



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

Bid Receiving/Réception des soumissions  
Royal Canadian Mounted Police  
Procurement & Materiel Management  
80 Garland Avenue Mailstop 66  
Dartmouth NS B3B 0J8

**REQUEST FOR  
PROPOSAL**

**DEMANDE DE  
PROPOSITION**

Proposal to: Royal Canadian Mounted Police

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 : Gendarmerie royale du 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 appendices 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> GNSS Hybrid Robotic Total Stations for delivery to New Brunswick		<b>Date</b> December 24, 2021
<b>Solicitation No. – N° de l’invitation</b> 202203343B		
<b>Client Reference No. - No. De Référence du Client</b>		
<b>Solicitation Closes – L’invitation prend fin</b>		
<b>At / à :</b>	1:30 PM	AST (Atlantic Standard Time) HNA (heure normale de l’Atlantique)
<b>On / le :</b>	February 3, 2022	
<b>Delivery - Livraison</b> See herein — Voir aux présentes	<b>Taxes - Taxes</b> See herein — Voir aux présentes	<b>Duty – Droits</b> See herein — Voir aux présentes
<b>Destination of Goods and Services – Destinations des biens et services</b> See herein — Voir aux présentes		
<b>Instructions</b> See herein — Voir aux présentes		
<b>Address Inquiries to – Adresser toute demande de renseignements à</b> <a href="mailto:rosalee.parsons@rcmp-grc.gc.ca">rosalee.parsons@rcmp-grc.gc.ca</a>		
<b>Telephone No. – No. de téléphone</b> (902) 720-5112	<b>Facsimile No. – No. de télécopieur</b> (902) 426-7136	

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



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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement associated with the requirement.

### **1.2 Requirement**

The requirement is detailed under Appendix A "Requirement".

### **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. Recourse Mechanisms**

If you have any concerns relating to the procurement process, please refer to the [Recourse Mechanisms](#) page on the Buyandsell.gc.ca website. Please note that there are strict deadlines for filing complaints with the Canadian International Trade Tribunal (CITT) or the [Office of the Procurement Ombudsman \(OPO\)](#).

<https://buyandsell.gc.ca/for-businesses/selling-to-the-government-of-canada/bid-follow-up/bid-challenge-and-recourse-mechanisms>

<http://opo-boa.gc.ca/plaintesurvol-complaintoverview-eng.html>

### **1.5 COVID-19 vaccination requirement**

This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.



## **PART 2 - BIDDER INSTRUCTIONS**

This bid solicitation cancels and supersedes previous bid solicitation number 202203343 dated November 8, 2021 with a closing of December 2, 2021 at 1:30 PM AST. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

### **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.

Revision to Departmental Name: As this solicitation is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

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 RCMP Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

NOTE: The RCMP has not been approved for bid submission by epost Connect service.

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

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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.



## **2.4 Applicable Laws**

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

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.

## **2.5 Promotion of Direct Deposit Initiative**

The following information is not related to the solicitation process:

An initiative within the Government of Canada called the Cheque Standardization Project has been established whereby eventually for all payments, cheque stubs will no longer be printed and, with few exceptions, will be processed via direct deposit. This option is only available when payment is made in Canadian dollars for deposit into a Canadian bank account. In an attempt to be proactive, RCMP Corporate Accounting is promoting the registration of RCMP suppliers for the upcoming change in the payment process.

If you are the successful bidder on this or any other RCMP requirement, you are encouraged to register with the RCMP for direct deposit. Please contact RCMP Corporate Accounting by email to receive a form entitled *Recipient Electronic Payment Registration Request* along with instructions for completion of the form.

Should you have any questions regarding the Cheque Standardization Project or if you want to register, please contact the following email: [corporate\\_accounting@rcmp-grc.gc.ca](mailto:corporate_accounting@rcmp-grc.gc.ca)



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## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Canada requests that Bidders submit their bids in separately bound sections as follows:

**Section I:** Technical Bid (2 hard copies)

**Section II:** Financial Bid (1 hard copy)

**Section III:** Certifications (1 hard copy)

Prices should appear in the financial bid only. No prices should be indicated in any other section of the bid.

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

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

#### **Section I: Technical 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 the Basis of Payment.

##### **3.1.1 Exchange Rate Fluctuation**

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

#### **Section III: Certifications**

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



**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**

The Mandatory Technical Criteria is detailed in Appendix C Mandatory and Point Rated Technical Criteria.

**4.1.1.2 Point Rated Technical Criteria**

The Point Rated Technical Criteria is detailed in Appendix C Mandatory and Point Rated Technical Criteria.

**4.1.2 Financial Evaluation**

SACC *Manual* Clause [A0222T](#) (2014-06-26), Evaluation of Price-Canadian/Foreign Bidders

**4.2 Basis of Selection**

**4.2.1 Basis of Selection – Highest Combined Rating of Technical Merit and Price**

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation; and
  - b. meet all mandatory criteria.
2. Bids not meeting "(a) or (b)" will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 10 % for the technical merit and 90 % for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 10%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 90 %.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

	<b>Bidder 1</b>	<b>Bidder 2</b>	<b>Bidder 3</b>
<b>Overall Technical Score</b>	115/135	89/135	92/135



<b>Bid Evaluated Price</b>		\$55,000.00	\$50,000.00	\$45,000.00
<b>Calculations</b>	<b>Technical Merit Score</b>	115/135 x 60 = 51.11	89/135 x 60 = 39.56	92/135 x 60 = 40.89
	<b>Pricing Score</b>	45/55 x 40 = 32.73	45/50 x 40 = 36.00	45/45 x 40 = 40.00
<b>Combined Rating</b>		83.84	75.56	80.89
<b>Overall Rating</b>		1 <sup>st</sup>	3rd	2nd

## 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 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.

#### 5.1.1 Integrity Provisions

In accordance with the section titled Information to be provided when bidding, contracting, or entering into a real property agreement subject to 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:

- Declaration of Convicted Offences - Integrity Declaration Form (as applicable)
- Required Documentation (List of names for integrity verification form)

Please see the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaires-forms-eng.html) website for further details (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaires-forms-eng.html>).

#### 5.1.2 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.





### 5.1.3 Additional Certifications Precedent to Contract Award

#### 5.1.3.1 Independent Bid Determination

The attached Certificate of Independent Bid Determination (attached Attachment 2 to Part 5) has been developed by the federal Competition Bureau for use by the Contracting Authority when calling for bids, tenders or quotations. The intention of this documentation is to deter bid-rigging by requiring bidders to disclose, to the Contracting Authority, all material facts about any communications and arrangements which the bidder has entered into with competitors regarding the call for tenders.

#### 5.1.3.2 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 ( )



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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.

**5.1.3.3 COVID-19 Vaccination Requirement certification**

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.



**Attachment 1 to PART 5**

**COVID-19 Vaccination Requirement Certification**

I, \_\_\_\_\_ (*first and last name*), as the representative of  
\_\_\_\_\_ (*name of business*) pursuant to  
\_\_\_\_\_ (*insert solicitation number*), warrant and certify that all  
personnel that \_\_\_\_\_ (*name of business*) will provide on the  
resulting Contract who access federal government workplaces where they may come into contact with  
public servants will be:

- (a) \_\_\_\_\_ fully vaccinated against COVID-19 with Health  
Canada-approved COVID-19 vaccine(s); or
- (b) \_\_\_\_\_ for personnel that are unable to be vaccinated due  
to a certified medical contraindication, religion or other prohibited grounds of discrimination under the  
*Canadian Human Rights Act*, subject to accommodation and mitigation measures that have been  
presented to and approved by Canada;

until such time that Canada indicates that the vaccination requirements of the COVID-19 Vaccination  
Policy for Supplier Personnel are no longer in effect.

I certify that all personnel provided by \_\_\_\_\_ (*name of business*) have been notified  
of the vaccination requirements of the Government of Canada's COVID-19 Vaccination Policy for Supplier  
Personnel, and that the \_\_\_\_\_ (*name of business*) has certified to their compliance with this  
requirement.

I certify that the information provided is true as of the date indicated below and will continue to be true for  
the duration of the Contract. I understand that the certifications provided to Canada are subject to  
verification at all times. I also understand that Canada will declare a contractor in default, if a certification  
is found to be untrue, whether made knowingly or unknowingly, during the bid or contract period. Canada  
reserves the right to ask for additional information to verify the certifications. Failure to comply with any  
request or requirement imposed by Canada will constitute a default under the Contract.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

***Optional***

For data purposes only, initial below if your business already has its own mandatory vaccination policy or  
requirements for employees in place. Initialing below **is not** a substitute for completing the mandatory  
certification above.



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Initials: \_\_\_\_\_

Information you provide on this Certification Form and in accordance with the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel will be protected, used, stored and disclosed in accordance with the Privacy Act. Please note that you have a right to access and correct any information on your file, and you have a right to file a complaint with the Office of the Privacy Commissioner regarding the handling of your personal information. These rights also apply to all individuals who are deemed to be personnel for the purpose for the Contract and who require access to federal government workplaces where they may come into contact with public servants.



**Attachment 2 to PART 5**

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

I, the undersigned, in submitting the accompanying bid or tender (hereinafter "bid") to:

\_\_\_\_\_  
(Corporate Name of Recipient of this Submission)

for: \_\_\_\_\_  
(Name and Number of Bid and Project)

in response to the call or request (hereinafter "call") for bids made by:

\_\_\_\_\_  
(Name of Tendering Authority)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:  
(Corporate Name of Bidder or Tenderer [hereinafter "Bidder"])

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the Bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the Bidder;
4. each person whose signature appears on the accompanying bid has been authorized by the Bidder to determine the terms of, and to sign, the bid, on behalf of the Bidder;
5. for the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the Bidder, whether or not affiliated with the Bidder, who:
  - a. has been requested to submit a bid in response to this call for bids;
  - b. could potentially submit a bid in response to this call for bids, based on their qualifications, abilities or experience;
6. the Bidder discloses that (check one of the following, as applicable):
  - a. the Bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with, any competitor;
  - b. the Bidder has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this call for bids, and the Bidder discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;



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7. in particular, without limiting the generality of paragraphs (6)(a) or (6)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

- a. prices;
- b. methods, factors or formulas used to calculate prices;
- c. the intention or decision to submit, or not to submit, a bid; or
- d. the submission of a bid which does not meet the specifications of the call for bids;

except as specifically disclosed pursuant to paragraph (6)(b) above;

8. in addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the products or services to which this call for bids relates, except as specifically authorized by the Tendering Authority or as specifically disclosed pursuant to paragraph (6)(b) above;

9. the terms of the accompanying bid have not been, and will not be, knowingly disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening, or of the awarding of the contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (6)(b) above.

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(Printed Name and Signature of Authorized Agent of Bidder)

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(Position Title)

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(Date)



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## **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 provide the items detailed under the "Requirement" at Annex "A".

#### **6.2.1 Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at "Requirement" at Annex "A" of the Contract under the same conditions and at the prices and/or 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.

### **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.

Revision to Departmental Name: As this contract is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

#### **6.3.1 General Conditions**

[2010A](#) (2021-12-02), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

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

[2010C](#) (2021-12-02), General Conditions - Services (Medium Complexity) 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 to March 31, 2023 inclusive.

#### **6.4.2 Delivery Date**

All the deliverables must be received on or before March 31, 2022.

#### **6.4.3 Delivery Points**



Delivery of the requirement will be made to delivery point specified at Annex A of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Rosalee Parsons
Title: Team Leader
Royal Canadian Mounted Police
Procurement and Contracting Branch
Telephone: 902-720-5112
E-mail address: rosalee.parsons@rcmp-grc.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 Project Authority

The Project Authority for the Contract is: (to be completed upon contract award)

Name: \_\_\_\_\_
Title: \_\_\_\_\_
Organization: \_\_\_\_\_
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_
Facsimile: \_\_\_\_\_
E-mail address: \_\_\_\_\_

The Project 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 Project Authority, however the Project 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

Name: \_\_\_\_\_
Title: \_\_\_\_\_
Organization: \_\_\_\_\_
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_
Facsimile: \_\_\_\_\_
E-mail address: \_\_\_\_\_





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## **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 B for a cost of \$ \_\_\_\_\_ (amount to be inserted at contract award). Customs duties are excluded and Applicable Taxes are extra.

### **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.

## **6.8 Invoicing Instructions**

6.8.1 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.

6.8.2 Invoices must be distributed as follows:

- a. The original and one (1) copy must be forwarded to the Project Authority for certification and payment.
- b. One (1) copy must be forwarded to the Contracting 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 New Brunswick.

## **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. Supplemental General Conditions [2010C](#) (2021-12-02), General Conditions - Services (Medium Complexity);
- c. the general conditions [2010A](#) (2021-12-02), General Conditions - Goods (Medium Complexity);
- d. Annex A, Requirement;
- e. Annex B, Basis of Payment;
- f. the Contractor's bid dated \_\_\_\_\_ (date to be inserted at contract award).

## 6.12. Procurement Ombudsman

### 6.12.1 Dispute Resolution

The Parties agree to make every reasonable effort, in good faith, to settle amicably all disputes or claims relating to the Contract, through negotiations between the Parties' representatives authorized to settle. If the Parties do not reach a settlement within 25 working days after the dispute was initially raised to the other party in writing, either Party may contact the Office of the Procurement Ombudsman (OPO) to request dispute resolution/mediation services. OPO may be contacted by e-mail at [boa.opo@boa-opo.gc.ca](mailto:boa.opo@boa-opo.gc.ca), by telephone at 1-866-734-5169, or by web at [www.opo-boa.gc.ca](http://www.opo-boa.gc.ca). For more information on OPO's services, please see the [Procurement Ombudsman Regulations](#) or visit the [OPO website](#).

### 6.12.2 Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by the complainant respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met.

To file a complaint, the Office of the Procurement Ombudsman may be contacted by e-mail at [boa.opo@boa-opo.gc.ca](mailto:boa.opo@boa-opo.gc.ca), by telephone at 1-866-734-5169, or by web at [www.opo-boa.gc.ca](http://www.opo-boa.gc.ca).

## 6.13 Insurance

SACC *Manual* clause [G1005C](#) (2016-01-28) Insurance – No Specific Requirements



**ANNEX A REQUIREMENT**

The RCMP has a requirement for the supply and delivery of three (3) GNSS Hybrid Robotic Total Station on or before March 31, 2022 with three (3) options to purchase one (1) GNSS hybrid robotic total station and six (6) options to purchase one (1) data collector on or before March 31, 2023

Delivery Point:  
**RCMP J Div**  
**1445 Regent St.**  
**Fredericton, NB E3B 4Z8**  
**ATTN: Cpl. Laurent Lambert FCAT**  
**Telephone: (506) 476-3624**

**(Quantity of three (3) Units for Initial purchase and three (3) options to purchase one (1) additional unit each)**

<b>Item #</b>	<b>Specifications</b>
<b>1.</b>	<b>GNSS Hybrid Robotic Total Station</b>
1.1	Must have a minimum environmental operating air temperature range of -20°C to +50°C
1.2	Must have an angular accuracy of 5" or better
1.3	Must be able to rotate 360° and measure / record the angles and distances for each measurement point
1.4	Must have a minimum revolving rotation speed of 40° per second or better
1.5	Must have a functional reflector prism measuring capability (360° and standard)
1.6	Must have a functional reflector prism measuring accuracy of 1 to 3 mm
1.7	Must have a functional reflector prism minimum working distance of 500 m
1.8	Must have a minimum prism measurement distance of 2m or less
1.9	Must have a prism distance measurement speed of 1 to 3 seconds or better
1.10	Must have a functional reflectorless measuring capability
1.11	Must have a functional reflectorless measuring accuracy of 1 to 3 mm
1.12	Must have a functional reflectorless minimum working distance of 400 m
1.13	Must have a minimum reflectorless measurement distance of 1.5 m or less
1.14	Must have a reflectorless distance measurement speed of 1 to 3 seconds or better
1.15	Must be functional as a robotic and as a standard operator aimed (mechanical) instrument
1.16	Must have a telescope magnification of 30x or better
1.17	Must auto track on the prism when the robotic function is activated and target the centre of the prism
1.18	Must have a "find prism" feature if auto tracking is interrupted
1.19	Must be able to obtain measurements from a 360° prism or a standard prism
1.20	Must have a built in laser pointer that can be activated and shut off by the user
1.21	Must be able to functionally operate in all weather conditions (i.e.: rain, snow, bright sun, sleet, heat, dust, fog, wind gust up to 40 km/h) and be configured to measure under these conditions
1.22	Must have a minimum battery working range of 4 to 6 hours per battery
1.23	Batteries must be rechargeable
1.24	Must include one (1) spare battery (2 batteries total)
1.25	Must include an external battery charging system
1.26	Total station must not exceed 7 kg (battery included)
1.27	Must have a protective case
1.28	Must be able to internally store measurement data if there is no external data collector in use



1.29	Must have an external SD card or USB connector for data transfer
1.30	Must include an SD card or a USB Storage drive (minimum capacity of 1 GB)
1.31	Must be able to communicate with an external data collector wirelessly via a built in radio
1.32	Must have a minimum wireless total station / data collector communication range of 500 m (linear)
1.33	Must be able minimally to measure and record X, Y and Z data (i.e.: easting, northing and elevation)
1.34	Must have a functional and accurate leveling capability (i.e.: leveling bubble combined with digital leveling)
1.35	Must provide a mean to adjust manually the levelling of the instrument
1.36	Must have a built-in laser plummet
1.37	Must be a one person system operation
1.38	Must include any cables designed for the data transfer or software upgrades
1.39	Must have a view screen that is visible in bright sun light and in full darkness conditions
1.40	Fixed points and measurement data must be immediately written and stored in the internal memory when not using an external data collector and / or have a minimum of battery power to record the said data if a sudden power loss was to occur
1.41	Must be fastened to the tripod by way of a threaded bell to a serviceable metal tribrach
1.42	Must have a low-battery warning
1.43	Must have a "out-of-level" warning
1.44	Must come with an operator / manufacturer's manual (digital or hard copy)
1.45	Must be able to be fully operated either directly from the total station keyboard or the hand held pole mountable data controller
1.46	Must track prism without any further communication devices
1.47	Must be a fully integrated hybrid GNSS hybrid robotic total station system
1.48	Must include all cables, brackets, ancillary equipment and on board softwares needed for the total station to be operated (communicate, measure, record the measurements & data transfer) as a GNSS Hybrid robotic total station
1.49	Must have a complete physical alpha-numeric keyboard
<b>2.</b>	<b>Tripod</b>
2.1	Must be constructed of aluminium or carbon fiber or wood
2.2	Must have a threaded bell to fasten the tribrach / total station
2.3	Must have height-adjustable and locking legs for uneven terrain
2.4	Must be stable on asphalt, concrete, gravel, soil and icy surfaces
2.5	Must not weigh more than 8 kg (excluding total station)
2.6	Must be able to fold and be transportable by vehicle
2.7	Must have a carry strap and be transportable by a person
2.8	Must be between a minimum of 1.5 m long to a maximum of 2 m long (extended in folded configuration)
2.9	Must include all brackets required to hold the required ancillary equipment to operate the Hybrid GNSS Hybrid Robotic Total Station
<b>3.</b>	<b>Prism</b>
3.1	Must include a 360° prism
3.2	Prism must attach to the prism pole and all supplemental attachments required to fix the GNSS receiver (rover) with the prism must be provided
3.3	Must include a protective case
3.4	Prism must be recognized and tracked by the total station
<b>4.</b>	<b>Prism Pole</b>



4.1	Must be telescopic with a minimum working height of 1 m to a maximum working height of 3 m
4.2	Must have a visible height measurement adjustment scale which is graduated in metric
4.3	Must be adjustable and equipped with a locking mechanism
4.4	Must be made of aluminium or carbon fiber. Must not be primarily constructed of plastic or fiberglass
4.5	Must be able to attach a removable 360° or standard prism / GNSS receiver combination
4.6	Must have a circular levelling bubble
<b>5.</b>	<b>Software</b>
5.1	Measurement data must be able to convert into a variety of formats for use in Microsurvey Map 360 diagramming software
5.2	Must include the software to allow the communication of the GNSS Hybrid Robotic total station and a data collector.
5.3	Must include the software licenses for the total station, GNSS station and any other software necessary to operate the system.
5.4	Must include one (1) year of support and / or updates for all the softwares provided.
5.5	Must include the computer based software(s) necessary to prepare the measurement data for diagramming and any other final deliverable document (i.e.: PDF document for the end user / client)
<b>6.</b>	<b>Training</b>
6.1	Must include training (in english or french) for functionality of the total station, GNSS measuring system, data collector, prism, prism pole, tripod, on board software and data transfer. This training will not pertain on how to survey or measure a scene. Training will be for up to 3 persons. For reasons of security, training may not be held on RCMP premises. The training needs to be provided with an initial order only
6.2	Must include training (in english or french) for any computer based software. This training will be either web based, and/or by a digital manual
6.3	Training must be a minimum 1 full day (8 hours) and provided in Fredericton, New Brunswick. Instructor's travel and expenses are included in the training cost. RCMP will not reimburse those costs separately
6.4	Training date to be finalized with the Project Authority
<b>7.</b>	<b>Servicing</b>
7.1	Services / warranty and regular maintenance work must be performed within the Atlantic Region (Nfld & L, NS, PEI & NB) by an authorized service dealer and / or agent.
<b>8.</b>	<b>GNSS RTK Base / Rover</b>
8.1	Must include all the equipment required for the system to be operated as a hybrid GNSS robotic total system and allowing for an RTK (Real Time Kinematic) type of survey
8.2	Must be able to operate in and / or independently from a cellular network
8.3	Must be delivered fully operational and ready to be used as such
8.4	Must comply with ISO standard 17123-8 field measuring systems and Industry Canada Standards
8.5	Must have a minimum environmental operating air temperature range of -20°C to +50°C
8.6	Must have a minimum horizontal RTK positioning accuracy of 10mm and a minimum vertical RTK positioning accuracy of 15 mm
8.7	Must be able to functionally operate in all weather conditions (i.e.: rain, snow, bright sun, sleet, heat, dust, fog, wind gust up to 40 km/h) and be configured to measure under these conditions
8.8	Must have a minimum battery working range of 4 to 6 hours per battery (if removable battery)
8.9	Batteries must be rechargeable
8.10	Must include one (1) spare battery (2 batteries total)



8.11	Must include an external battery charging system
8.12	Must have a protective case
8.13	Must be able to communicate with an external data collector wirelessly via a built in radio
8.14	Must have a minimum wireless GNSS (base) antenna / data collector communication range of 500 m (linear)
8.15	Must have a minimum of 15° tilt compensation
8.16	Must be a one person system operation
8.17	Fixed points and measurement data must be immediately written and stored in the internal memory of the GNSS rover and/or have a minimum battery power to record the said data if a sudden power loss was to occur
8.18	Must have a low-battery warning
8.19	Must have a "out-of-level" warning if the system is tilted beyond the maximum allowable
8.20	Must come with an operator / manufacturer's manual (digital or hard copy)
8.21	Must be a fully integrated GNSS hybrid robotic total station system
8.22	Must include all cables, brackets, ancillary equipment and on board softwares needed for the GNSS measurement system to be operated (communicate, measure, record the measurements & data transfer) as a GNSS hybrid robotic total station
8.23	Must be compatible and mounted simultaneously with a prism & prism pole set up and be able to be fully operated from the hand held pole mountable data controller
8.24	Must be able to measure / record the positions and distances for each measurement point
8.25	Must be able to internally store measurement data when in use
8.26	Must have an external SD card or USB connector for data transfer
8.27	Must include an SD card or a USB Storage drive (minimum capacity of 1 GB)
8.28	Must at least support GPS, Glonass, Galileo and BeiDou satellite signals
8.29	Must have an initialization time for the RTK of less than 10 seconds with a reliability of more than 99.9%
8.30	An image point measurement capability is preferred

**(Six (6) options to purchase one (1) unit)**

**Data Collector**

<b>9.</b>	<b>Data Collector</b>
9.1	Must have a minimum operating temperature range of -20°C to +50°C
9.2	Must have a minimum battery working range of 8 hours
9.3	Must have an internal backup power to avoid the loss of measurement data in the case of a sudden loss of power
9.4	The data collector must be able to attach to the prism pole and must include all mounts / brackets needed to do so while in operational use
9.5	Must be able to connect to a Windows 10 Operating system to export the measurement data and any other data
9.6	Must be able to deliver an exported data file that is compatible with the Microsurvey Map 360 diagramming software
9.7	The screen must be clearly visible in direct sunlight and in full darkness lighting conditions
9.8	Must include a stylus (if applicable), all cables required for the data transfer (or software updates), mounts, brackets and all the required softwares to operate (communicate, measure, record the measurements & data transfer) the GNSS Hybrid Robotic total station system in all its configurations simultaneously (mechanical, robotic & GNSS)
9.9	Must have a rechargeable battery (internal and / or external)
9.10	Must weight less than 3 kg (battery included)



9.11	Must have an external SD card or USB connector for data transfer
9.12	Must include an SD card or a USB Storage Drive (minimum of 1 GB)
9.13	Must include a battery charging system
9.14	Must be able to code or input descriptions for each measurements (multiple attributes preferred)
9.15	Must be a wireless data collector and have a minimum data collector / total station communication range of 500 m with a built-in long range communication system
9.16	Must have a touch screen
9.17	Must have a minimum non-volatile internal storage memory of 1 GB and measurement data must be able to be stored in it
9.18	Must be a tablet or a keyboard data collector and possess a complete physical alpha-numeric keyboard
9.19	Must be capable of viewing the measured points graphically on the data collector's screen
9.20	Must be able to select two points on the viewing screen and obtain a horizontal measurement
9.21	Must have a unique address in the wireless communication protocol in order to avoid any interference in the said communication
9.22	Must have a low-battery warning
9.23	Must have an "out-of-level" warning if the total station is out of level
9.24	All components of the data collector operating system must be able to be backed up and transferred to an SD card or a USB Storage Drive in the event that a replacement data collector is required
9.25	Must be compatible for use with a Leica TS-06 Plus total station.
9.26	Must include a protective case



**ANNEX B BASIS OF PAYMENT**

Prices are in Canadian dollars, Applicable Taxes excluded, FOB destination, Freight included, Canadian customs duties and excise taxes included.

To be delivered on or before March 31, 2022.

Description	Qty (a)	Firm Unit Price (b)	Total Price (a x b) HST not included
GNSS Hybrid Robotic Total Station as per Annex A Requirement Items listed 1.1 to 8.30	3	\$_____ per unit	\$_____
Training	Up to 3 individuals*	\$_____ per person	\$_____

\*For evaluation purposes only the training portion will be calculated using a quantity of 3 individuals. The vendor will be paid for the actual amount of individuals trained.

**OPTIONAL GOODS**

To be delivered on or before March 31, 2023.

Description	Qty (a)	Firm Unit Price (b)	Total Price (a x b) HST not included
GNSS Hybrid Robotic Total Station as per Annex A Requirement Items listed 1.1 to 8.30	Up to 3	\$_____ per unit	\$_____
Data Collector as per Annex A Requirement Items listed 9.1 to 9.26	Up to 6	\$_____ per unit	\$_____





**ANNEX C Mandatory and Point Rated Technical Criteria**

**Mandatory Technical Criteria**

Bids submitted will be evaluated to confirm compliance with the mandatory requirements of the solicitation. Bids not meeting any one of the following mandatory criteria will be deemed non-compliant and will not be evaluated any further.

The Mandatory requirements are clearly identified and can be found below. Each bid will be evaluated against the mandatory checklist item by item.

Item #	Requirement	Location within the Proposal	Bidders Response
<b>1.</b>	<b>GNSS Hybrid Robotic Total Station</b>		
1.1	Must have a minimum environmental operating air temperature range of -20°C to +50°C		
1.2	Must have an angular accuracy of 5" or better		
1.3	Must be able to rotate 360° and measure / record the angles and distances for each measurement point		
1.4	Must have a minimum revolving rotation speed of 40° per second or better		
1.5	Must have a functional reflector prism measuring capability (360° and standard)		
1.6	Must have a functional reflector prism measuring accuracy of 1 to 3 mm		
1.7	Must have a functional reflector prism minimum working distance of 500 m		
1.8	Must have a minimum prism measurement distance of 2m or less		
1.9	Must have a prism distance measurement speed of 1 to 3 seconds or better		
1.10	Must have a functional reflectorless measuring capability		
1.11	Must have a functional reflectorless measuring accuracy of 1 to 3 mm		
1.12	Must have a functional reflectorless minimum working distance of 400 m		
1.13	Must have a minimum reflectorless measurement distance of 1.5 m or less		
1.14	Must have a reflectorless distance measurement speed of 1 to 3 seconds or better		
1.15	Must be functional as a robotic and as a standard operator aimed (mechanical) instrument		
1.16	Must have a telescope magnification of 30x or better		
1.17	Must auto track on the prism when the robotic function is activated and target the centre of the prism		



1.18	Must have a "find prism" feature if auto tracking is interrupted		
1.19	Must be able to obtain measurements from a 360° prism or a standard prism		
1.20	Must have a built in laser pointer that can be activated and shut off by the user		
1.21	Must be able to functionally operate in all weather conditions (i.e.: rain, snow, bright sun, sleet, heat, dust, fog, wind gust up to 40 km/h) and be configured to measure under these conditions		
1.22	Must have a minimum battery working range of 4 to 6 hours per battery		
1.23	Batteries must be rechargeable		
1.24	Must include one (1) spare battery (2 batteries total)		
1.25	Must include an external battery charging system		
1.26	Total station must not exceed 7 kg (battery included)		
1.27	Must have a protective case		
1.28	Must be able to internally store measurement data if there is no external data collector in use		
1.29	Must have an external SD card or USB connector for data transfer		
1.30	Must include an SD card or a USB Storage drive (minimum capacity of 1 GB)		
1.31	Must be able to communicate with an external data collector wirelessly via a built in radio		
1.32	Must have a minimum wireless total station / data collector communication range of 500 m (linear)		
1.33	Must be able minimally to measure and record X, Y and Z data (i.e.: easting, northing and elevation)		
1.34	Must have a functional and accurate leveling capability (i.e.: leveling bubble combined with digital leveling)		
1.35	Must provide a mean to adjust manually the levelling of the instrument		
1.36	Must have a built-in laser plummet		
1.37	Must be a one person system operation		
1.38	Must include any cables designed for the data transfer or software upgrades		
1.39	Must have a view screen that is visible in bright sun light and in full darkness conditions		
1.40	Fixed points and measurement data must be immediately written and stored in the internal memory when not using an external data collector and / or have a minimum of battery power to record the said data if a sudden power loss was to occur		
1.41	Must be fastened to the tripod by way of a threaded bell to a serviceable metal tribrach		
1.42	Must have a low-battery warning		
1.43	Must have a "out-of-level" warning		
1.44	Must come with an operator / manufacturer's		



	manual (digital or hard copy)		
1.45	Must be able to be fully operated either directly from the total station keyboard or the hand held pole mountable data controller		
1.46	Must track prism without any further communication devices		
1.47	Must be a fully integrated hybrid GNSS hybrid robotic total station system		
1.48	Must include all cables, brackets, ancillary equipment and on board softwares needed for the total station to be operated (communicate, measure, record the measurements & data transfer) as a GNSS Hybrid robotic total station		
1.49	Must have a complete physical alpha-numeric keyboard		
<b>2.</b>	<b>Tripod</b>		
2.1	Must be constructed of aluminium or carbon fiber or wood		
2.2	Must have a threaded bell to fasten the tribrach / total station		
2.3	Must have height-adjustable and locking legs for uneven terrain		
2.4	Must be stable on asphalt, concrete, gravel, soil and icy surfaces		
2.5	Must not weigh more than 8 kg (excluding total station)		
2.6	Must be able to fold and be transportable by vehicle		
2.7	Must have a carry strap and be transportable by a person		
2.8	Must be between a minimum of 1.5 m long to a maximum of 2 m long (extended in folded configuration)		
2.9	Must include all brackets required to hold the required ancillary equipment to operate the Hybrid GNSS Hybrid Robotic Total Station		
<b>3.</b>	<b>Prism</b>		
3.1	Must include a 360° prism		
3.2	Prism must attach to the prism pole and all supplemental attachments required to fix the GNSS receiver (rover) with the prism must be provided		
3.3	Must include a protective case		
3.4	Prism must be recognized and tracked by the total station		
<b>4.</b>	<b>Prism Pole</b>		
4.1	Must be telescopic with a minimum working height of 1 m to a maximum working height of 3 m		
4.2	Must have a visible height measurement adjustment scale which is graduated in metric		
4.3	Must be adjustable and equipped with a locking mechanism		
4.4	Must be made of aluminium or carbon fiber. Must not be primarily constructed of plastic or fiberglass		



4.5	Must be able to attach a removable 360° or standard prism / GNSS receiver combination		
4.6	Must have a circular levelling bubble		
<b>5.</b>	<b>Software</b>		
5.1	Measurement data must be able to convert into a variety of formats for use in Microsurvey Map 360 diagramming software		
5.2	Must include the software to allow the communication of the GNSS Hybrid Robotic total station and a data collector.		
5.3	Must include the software licenses for the total station, GNSS station and any other software necessary to operate the system.		
5.4	Must include one (1) year of support and / or updates for all the softwares provided.		
5.5	Must include the computer based software(s) necessary to prepare the measurement data for diagramming and any other final deliverable document (i.e.: PDF document for the end user / client)		
<b>6.</b>	<b>Training</b>		
6.1	Must include training (in english or french) for functionality of the total station, GNSS measuring system, data collector, prism, prism pole, tripod, on board software and data transfer. This training will not pertain on how to survey or measure a scene. Training will be for up to 3 persons. For reasons of security, training may not be held on RCMP premises. The training needs to be provided with an initial order only		
6.2	Must include training (in english or french) for any computer based software. This training will be either web based, and/or by a digital manual		
6.3	Training must be a minimum 1 full day (8 hours) and provided in Fredericton, New Brunswick. Instructor's travel and expenses are included in the training cost. RCMP will not reimburse those costs separately		
6.4	Training date to be finalized with the Project Authority		
<b>7.</b>	<b>Servicing</b>		
7.1	Services / warranty and regular maintenance work must be performed within the Atlantic Region (Nfld & L, NS, PEI & NB) by an authorized service dealer and / or agent.		
<b>8.</b>	<b>GNSS RTK Base / Rover</b>		
8.1	Must include all the equipment required for the system to be operated as a hybrid GNSS robotic total system and allowing for an RTK (Real Time Kinematic) type of survey		
8.2	Must be able to operate in and / or independently from a cellular network		



8.3	Must be delivered fully operational and ready to be used as such		
8.4	Must comply with ISO standard 17123-8 field measuring systems and Industry Canada Standards		
8.5	Must have a minimum environmental operating air temperature range of -20°C to +50°C		
8.6	Must have a minimum horizontal RTK positioning accuracy of 10mm and a minimum vertical RTK positioning accuracy of 15 mm		
8.7	Must be able to functionally operate in all weather conditions (i.e.: rain, snow, bright sun, sleet, heat, dust, fog, wind gust up to 40 km/h) and be configured to measure under these conditions		
8.8	Must have a minimum battery working range of 4 to 6 hours per battery (if removable battery)		
8.9	Batteries must be rechargeable		
8.10	Must include one (1) spare battery (2 batteries total)		
8.11	Must include an external battery charging system		
8.12	Must have a protective case		
8.13	Must be able to communicate with an external data collector wirelessly via a built in radio		
8.14	Must have a minimum wireless GNSS (base) antenna / data collector communication range of 500 m (linear)		
8.15	Must have a minimum of 15° tilt compensation		
8.16	Must be a one person system operation		
8.17	Fixed points and measurement data must be immediately written and stored in the internal memory of the GNSS rover and/or have a minimum battery power to record the said data if a sudden power loss was to occur		
8.18	Must have a low-battery warning		
8.19	Must have a "out-of-level" warning if the system is tilted beyond the maximum allowable		
8.20	Must come with an operator / manufacturer's manual (digital or hard copy)		
8.21	Must be a fully integrated GNSS hybrid robotic total station system		
8.22	Must include all cables, brackets, ancillary equipment and on board softwares needed for the GNSS measurement system to be operated (communicate, measure, record the measurements & data transfer) as a GNSS hybrid robotic total station		
8.23	Must be compatible and mounted simultaneously with a prism & prism pole set up and be able to be fully operated from the hand held pole mountable data controller		
8.24	Must be able to measure / record the positions and distances for each measurement point		



8.25	Must be able to internally store measurement data when in use		
8.26	Must have an external SD card or USB connector for data transfer		
8.27	Must include an SD card or a USB Storage drive (minimum capacity of 1 GB)		
8.28	Must at least support GPS, Glonass, Galileo and BeiDou satellite signals		
8.29	Must have an initialization time for the RTK of less than 10 seconds with a reliability of more than 99.9%		

Item #	Requirement	Location within the Proposal	Bidders Response
<b>9.</b>	<b>Data Collector</b>		
9.1	Must have a minimum operating temperature range of -20°C to +50°C		
9.2	Must have a minimum battery working range of 8 hours		
9.3	Must have an internal backup power to avoid the loss of measurement data in the case of a sudden loss of power		
9.4	The data collector must be able to attach to the prism pole and must include all mounts / brackets needed to do so while in operational use		
9.5	Must be able to connect to a Windows 10 Operating system to export the measurement data and any other data		
9.6	Must be able to deliver an exported data file that is compatible with the Microsurvey Map 360 diagramming software		
9.7	The screen must be clearly visible in direct sunlight and in full darkness lighting conditions		
9.8	Must include a stylus (if applicable), all cables required for the data transfer (or software updates), mounts, brackets and all the required softwares to operate (communicate, measure, record the measurements & data transfer) the GNSS Hybrid Robotic total station system in all its configurations simultaneously (mechanical, robotic & GNSS)		
9.9	Must have a rechargeable battery (internal and / or external)		
9.10	Must weight less than 3 kg (battery included)		
9.11	Must have an external SD card or USB connector for data transfer		
9.12	Must include an SD card or a USB Storage Drive (minimum of 1 GB)		
9.13	Must include a battery charging system		
9.14	Must be able to code or input descriptions for each measurements (multiple attributes preferred)		



9.15	Must be a wireless data collector and have a minimum data collector / total station communication range of 500 m with a built-in long range communication system		
9.16	Must have a touch screen		
9.17	Must have a minimum non-volatile internal storage memory of 1 GB and measurement data must be able to be stored in it		
9.18	Must be a tablet or a keyboard data collector and possess a complete physical alpha-numeric keyboard		
9.19	Must be capable of viewing the measured points graphically on the data collector's screen		
9.20	Must be able to select two points on the viewing screen and obtain a horizontal measurement		
9.21	Must have a unique address in the wireless communication protocol in order to avoid any interference in the said communication		
9.22	Must have a low-battery warning		
9.23	Must have an "out-of-level" warning if the total station is out of level		
9.24	All components of the data collector operating system must be able to be backed up and transferred to an SD card or a USB Storage Drive in the event that a replacement data collector is required		
9.25	Must be compatible for use with a Leica TS-06 Plus total station.		
9.26	Must include a protective case		

**Point Rated Technical Criteria**

Each Technical Bid that meets all the Mandatory Requirements specified above will be evaluated and scored in accordance with the following point-rated evaluation criteria.

<b>Criteria#</b>	<b>Rated Requirement</b>	<b>Score (total possible 10 points)</b>	<b>Location within the Proposal</b>
10.1	An image point measurement capability		