



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid Receiving
- PWGSC
1550 Avenue d'Estimauville
1550 D'Estimauville Avenue
Québec
Québec
G1J 0C7
FAX pour soumissions: (418) 648-2209

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

Proposal To: Public Works and Government Services Canada

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

Proposition aux: Travaux Publics et Services Gouvernementaux Canada

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

Comments - Commentaires

Title - Sujet Robotic Survey Equipment	
Solicitation No. - N° de l'invitation W0138-17A001/A	Date 2017-12-18
Client Reference No. - N° de référence du client W0138-17A001	
GETS Reference No. - N° de référence de SEAG PW-\$QCW-030-17289	
File No. - N° de dossier QCW-7-40223 (030)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-01-29	Time Zone Fuseau horaire Heure Normale du l'Est HNE
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Roy, Alain	Buyer Id - Id de l'acheteur qcw030
Telephone No. - N° de téléphone (418) 649-2845 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: MINISTERE DE LA DEFENSE NATIONALE 2 Escadre Bagotville Bâtiment 374 ALOUETTE Québec GOV1A0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

Issuing Office - Bureau de distribution
TPSGC - PWGSC
601 - 1550 Avenue d'Estimauville
Québec
Québec
G1J 0C7

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



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM	Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	Système d'arpage robotisé	W0138	W0138	1	lot	\$	\$		Voit doc	

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Buyer ID - Id de l'acheteur
qcw030
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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed at article 6.2 of the Resulting Contract Clauses section.

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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

The [2003](#) (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

B1000T (2014-06-26) Condition of material – Bid

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Your proposal can be transmitted by fax to # 418-648-2209 or by mail to the following address:

Bid Receiving Unit
Public Works and
Government Services Canada (PWGSC)
1550 D'Estimauville Avenue
Quebec City, Quebec, Canada, G1J 0C7

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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.

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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 the Province of Quebec.

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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (1 hard copies)

Section II: Financial Bid (1 hard copies)

Section III: Certifications (1 hard copies)

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 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](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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 – Annex B. 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

Each bid will be reviewed to determine whether it meets the mandatory requirements of the bid solicitation. Any element of the bid solicitation identified with the words "must" or "mandatory" is a mandatory requirement.

Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.

4.1.1.1 Mandatory Technical Criteria

The bidder must include with its proposal:

1. The Table of technical compliance below duty filled-in:

The supplied equipment and services must meet or better all of the requirements defined below. The supplied equipment is to be new, not used or refurbished. Systems not meeting all the following Mandatory Requirements will be considered non-compliant.

Bidder must provide with their proposal technical literature/brochures, operating manuals, written documentation (such as a description of system components and capabilities) etc to demonstrate compliance with each area of the criteria stated below at time of bid closing. Proposal evaluation will be based upon the information supplied with the bid only. Failure to demonstrate compliance with any area of the criteria will render your proposal non-responsive and no further consideration will be given. References are to be specific to supporting documentation (ex. document title, page and paragraph number). *Please note that compliance must be demonstrated (by submission of supporting documentation such as technical literature/brochures, operating manuals, written statement describing how requirement is meet etc.) and that if an offeror only states "comply" without any further detail, this is not considered as a demonstration compliance.* A complete description of the performance and capabilities of the system must be provided.

4.1.1.2 Table of Technical Compliance

Bidders must propose an equipment which must not be a prototype or a test unit but a standard proven product of the manufacturer and contain reliable state-of-the-art technology.

Although bidders must propose products meeting all mandatory specifications and components outlined in Annex "A"; at the bid closing date, bids will be evaluated on following preselected mandatory specifications and components:

(See Table on next page)

TABLE OF TECHNICAL COMPLIANCE		Bidder's Specifications (should indicate the reference to the technical documentation of the proposed equipment or indicate the exact information)
Mandatory Technical Specifications :		
Robotic Survey Equipment		
Robotic Station		
1.	Must have an absolute, continuous and diametrical angular measurement with accuracy of 1" (0.3 mgon), 2" (0.6 mgon), 3" (1 mgon), 5" (1.5 mgon)	
2.	Must have accuracy / measurement time for distant measurement: <ul style="list-style-type: none"> • Single (prism) 1mm +1.5 ppm / typically 2.4s • Single (ay surface) 2mm + 2ppm / typically 3s 	
3.	Laser dot size must be at 50m 8mm x 20mmm	
4.	System analyzer for measurement technology has to be coaxial, visible red laser	
Controller		
5.	Must have an internal hard drive with at least 1 GB RAM and 2 GB of Flash Volatile Memory	
Survey Grade GPS		
Antennas		
5.	Must have an internal UHF radio	
6.	Must have unlimited GNSS RTK Tracking including BeiDou	
7.	Must have a GNSS processor with a minimum of 550 channels for new satellites arrival	
8.	Must support GPS signals: L1 (1575.42 MHz), L2 (1227.6 MHz), L5 (1176.45 MHz), LC2	

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4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and all the mandatory technical criteria to be declared responsive. The responsive bid with the lowest Total Bid Price (TBP) (Annex B) will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the [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 with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the [Ineligibility and Suspension Policy \(http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website \(http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969\)](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)" list at the time of contract award.

5.2.3 Bidder certifies that All Equipment is “Off-the-Shelf”

Any equipment bid to meet this requirement must be “off-the-shelf” (unless otherwise stated in this bid solicitation), meaning that each item of equipment is commercially available and requires no further research or development and is part of an existing product line with a field-proven operational history (that is, it has not simply been tested in a laboratory or experimental environment). If any of the equipment bid is a fully compatible extension of a field-proven product

line, it must have been publicly announced on or before the bid closing date. By submitting a bid, the Bidder is certifying that the entire equipment bid is off-the-shelf.

5.2.4 OEM Certification (Annex C)

- (a) Any Bidder that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its bid is required to submit the OEM's certification regarding the Bidder's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Bidder). **(Annex C)**

No Contract will be awarded to a Bidder who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM certification has been provided to Canada. Bidders are requested to use the OEM Certification Form included with the bid solicitation. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Bidders/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided. Alterations to the statements in the form may result in the bid being declared non-responsive.

- (b) If the hardware proposed by the Bidder originates with multiple OEMs, a separate OEM certification is required from each OEM.
- (c) For the purposes of this bid solicitation, EOM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

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

There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must supply and deliver one (1) Robotic Survey Equipment and one (1) Survey Grade GPS, in accordance with the Requirement described at Annex "A".

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

The Article 27 of General Conditions 2030 (2008-05-12) Intellectual property infringement and royalties, is added to these terms and conditions apply to and form part of the contract.

1. The Contractor represents and warrants that, to the best of its knowledge, neither it nor Canada will infringe any third party's intellectual property rights in performing or using the Work, and that Canada will have no obligation to pay royalties of any kind to anyone in connection with the Work.
2. If anyone makes a claim against Canada or the Contractor concerning intellectual property infringement or royalties related to the Work, that Party agrees to notify the other Party in writing immediately. If anyone brings a claim against Canada, according to [Department of Justice Act](#), R.S. 1985, c. J-2, the Attorney General of Canada must have the regulation and conduct of all litigation for or against Canada, but the Attorney General may request that the Contractor defend Canada against the claim. In either case, the Contractor agrees to participate fully in the defence and any settlement negotiations and to pay all costs, damages and legal costs incurred or payable as a result of the claim, including the amount of any settlement. Both Parties agree not to settle any claim unless the other Party first approves the settlement in writing.
3. The Contractor has no obligation regarding claims that were only made because:
 - a. Canada modified the Work or part of the Work without the Contractor's consent or used the Work or part of the Work without following a requirement of the Contract; or
 - b. Canada used the Work or part of the Work with a product that the Contractor did not supply under the Contract (unless that use is described in the Contract or the manufacturer's specifications); or
 - c. the Contractor used equipment, drawings, specifications or other information supplied to the Contractor by Canada (or by someone authorized by Canada); or
 - d. the Contractor used a specific item of equipment or software that it obtained because of specific instructions from the Contracting Authority; however, this exception only applies if the Contractor has included the following language in its own contract with the supplier of that equipment or software: "[Supplier name] acknowledges that the purchased items will be used by the Government of Canada. If a third party claims that equipment or software supplied under this contract infringes any intellectual property right, [supplier name], if requested to do so by either [Contractor name] or Canada, will defend both [Contractor

name] and Canada against that claim at its own expense and will pay all costs, damages and legal fees payable as a result of that infringement." Obtaining this protection from the supplier is the Contractor's responsibility and, if the Contractor does not do so, it will be responsible to Canada for the claim.

4. If anyone claims that, as a result of the Work, the Contractor or Canada is infringing its intellectual property rights, the Contractor must immediately do one of the following:
 - a. take whatever steps are necessary to allow Canada to continue to use the allegedly infringing part of the Work; or
 - b. modify or replace the Work to avoid intellectual property infringement, while ensuring that the Work continues to meet all the requirements of the Contract; or
 - c. take back the Work and refund any part of the Contract Price that Canada has already paid.

If the Contractor determines that none of these alternatives can reasonably be achieved, or if the Contractor fails to take any of these steps within a reasonable amount of time, Canada may choose either to require the Contractor to do (c), or to take whatever steps are necessary to acquire the rights to use the allegedly infringing part(s) of the Work itself, in which case the Contractor must reimburse Canada for all the costs it incurs to do so.

6.3.2 Supplemental General Conditions

[4001](#) (2015-04-01), Achat, location et maintenance de matériel

[4003](#) (2010-08-16), Logiciels sous licence

[4004](#) (2013-04-25), Services de maintenance et de soutien des logiciels sous licence

6.4 Term of Contract

6.4.1 Period of the Contract

The contract period is from the date of contract award until the end of the warranty period inclusively.

6.4.2 Delivery Delay

All the deliverables must be received on or before three (3) weeks after contract awarded.

6.4.3 Training Period

The training must be given at the latest two (2) weeks after delivery at a time agreed with the Technical Authority.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Alain Roy
Title: a/ Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Address: 1550 D'Estimauville Ave., Quebec, QC, G1J 0C7
Telephone: 418-649-2845
Facsimile: 418-648-2209
E-mail address: Alain.Roy.Que@pwgsc.gc.ca

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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: [\(will be added at the contract\)](#)

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

Telephone: ____-____-_____
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 Client Administrative Authority

The Client Administrative Authority for the Contract is: [\(will be added at the contract\)](#)

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

Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail address: _____

The Client Administrative Authority must receive the original invoice. Any request for payment must be addressed to the Client Administrative Authority.

6.5.4 Contractor's Representative

The Project Authority for the Contract is:

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

Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail address: _____

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 price, as specified in Annex *B* for a cost of \$ _____ *insert the amount at contract award*). Customs duties are *included* and Applicable Taxes are extra.

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

6.6.2 Price

SACC Manual Clause C6000C, (2017-08-17), Limitation of Price
SACC Manual Clause C2000C, (2007-11-30), Taxes – Foreign-Based Contractor

6.6.3 Terms of payment

SACC Manual Clause H1000C, (2008-05-12) Single payment

6.7 Invoicing Instructions

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

6.8 Certifications

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 the Province of Quebec.

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.

- a) the Articles of Agreement;
- b) the supplemental general conditions 4001, (2015-04-01) Hardware Purchase, Lease and maintenance;
- c) the supplemental general conditions 4003, (2010-08-16) Licensed Software
- d) the supplemental general conditions 4004, (2013-04-25) Maintenance and Support Services for Licensed Software

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Buyer ID - Id de l'acheteur
qcw030
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- e) the General Conditions 2010A (2016-04-04) Goods (Medium Complexity);
- f) Annex A, Requirement;
- g) Annex B, Basis of payment;
- h) Annex C, Certification and Bidder Forms;
- i) the Contractor's bid dated _____

6.11 SACC Manual Clauses

G1005C	2016-01-28	Insurance
B1501C	2006-06-16	Electric Equipment
B7500C	2006-06-16	Excess Goods
D9002C	2007-11-30	Incomplete Assemblies
A9006C	2012-07-16	Defence Contract
A9062C	2011-05-16	Canadian Forces Site Regulations

6.12 Inspection and Acceptance

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.13 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered DDP Delivered Duty Paid; Department of National Defence (DND), 2^e Escadre Bagotville, Building 374, Alouette, QC, G0V 1A0, Canada, Incoterms 2000 for shipments from commercial contractor.

ANNEX A

REQUIREMENT

1. Title

Acquire a robotic survey equipment with controller and a Survey Grade GNSS (Global Navigation Satellite System) GPS.

2. Introduction

The Department of National Defense (DND) wants to acquire a Robotic Survey Equipment and a Survey Grade GPS (Global Positioning System) at 2 Air Expeditionary Squadron (2 AES), 2 Wing located at CFB Bagotville as part of its project to enhance Airfield Surface Assessment and Reconnaissance (ASAR) capabilities.

3. Background

The 2 AES develops his ASAR capabilities. Its engineering department is in possession of manual survey equipment, without capability to turn data into realistic and workable 3D models and without navigation and GPS technology. The need for specific data collection is required and engineering services need to purchase a robotic surveying system and a GPS survey system to continue to produce field's datasets.

4. Goal

The objective of this contract is to acquire a robotic survey grade that will promptly produce very accurate field datasets measurements and be independent from the GPS navigation and to acquire a mobile survey grade GPS that will promptly produce very accurate field datasets measurements.

5. Requirement description Robotic Survey Equipment

5.1 Provide and deliver one (1) robotic system, including:

5.1.1 One (1) robotic station.

5.1.2 One (1) set of accessories for robot that meets the technical requirements identified in Annex A of this document. The kit will include:

- 5.1.2.0 Applicable software;
- 5.1.2.1 Batteries;
- 5.1.2.2 Charger;
- 5.1.2.3 Bluetooth radio handle;
- 5.1.2.4 Tripod;
- 5.1.2.5 Pole;
- 5.1.2.6 Prism;
- 5.1.2.7 Tribrach.

5.1.3 One (1) controller with a screen and a QWERTY keyboard.

5.1.4 One (1) set of accessories for controller that meets the technical requirements identified in Annex A of this document. The kit will include:

5.1.4.0 Screen protector;

- 5.1.4.1 Battery;
 - 5.1.4.2 Holder;
 - 5.1.4.3 Transport case;
 - 5.1.4.4 Applicable attachments.
- 5.1.5 One (1) set of accessories for backsight that meets the technical requirements identified in Annex A of this document. The kit will include:
- 5.1.5.0 Ttribrach;
 - 5.1.5.1 Prism;
 - 5.1.5.2 Tripod;
 - 5.1.5.3 Target plate;
 - 5.1.5.4 Height meter;
 - 5.1.5.5 Applicable holders;
 - 5.1.5.6 Containers with backstraps.
- 5.1.6 One (1) Adaptor for external antenna UHF/GSM.

Mandatory technical specifications - Robotic Survey Equipment

The system proposed by the contractor must minimally meet those technical specifications below, but without limitation. In addition, the system should be fully functional and operational.

ROBOTIC STATION

- Must have an absolute, continuous and diametrical angular measurement with accuracy of 1" (0.3 mgon), 2" (0.6 mgon), 3" (1 mgon), 5" (1.5 mgon),
- Must have range for distance measurements:
 - With prism 1.5m to 3500m.
 - Non-prism / any surface R500: 1.5m to >500m, R1000: 1.5 m to >1000m.
- Must have accuracy / measurement time for distant measurement:
 - Single (prism) 1mm +1.5 ppm / typically 2.4s.
 - Single (ay surface) 2mm + 2ppm / typically 3s.
- Laser dot size must be at 50m 8mm x 20mm;
- System analyzer for measurement technology has to be coaxial, visible red laser;
- Accuracy / measurement for angle accuracy has to be 1" (0.3 mgon), 2" (0.6 mgon), 3" (1 mgon), 5" (1.5 mgon) / typically 3 – 4s;
- Must have a guide light with working range / accuracy 5 – 150m / typically 5cm @ 100m;
- Must have display of min 5" and keyboard of 37 keys, illumination;
- Must have a processor with minimum performance of TI OMAP4430 1GHz Dual-core ARM® Cortex A9 MPCore™ and operating system – Windows EC7;
- Must have exchangeable Lithium-Ion battery with operating time 5–8 h;
- Must have internal memory of 2 GB and memory SD card of 1GB to 16GB;
- Must have Interfaces for RS232, USB, Bluetooth, WLAN;
- Maximum weight including battery is to be 5.3 to 6kg;
- Must withstand extreme temperatures;
- Must have protection against sand and dust.

CONTROLLER

- Must have an internal hard drive with at least 1 GB RAM and 2 GB of Flash Volatile Memory;
- Must have a USB port;
- Must have a modem;
- Must have an autofocus camera with flash and a minimum resolution of 5 megapixels;

- Must be equipped with a QWERTY or alphanumeric keyboard;
- Must have a color LCD touch screen, high resolution with a minimum of 800 x 480 pixels;
- VGA landscape display with a minimum of 127mm;
- Must have a backlit TFT;
- Must be operated with Windows EC7 platform;
- Must have a field software;
- Must produce data compatible with GeomediaPro (Intergraph) and AutoCAD software;
- Must have a GPS interface software application;
- Must have a wireless connection;
- Must be waterproof and be sealed to moisture;
- Must have protection against sand and dust;
- Must have protection against shocks and from drops;
- Must have protection against vibration;
- Must withstand extreme temperatures;
- Must be of maximum weight of 1.2 kg including batteries.

BATTERIES AND CHARGERS

- Robot:
 - Must be rechargeable;
 - Must have an extra battery;
 - Must have a standard wall outlet charger.
- Controller:
 - Must be rechargeable;
 - Must have a set of extra batteries.

BACKSIGHT KIT

- Must have tribrach with optical plummet;
- Must have prism carrier;
- Must have circular prism for automatic aiming for target aiming range / target locking range 1000m / 1000m, range / search time 300m / typically 5s;
- Must have prism holder;
- Must have target plate;
- Must have wooden tripod;
- Must have Instruments height meter;
- Must have distance holder for height meter.

TRANSPORT CASES

- Robot transport case must be rigid;
- Controller transport case must be rigid;
- Prisms transport case must be rigid.

Survey Grade GPS

5.2 The contractor must provide and deliver one (1) GPS system, including:

- 5.2.1 Two (2) antennas.
- 5.2.2 One (1) set of accessories that meets the technical requirements identified in Annex A of this document. The kit will include:
 - 5.2.2.0 Radio antennas;
 - 5.2.2.1 Transportation cases;
 - 5.2.2.2 Fixing brackets;
 - 5.2.2.3 Cables;
 - 5.2.2.4 Chargers;
 - 5.2.2.5 Batteries;
 - 5.2.2.6 Additional set of batteries.
- 5.2.3 One (1) telescopic range pole with a bipod.
- 5.2.4 Two (2) microSD card 1GB to 16GB.
- 5.2.5 One (1) transition adapter from external UHF/GSM antenna connector.
- 5.2.6 System has to have multi-frequency capabilities, to be able to calculate position, velocity and time by receiving the satellite signals broadcasted from multiple navigation satellite systems.
- 5.2.7 The supplier must provide 1 year Smart Link Service, enables tracking of Terra Star L-band signals for autonomous precise point positioning and to bridge RTK data outages on GNSS receiver.
- 5.2.8 System has to provide unlimited GNSS RTK Tracking including BeiDou.
- 5.2.9 The supplier has to include Infinity Complete GNSS & Terrestrial Bundle (Node-Locked) includes Infinity Basic, TPS data-processing, Level data-processing + Adjustments 1D, Surface & Scanning, Adjustments 3D, Imaging, GNSS Multi frequency data processing.

Mandatory technical specifications - Survey Grade GPS

The system proposed by the contractor must minimally meet those technical specifications below, but without limitation. In addition, the system should be fully functional and operational.

ANTENNAS

- Must have an internal UHF radio;
- Must have unlimited GNSS RTK Tracking including BeiDou
- Must have a GNSS processor with a minimum of 550 channels for new satellites arrival;
- Must support GPS signals: L1 (1575.42 MHz), L2 (1227.6 MHz), L5 (1176.45 MHz), LC2;
- Must support signals GLONASS L1/L2;
- Must be compatible with Galileo GIOVE-A and GIOVE-B;
- Must have an automatic detection function and screening for correction signals RTK (Real Time Kinematic) and scanning system (ex. R-Track);
- Must provide data as accurate as survey data within mm;
- Must have a maximum horizontal accuracy of 08 mm + 1 ppm MRS;

- Must have a maximum vertical accuracy of 15 mm + 1 ppm MRS;
- Must have an initialization time extremely quick (means < 10 s);
- Must be waterproof and be sealed to moisture;
- Must have protection against sand and dust;
- Must have protection against shocks and from drops;
- Must have protection against vibration;
- Must withstand extreme temperatures;
- Must be a maximum weight of 3 kg standard RTK rover setup on pole.

BATTERIES ET CHARGERS

- Must be rechargeable;
- Must have a set of extra batteries;
- Must have a standard wall outlet charger.

RANGE POLE

- Must be a minimum of 2 meters;
- Must have brackets to fix the antenna;
- Must have a stabilization pod (bipod);
- Must have other hardware fittings, if required.

CABLES

- Devices must be equipped with any cables required for their connection and running.

TRANSPORT CASES

- Transport case must be rigid.

6 Formation

One day on-site training is required. The training session must include, but is not limited to, theoretical explanations and practical demonstration of the equipment supplied. For example: the installation of equipment, taking measurements in the field, explaining the software included with GPS and demonstrate how to transfer datasets. The trainer should be able to answer any questions regarding the equipment. The training will be held in French.

7 Documentation

The contractor must provide an equipment maintenance and user guide related to its proposal in French and English.

8 Maintenance and Technical Support

Must include a one (1) year protection plan; (support, software and firmware upgrade);
Must include unlimited technical support on-line or by phone (For the life of the equipment);
Must include the first equipment calibration according to the manufacturer's recommendations;

ANNEX B

BASIS OF PAYMENT

Art.	Description	Qty	Firm Unit Price	Total Firm Price (CAD)
1	<p>Robotic Survey Equipment In accordance with the specifications described in Annex "A", point (5.1): Make : _____ Model : _____</p>	1 Ea	\$	\$
2	<p>Survey Grade GPS In accordance with the specifications described in Annex "A", point (5.2): Make : _____ Model : _____</p>	1 Ea	\$	\$
3	<p>Documentation: Manuals and/or CD or DVD or USB Key in French and English Reference : Point 7 of Annex « A »</p>	1 lot	\$	\$
4	1 year Smart Link Service	1 Ea	\$	\$
5	Unlimited technical support on-line or by phone	1 lot	\$	\$
6	<p>Training on-site (CFB Bagotville) On site at CFB Bagotville Reference: Point 6 of Annex « A »</p>	1 lot	\$	\$
7	<p>Shipping DDP (CFB Bagotville, Alouette, Québec, Canada), including custom duty, handling and delivery.</p>	1 lot	\$	\$
TOTAL BID PRICE (TBP) =				\$
Note: Price in Canadian currency, not including Applicable Sales Taxes.				
<p><i>* Bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes and the subsequent Contract award. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency. The subsequent contract will be in Canadian dollars.</i></p>				

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ANNEX « C »

CERTIFICATION AND BIDDER FORMS

Form – To be submitted with bid

5.2.4. OEM Certification

OEM Certification Form

This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.

Name of OEM _____

Signature of authorized signatory of OEM _____

Print Name of authorized signatory of OEM _____

Print Title of authorized signatory of OEM _____

Address for authorized signatory of OEM _____

Telephone no. for authorized signatory of OEM _____

Fax no. for authorized signatory of OEM _____

Date signed _____

Solicitation Number _____

Bidder's name _____