



**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

**LETTER OF INTEREST  
LETTRE D'INTÉRÊT**

Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution  
Electronics, Simulators and Defence Systems Div.  
/Division des systèmes électroniques et des systèmes de  
simulation et de défense  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

|   |  |
|---|--|
| <b>Title - Sujet</b> Portable Electronic Navigation Simu  |  |
| <b>Solicitation No. - N° de l'invitation</b><br>F5411-300004/A  | <b>Date</b><br>2021-08-09  |
| <b>Client Reference No. - N° de référence du client</b><br>F5411-300004   | <b>GETS Ref. No. - N° de réf. de SEAG</b><br>PW-\$\$QF-130-28306 |
| <b>File No. - N° de dossier</b><br>130qf.F5411-300004   | <b>CCC No./N° CCC - FMS No./N° VME</b>                           |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT<br><b>on - le 2021-08-30</b> Heure Avancée de l'Est HAE        |  |
| <b>F.O.B. - F.A.B.</b><br><b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>   |  |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Holmes, Brenden  | <b>Buyer Id - Id de l'acheteur</b><br>130qf                      |
| <b>Telephone No. - N° de téléphone</b><br>(819) 664-6516 ( )  | <b>FAX No. - N° de FAX</b><br>( ) -                              |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b><br><br>Specified Herein<br>Précisé dans les présentes |  |

Instructions: See Herein

Instructions: Voir aux présentes

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



| Destination Code -<br>Code destinataire | Destination Address -<br>Adresse de la destination   | Invoice Code - Code<br>bur.-comptable | Invoice Address -<br>Adresse de facturation  |
|---|--|---------------------------------------|--|
| D - I                                   | Manager - Search and Rescue, Operations<br>Canadian Coast Guard<br>200 Kent, St, Ottawa, On, K1A 0E6 | I - I                                 | Manager - Search and Rescue, Operations<br>Canadian Coast Guard<br>200 Kent, St, Ottawa, On, K1A 0E6 |



| Item<br>Article | Description                                   | Dest.<br>Code<br>Dest. | Inv.<br>Code<br>Fact. | Qty<br>Qté | U. of I.<br>U. de D. | Unit Price/Prix unitaire<br>FOB/FAM |             | Delivery Req.<br>Livraison Req. | Del. Offered<br>Liv. offerte |
|-----------------|---|------------------------|-----------------------|------------|----------------------|-------------------------------------|-------------|---------------------------------|------------------------------|
|                 |   |                        |                       |            |                      | Destination                         | Plant/Usine |                                 |                              |
| 1               | Portable Electronic Navigation Sim<br>ulators | D-1                    | I-1                   | 4          | Each                 | \$                                  | XXXXXXXXXX  | See Herein – Voir ci-inclus     |                              |

## **Request for Information (RFI) for Portable Electronic Navigation Simulators for the Department of Fisheries and Oceans (DFO)**

F5411-300004

### **INTRODUCTION**

The Department of Fisheries and Oceans (DFO) for the Canadian Coast Guard (CCG) has a requirement to acquire four (4) Portable Electronic Navigation Simulators (PENS). In addition to the acquisition of the simulators, the delivery of an instructor training course is required.

### **PURPOSE**

The purpose of this RFI is to allow industry time to review the draft Request for Proposal and provide feedback and suggestions to Canada.

The RFI also contains a list of "Questions to Industry" that will allow Canada to obtain additional information regarding the requirement.

See attached draft solicitation documents for further information.

### **NATURE OF RFI**

This RFI process includes neither a bidder's conference nor one-on-one meetings with industry.

This is neither a call for tender nor a Request for Proposal (RFP), and no agreement or contract for the procurement of the equipment and / or services stated herein will be entered into solely as a result of this RFI. This announcement does not constitute a commitment by Canada. Canada does not intend to award a contract on the basis of the notice or otherwise pay for the information solicited. Any and all expenses incurred by industry in pursuing this opportunity, including the provision of information and potential visits, are at industry's sole risk and expense.

All industry consultations will be documented and this information is subject to the Access to Information Act. Respondents to this RFI should identify any submitted information that is considered as either company confidential, proprietary or if the response contains controlled goods. Canada will not reveal any designated confidential or proprietary information to the public and/or third parties.

Any discussions on this subject with project staff representing DFO or PWGSC, or any other Government of Canada representative, or other personnel involved in project activities, shall not be construed as an offer to purchase or as commitment by DFO, PWGSC or Government of Canada as a whole.

Requirements are subject to change, which may be as a result of information provided in response to this RFI. The issuance of this RFI does not create an obligation for Canada to issue a subsequent RFP, and does not bind Canada legally or otherwise, to enter into any agreement or to accept or reject any suggestions.

There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

Competitive Procurement Strategy; all interested suppliers may submit a bid.

As per policy requirements, all notices posted on Buy and Sell will be in both official languages.

#### QUESTIONS TO INDUSTRY

1. What is the rough order magnitude cost for each item specified in Annex “C” – Basis of Payment of the draft Request for Proposal (RFP)? Please comment on your ability to deliver the goods and services within the budget stipulated in Section 4.1.2 of the draft RFP.
2. From the time of contract award, how many weeks would be required to deliver item #1?
3. From the time item #1 is delivered, how many weeks would be required to deliver the Instructor Training Course?

Industry is asked to provide any further information and/or comments you believe Canada should consider in a potential solicitation for this requirement.

Interested Respondents must submit their responses, by email, to the PSPC Contracting Authority, identified below.

Public Services and Procurement Canada  
Land and Aerospace Equipment Procurement and Support Sector - QF  
8C2, Place du Portage, Phase III, 11 Laurier Street  
Gatineau, QC K1A 0S5  
ATTN: Brenden Holmes  
E-MAIL: [brenden.holmes@tpsgc-pwgsc.gc.ca](mailto:brenden.holmes@tpsgc-pwgsc.gc.ca)

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F5411-300004/A  
Client Ref. No. - N° de réf. du client  
F5411-300004

Amd. No. - N° de la modif.  
File No. - N° du dossier  
130qf-F5411-300004

Buyer ID - Id de l'acheteur  
130qf  
CCC No./N° CCC - FMS No./N° VME

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**ANNEX "A"    STATEMENT OF WORK**

**ANNEX "B" to PART 3 OF THE BID SOLICITATION**

**ANNEX "C"    BASIS OF PAYMENT**

DRAFT

## PART 1 - GENERAL INFORMATION

### 1.1 Security Requirements

There is no security requirement associated with this requirement.

### 1.2 Requirement

The Contractor must supply the items detailed at Annex "C" attached hereto and all in accordance with the Statement of Work at Annex "A" attached hereto and all in accordance with the terms and conditions of this Contract.

### 1.3 Debriefings

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

### 1.4 Best Delivery Date – Bid

While delivery of Item # 1 – Annex "C" – Basis of Payment is requested within 6 weeks of contract award, the best delivery that could be offered is \_\_\_\_\_ weeks.

While delivery of Item # 2 – Annex "C" – Basis of Payment is requested within 12 weeks of contract award, the best delivery that could be offered is \_\_\_\_\_ weeks.

### 1.5 epost Connect service

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.

## 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) (<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, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:



Delete: 60 days  
Insert: 90 days

## 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) using epost Connect by the date, time and place indicated in the bid solicitation. 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.

## 2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to 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;
- 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;
- 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 to the Contracting Authority no later than 5 (five) calendar days before the bid closing date. 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 Ontario, Canada.

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 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

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

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

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

#### Section I: Technical Bid

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

## Section II: Financial Bid

Bidders must submit their financial bid in accordance with Annex "C" - Basis of Payment.

## Section III: Certifications

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

### 3.1.1 Electronic Payment of Invoices – Bid

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

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

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

### 3.1.2 Exchange Rate Fluctuation

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 nonresponsive.

## 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 Mandatory Technical Criteria

| <u>No</u> | <u>Mandatory Criteria</u>  | <u>Example of proof to be provided by Contractor</u>  | <u>Cross Reference to Proposal [Bidder to provide]</u> | <u>Comments</u> | <u>MET/ NOT MET [DFO use only]</u> |
|-----------|--|---|--|-----------------|------------------------------------|
| <b>M1</b> | Contractor proposed resources must demonstrate, with the help of a PENS detail description and list of all included items, how they meet all PENS requirements as described in para 2.1.1. | Detailed description of the Electronic Navigation Simulator, including a list with amount of each component provided. |  |                 |                                    |

|                  |   |  |  |  |  |
|------------------|---|--|--|--|--|
| <b><u>M2</u></b> | Contractor must provide a copy of their Det Norske Veritas certification for a Class C – NAV simulator (or above).  | A copy of your valid DNV Certification.  |  |  |  |
| <b><u>M3</u></b> | Contractor must demonstrate their experience in delivering similar navigation simulator. Contractor must demonstrate they deliver a minimum of 3 navigation simulator in the last 5 years.  | Proof is considered to be a copy of a letter of offer, or a copy of a previous contract for service, or a letter from an acceptable authority, or equivalent, and must be provided for each awarded contract with the bid.   |  |  |  |
| <b><u>M4</u></b> | Contractor must demonstrate, by providing a detailed description of the transportation container as well as pictures of the transportation container, how transportation container will meet para 2.1.2 requirements.   | Proof is consider to be a detailed description of the transportation container accompanied by pictures.  |  |  |  |
| <b><u>M5</u></b> | Contractor must demonstrate that the proposed authorized trainers has a minimum of 2 years' experience, accumulated in the last 5 years, in planning, developing and delivering course materiel (teaching, instruction, education) for an adult audience, with this specific simulator. | Proof is considered to be a resume with reference (contact information), or a letter from a previous employer, or a copy of a letter of offer, or a copy of a previous contract for service, or a letter from an acceptable authority, or equivalent, and must be provided with the bid. |  |  |  |
| <b><u>M6</u></b> | Contractor must demonstrate, with the help of a training curriculum, or a demo, their capacity to deliver training course as per 2.1.3 requirements   | Proof is consider to be a training curriculum, or a video, or a power point document or a mixed of those documents and must be provided with the bid.  |  |  |  |
| <b><u>M7</u></b> | Contractor must demonstrate their ability to supply a single toll-free 'hotline' to CCG users 7 days a week between the hours of 0700-1900 EST as described in 2.1.4 requirements.  | Proof is considered to be a copy of a letter of offer, or a copy of a previous contract for service, or a letter from an acceptable authority, or equivalent, and must be provided with the bid.   |  |  |  |
| <b><u>M8</u></b> | Contractor must demonstrate their capacity to provide all necessary manuals and documentation in both English and French as per 2.1.6 requirements.   | Proof is considered to be a copy of a letter of offer, or a copy of a previous contract for service, or a letter from an acceptable authority, or equivalent, or a copy/access to the required manuals and documentation and must be   |  |  |  |

|           |  |   |  |  |  |
|-----------|--|---|--|--|--|
|           |  | provided with the bid.  |  |  |  |
| <b>M9</b> | Contractor must demonstrate their ability to deliver four identical PENS to Burlington ON within the CCG set budget. | Proof is considered to be an accurate quotation within the CCG set budget |  |  |  |

#### 4.1.1.2 Point Rated Technical Criteria

| <b>No</b>   | <b><u>Rated Technical Criterion</u></b>   | <b><u>Points Breakdown</u></b>   | <b><u>Cross Reference to Proposal</u><br/><u>[Bidder to provide]</u></b> | <b><u>Points obtained (DFO use only)</u></b> |
|---|---|--|--|--|
| <b><u>R1</u></b>  | Contractor must demonstrate their experience in delivering similar navigation simulators, during the last 5 years, by providing proof with a copy of previous contract details including name of clients, location of delivery and a detailed description of the delivered simulator. | 10 points if contractor has delivered 10+ similar navigation simulators;<br>5 points if contractor has delivered 4-9 similar navigation simulators;<br>3 points if contractor has delivered 3 similar navigation simulators. |  |  |
| <b><u>R2</u></b>  | Contractor must indicate which features, referenced in 2.1.1.17, will be included with the PENS Instructor Station  | 5 points if all features listed are included;<br>3 points if 7-9 listed features are included; and<br>1 point if 6 features are included   |  |  |
| <b><u>R3</u></b>  | Contractor must indicate which features, referenced in para 2.1.1.18, will be included with the PENS Student Station.   | 5 points if 9-12 features listed are included; and<br>3 points if 8 features are included  |  |  |
| <b>Total Maximum Points (Minimum 7 points required)</b> |   | <b>20</b>  |  |  |

#### 4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, applicable taxes excluded, Delivery Duty Paid (DDP) Incoterms 2010, Canadian customs duties and excise taxes included.

The maximum funding available for the Contract resulting from the bid solicitation is \$450,000.00 CAD (Applicable Taxes extra). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

#### 4.2 Basis of Selection – Highest Rated Within Budget

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation;
  - b. meet all mandatory technical evaluation criteria; and
  - c. obtain the required minimum of 7 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 20 points.

2. Bids not meeting (a) or (b) or (c) will be declared non responsive.. The responsive bid with the highest number of points will be recommended for award of a contract, provided that the total evaluated price does not exceed the budget available for this requirement.

## **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 declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

### **5.2 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 provided 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) (<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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) 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.

### **5.2.3 Additional Certifications Precedent to Contract Award**

#### **5.2.3.1 Education and Experience**

**5.2.3.1.1** SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

## **PART 6 - RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### **6.1 Security Requirements**

**6.1.1** There is no security requirement applicable to the Contract.

### **6.2 Requirement**

The Contractor must supply the items detailed at Annex "C" attached hereto and all in accordance with the Statement of Work at Annex "A" attached hereto and all in accordance with the terms and conditions of this Contract.

### **6.3 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.

#### **6.3.1 General Conditions**

[2010A](#) (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

#### **6.3.2 Supplemental General Conditions**

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

[4003](#) (2010-08-16), Licensed Software, apply to and form part of the Contract.

### **6.4 Term of Contract**

#### **6.4.1 Period of the Contract**



The period of the Contract is from date of contract award to 60 months following contract award.

#### **6.4.2 Delivery Date**

Delivery of Item #1 – Annex “C” - Basis of Payment is requested within 6 weeks of contract award.

Delivery of Item #2 – Annex “C” - Basis of Payment is requested within 12 weeks of contract award.

#### **6.4.5 Delivery Points**

Delivery of the requirement will be made to delivery point(s) specified at Annex “C” of the Contract.

### **6.5 Authorities**

#### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Brenden Holmes  
Supply Team Leader  
Public Works and Government Services Canada  
Acquisitions Branch  
Electronics, Munitions and Tactical Systems Procurement Directorate  
11 rue Laurier, PDP Phase III, Gatineau, QC K1A 0S5  
Telephone: 819-664-6516  
E-mail address: [brenden.holmes@tpsgc-pwgsc.gc.ca](mailto:brenden.holmes@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.

#### **6.5.2 Technical Authority**

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical Authority 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.

### 6.5.3 Contractor's Representative (Bidder to complete)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Email: \_\_\_\_\_

### 6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2019-01](#) of the Treasury Board Secretariat of Canada.

### 6.7 Payment

#### 6.7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex "C" for a cost of \$ \_\_\_\_\_ (to be inserted at contract award). Customs duties are included and Applicable Taxes are extra.

#### 6.7.2 Limitation of Expenditure

#### 6.7.2 Limitation of Price

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.

#### 6.7.3 Multiple Payments

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

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

#### 6.7.4 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);
- e. Wire Transfer (International Only);

## **6.8 Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a) The original must be forwarded to the following address for certification and payment:

SAR Manager – Ops  
200 Kent Street, 5<sup>th</sup> floor  
Ottawa ON K1A 0E6
  - b) One (1) copy must be forwarded to the Contracting Authority and the Technical Authority identified under the section entitled "Authorities" of the Contract.

## **6.9 Certifications and Additional Information**

### **6.9.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

## **6.10 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

## **6.11 Priority of Documents**

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

- (a) the Articles of Agreement;

- (b) the supplemental general conditions 4001 (2015-04-01), Hardware Purchase, Lease and Maintenance;
- (c) the supplemental general conditions 4003 (2010-08-16), Licensed Software;
- (d) the general conditions 2010A (2020-05-28), General Conditions - Goods (Medium Complexity);
- (e) Annex A, Statement of Work;
- (f) Annex C, Basis of Payment;
- (g) the Contractor's bid dated \_\_\_\_\_ (to be inserted at contract award).

#### **6.12 Dispute Resolution**

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

Solicitation No. - N° de l'invitation  
F5411-300004/A  
Client Ref. No. - N° de réf. du client  
F5411-300004

Amd. No. - N° de la modif.  
File No. - N° du dossier  
130qf-F5411-300004

Buyer ID - Id de l'acheteur  
130qf  
CCC No./N° CCC - FMS No./N° VME

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## **ANNEX "A"**

### **Statement of Work**

**(see attached)**

DRAFT

Solicitation No. - N° de l'invitation  
F5411-300004/A  
Client Ref. No. - N° de réf. du client  
F5411-300004

Amd. No. - N° de la modif.  
File No. - N° du dossier  
130qf-F5411-300004

Buyer ID - Id de l'acheteur  
130qf  
CCC No./N° CCC - FMS No./N° VME

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## **ANNEX “B” to PART 3 OF THE BID SOLICITATION**

### **ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

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

Solicitation No. - N° de l'invitation  
F5411-300004/A  
Client Ref. No. - N° de réf. du client  
F5411-300004

Amd. No. - N° de la modif.  
File No. - N° du dossier  
130qf-F5411-300004

Buyer ID - Id de l'acheteur  
130qf  
CCC No./N° CCC - FMS No./N° VME

**ANNEX "C"**  
**Basis of Payment**

| Item | Description  | Quantity | Delivery Address               | Delivery Date Proposed | Unit Price | Extended Price, Applicable Taxes Extra |
|------|--|----------|--------------------------------|------------------------|------------|--|
| 1    | Portable Electronic Navigation Simulator (PENS) including: instructor and student stations, hardware, software, transportation case(s), technical support "hotline" and all required documentation | 4        | Burlington, Ontario<br>L7A 1A1 |                        |            |  |
| 2    | Instructor Training Course (for up to 12 people)   | 1        | Ottawa, Ontario                |                        |            |  |
|      |  |          |                                |                        | Sub total  |  |
|      |  |          |                                |                        | Taxes      |  |
|      |  |          |                                |                        | Total      |  |



Fisheries and Oceans  
Canada

Canadian  
Coast Guard

Pêches et Océans  
Canada

Garde côtière  
canadienne



*Statement of Work*

# ***Portable Electronic Navigation Simulators (PENS)***

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**Record of Amendments**

| #            | Date          | Description               | Initials |
|--------------|---------------|---------------------------|----------|
| <b>V1</b>    | May 2020      | First elaboration         | LD       |
| <b>V2</b>    | November 2020 | Detailed description      | LD       |
| <b>V3</b>    | March 2021    | Rewrite of SOW            | RC       |
| <b>V3.1</b>  | March 2021    | First review of SOW       | RC       |
| <b>V3.2</b>  | April 2021    | Correction of version 3.1 | RC       |
| <b>V3.3</b>  | May 2021      | Review of 3.2             | RC       |
| <b>V3.33</b> | June 2021     | Final version             | RC       |

**Approvals**

|                          |                 |
|--------------------------|-----------------|
| NATIONAL PROJECT MANAGER | Approved: _____ |
| Sheyla Dussault          | Date: _____     |
| RESPONSIBLE DIRECTOR     | Approved: _____ |
| Jason Rimmer, Dir SAR    | Date: _____     |

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## Section 1 SCOPE

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The Canadian Coast Guard (CCG), on behalf of the Minister of Fisheries and Oceans, is responsible to provide the personnel, assets and infrastructure for maritime Search and Rescue (SAR) services in Canada's waters of federal jurisdiction. Canada's SAR personnel serve around the clock, putting their own lives at risk to assist mariners in distress regardless of the weather and location.

SAR is a "no-fail" mission. With the great majority of goods entering and leaving Canada through shipping, SAR is directly linked to national economic prosperity as safe waters preserves mariners' trust that help will come in time of need. To serve Canada to the best of its capacity, Coast Guard invests in training, technology and other means to enhance its service delivery.

Portable Electronic Navigation Simulation, PENS, training equipment has been identified as a need by the CCG. Missions are often performed in challenging conditions, requiring responders to demonstrate strong skills in vessel handling and electronic navigation. The provision of these simulators will allow CCG regional personnel and SAR partners to develop and maintain electronic navigation skills and undertake training missions that depend on variables that are difficult to reproduce consistently (e.g. weather conditions, visibility, and sea state).

### 1.1 OBJECTIVES

Contractor to provide four identical portable electronic navigation simulator systems to the CCG. Each PENS will be accompanied by the required transportation container. Contractor to deliver an instructor training course to a minimum of eight CCG personnel and up to a maximum of 12. Required documentation for simulator components, software and hardware as well as training material will be provided in both English and French. Documentation will be distributed in form of hard and soft copy. Finally, the Contractor will provide technical support services to the CCG as per requirements.

### 1.2 BACKGROUND

CCG SAR personnel, along with other SAR partners, undertake extensive training to ensure that they can deliver the highest levels of service to Canadians, no matter the conditions. Electronic navigation skills have been identified as some of the most critical skills that SAR personnel need to possess in order to perform their jobs effectively and ensure that the safety of crew remains forefront to each mission. Successful maintenance of electronic navigation skills requires not only thorough familiarity with radar and navigation hardware systems but also opportunities to exercise these skills regularly, in a variety of conditions, including night, restricted visibility and heavy weather sea states. These variables are difficult to reliably reproduce in conjunction with on-water training opportunities.

## 1.3 TERMINOLOGY

In order to frame the terminology utilized in this document, the following definitions are provided:

| Acronym or Term       | Description of Definition                        |
|-----------------------|--|
| CCG                   | Canadian Coast Guard                             |
| CCGA                  | Canadian Coast Guard Auxiliary                   |
| Class A,B,C simulator | Refer to DNV Standard regulation for description |
| DNV                   | Det Norske Veritas                               |
| ECS                   | Electronic Chart System                          |
| ENC                   | Electronic Navigation Chart                      |
| GMDSS                 | Global Maritime Distress and Safety System       |
| GPS                   | Global Positioning System                        |
| RCMP                  | Royal Canadian Mounted Police                    |
| RFP                   | Request for Proposals                            |
| SAR                   | Search and Rescue                                |
| SAT                   | System Acceptance Test                           |
| SEN-L                 | Simulated Electronic Navigation - Limited        |
| TA                    | Technical Authority                              |

## Section 2      **REQUIREMENTS**

---

Contractor must deliver 4 identical PENS with transportation method. Contractor must provide training, maintenance services and documentation. The work will include, but not be limited to, the following:

### **2.1.1      Requirements for Portable Electronic Navigation Simulator**

- 2.1.1.1**      Delivery of a portable, Class C, Limited Task Electronic Navigation Simulator, as per Det Norske Veritas accreditation for a Class C – NAV simulator (or above), including all additional requirements for simulators intended for training, as per DNVGL-ST-0033 Maritime simulator system, current edition.
- 2.1.1.2**      Each PENS will include one instructor station and a minimum of four student stations.
- 2.1.1.3**      PENS hardware must include all necessary components for instructor and student workstations to be fully operational. All components must be included upon delivery. These components must include, but not limited to monitors, keyboards, mouse, speakers, headsets, necessary power adapter, visual and network cabling and adequate processing hardware.
- 2.1.1.4**      PENS must offer a minimum of two display outputs and necessary processing power to operate all workstations at full capacity.
- 2.1.1.5**      PENS must include a high speed network card and a graphics card to run all workstations simultaneously without lagging.
- 2.1.1.6**      PENS must have an internet connection capable of automatically downloading updates, patches, scenarios and all necessary software related updates to ensure proper functionality of the software.
- 2.1.1.7**      PENS must be able to operate independent of internet to accommodate locations without reliable connectivity (e.g.: Canadian Arctic)

- 2.1.1.8** PENS components must be capable of operating on Canadian input power configurations and be compatible with Standard type B socket.
- 2.1.1.9** PENS must include a module that will protect it from power fluctuation that could have an effect on the system.
- 2.1.1.10** PENS must feature a conning station that includes, at minimum, throttle controls, engine RPM, compass, steering control and tachometer.
- 2.1.1.11** PENS system must feature a library of geographical area models that includes a minimum of four Canadian ports with their adjacent waters. Adjacent waters will be consider to be a minimum of 2nm from port.
- 2.1.1.12** Contractor must offer the possibility to develop geographical area required by the client if not already available.
- 2.1.1.13** PENS system must feature a library of Ownship models, including ,but not limited to, small vessel ( less then 10 metres in length). Library must contain a minimum of 5 Ownship models.
- 2.1.1.14** Contractor must offer the possibility to develop Ownship model to the specification of the client.
- 2.1.1.15** PENS must feature a library of Target ship models. Library must contain a minimum of 10 target ships.
- 2.1.1.16** PENS must offer a selection of already developed training scenario(s). PENS must offer a minimum of 1 training scenario.
- 2.1.1.17** PENS Instructor station must include, at minimum, six of the following features: multi-lingual interface, real, slow and fast time mode; instructor control during simulator session; playback option; scenario development; control of the atmospheric environment; control of target visual, sound and light signal; recording of exercise; interactive group exercise; cloud base module for extra training and remote delivery.
- 2.1.1.18** PENS Student station must include, at minimum, eight of the following features: Simulated VHF communication; full manipulation of RADAR tool; RADAR that displays environment factors; High fidelity display of the Ownship station; AIS

module; Echo sounder; magnetic compass; gyro repeater; Doppler log; large angle head's up display; auto pilot function and anchor control.

- 2.1.1.19** PENS must include realistic and graphic rendering of objects and environments as well as high accuracy data presentation for both the Instructor and student workstations.
- 2.1.1.20** PENS must have a minimum of two of the following module available, if not already included: Search and Rescue, High Speed craft, Tug handling, Oil spill response and Ice functionality.
- 2.1.1.21** PENS will be accompanied by manuals and documentation that explains the function and required maintenance for all software, hardware and components of the simulator.

## **2.1.2 Requirements of Transportation Container**

- 2.1.2.1** Delivery of a transportation container for each PENS to contain all components of the simulator
- 2.1.2.2** Container must be able to carry all hardware and components in a container(s) that can be carried by no more than two persons.
- 2.1.2.3** Container must be suitable for transport via land, air and sea vehicles.
- 2.1.2.4** Container must be suitable to transport computers and electronics.
- 2.1.2.5** The weight of the container will require adherence to weight limitations to protect employee health and safety when transporting the systems, please refer to Canada Occupational Health and Safety Regulation, current edition.
- 2.1.2.6** Container must offer crushproof protection against impact, vibration and shock.
- 2.1.2.7** Container must be made of impact resistant material that can withstand harsh temperature changes.
- 2.1.2.8** Container must be a watertight storage
- 2.1.2.9** Container must include a locking option

## 2.1.3 Requirements of Training

- 2.1.3.1** Contractor must deliver a comprehensive instructor training course in English. The duration of the training will be a minimum of three days lasting no more than five days. Course will be delivered to a minimum of eight CCG instructors and up to a maximum of 12.
- 2.1.3.2** Delivery of an instructor training course to cover, at minimum, subject area for SEN L course as described in Transport Canada TP 4958 for SEN-L, Chapter 7;
- 2.1.3.3** Training course must demonstrate proper simulator setup and tear down, use of all simulators features, troubleshooting and maintenance expected to be completed, by the user without the need to contact the 'hotline'. Maintenance may include but not limited to: upload patches to the system, installation of new updates, upload new scenarios, etc.
- 2.1.3.4** Training will include the creation of an initial library of training scenarios to be utilized for course delivery.
- 2.1.3.5** Delivery of instructor training course to be delivered in person in Ottawa at a location provided by the CCG, if current national and provincial health regulations allow or virtually, if not.
- 2.1.3.6** Contractor to deliver a draft of the training documents with the objectives and requirements defined for review and acceptance prior to the training.



## **2.1.4 Requirement for Client Services**

- 2.1.4.1** Contractor must provide a toll-free ‘hotline’ that CCG users across Canada can contact for assistance with problems they have using the system provided by the Contractor. This hotline must be available from 7AM until 7PM Eastern Standard Time seven days a week, excluding statutory holidays in Canada. The hotline must be staffed by individuals who are knowledgeable about the system provided by the Contractor and who can provide information and advice to users in either English or French, depending on the caller’s language preference.
- 2.1.4.2** The individuals must respond to 98% of the CCG requests made through the hotline within 2 hours and provide a solution within 3 hours. Temporary or work around solutions must be followed up with a proposal to implement a corrective solution within 12 hours time frame and commitment to implement corrective solution within 24 hours time frame.
- 2.1.4.3** The ‘hotline’ will be provide by voice, chat and/or videoconference.
- 2.1.4.4** Contractor to provide “hotline” services, as per above, for a minimum of 5 years.

## **2.1.5 Requirements for Maintenance and support**

- 2.1.5.1** Contractor to support objectives including the equipment being maintained over its service life-cycle, the equipment’s ability to interface with Coast Guard personnel and partners, ease of transportation and setup, as well as standardization and interoperability.
- 2.1.5.2** CGG personnel will conduct maintenance of the PENS following the recommendations and instructions provided by the Contractor. If assistance is required, CCG personnel will be able to contact the technical support ‘hotline’ as define in section 2.1.4 of the requirements.

## 2.1.6 Requirements for Documentation

- 2.1.6.1** Contractor must provide technical manuals including administrator system maintenance instructions and instructor manuals in both English and French for each PENS. These will be provided in easily accessible PDF format.
- 2.1.6.2** All manuals and documentation will be provided, with each PENS, as a hard copy as well as installed on each instructor station system in PDF format. Another copy, in PDF format, will be provided with each PENS on a USB.

## Section 3 DELIVERABLES

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Contractor will deliver four complete and identical PENS as described in the requirements. Each PENS will be accompanied by the required transportation container. Contractor is responsible to deliver an instructor training course of a minimum of three days and no more than five days in Ottawa in a location provided by the CCG. The Instructor course will cover the operation of the system as well as how to maintain it. The product must include manuals, specification sheets and maintenance documentation in both French and English. Contractor is responsible to provide technical assistance via a 'hotline' as per requirements 2.1.4. Contractor will deliver all requirements within the set budget of the CCG. Doing so, Contractor will provide a System requirements checklist that covers all requirements mentioned in section 2.

### 3.1 DELIVERY LOCATIONS

Four PENS, their transportation container and all documentation will be delivered to a CCG office in Burlington, Ontario located in postal code area L7S 1A1. Each PENS will be identical with components, software, hardware, transportation container and documentation. Address and contact information for the Burlington office will be confirmed by the technical authority at a later date.

### 3.2 METHOD AND SOURCE OF ACCEPTANCE

The Technical Authority will act as the CCG representative and will receive the equipment and review the work provided by the Contractor's resources, training and hotline, and determine whether the equipment and service meets requirements detailed in section 2.

At delivery, Contractor, in conjunction with technical authority and other CCG representative(s) will conduct a System Acceptance Test (SAT) to ensure all components and software are functioning properly and fulfill PENS requirements defined in section 2.1.1., for each PENS. SAT will be completed in the presence of a CCG representative under the supervision of the TA at the CCG Burlington office. A SAT will be conducted for each simulator and all of its software and hardware components as per PENS requirements. SAT will have to be satisfactory to TA; a form indicating that a SAT has been performed with a description of the components tested will be provided by the contractor.

### 3.3 TRAINING

By the end of training session, participants will be capable of using all functions of the simulators. They will be able to teach electronic navigation skills using scenarios and feedback functions offered by the simulator. Participants will be able to develop their own scenarios to respond better to their client needs. Training participants will acquire sufficient knowledge in order to keep the simulator up-to-date and in good working order.

### **3.4 PROJECT MANAGEMENT AND CONTROL PROCEDURES**

The Contractor will provide the TA with, as a minimum, a delivery plan including equipment delivery dates, delays, training schedule and ‘hotline’ demonstration. The delivery plan will coincide with payment schedule to be confirmed after contract signature. The plan will be provided to TA via written document in email, virtual meeting or as deemed appropriate by the TA.

## **ANNEX**

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### **ANNEX A REFERENCES**

- Det Norske Veritas (DNV) Standard DNVGL-ST-0033 - Maritime Simulator Systems, Current Edition
- Government of Canada, Department of Justice, Canada Labour Code Part 2, Current Edition
- Canada Occupational Health and Safety Regulations, Current edition
- Treasury Board of Canada Secretariat – Policy on Government Security, July 1, 2019
- Treasury Board of Canada Secretariat – Policy on Service and Digital, April 1, 2020
- Government of Canada, Transport Canada Marine Safety Directorate Publication TP 4958 E, Simulated Electronic Navigation Courses, current edition
- International Regulations for Preventing Collisions at Sea, 1972 with Canadian Modifications
- International Association of Lighthouse Authorities, Maritime Buoyage System for Region B