



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

Bid Receiving/Réception des soumissions
RCMP - F Division
Procurement & Contracting Services
c/o Commissionaires, F Division
6101 Dewdney Ave
Regina, SK S4P 3K7

**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:

THIS DOCUMENT DOES NOT CONTAIN A
SECURITY REQUIREMENT

LE PRÉSENT DOCUMENT NE COMPORTE PAS
UNE EXIGENCE EN MATIÈRE DE SÉCURITÉ

Title – Sujet: Robotic Total Station		Date April 24, 2019
Solicitation No. – N° de l'invitation M5000-19-5027/A - PW-19-00872615		
Client Reference No. - No. De Référence du Client 201905027		
Solicitation Closes – L'invitation prend fin		
At / à :	2 :00 p.m.	Central Standard Time (CST) Heure Normale du Centre (HNC)
On / le :	June 4, 2019	
Delivery - Livraison See herein — Voir aux présentes	Taxes - Taxes See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à Rachel Sookoo, Procurement Officer		
Telephone No. – No. de téléphone 639-625-3291		Facsimile No. – No. de télécopieur 306-780-5232

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



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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 Annex A of the resulting contract clauses.

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/recourse-mechanisms>

1.5 Trade Agreements

"The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP), and the Canadian Free Trade Agreement (CFTA)."

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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 (2018-05-22) 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

2.1.1 SACC Manual Clauses

B1000T (2014-06-26) Condition of Material

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 by 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 ten (10) 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 Saskatchewan.

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that the Bidder submits its bid in separately bound sections as follows:

- Section I: Technical Bid (three (3) hard copies)
- Section II: Financial Bid (one (1) hard copy)
- Section III: Certifications (one (1) hard copy)

Prices must appear in the financial bid only. No prices must 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. The total amount of Applicable Taxes must be shown separately.

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

Refer to Annex C, Mandatory Technical Criteria

4.1.2 Financial Evaluation

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

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

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 may 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>), 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* 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* 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.

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 requirement is detailed under Annex A of the resulting contract clauses.

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>) 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 (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

Delivery is required within four (4) weeks of contract award.

Training for up to ten (10) people must be completed within four (4) weeks of receipt of goods, and on a mutually agreed upon date and location between the Technical Authority and the Contractor.

6.4.2 Delivery Points

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

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Rachel Sookoo, Procurement Officer
Royal Canadian Mounted Police
Corporate Management Branch
5600 - 11th Ave
Regina, SK S4P 3J7
Telephone: 639-625-3291
Facsimile: 306-780-5232
Email Address: rachel.sookoo@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 Technical Authority

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

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
(to be completed upon award of contract)

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price, as specified in Annex B, Basis of Payment for a cost of \$ _____ (to be completed at contract award). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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.

6.6.2 Single Payment

SACC *Manual* clause H1000C (2008-05-12) Single Payments

6.7 Invoicing Instructions

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.

Invoices must be distributed as follows:

The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.8 Certifications and Additional Information

6.8.1 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.

6.9 Applicable Laws

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

6.10 Priority of Documents

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



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- (a) the Articles of Agreement;
 - (b) the general conditions 2010A (2018-06-21) – Goods (Medium Complexity);
 - (c) Annex A, Requirement;
 - (d) Annex B, Basis of Payment
 - (e) Annex C, Mandatory Technical Criteria
 - (f) the Contractor's bid dated _____

6.11. Procurement Ombudsman

6.11.1 Dispute Resolution Services

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, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa-opo@boa-opo.gc.ca.

6.11.2 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 supplier or the contractor or the name of the entity awarded this contract*] 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, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa-opo@boa-opo.gc.ca.

6.12 Insurance

G1005C (2016-01-28) Insurance – No Specific Requirement

6.13 SACC Manual Clauses

B1501C (2018-06-21) Electrical Equipment
B7500C (2006-06-16) Excess Goods

6.14 Environmental Considerations:

Where applicable, suppliers are encouraged to consider the following environment considerations:

Deliverables:

- When printed material is requested, the minimum recycled content of 30% is required and/or certified as originating from a sustainably managed forest.
- Recycle unneeded printed documents (in accordance with Security Requirements).



Shipping Requirements:

- Minimize packaging
- Include recycled content in packaging;
- Re-use packaging;
- Include a provision for a take-back program for packaging;
- Reduce/eliminate toxics in packaging.



ANNEX "A" REQUIREMENT

Contractor to supply and deliver eight (8) Robotic Total Stations to the Royal Canadian Mounted Police in accordance with the requirements specifications, terms and conditions detailed herein.

Delivery location:
F Division Forensic Collision Reconstruction Program
Traffic Services
1320 4th Street
Estevan SK
S4A 2A6

The Robotic Total Station must have the following specifications:

A.

1. Be the manufacturer's latest model as sold commercially.
2. Demonstrate industry acceptability by having been manufactured and sold commercially for at least one year.
3. Have a built-in target acquisition system which allows prisms to be targeted automatically and their positions tracked when the prism is moved.
4. Have the ability to rotate 360 degrees and measure and record the angles for each measurement point.
5. Be operable by only one person with all operations performed from the hand held controller.
6. Have the capability of being used in the robotic mode and the standard (non-robotic) mode.
7. Be able to be used indoors and outdoors (low ambient light and bright sunlight).
8. Have a close range measurement of a minimum of 1.3 metres and long range measurement of a minimum of 600 metres without the use of a prism (reflector less mode).
9. Have a long range measurement of a minimum of 6000 m with the use of a prism.
10. Have an accuracy of 2 ppm at 1000 m.
11. Have a servo driven horizontal drive and a servo driven focus.
12. Be equipped with a guide light that is visible to the person carrying the prism pole away from the total station.
13. Have a magnification of 30 times minimum.
14. Have a minimum 5 hour battery operation time.
15. Have a minimum operating temperature range of -20 degrees Celsius to +50 degrees Celsius.
16. Have a minimum storage temperature range of -30 degrees Celsius to +60 degrees Celsius.
17. Have a minimum angle accuracy of 5 arcsec.
18. Have a stand-alone operation with a touch screen user interface to control the total station operation.
19. Have a touch screen that is visible in bright sunlight and in darkness.
20. Have a local data storage or local removal memory card format to secure the data transfer to a computer (USB port or removable SD card).
21. Be operable in a prism and non-prism mode.
22. Have a minimum Intellectual Property (IP) protection class of IP65.
23. Ability to quickly turn the laser pointer on and off.
24. Be equipped with non-UHF wireless communication between the total station and the hand-held controller / data collector.
25. Be equipped with a telematics based multi-function communications module which provides security and maintenance capabilities.
26. Have the ability to have its firmware upgrade notifications via wireless communication.
27. Have an "out of level" warning.
28. Have an optical laser plummet



B. Data Collector

1. Have a minimum operating temperature range of -20 degrees Celsius to +50 degrees Celsius.
2. Have a minimum storage temperature range of -30 degrees Celsius to +60 degrees Celsius.
3. Have the latest version of the Windows operating system available to the supplier.
4. Have the latest and fastest microprocessor that is available to the supplier.
5. Be compatible with Windows 7 or higher operating system on a personal computer.
6. Have a minimum battery life that is the same as the total station that it is connected to.
7. Batteries must be rechargeable and all required recharging accessories must be included.
8. Include at least one extra rechargeable battery and its necessary charging accessories.
9. Have a low battery warning.
10. Ability to be attached to a prism pole and the mounting solution must be included.
11. Be equipped with a touch screen and a stylus pointing device.
12. The touch screen must be able to be easily viewed in bright sunlight and darkness.
13. Equipped with Bluetooth and Wi-Fi connectivity options.
14. Equipped with at least two USB ports.
15. Ability to extract measurement data from the data collector so that it can be transferred onto a personal computer.
16. A tablet style and have a touch screen that is minimum 7 inches to a maximum 10.5 inches
17. The data collector must be ruggedized and have a minimum protective rating of IP67.
18. Shock proof and be designed to Mil Spec MIL-STD-810G.
19. Have the data collection software installed and ready to collect measurement data.
20. Equipped with a built-in digital camera.
21. Have an internal storage hard drive with a minimum size of 128 GB.
22. Ability to wirelessly communicate with the communication head on the prism pole.
23. MIL-STD-461F standard methodology for electromagnetic interference (EMI) and electromagnetic compatibility (EMC). The certification ensures that computers/tablets are electromagnetically compatible with other nearby electronic equipment. Certified computers/tablets do not generate unwanted electromagnetic energy that could interfere with the operation of other equipment, nor are susceptible to the effects of unwanted electromagnetic energy from equipment in the same vicinity.

C. Data Collector Software

1. Include any software necessary for the measurement head and data collector to communicate to the robotic total station wirelessly.
2. Include any software necessary for the total station to obtain and record measurements.
3. Be functional with the latest version of Evidence Recorder software for the data collector to obtain and record measurements.
4. Software must be able to traverse from one location to another.
5. Any software must include active licences. The EVR licences will be provided by the Technical Authority.
6. Be able to be used on more than one make and model of total station.

D. Accessories

1. One (1) 360 degree prism with protective case per unit.
2. Two (2) rechargeable Lithium Ion batteries for the total station with charger per unit.
3. Two (2) rechargeable Lithium Ion batteries for the communication module on the prism pole with charger per unit.
4. One (1) total station tripod per unit, capable of resisting the movement of the robotic total station while maintaining 1.0 mm accuracy over the occupied point.
5. One (1) collapsible 2.0 m carbon fiber prism pole, per unit, that has the measurement height visible on the pole with either a permanent or detachable pole level.



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6. One (1) hard cover carrying case, per unit.
 7. One (1) mounting solution for the data collector to the prism pole, per unit.
 8. One (1) protective case for the data collector, per unit.

E. Training

1. Training in English for the complete operation and functionality of the total station, all communication components, data collector, prism, prism pole, tripod, on board software and data transfer for up to 10 people.
2. The training must be completed within four (4) weeks after delivery and on a mutually agreed upon date between the Technical Authority and the Contractor. The training will be completed in Saskatoon. The exact location of the training will be determined by the Technical Authority and the Contractor. The training location should have the capability for indoor instruction and outdoor hands on practice. Training will not take place at an RCMP facility.
3. Training will be a minimum of sixteen (16) hours or as required to ensure users are proficient with the operation of the equipment. The training must be provided by the manufacturer of the Robotic Total Station, not a distributor. All costs associated with the training is to be included in the unit price.

F. Service

1. Provide technical and operational support for both the hardware and the software solutions provided.
2. Loaner equipment to be provided to the user when product is being serviced.
3. Service/warranty and regular maintenance work must be performed in Canada by an authorized service dealer and/or agent. The repair service must begin within 24 hours of notification.

The authorized representative must have ready access to regular maintenance and service parts and be able to access all parts not normally stocked from an authorized parts dealer.

G. Warranty

The warranty period on the electrical position equipment and data collection will be three (3) years against defective material and workmanship and any accessories with be ninety (90) days against defective material and workmanship, after delivery and acceptance of the unit(s) or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer. All costs related to warranty work must be included in price, non-warranty maintenance and after sales service are to be charged separately.



ANNEX "B"
BASIS OF PAYMENT

Firm unit prices, in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax is extra, Incoterms 2010 "DDP Delivered Duty Paid", Canadian customs duties and excise taxes included.

Description	Quantity (a)	Unit of Issue	Unit Price (b)	Total Price (a x b)
Robotic Total Station in accordance with Annex "A"	8	Each	\$	\$



**ANNEX "C"
MANDATORY TECHNICAL CRITERIA**

Bidders are required to indicate whether or not they comply with the mandatory specifications. Bidders must include three (3) copies of descriptive literature of the make and model of the items offered in sufficient detail to clearly indicate compliance with each of the individual requirements in the specifications and cross reference where this specification is located within the descriptive literature.

Where weight, dimensions or other characteristics are shown as approximate, minimum or maximum, the bidder must indicate the manufacturer's figures.

The Royal Canadian Mounted Police is under no obligation to seek clarification of the bid(s) or the supporting technical documentation provided.

Failure to meet any of the following specifications will render your proposal non-complaint and will be given no further consideration.

The Robotic Total Station must have the following specifications:

	Specification	Compliance		Comment(s)/ Cross Reference
		Yes	No	
A.				
1.	Be the manufacturer's latest model as sold commercially.			
2.	Demonstrate industry acceptability by having been manufactured and sold commercially for at least one year.			
3.	Have a built-in target acquisition system which allows prisms to be targeted automatically and their positions tracked when the prism is moved.			
4.	Have the ability to rotate 360 degrees and measure and record the angles for each measurement point.			
5.	Be operable by only one person with all operations performed from the hand held controller.			
6.	Have the capability of being used in the robotic mode and the standard (non-robotic) mode.			
7.	Be able to be used indoors and outdoors (low ambient light and bright sunlight).			
8.	Have a close range measurement of a minimum of 1.3 metres and long range measurement of a minimum of 600 metres without the use of a prism (reflector less mode).			



9.	Have a long range measurement of a minimum of 6000 m with the use of a prism.			
10.	Have an accuracy of 2 ppm at 1000 meters			
11.	Have a servo driven horizontal drive and a servo driven focus.			
12.	Be equipped with a guide light that is visible to the person carrying the prism pole away from the total station.			
13.	Have a magnification of 30 times minimum.			
14.	Have a minimum 5 hour battery operation time.			
15.	Have a minimum operating temperature range of -20 degrees Celsius to +50 degrees Celsius.			
16.	Have a minimum storage temperature range of -30 degrees Celsius to +60 degrees Celsius.			
17.	Have a minimum angle accuracy of 5 arcsec.			
18.	Have a stand-alone operation with a touch screen user interface to control the total station operation.			
19.	Have a touch screen that is visible in bright sunlight and in darkness.			
20.	Have a local data storage or local removal memory card format to secure the data transfer to a computer (USB port or removable SD card).			
21.	Be operable in a prism and non-prism mode.			
22.	Have a minimum Intellectual Property (IP) protection class of IP65.			
23.	Ability to quickly turn the laser pointer on and off.			
24.	Be equipped with non-UHF wireless communication between the total station and the hand-held controller / data collector.			
25.	Be equipped with a telematics based multi-function communications module which provides security and maintenance capabilities.			
26.	Have the ability to have its firmware upgrade notifications via wireless communication.			
27.	Have an "out of level" warning.			
28.	Have an optical laser plummet.			



B.	Data Collector	Compliance		
		Yes	No	
1.	Have a minimum operating temperature range of -20 degrees Celsius to +50 degrees Celsius.			
2.	Have a minimum storage temperature range of -30 degrees Celsius to +60 degrees Celsius.			
3.	Have the latest version of the Windows operating system available to the supplier.			
4.	Have the latest and fastest microprocessor that is available to the supplier.			
5.	Be compatible with Windows 7 operating system on a personal computer.			
6.	Have a minimum battery life that is the same as the total station that it is connected to.			
7.	Batteries must be rechargeable and all required recharging accessories must be included.			
8.	Include at least one extra rechargeable battery and its necessary charging accessories.			
9.	Have a low battery warning.			
10.	Ability to be attached to a prism pole and the mounting solution must be included.			
11.	Be equipped with a touch screen and a stylus pointing device.			
12.	The touch screen must be able to be easily viewed in bright sunlight and darkness.			
13.	Equipped with Bluetooth and Wi-Fi connectivity options.			
14.	Equipped with at least two USB port.			
15.	Ability to extract measurement data from the data collector so that it can be transferred onto a personal computer.			
16.	A tablet style and have a touch screen that is minimum 7 inches to a maximum 10.5 inches.			
17.	The data collector must be ruggedized and have a minimum protective rating of IP67.			
18.	Shock proof and be designed to Mil Spec MIL-STD-810G.			
19.	Have the data collection software installed and ready to collect measurement data.			
20.	Equipped with a built-in digital camera.			
21.	Have an internal storage hard drive with a minimum size of 128 GB.			
22.	Ability to wirelessly communicate with the communication head on the prism pole.			



23.	MIL-STD-461F standard methodology for electromagnetic interference (EMI) and electromagnetic compatibility (EMC). The certification ensures that computers/tablets are electromagnetically compatible with other nearby electronic equipment. Certified computers/tablets do not generate unwanted electromagnetic energy that could interfere with the operation of other equipment, nor are susceptible to the effects of unwanted electromagnetic energy from equipment in the same vicinity.			
C.	Data Collector Software	Compliance		
		Yes	No	
1.	Include any software necessary for the measurement head and data collector to communicate to the robotic total station wirelessly.			
2.	Include any software necessary for the total station to obtain and record measurements.			
3.	Be functional with the latest version of Evidence Recorder software for the data collector to obtain and record measurements.			
4.	Software must be able to traverse from one location to another.			
5.	Any software must include active licences. The EVR licences will be provided by the Technical Authority.			
6.	Be able to be used on more than one make and model of total station.			
D.	Accessories	Compliance		
		Yes	No	
1.	One (1) 360 degree prism with protective case per unit.			
2.	Two (2) rechargeable Lithium Ion batteries for the total station with charger per unit.			
3.	Two (2) rechargeable Lithium Ion batteries for the communication module on the prism pole with charger per unit.			
4.	One (1) total station tripod per unit, capable of resisting the movement of the robotic total station while maintaining 1.0 mm accuracy over the occupied point.			
5.	One (1) collapsible 2.0 m carbon fiber prism pole, per unit, that has the measurement height visible on the pole with either a permanent or detachable pole level.			
6.	One (1) hard cover carrying case, per unit.			



7.	One (1) mounting solution for the data collector to the prism pole, per unit.			
8.	One (1) protective case for the data collector, per unit.			
F.	Services	Compliance		
		Yes	No	
1.	Provide technical and operational support for both the hardware and the software solutions provided.			
2.	Loaner equipment to be provided to the user when product is being serviced.			
3.	<p>Service/warranty and regular maintenance work must be performed in Canada by an authorized service dealer and/or agent. The repair service must begin within 24 hours of notification.</p> <p>The Bidder must provide the name, address, telephone number and indicate the distance between each delivery location and the authorized service dealer and/or agent to provide after sales service, maintenance, warranty repairs, and a full range of repair parts for the unit(s) offered.</p>			<p>Distance between the delivery location and the service dealer and/or agent: _____ km</p> <p>Name: _____</p> <p>_____</p> <p>Address: _____</p> <p>_____</p> <p>Telephone: _____</p>
4.	The authorized representative must have ready access to regular maintenance and service parts and be able to access all parts not normally stocked from an authorized parts dealer.			