace by the following article:

08 Transmission by epost Connect

1. Bids transmitted by facsimile, File Transfer Protocol (FTP) website or email other than epost Connect, will not be accepted.
2. epost Connect
  - a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the epost Connect service provided by Canada Post Corporation.
    - i. PWGSC, National Capital Region: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC headquarters is: [tpsgc.dgareceptiondessoumissions-abbidReceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessoumissions-abbidReceiving.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 epost Connect for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.
  - b. To submit a bid using epost 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 epost Connect provided by Canada Post Corporation; or
    - ii. send as early as possible, and in any case, at least six business days prior to the 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 an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.
  - c. If the Bidder sends an email requesting epost Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate an epost Connect conversation. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the 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 epost 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 epost Connect message field of all electronic transfers.
  - f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should 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 epost Connect service.
  - g. For bids transmitted by epost 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 epost 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 epost Connect service.
- h. A bid transmitted by epost 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: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

[tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)

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

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 Institute of Ocean Sciences (IOS) Building, 9860 W Saanich Rd, Sidney, BC on September 8<sup>th</sup>, 2022, at 0900 PDT in the IOS Drawing Office 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 September 7<sup>th</sup>, 2022 at 0900 PDT onboard CCGS Captain Goddard M.S.M., tied up alongside at the Canadian Coast Guard Base, 9860 W Saanich Rd, Sidney, BC.

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 crew 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 crew 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 **epost 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, in PDF format.

- 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 Statement of Compliance to the SOW in a requirement matrix format as per example provided by the Annex "K";
- (c) A duly completed Annex "J" Mandatory Technical Criteria; and
- (d) A duly completed Annex "C" Delivery Schedules.

## **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.

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;
- (d) Duly completed Annex "D", Detailed Prices Breakdown; and
- (e) Duly completed **and signed** Annex "I", Financial Bid Presentation and Evaluation Sheet.

### **- 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 Statement of Compliance to the SOW in a requirement matrix format as per example provided by the Annex "K";
- (c) A duly completed Annex "J" Mandatory Technical Criteria; and
- (d) A duly completed Annex "C" Delivery Schedules.

#### **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.

### **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.

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

Amd. No. - N° de la modif.  
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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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.

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

Amd. No. - N° de la modif.  
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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## **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 and PLC software 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.

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

**1.1.2.1.** Options for additional quantities:

The contract includes the following options for additional quantities:

- I. A first (1<sup>st</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2<sup>nd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3<sup>rd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4<sup>th</sup>) 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 (5<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6<sup>th</sup>) 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 (8<sup>th</sup>) 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**

<b>Vessel Name</b>	<b>CCG Region</b>	<b>Canadian Coast Guard Base</b>
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 Kaeble 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 (1<sup>st</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Constable Carrière;
- II. A second (2<sup>nd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Caporal Kaeble V.C.;
- III. A third (3<sup>rd</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS M. Charles M.B.;
- IV. A fourth (4<sup>th</sup>) 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 (5<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS Private Robertson V.C.;
- VI. A sixth (6<sup>th</sup>) option is for the procurement of one (1) new CCAMS to replace the Existing CCAMS onboard CCGS G. Peddle S.C.;
- VII. A seventh (7<sup>th</sup>) 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 (8<sup>th</sup>) 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.

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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.

## 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) (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 (2021-12-02) 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.
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

“The warranty period for all software developed will be IAW Supplemental General Conditions 4002 (2010-08-16), Article 12.”

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**

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**

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 twenty four (24) months 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**

### **2.2.4. 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 (1<sup>st</sup>) 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 Kaeble 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 (2<sup>nd</sup>) 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 Kaeble 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 (3<sup>rd</sup>) 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 (4<sup>th</sup>) 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
<b>Initial Contract</b>	
A. Leblanc	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
<b>Options</b>	
Constable Carrière	15 rue de Prince Sorel-Tracy, QC Canada J3P 4J4
Caporal Kaeble 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

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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
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.

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

Amd. No. - N° de la modif.  
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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#### 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: \_\_\_\_\_

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

Amd. No. - N° de la modif.  
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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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.

## 6. Payment

### 6.1. Basis of Payment – Firm Prices

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 (1<sup>st</sup>) 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; and
- Profit: zero (0) percent of authorized Material and Subcontracts costs.

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

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"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 Vessel, 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 (90) percent 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. The ten (10%) percent 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 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 payment has been submitted.

#### **6.5. Warranty Holdback**

1. A Warranty Holdback of five (5%) percent of each MSPV CCAMS total price as per last amendment (GST/HST excluded) will apply to the Final Work Acceptance (FWA) claim for payment.
2. 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 payment 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.)

## 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.

## 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;
- (e) the supplemental general conditions 1029 (2018-12-06), Ship Repairs;
- (f) the general conditions 2030 (2021-12-02), General Conditions - Higher Complexity – Goods as amended by this contract;
- (g) 1031-2 (2012-07-16), Contract Cost Principles;
- (h) Annex "A", Statement of Work;
- (i) Annex "B", Milestone Payment Schedules;
- (j) Annex "C", Delivery Schedules;
- (k) Annex "D", Detailed Prices Breakdown;
- (l) Annex "E", Procedure for Processing Additional / Unscheduled Work;
- (m) Annex "F", Insurance Requirements;
- (n) Annex "G", PWGSC 1205 Form, Final Work Acceptance;
- (o) Annex "H", NSOP 528: Covid-19 – Procedure for Visitors to Canadian Coast Guard Premises;
- (p) Annex "I", Financial Bid Presentation and Evaluation Sheet;

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- (q) Annex "J", Mandatory Technical Criteria;
  - (r) Annex "K", Example of a Statement of Compliance to the SOW in a Requirement Matrix Format;
  - (s) Annex "L", Federal Contractors Program for Employment Equity - Certification;
  - (t) Annex "M", Electronic Payment Instruments; and
  - (u) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: "* \_\_\_\_\_ *" or "* \_\_\_\_\_ *"*, 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.

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## **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 (\$)	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			
9	Delivery and Acceptance of Spare parts, as per Annex "D", Section 8A			

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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			
<b>A</b>	<b>TOTAL PRICE FOR THE CCGS A. LEBLANC</b>			<b>\$</b>

**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**

<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES (\$)</b>
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	\$

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

<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES (\$)</b>
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**

<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES (\$)</b>
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. OPTIONS**

**2.1. 1<sup>st</sup> Option - CCAMS for the CCGS Constable Carrière**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			
11	Cadre Trainings and Training Documentation			

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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			
<b>B</b>	<b>TOTAL PRICE FOR THE CCGS CONSTABLE CARRIÈRE</b>			<b>\$</b>

**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	\$

**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	\$

**2.2. 2<sup>nd</sup> Option - CCAMS for the CCGS Caporal Kaeble V.C.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			
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			

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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			
<b>C</b>	<b>TOTAL PRICE FOR THE CCGS CAPORAL KEABLE V.C.</b>			<b>\$</b>

**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	\$

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

<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES (\$)</b>
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**

<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES</b>
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. 3<sup>rd</sup> Option - CCAMS for the CCGS M. Charles M.B.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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 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			

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11B	As per Annex "D", Section 11 D2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12D			
<b>D</b>	<b>TOTAL PRICE FOR THE CCGS M. CHARLES M.B.</b>			<b>\$</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	BLENDDED 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	BLENDDED 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	\$

**2.4. 4<sup>th</sup> Option - CCAMS for the CCGS Captain Goddard M.S.M.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			

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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			
11B	As per Annex "D", Section 11 E2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12E			
<b>E</b>	<b>TOTAL PRICE FOR THE CCGS CAPTAIN GODDARD M.S.M.</b>			<b>\$</b>

**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	BLENDÉD 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	BLENDÉD 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. 5<sup>th</sup> Option - CCAMS for the CCGS Private Robertson V.C.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			
5	Acceptance of the Integration and Installation			

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	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			
<b>F</b>	<b>TOTAL PRICE FOR THE CCGS PRIVATE ROBERTSON V.C.</b>			<b>\$</b>

**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	BLENDÉD 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	BLENDÉD 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	BLENDÉD 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. 6<sup>th</sup> Option - CCAMS for the CCGS G. Peddle S.C.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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 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			

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11B	As per Annex "D", Section 11 G2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12G			
<b>G</b>	<b>TOTAL PRICE FOR THE CCGS G. PEDDLE S.C.</b>			<b>\$</b>

**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	\$

**2.7. 7<sup>th</sup> Option - CCAMS for the CCGS Corporal Teather C.V.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			

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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			
11B	As per Annex "D", Section 11 H2			
12	Contractor's On Site Project Management, as per Annex "D", Section 12H			
H	<b>TOTAL PRICE FOR THE CCGS CORPORAL TEATHER C.V.</b>			<b>\$</b>

**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	\$

**2.8. 8<sup>th</sup> Option - CCAMS for the CCGS Corporal McLaren M.M.V.**

#	Milestone	Firm Amount (\$)	Holdback (\$)	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			

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5	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 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			
I	<b>TOTAL PRICE FOR THE CCGS CORPORAL MCLAREN M.M.V.</b>			<b>\$</b>

**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	BLENDDED 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	BLENDDED 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	BLENDDED 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	\$

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

**Note:** - The Holdback shall be of 10 % (ten percent) on every Milestone of all Tables above; and  
 - All provided prices shall be before GST or HST, as applicable.

### 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 50% of the Annual Fee six (6) months after the Option is exercised and the remaining 50% of the Annual Fee shall be invoiced at the end of each exercised Option.

#### 3.1. CCGS A. Leblanc

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

#### 3.2. CCGS Constable Carrière

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

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**3.3. CCGS Caporal Kaeble V.C.**

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

**3.4. CCGS M. Charles M.B.**

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

**3.6. CCGS Private Robertson V.C.**

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

**3.8. CCGS Corporal Teather C.V.**

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

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**3.9. CCGS Corporal McLaren M.M.V.**

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

## ANNEX "C"

### DELIVERY SCHEDULES

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

<b>INITIAL CONTRACT</b>		
<b>CCAMS REPLACEMENT FOR CCGS A. Leblanc</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Contract Award (CA)</b>
C1	CONTRACT AWARD MEETING (if required)	
1	DESIGN PHASE, VESSEL SITE VISIT	
2	CONTRACTOR'S KICK-OFF MEETING	
3	SYSTEM REQUIREMENT REVIEW (SRR) MEETING	
4	PRELIMINARY DESIGN REVIEW (PDR) MEETING	
5	CRITICAL DESIGN REVIEW (CDR) MEETING	
6	FAT OF THE CCAMS – AT FACTORY	
7	STRIP-OUT OF THE EXISTING CCAMS WITH THEIR ASSOCIATED COMPONENTS AND EQUIPMENT	
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	

**2. 1<sup>ST</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Constable Carrière**

<b>FIRST (1<sup>st</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Constable Carrière</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 2<sup>nd</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Caporal Kaeble V.C.**

<b>SECOND (2<sup>nd</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Caporal Kaeble V.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 3<sup>rd</sup> OPTION - DELIVERY SCHEDULE FOR CCGS M. Charles M.B.**

<b>THIRD (3<sup>rd</sup>) OPTION OF QUANTITY ONE (1) CCAMS REPLACEMENT FOR CCGS M. Charles M.B.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 4<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Captain Goddard M.S.M.**

<b>FOURTH (4<sup>th</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Captain Goddard M.S.M.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 5<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Private Robertson V.C.**

<b>FIFTH (5<sup>th</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Private Robertson V.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 6<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS G. Peddle S.C.**

<b>SIXTH (6<sup>th</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS G. Peddle S.C.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 7<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Corporal Teather C.V.**

<b>SEVENTH (7<sup>th</sup>) OPTION OF QUANTITY</b>		
<b>ONE (1) CCAMS REPLACEMENT FOR CCGS Corporal Teather C.V.</b>		
<b>Item #</b>	<b>Description</b>	<b>Calendar Days (CD) after Option Exercise (OE)</b>
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. 8<sup>th</sup> OPTION - DELIVERY SCHEDULE FOR CCGS Corporal McLaren M.M.V.**

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

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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 Contractor must use components and equipment that are listed in its BDR Package and in the ABS approval letter. Any deviation will have to be approved by ABS and TA at Contractor's expenses.

<b>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:</b>				
<b>Description</b>		<b>Unit Price (\$)</b>	<b>QTY</b>	<b>Total Price (\$)</b>
<b>Section # 1A - Initial Contract - CCAMS for the CCGS A. Leblanc</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	

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17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1A – CCGS A. Leblanc – TOTAL PRICE (\$)</b>				
<b>Section # 1B - 1<sup>st</sup> Option - CCAMS for the CCGS Constable Carrière</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	

15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1B – CCGS Constable Carrière – TOTAL PRICE (\$)</b>				
<b>Section # 1C - 2<sup>nd</sup> Option - CCAMS for the CCGS Caporal Kaeble V.C.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	

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12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Requ ired	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Requ ired	
<b>Section # 1C – CCGS Caporal Kaeble V.C. – TOTAL PRICE (\$)</b>				
<b>Section # 1D – 3<sup>rd</sup> Option - CCAMS for the CCGS M. Charles M.B.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	

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9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1D – CCGS M. Charles M.B. – TOTAL PRICE (\$)</b>				
<b>Section # 1E – 4<sup>th</sup> Option - CCAMS for the CCGS Captain Goddard M.S.M.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	

7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1E – CCGS Captain Goddard M.S.M. – TOTAL PRICE (\$)</b>				
<b>Section # 1F – 5<sup>th</sup> Option - CCAMS for the CCGS Private Robertson V.C.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		4	

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	electrical equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)			
5	Marine Type approved redundant Fan-less Server PC		2	
6	Marine Type Approved Fan-less Panel PC		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1F – CCGS Private Robertson V.C. – TOTAL PRICE (\$)</b>				
<b>Section # 1G – 6<sup>th</sup> Option - CCAMS for the CCGS G. Peddle S.C.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC Rack components and all supporting electrical		2	

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	equipment (relays, power supplies, terminal blocks, circuit breakers, fuses, etc.)			
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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Required	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Required	
<b>Section # 1G – CCGS G. Peddle S.C. – TOTAL PRICE (\$)</b>				

<b>Section # 1H – 7<sup>th</sup> Option - CCAMS for the CCGS Corporal Teather C.V.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Requ ired	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	UPS A and UPS B Batteries		4	
22	Atmospheric Pressure Sensor for tank leveling system		1	
23	Atmospheric Pressure Transducer in the AMR		1	
24	PT100 temperature sensor		2	
25	40 M TPISOS - 1.5 mm2 cabling for the FO Day Tank Level transducer		1	
26	40 M TPISOS - 1.5 mm2 cabling for the EDG Tank Level transducer		1	
27	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
28	Any required additional software with a perpetual license		As Requ ired	

<b>Section # 1H – CCGS Corporal Teather C.V. – TOTAL PRICE (\$)</b>				
<b>Section # 1I – 8<sup>th</sup> Option - CCAMS for the CCGS Corporal McLaren M.M.V.</b>				
1	Redundant Marine Type approved PLC		2	
2	PLC 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		5	
7	Fully rugged laptop with associated communication cables		1	
8	19", NEMA 4 marine Type approved, touch screen monitor		2	
9	19", sunlight readable, NEMA 4 marine Type approved, touch screen monitor		1	
10	Keyboard and trackball set		4	
11	Marine Type approved Ethernet switch		4	
12	Marine Type approved Tank level transducer		16	
13	PLC development software with a perpetual license		2	
14	Remote Monitoring gateway equipment		1	
15	Industrial grade wireless access point(s) (IAW the bidders/contractor design)		As Requ ired	
16	Windows 10 IoT Enterprise operating system		7	
17	Windows 10 IoT Enterprise operating system software (64) bit bootable USB stick 3.0 generation or higher		1	
18	HMI SCADA software programming development Licenses		2	
19	HMI SCADA software runtime with a perpetual license		8	
20	Log and Alarm Printer		1	
21	Atmospheric Pressure Sensor for tank leveling system		1	
22	Atmospheric Pressure Transducer in the AMR		1	
23	PT100 temperature sensor		2	
24	I/O cabinet to house all Remote I/O equipment		4	
25	Alarm Column for AMR and MMR		2	
26	Alarm annunciator mounted on MCR and Bridge consoles		2	
27	BUS converter to Ethernet Gateway		10	

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28	Key switch in BCS for unattended operation		1	
29	Main deck filling station 120db siren		1	
30	Main deck filling station flashing red light		1	
31	Dual axis Inclinometer		1	
32	Level switch for Emergency Diesel Generator fuel reservoir		2	
33	Level switch for FO Day Tank		2	
34	Dual level switch for FO Tank No.09		1	
35	UPS System (A)		1	
36	UPS System (B)		1	
37	Rotating alarm light indication for Bow Thruster & Steering gear rooms		2	
38	Bridge top amber flashing light		1	
39	Connection Box For Tanks Level Transducer with Desiccant		16	
40	Bilge Level Switch		11	
41	Fresh Water RTD x Thermowell		2	
42	Fresh Water RTD x Thermowell (For Heater Starters)		2	
43	MMR – Box For Dead Man alarm complete with activation & reset		1	
44	AMR – Box For Dead Man alarm complete with activation & reset		1	
45	MCR Alarm Station Console		1	
46	Industrial Cellular Gateway software licenses with a two (2) year subscription		2	
47	Any required additional software with a perpetual license		As Required	
<b>Section # 11 – CCGS Corporal McLaren M.M.V. – TOTAL PRICE (\$)</b>				
<b>TOTAL PRICE FOR SECTION 1 (\$)</b> <b>(TOTAL OF SECTIONS: 1A + 1B + 1C + 1D + 1E + 1F + 1G + 1H + 1I)</b>				

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<b>Section # 2 Design of the CCAMS</b>	
<b>Description</b>	<b>Total Price (\$)</b>
<b>2A - Initial Contract - CCAMS for the CCGS A. Leblanc</b>	
Preliminary Design Review (PDR), price must not exceed 2% of the Total Price of the project	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2B - 1<sup>st</sup> Option - CCAMS for the CCGS Constable Carrière</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2C - 2<sup>nd</sup> Option - CCAMS for the CCGS Caporal Kaeble V.C.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2D - 3<sup>rd</sup> Option - CCAMS for the CCGS M. Charles M.B.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2E - 4<sup>th</sup> Option - CCAMS for the CCGS Captain Goddard M.S.M.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2F - 5<sup>th</sup> Option - CCAMS for the CCGS Private Robertson V.C.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2G - 6<sup>th</sup> Option - CCAMS for the CCGS G. Peddle S.C.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2H - 7<sup>th</sup> Option - CCAMS for the CCGS Corporal Teather C.V.</b>	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>2I - 8<sup>th</sup> Option - CCAMS for the CCGS Corporal McLaren M.M.V.</b>	
Preliminary Design Review (PDR), price must not exceed 2% of the Total Price of the project	
Critical Design Review (CDR), price must not exceed 2% of the Total Price of the project	
<b>TOTAL PRICE FOR SECTION 2 (\$)</b> <b>(TOTAL OF SECTIONS: 2A + 2B + 2C + 2D + 2E + 2F + 2G + 2H + 2I)</b>	<b>\$</b>

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

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<b>Section # 4 Strip Out of existing CCAMS with their associated components and equipment</b>	
<b>Description</b>	<b>Total Price (\$)</b>
<b>4A - Initial Contract - CCAMS for the CCGS A. Leblanc</b>	
<b>4B - 1<sup>st</sup> Option - CCAMS for the CCGS Constable Carrière</b>	
<b>4C - 2<sup>nd</sup> Option - CCAMS for the CCGS Caporal Kaeble V.C.</b>	
<b>4D - 3<sup>rd</sup> Option - CCAMS for the CCGS M. Charles M.B.</b>	
<b>4E - 4<sup>th</sup> Option - CCAMS for the CCGS Captain Goddard M.S.M.</b>	
<b>4F - 5<sup>th</sup> Option - CCAMS for the CCGS Private Robertson V.C.</b>	
<b>4G - 6<sup>th</sup> Option - CCAMS for the CCGS G. Peddle S.C.</b>	
<b>4H - 7<sup>th</sup> Option - CCAMS for the CCGS Corporal Teather C.V.</b>	
<b>TOTAL PRICE FOR SECTION 4 (\$) (TOTAL OF SECTION 4A + 4B + 4C + 4D + 4E + 4F + 4G + 4H)</b>	<b>\$</b>

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

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<b>Section # 6 Set to Work Tests and Trials (STWT&amp;T) including Dock Trials and Sea Trials of the CCAMS with all associated components, equipment, systems and sub-systems impacted by the CCAMS installation</b>	
<b>Description</b>	<b>Total Price (\$)</b>
<b>6A - Initial Contract - CCAMS for the CCGS A. Leblanc</b>	
<b>6B - 1<sup>st</sup> Option - CCAMS for the CCGS Constable Carrière</b>	
<b>6C - 2<sup>nd</sup> Option - CCAMS for the CCGS Caporal Kaeble V.C.</b>	
<b>6D - 3<sup>rd</sup> Option - CCAMS for the CCGS M. Charles M.B.</b>	
<b>6E - 4<sup>th</sup> Option - CCAMS for the CCGS Captain Goddard M.S.M.</b>	
<b>6F - 5<sup>th</sup> Option - CCAMS for the CCGS Private Robertson V.C.</b>	
<b>6G - 6<sup>th</sup> Option - CCAMS for the CCGS G. Peddle S.C.</b>	
<b>6H - 7<sup>th</sup> Option - CCAMS for the CCGS Corporal Teather C.V.</b>	
<b>6I - 8<sup>th</sup> Option - CCAMS for the CCGS Corporal McLaren M.M.V.</b>	
<b>TOTAL PRICE FOR SECTION 6 (\$) (TOTAL OF SECTION 6A + 6B + 6C + 6D + 6E + 6F + 6G + 6H + 6I)</b>	<b>\$</b>

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

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<b>Section # 8 Spare Parts as per SOW for five (5) years</b>				
<b>Part Number</b>	<b>Description</b>	<b>Unit Price (\$)</b>	<b>QTY</b>	<b>Total Price (\$)</b>
<b>8A - Initial Contract - List of Spare Parts for the CCGS A. Leblanc</b>				
<b>8B - 1<sup>st</sup> Option - List of Spare Parts for the CCGS Constable Carrière</b>				
<b>8C - 2<sup>nd</sup> Option - List of Spare Parts for the CCGS Caporal Kaeble V.C.</b>				
<b>8D - 3<sup>rd</sup> Option - List of Spare Parts for the CCGS M. Charles M.B.</b>				
<b>8E - 4<sup>th</sup> Option - List of Spare Parts for the CCGS Captain Goddard M.S.M.</b>				
<b>8F - 5<sup>th</sup> Option - List of Spare Parts for the CCGS Private Robertson V.C.</b>				
<b>8G - 6<sup>th</sup> Option - List of Spare Parts for the CCGS G. Peddle S.C.</b>				

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<b>8H - 7<sup>th</sup> Option - List of Spare Parts for the CCGS Corporal Teather C.V.</b>				
<b>8I - 8<sup>th</sup> Option - List of Spare Parts for the CCGS Corporal McLaren M.M.V.</b>				
<b>TOTAL PRICE FOR SECTION 8 (\$)</b> <b>(TOTAL OF SECTION 8A + 8B + 8C + 8D + 8E + 8F + 8G + 8H + 8I)</b>				<b>\$</b>

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

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<b>Section # 9 Special Purpose Tools and Test Equipment (SPTATE) as per SOW</b>				
<b>Part Number</b>	<b>Description</b>	<b>Unit Price (\$)</b>	<b>QTY</b>	<b>Total Price (\$)</b>
<b>9A - Initial Contract - List of SPTATE for the CCGS A. Leblanc</b>				
<b>9B - 1<sup>st</sup> Option - List of SPTATE for the CCGS Constable Carrière</b>				
<b>9C - 2<sup>nd</sup> Option - List of SPTATE for the CCGS Caporal Kaeble V.C.</b>				
<b>9D - 3<sup>rd</sup> Option - List of SPTATE for the CCGS M. Charles M.B.</b>				
<b>9E - 4<sup>th</sup> Option - List of SPTATE for the CCGS Captain Goddard M.S.M.</b>				
<b>9F - 5<sup>th</sup> Option - List of SPTATE for the CCGS Private Robertson V.C.</b>				

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<b>9G - 6<sup>th</sup> Option - List of SPTATE for the CCGS G. Peddle S.C.</b>				
<b>9H - 7<sup>th</sup> Option - List of SPTATE for the CCGS Corporal Teather C.V.</b>				
<b>9I - 8<sup>th</sup> Option - List of SPTATE for the CCGS Corporal McLaren M.M.V.</b>				
<b>TOTAL PRICE FOR SECTION 9 (\$)</b>				<b>\$</b>
<b>(TOTAL OF SECTION 9A + 9B + 9C + 9D + 9E + 9F + 9G + 9H + 9I)</b>				

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

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<b>Section #10 - Documentation Packages for the CCAMS</b>			
<b>Description</b>	<b>Unit Price (\$)</b>	<b>QTY</b>	<b>Total Price (\$)</b>
<b>10A - Initial Contract - CCGS A. Leblanc</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	
<b>10B - 1<sup>st</sup> Option - CCGS Constable Carrière</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	
<b>10C - 2<sup>nd</sup> Option - CCGS Caporal Kaeble V.C.</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	
<b>10D - 3<sup>rd</sup> Option - CCGS M. Charles M.B.</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	
<b>10E - 4<sup>th</sup> Option - CCGS Captain Goddard M.S.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;			

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- DID-LOG-02; and Any other Documentation Packages, as required during the course of the project.			
<b>10F - 5<sup>th</sup> Option - CCGS Private Robertson V.C.</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.			
<b>10G - 6<sup>th</sup> Option - CCGS G. Peddle S.C.</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.			
<b>10H - 7<sup>th</sup> Option - CCGS Corporal Teather C.V.</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.			
<b>10I - 8<sup>th</sup> Option - CCGS Corporal McLaren M.M.V.</b>			
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.			
<b>TOTAL PRICE FOR SECTION 10 (\$)</b> <b>(TOTAL OF SECTION 10A + 10B + 10C + 10D + 10E + 10F + 10G + 10H + 10I)</b>			\$

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<b>Section #11 Cadre Trainings and Training Documentation</b>			
<b>Description</b>	<b>Unit Price (\$)</b>	<b>QTY</b>	<b>Total Price (\$)</b>
<b>11A - Initial Contract - CCGS A. Leblanc</b>			
<b>11 A1</b> Cadre Shipboard Training Session with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 A2</b> Cadre Classroom Training Session with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11B - 1<sup>st</sup> Option - CCGS Constable Carrière</b>			
<b>11 B1</b> Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 B2</b> Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11C - 2<sup>nd</sup> Option - CCGS Caporal Kaeble V.C.</b>			
<b>11 C1</b> Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 C2</b> Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11D - 3<sup>rd</sup> Option - CCGS M. Charles M.B.</b>			
<b>11 D1</b> Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 D2</b> Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11E - 4<sup>th</sup> Option - CCGS Captain Goddard M.S.M.</b>			
<b>11 E1</b> Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 E2</b> Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11F - 5<sup>th</sup> Option - CCGS Private Robertson V.C.</b>			
<b>11 F1</b> Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	

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<b>11 F2</b>	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11G - 6<sup>th</sup> Option - CCGS G. Peddle S.C.</b>				
<b>11 G1</b>	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 G2</b>	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11H - 7<sup>th</sup> Option - CCGS Corporal Teather C.V.</b>				
<b>11 H1</b>	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 H2</b>	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11I - 8<sup>th</sup> Option - CCGS Corporal McLaren M.M.V.</b>				
<b>11 I1</b>	Cadre Shipboard Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11 I2</b>	Cadre Classroom Training Sessions with all Training Documentation as per SOW, Section 9 "Integrated Logistics Support (ILS)"		2	
<b>11J - 9<sup>th</sup> Option – Additional Cadre Trainings</b>				
<b>11 J1</b>	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	
<b>11 J2</b>	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	
<b>TOTAL PRICE FOR SECTION 11 (\$)</b>				
<b>(TOTAL OF SECTION 11A + 11B + 11C + 11D + 11E + 11F + 11G + 11H + 11I + 11J)</b>				<b>\$</b>

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

<b>TOTAL PRICE OF THE PROJECT (TOTAL OF SECTION 1 TO 12)</b>	<b>\$</b>
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**Note:** All provided prices shall be before GST or HST, as applicable.

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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065ml  
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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		
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.		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.
All outstanding items, deviation or deficiencies are as noted on the Appendix form "A" and will be dealt with in accordance with the contract terms and conditions.		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.
For Contractor - Pour l'entrepreneur	Signature	Title - Titre
Inspection Authority - Autorité d'inspection	Signature	Title - Titre
Owner's Representative - Représentant du propriétaire	Signature	Title - Titre
Date		Location - Endroit
Remarks - Remarques		

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## **ANNEX "H"**

### **NSOP 528: COVID-19 – PROCEDURE FOR VISITORS TO CANADIAN COAST GUARD PREMISES**

See site: <https://www.ccg-gcc.gc.ca/publications/NSOP-PONEN/528-eng.html>

## 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	\$
<b>A</b>	<b>Total Evaluation Price of the CCAMS (Total of lines 1 to 12)</b>	<b>\$</b>

**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:

<b>TOTAL EVALUATION PRICE OF THE ANNUAL FEE APPLICABLE TO THE CCAMS REMOTE ONLINE AND PHONE CALL SERVICES</b>				
<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>ANNUAL FEE</b>	<b>LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY</b>	<b>EVALUATION PRICE</b>
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 Kaeble 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>B</b>	<b>Total Evaluation Price of the Annual Fee applicable to the CCAMS Remote Online and Phone Call Services (Total of Lines 1 to 9)</b>			\$

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:

<b>TOTAL PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED DESIGN, ENGINEERING AND SOFTWARE DEVELOPMENT AND PROGRAMMING, FAT, STWT&amp;T, HAT AND SAT WORK</b>				
<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES</b>	<b>LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY</b>	<b>EVALUATION PRICE</b>
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	\$
<b>C</b>	<b>Total Price of the Blended Labor Rate applicable to CCAMS Additional and Unscheduled Design, Engineering and Software Development and Programming, FAT, STWT&amp;T, HAT and SAT Work (Total of Lines 1, 2 and 3)</b>			\$

**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:

<b>TOTAL EVALUATION PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO CCAMS ADDITIONAL AND UNSCHEDULED VESSEL'S INTEGRATION AND INSTALLATION WORK</b>				
<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES</b>	<b>LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY</b>	<b>EVALUATION PRICE</b>
1	Regular Time Blended Labor Rate applicable to CCAMS Additional and Unscheduled Vessel's Integration and Installation Work	\$	750	\$
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	\$	150	\$
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	\$	75	\$
<b>D</b>	<b>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)</b>			<b>\$</b>

**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:

<b>TOTAL EVALUATION PRICE OF THE BLENDED LABOUR RATES APPLICABLE TO THE CCAMS ADDITIONAL AND UNSCHEDULED FIELD SERVICE REPRESENTATIVES (FSR) WORK</b>				
<b>ITEM #</b>	<b>DESCRIPTION</b>	<b>BLENDED HOURLY RATES</b>	<b>LEVEL OF EFFORT FOR EVALUATION PURPOSE ONLY</b>	<b>EVALUATION PRICE</b>
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	\$

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065ml  
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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	\$
<b>E</b> 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)				
				\$

**4. TOTAL EVALUATION PRICE OF THE PROPOSAL**

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

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) system 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 Logic Controllers (PLCs) 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 in contrast to a Distributed Control System (DCS), which is traditionally proprietary. A PAS is associated with SCADA systems. Concerning the experience demonstration, only projects / contracts based on PAS will be evaluated by Canada. For further clarity, Canada will not award a contract to a bidder that is proposing a CCAMS based on DCS.

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 and PLC software 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 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.
4. 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.

Item #	Criteria	Compliant		Reference to applicable page and paragraph of Bidder's Proposal
		Yes	No	
<b>MTC1</b>	Bidder must submit a demonstration that it is a CCAMS Alarm Monitoring Original System Designer (AMOSD). For this, the Bidder must provide an AMOSD Certification which will demonstrate that <u>all</u> requirements listed in the above Preamble article 3 are met.			
<b>MTC2</b>	The Bidder's experience will be evaluated based on three (3) projects/contracts done by the Bidder within the last fifteen (15) years.  Each project/contract must be a PAS and have at least 500 analogue, digital or internal I/O combined using PLCs and HMI SCADA software on ships or other process automation industries.  Please consider MTC2A, MTC2B, and MTC2C when choosing the three (3) projects/contracts.  For each project/contract as a minimum the Bidder must submit a demonstration of the following:			

	<ol style="list-style-type: none"> <li>1. The name of the client / representative;</li> <li>2. The start date and end date of the project/contract to be provided in the following format: MONTH (MM) AND YEAR (YYYY);</li> <li>3. Demonstration of the work performed:           <ol style="list-style-type: none"> <li>A. automation system design and/or upgrade;</li> <li>B. integration/installation; and</li> <li>C. commissioning.</li> </ol> </li> <li>4. Proof of delivery, installation and acceptance.</li> </ol>			
<p style="text-align: center;"><b>MTC2A</b></p>	<p>Bidder must submit a demonstration that one (1) of the three (3) projects/contracts in MTC2 was an Alarm and Monitoring System adhering to the ANSI/ISA-18.2 or the IEC 62682 Management of Alarm Systems for the Process Industries standard.</p> <p><b><u>OR</u></b></p> <p>If the Bidder cannot submit a demonstration that it has developed and delivered one (1) Alarm and Monitoring Systems project/contract as per MTC2 adhering to the ANSI/ISA-18.2 or the IEC 62682 Management of Alarm Systems for the Process Industries standard, the Bidder must demonstrate that its Subcontractor (Engineering Firm or Other) has developed and delivered one (1).</p> <p>In this case, in order to achieve this demonstration, the Bidder must:</p> <ol style="list-style-type: none"> <li>1. Provide the following information on its Subcontractor (Engineering Firm or Other):           <ol style="list-style-type: none"> <li>a. Subcontractor name; and</li> <li>b. Names of the Engineer(s) actually employed by the Engineering Firm and their valid certifications.</li> </ol> </li> </ol> <p><b><u>AND</u></b></p> <ol style="list-style-type: none"> <li>2. As a minimum the Bidder must demonstrate the following:           <ol style="list-style-type: none"> <li>a. The ANSI/ISA-18.2 or the IEC 62682 standard has been utilized regarding the formalization of the alarm system's management documentation complete with alarm philosophy, the collection of processes and practices for determining, documenting, designing, operating, monitoring, and maintaining alarm systems known as the alarm management lifecycle stages.</li> </ol> </li> </ol>			

<b>MTC2B</b>	<p>Bidder must demonstrate that at least one (1) of the three (3) projects/contracts in MTC2 was developed and delivered using IEC 61131 programming languages to execute alarm logic.</p> <p><b><u>OR</u></b></p> <p>If the Bidder cannot demonstrate that it has developed and delivered at least one (1) of the three (3) projects/contracts in MTC2 using IEC 61131 programming languages to execute alarm logic, the Bidder must demonstrate that its Subcontractor (Engineering Firm or Other) has developed and delivered one (1).</p> <p>In order to achieve this demonstration, the Bidder must:</p> <ol style="list-style-type: none"><li>1. Provide the following information on its Subcontractor (Engineering Firm or Other):<ol style="list-style-type: none"><li>a. Subcontractor name; and</li><li>b. Names of the Engineer(s) actually employed by the Engineering Firm and their valid certifications.</li></ol></li></ol> <p><b><u>AND</u></b></p> <p>As a minimum the Bidder must demonstrate the following:</p> <ol style="list-style-type: none"><li>1. Provide the written standard or a PLC program sample from a Centralized Control System or Alarm and Monitoring System or PAS.</li></ol>			
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<p><b>MTC2C</b></p>	<p>Bidder must demonstrate that at least one (1) of the three (3) projects/contracts in MTC2 was developed and delivered one (1) International Association of Classification Societies (IACS) approved Alarm and Monitoring System of similar complexity with at least 500 analogue, digital or internal I/O combined in the last fifteen (15) years.</p> <p><b><u>OR</u></b></p> <p>If the Bidder cannot demonstrate that it has developed and delivered at least one (1) IACS approved Alarm and Monitoring System of similar complexity with at least 500 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).</p> <p>In order to achieve this demonstration, the Bidder must:</p> <ol style="list-style-type: none"> <li>1. Provide the following information on its Subcontractor (Engineering Firm or Other):       <ol style="list-style-type: none"> <li>a. Subcontractor name; and</li> <li>b. Names of the Engineer(s) actually employed by the Engineering Firm and their valid certifications.</li> </ol> </li> </ol> <p><b><u>AND</u></b></p> <p>As a minimum the Bidder must demonstrate the following:</p> <ol style="list-style-type: none"> <li>1. Provide copies of IACS documentation and certification.</li> </ol>			
<p><b>MTC3</b></p>	<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"> <li>1. <b>Education</b> <ol style="list-style-type: none"> <li>A. One employee of the Bidder must have at least a university engineering bachelor's degree in electrical, electronic or computer engineering.</li> <li>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.</li> <li>C. For each employee, the Bidder must provide the degree or diploma complete with name of institution, year of completion.</li> </ol> </li> </ol>			

	<p><b>2. Work Experience</b></p> <p><b>A.</b> Each of the employees identified in MTC3, Section 1 - Education must have a minimum of five (5) years of demonstrated work experience in PLC programming and configuring SCADA software on similar or of higher complexity project(s)/contract(s) as described in the CCAMS SOW.</p> <p><b>B.</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>			
<p><b>MTC4</b></p>	<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 500 analogue, digital or internal I/O combined using PLCs and HMI SCADA software for a Factory Acceptance Test (FAT) by providing the completed FAT Inspection and Test Plans (FAT ITP) and applicable drawings related to one (1) of the projects/contracts used for qualification in MTC2.</p>			
<p><b>MTC5</b></p>	<p><b>Classification Society Requirements</b></p> <p><b>A.</b> 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><b>B.</b> Bidder must submit an <b><u>approval review letter from ABS</u></b> that confirms ABS acceptance of the Bidder's proposed CCAMS' Basic Design Review (BDR) including all related components and equipment IAW SOW Annex "A" DID-EN-09.</p> <p><b>C.</b> Bidder must also provide all other deliverables listed in the CCAMS BDR package IAW SOW Annex "A" DID-EN-09.</p>			
<p><b>MTC6</b></p>	<p>Bidder must submit a demonstration that the proposed CCAMS meet the System Requirements by addressing each of the items in section 6.4 of the SOW Annex "A".</p> <p><b><u>AND</u></b></p> <p>Bidder must submit a demonstration that the proposed CCAMS HMI SCADA software is designed to deliver an Alarm and Monitoring System adhering to the ANSI/ISA-18.2-2016 Alarm Management Standard or the IEC 62682 Management of Alarm Systems for the Process Industries.</p>			

<b>MTC7</b>	Bidder must submit a demonstration that the proposed CCAMS meet the PLCs, Remote Panel PCs, PC Servers, Monitors, Fully Rugged Laptop and Printer Requirements by addressing each of the items in section 6.5 of the SOW Annex "A".			
<b>MTC8</b>	<p>Bidder must submit a demonstration that the proposed CCAMS meet the PLC Programming Requirements using IEC 61131 programming language by addressing each of the items in section 6.6 of the SOW Annex "A".</p> <p><b>OR</b></p> <p>If the Bidder cannot submit a demonstration that it has in house capability to address section 6.6 of the SOW, they must submit a demonstration of its Subcontractor (Engineering Firm or Other) capability.</p> <p>The Bidder must submit the following information on its Subcontractor (Engineering Firm or Other):</p> <ol style="list-style-type: none"> <li>1. Subcontractor name; and</li> <li>2. Names of the Engineer(s) actually employed by the Engineering Firm and their valid certifications.</li> </ol>			
<b>MTC9</b>	Bidder must submit a demonstration that the proposed CCAMS meet the HMI SCADA Requirements by addressing each of the items in section 6.7 of the SOW Annex "A".			
<b>MTC10</b>	Bidder must submit a demonstration that the proposed CCAMS meet the Network Requirements by addressing each of the items in section 6.8 of the SOW Annex "A".			
<b>MTC11</b>	Bidder must submit a demonstration that the proposed CCAMS meet the Network Communication Requirements by addressing each of the items in section 6.9 of the SOW Annex "A".			
<b>MTC12</b>	Bidder must submit a demonstration that the proposed CCAMS meet the Software Requirements by addressing each of the items in section 6.10 of the SOW Annex "A".			
<b>MTC13</b>	Bidder must submit a demonstration that the proposed CCAMS meet the Passwords and Cyber Security Requirements for HMI SCADA, PLCs, PC Servers, remote Panel PCs and Remote Access by addressing each of the items in section 6.11 of the SOW Annex "A".			
<b>MTC14</b>	Bidder must submit a demonstration that the proposed CCAMS meet the HMI Software System and HMI Page Configuration Requirements by addressing each of the items in section 6.12 of the SOW Annex "A".			

<b>MTC15</b>	Bidder must submit a demonstration that the proposed CCAMS meet the Requirements for Remote I/O Interface by addressing each of the items in section 6.13 of the SOW Annex "A".			
<b>MTC16</b>	<p>For the initial contract, Bidder must submit a demonstration that the proposed CCAMS meets the Vessel Integration and Installation Technical Documentation Package Requirement as per sections 7.7, 7.9 and DID-EN-07 of the SOW Annex "A".</p> <p><b>OR</b></p> <p>If the Bidder cannot submit a demonstration that it has in house capability to meet the Vessel Integration and Installation Technical Documentation Requirements as per sections 7.7, 7.9 and DID-EN-07 of the SOW, the Bidder must submit a demonstration of its Subcontractor's capability.</p> <p>In this case, the Bidder must submit the following information from its Subcontractor (Engineering Firm, Marine electrical Integration/Installation Firm or Other):</p> <ol style="list-style-type: none"> <li>1. Subcontractor name;</li> <li>2. Names and CVs of the Engineer(s), currently employed by the Subcontractor; and</li> <li>3. Submit the proposed Subcontractors demonstration that the proposed CCAMS meets the Vessel Integration and Installation Technical Documentation Package Requirement as per sections 7.7, 7.9 and DID-EN-07 of the SOW Annex "A"</li> </ol>			
<b>MTC17</b>	<p>For the initial contract, Bidder must submit a demonstration that its proposed Vessel Integration and Installation meet the CCAMS Requirement as per section 7.8 and 7.9 of the SOW Annex "A".</p> <p><b>OR</b></p> <p>If the Bidder cannot submit a demonstration that it has in house capability to meet the Vessel Integration and Installation, the Bidder must submit a demonstration of its Subcontractor's capability to meet the CCAMS Requirement as per section 7.8 and 7.9 of the SOW Annex "A".</p> <p>In this case, the Bidder must submit the following information from its Subcontractor (Engineering Firm, Marine electrical Integration/Installation Firm or Other):</p> <ol style="list-style-type: none"> <li>1. Subcontractor name;</li> <li>2. Names and CVs of the Project manager (s), currently employed by the Subcontractor; and</li> <li>3. Submit a demonstration that its proposed Vessel</li> </ol>			

	Integration and Installation meet the CCAMS Requirement as per section 7.8 and 7.9 of the SOW Annex "A".			
<b>MTC18</b>	Bidder must submit a demonstration that the proposed CCAMS Remote Online and Phone Call Services meets each of the items in section 9.2.1 of the SOW Annex "A".			
<b>MTC19</b>	Bidder must submit a demonstration that the Field Service Representative for the proposed CCAMS meets each of the items in section 9.2.2 of the SOW Annex "A".			
<b>MTC20</b>	<p>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 in the last fifteen (15) years.</p> <p><b>AND</b></p> <p>The Bidder must submit a demonstration of its capability or the capability of its Subcontractor of producing one (1) Operation and Troubleshooting user manual, in French, similar to the requirements in the SOW Annex "A" DID-EN-08. The Bidder must submit one (1) section of a manual that he or his Subcontractor has translated in French.</p>			
<b>MTC21</b>	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 500 analogue, digital or internal I/O combined using PLCs and HMI SCADA software on ships or other process automation industries.			
<b>MTC22</b>	<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"> <li>1. Provide its valid ISO 9001 certification, if applicable;</li> <li>2. Provide an example of its Quality Control Plan (QCP) as applied on one (1) of the projects/contracts used for qualification in MTC2;</li> <li>3. Samples of the Inspection and Test Plans (ITP) developed IAW QCP's in 2 above; and</li> <li>4. Samples of Inspection Reports IAW ITP in 3 above.</li> </ol>			

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065ml  
CCC No./N° CCC - FMS No./N° VME

<b>MTC23</b>	<p>Bidder must submit a preliminary Project Management Plan with a work breakdown structure (WBS) to level 3 IAW the SOW Annex "A" DID-PM-01.</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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**ANNEX "K"**

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

<b>SOW REF #</b>	<b>SOW PARAGRAPH TITLE</b>	<b>COMPLIANCE</b>	<b>CROSS REFERENCE IN BIDDER'S PROPOSAL</b>	<b>COMMENTS</b>
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).

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

Amd. No. - N° de la modif.  
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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## **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; and
- Electronic Data Interchange (EDI).