

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC  
11 Laurier St./ 11 rue, Laurier  
Place du Portage, Phase III  
Core 0A1 / Noyau 0A1  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL**  
**DEMANDE DE PROPOSITION**

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

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

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

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

**Comments - Commentaires**

<b>Title - Sujet</b> METROLOGY ARM	
<b>Solicitation No. - N° de l'invitation</b> H4091-122741/A	<b>Date</b> 2012-10-23
<b>Client Reference No. - N° de référence du client</b> H4091-122741	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-938-61431	
<b>File No. - N° de dossier</b> pv938.H4091-122741	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-12-03</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Roy, Paul	<b>Buyer Id - Id de l'acheteur</b> pv938
<b>Telephone No. - N° de téléphone</b> (819) 956-6919 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF HEALTH 1800 WALKLEY RD PRODUCT SAFETY LABORATORY OTTAWA Ontario K1A0L2 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**  
Scientific, Medical and Photographic Division / Division de  
l'équipement scientifique, des produits photographiques et  
pharmaceutiques  
11 Laurier St./ 11 rue, Laurier  
6B1, Place du Portage  
Gatineau, Québec K1A 0S5

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



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	METROLOGY ARM ASSET MASTER NUMBER: 1014440	H4091	H4091	1	Each	\$	XXXXXXXXXXXX	XXXXXXXXXXXX	See Herein	

## TABLE OF CONTENTS

### PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Requirement
3. Debriefings

### PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

### PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

### PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Mandatory Technical Criteria
3. Basis of Selection

### PART 5 - CERTIFICATIONS

1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award
2. Certifications Required with the Bid

### PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. Requirement
3. Standard Clauses and Conditions
4. Term of Contract
5. Shipping Instructions - Delivery at Destination
6. Authorities
7. Payment
8. Invoicing Instructions
9. Certifications
10. Applicable Laws
11. SACC Manual Clauses
12. Priority of Documents

#### List of Annexes:

Annex A          Mandatory Specifications

---

## **PART 1 - GENERAL INFORMATION**

### **1. Security Requirement**

There is no security requirement associated with the requirement.

### **2. Requirement**

The Product Safety Laboratory (PSL) of Health Canada has a requirement for the supply, training and support of a portable co-ordinate measurement machine (CMM) with a contact point laser scanner unit with supporting software and hardware. The CMM will enable PSL staff to perform annual and monthly verifications of complex geometries on PSL test equipment. The CMM will also be used to measure key Consumer product dimensions as they relate to the Consumer Product Safety Act and associated regulations. In accordance with the mandatory specifications detailed at Annex "A".

### **3. Debriefings**

After contract award, bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone.

## **PART 2 - BIDDER INSTRUCTIONS**

### **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 (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) 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 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has 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 provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications of 2003 referenced above is replaced by:

---

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation

## 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.

## 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

## 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 Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

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

**Section I: Technical Bid ( two (2) hard copies), consisting of technical brochures/literature to verify compliancy and test data, if applicable.**

**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 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.

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>). To assist Canada in reaching its objectives, bidders are encouraged to:

- 1) use paper containing fiber certified as originating from a sustainably-managed forest and/or containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of color 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.

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

#### 1.1 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods:

Location: \_\_\_\_\_ Postal Code: \_\_\_\_\_

#### 1.2 Delivery

Delivery is required by March 31, 2013.

Although it is expected that the equipment be delivered within this time frame, the earliest date that can be achieved is : \_\_\_\_\_ (State your best delivery possible)

#### 1.3 Installation

The Contractor must provide on-site installation of the system. Installation must be carried out by a qualified service technician. All costs associated with the installation and commissioning of the system, including travel and living expenses must be included in the price.

Although Installation must be carried out and completed by March 31, 2013, the earliest date that can be achieved is (Bidder state your best schedule possible): \_\_\_\_\_

#### 1.4 Training

The Contractor must provide training in English and in French for up to two (2) end users. The training must enable to carry out basic operation and maintenance of the system.

Training must be Available within Canada

The exact date, time and location of the training will be mutually agreed between the Contractor and the Technical Authority.

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv938

Client Ref. No. - N° de réf. du client

H4091-122741

File No. - N° du dossier

pv938H4091-122741

CCC No./N° CCC - FMS No/ N° VME

---

Provide complete details of training e.g. duration, scope, etc. (attach separately, if required).

---

---

---

---

### 1.5 Manuals

The Bidder must include one (1) hard copy and/or one (1) electronic copy, of the manuals in English and in French (if available) which should include:

- Installation and startup
- Operation and Maintenance procedures
- Troubleshooting & Parts manual
- Emergency procedures

### 1.6 Service/maintenance

Purchase of the equipment must include:

Response from the vendor's service support personnel must take place within a maximum 24 hours after initial contact (i.e. service call) from the operator.

Purchase of the system must include:

1. On site technical support for the system. This support must be available during normal business hours, Monday to Friday between 08:00 to 16:00. Any repairs must be completed within 30 days.
2. Technical phone support, support via the Internet must also be included with the purchase. Response for service queries must be within 24 hours or less.

Also, provide the following with your bid:

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

---

---

---

- b) Locations of available replacement parts for consumables to major components.

---

---

---

### 1.7 Contacts

Bidders are requested to provide the following: Information pertaining to Article 6.3 Contractor Representatives under Part 6, Resulting Contract Clauses

## 1.8 SACC Manual Clauses

B1000T Condition of Material (2007-11-30)

## Section II: Financial Bid

The bidder must quote a firm price all inclusive of supply, installation, commissioning, training and manuals Delivery Duty Paid (DDP), Ottawa, Ontario, Incoterms 2000, the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 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.

#### 1.1 Technical Evaluation

All proposals submitted shall be completed in full and provide all of the information requested in the Request for Proposal (RFP) detailed in **Annex A** to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

##### 1.1.2 Mandatory Technical Criteria

See "Annex A"

### 1.2 Financial evaluation

A0220T Evaluation of Price 2007-05-25

### 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 including the optional requirement will be recommended for award of a contract.

## **PART 5 - CERTIFICATIONS**

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify the bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

### **1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award**

**1.1** Bidders should provide, with their bids or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

### **2. Certifications Required with the Bid**

Bidders must provide the required certifications, as part of their bid. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

#### **2.1 Federal Contractors Program for Employment Equity \$200,000 or more**

1. The Federal Contractors Program for Employment Equity (FCP-EE) requires that some suppliers bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder is subject to the FCP-EE, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Social Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contract Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP-EE for a reason other than the reduction of their workforce to less than 100 employees. Any bid from ineligible contractors will be declared non-responsive.

2. the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP-EE, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity to the Labour Branch of HRSDC.

3. The Bidder certifies its status with the FCP-EE, as follows:

The Bidder

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv938H4091-122741

Buyer ID - Id de l'acheteur

pv938

CCC No./N° CCC - FMS No/ N° VME

Client Ref. No. - N° de réf. du client

H4091-122741

- 
- (a) ( ) is not subject to the FCP-EE, having a workforce of less than 100 permanent full time, part-time or temporary employees in Canada,
- (b) ( ) is not subject to the FCP-EE, being a regulated employer under the Employment Equity Act, S.C. 1995, c.44;
- (c) ( ) is subject to the requirements of the FCP-EE, having a workforce of 100 or more permanent full time, part- time or temporary employees in Canada, but has not previously obtained a certificate number from HRSDC, (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) ( ) is subject to the FCP-EE, and has a valid certificate number as follows: \_\_\_\_\_  
(e.g. has not been declared ineligible contractor by HRSDC).

Further information on the FCP-EE is available on the following HRSDC Web site:

---

## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement associated with the requirement.

### 2. Requirement

Environment Canada (Analysis and Air Quality Section, Air Quality Research Division, Ottawa) has a requirement for a ultra high performance liquid chromatography/triple quadrupole mass spectrometry (UHPLC/Triple Quad MS) system used for method development and identification of polar organics in particular matter in support of NAPS network, Oil Sands Monitoring Plan, PERD and other programs, in accordance with the mandatory specifications detailed at Annex "A".

### 3. General Conditions

2010A (2012-07-16), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual issued by Public Works and Government Services Canada.

### 4. Term of Contract

The contract will be in force until all warranty or optional provisions of this agreement are expired.

#### 4.1 Delivery Date

Delivery must be completed on or before (to be filled in at contract award).

#### 4.2 Installation

On-site installations and commissioning must be carried out and completed on or before (to be filled in at contract award). Installation must be carried out by a qualified service technician. All costs associated with the installation and commissioning of the systems, including travel and living expenses included.

#### 4.3 Training

The Contractor must provide on-site training in English for up to three (3) operators. The training must enable to carry out basic operation and maintenance of the system.

The exact date, time and location of the training will be mutually agreed between the Contractor and the Technical Authority. All costs associated with the training are included.

#### 4.4 Software Upgrades

The UHPLC/Triple Quad MS system software upgrades, updates and new releases shall be provided to the purchaser for a period of one year following the acceptance, at no additional cost.

(Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software or new modules or supplementary modules that function in conjunction with the software, that represent the next generation

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv938H4091-122741

Buyer ID - Id de l'acheteur

pv938

CCC No./N° CCC - FMS No/ N° VME

H4091-122741

of software, and which the Contractor has decided to make available to its customers usually for an additional charge.)

The contractor must provide all software updates and new releases to the purchaser for a period of five (5) years following the acceptance, at no additional cost.

## 5. Shipping Instructions - Delivery at Destination

The delivery must be Delivery Duty Paid (DDP) Ottawa, Ontario, Incoterms 2000 for shipments from a commercial contractor.

The Contractor will be responsible for all shipping, costs and risks of transport, transport insurance and customs clearance including payment of customs duties and taxes.

## 6. Authorities

### 6.1 Contracting Authority

The Contracting Authority for the Contract is:

Paul Roy  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial Consumer Products Directorate  
11 Laurier Street, 6A2, Phase III  
Place du Portage, Hull, Quebec, K1A 0S5  
Telephone: (819) 956-6919  
Facsimile: (819) 956-3814  
E-mail address: paul.roy@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 6.2 Technical Authority *(to be filled in only at contract award)*

The Technical Authority named above 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.

### 6.3 Contractor's Representative *(to be filled in by the Bidder)*

The telephone number of the person responsible for :

#### General enquiries

Name: \_\_\_\_\_

#### Delivery Follow-up

Name: \_\_\_\_\_

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv938H4091-122741

Buyer ID - Id de l'acheteur

pv938

CCC No./N° CCC - FMS No/ N° VME

Telephone No. \_\_\_\_\_

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

E-mail address: \_\_\_\_\_

**7. Payment**

**7.1 Basis of Payment - Firm Price**

- 1. In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor shall be paid a firm price of \$ to be filled in at contract award, Goods and Services Tax or Harmonize Sales Tax extra, if applicable.
- 2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Specifications, will be authorized or paid to the Contractor unless such design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority prior to their incorporation in the Work.

**8. Invoicing Instructions**

The Contractor must submit invoices in accordance with the information required in section 10 of 2010A General Conditions - Goods (Medium Complexity).

Original copy to consignee with one copy to the **Contracting Authority**.

**9. Certifications**

- 9.1 Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

**10. 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 Ontario.

**11. SACC Manual Clauses**

A2000C	Foreign Nationals (Canadian Contractor)	(2006-06-16)
A2001C	Foreign Nationals (Foreign Contractor)	(2006-06-16)
A9068C	Government Site Regulations	(2010-01-11)
B1501C	Electrical Equipment	(2006-06-16)

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv938H4091-122741

Buyer ID - Id de l'acheteur

pv938

CCC No./N° CCC - FMS No/ N° VME

H4091-122741

---

## 12. 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) 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Mandatory Specifications;
- (d) the Contractor's bid dated (insert date of bid) \_\_\_\_\_

**ANNEX A**  
**Mandatory Requirements**  
**For a Metrology Arm/Laser Scanner Unit**

The Metrology Arm must have the following specifications:

<b>Metrology Arm</b>		
Req. No.	Requirement	Validation Reference
1	7-axis	
2	Heavy duty case for metrology arm	
3	Laser scanner attachment (point cloud acquisition)	
4	12" probe extension	
5	Portable CMM stand	
6	Ball probe attachment (single point acquisition)	
7	64-bit high end laptop	
8	Temperature corrected encoders	
9	Warnings to indicate if excessive stress is being applied to the arm	
10	Dimensions available in SI or Imperial units	
11	Must be portable	
12	Working area to be within the range of 12 - 15 ft	
13	Volumetric accuracy for ball probe at least $\pm 0.0035$ in	
14	Volumetric accuracy for laser scanner at least $\pm 0.0014$ in	
15	Laser scanner Must acquire at least 42,000 points/sec.	
16	Line scan length on laser scanner Must be at least 3 in.	
17	Arm counterbalance system should be internal and sealed from the environment	
18	Arm power supply should operate on 120V	
19	Wi-Fi connectivity capability	
20	Ability to perform basic measurements without a computer	
21	Ability to operate wirelessly	
22	On-board touchscreen	
23	Fast switching between laser scanner and ball probe point acquisition	
24	Ability to remove laser scanner and continue to perform measurements with the ball probe.	
25	Metrology Arm Stand with an adjustable working height (minimum range between 36 - 54 in)	
26	The Metrology arm must calibrated in an ISO 17025 certified laboratory	

Solicitation No. - N° de l'invitation

H4091-122741/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv938H4091-122741

Buyer ID - Id de l'acheteur

pv938

CCC No./N° CCC - FMS No/ N° VME

Client Ref. No. - N° de réf. du client

H4091-122741

<b>Software</b>		
<b>27</b>	Capable of reading in digitized points from both the ball point or laser scanner attachment	
<b>28</b>	Software must allow measurement of distances and angles of the digitized points	
<b>29</b>	In addition to proprietary formats, should output industry standard open format CAD files to allow for importing into 3rd party 3D CAD software such as AutoCAD.	
<b>30</b>	Must have the ability to generate reports	