

**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> Analog-to Digital converter	
<b>Solicitation No. - N° de l'invitation</b> W7714-145860/A	<b>Date</b> 2013-08-27
<b>Client Reference No. - N° de référence du client</b> W7714-145860	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-329-63384	
<b>File No. - N° de dossier</b> hn329.W7714-145860	<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 2013-09-16</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT	
<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> Dumaresq, Steve	<b>Buyer Id - Id de l'acheteur</b> hn329
<b>Telephone No. - N° de téléphone</b> (819) 956-3487 ( )	<b>FAX No. - N° de FAX</b> (819) 953-4944
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DRDC - OTTAWA BLDG 29 3701 CARLING AVE OTTAWA Ontario K1A0Z4 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**

Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
6B1, Place du Portage, Phase III  
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	Analog-to Digital converter As per specifications at Annex "A".	W1410	W1410	8	Each	\$	XXXXXXXXXXXX	See Herein	
2	Recorder device As per specifications at Annex "A".	W1410	W1410	1	Each	\$	XXXXXXXXXXXX	See Herein	

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### ANNEX "A" REQUIREMENT

**PART 1 - GENERAL INFORMATION****1. Security Requirement**

There is no security requirement associated with the solicitation.

**2. Requirement**

The contractor must provide the goods in accordance with the technical requirements stated herein at Annex "A" and in the quantities stated at page 2.

**2.1 Delivery Requirement**

Delivery is requested to be completed within 4 to 6 weeks from purchase.

**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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## 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* (<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 (2013-06-01) 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: sixty (60) days  
Insert: ninety (90) calendar days

#### 1.1 SACC Manual Clauses

SACC Reference	Section	Date
A9033T	Financial Capability	2012-07-16
B1000T	Condition of Material	2007-11-30

### 2. Submission of Bids

Bids must be submitted ONLY TO THE BID RECEIVING UNIT by the date, time and place indicated on page 1 of the bid solicitation. Do not send proposal directly to the Contracting Officer. Email proposals not accepted.

PWGSC Bids Receiving Unit  
11 Laurier Street

Place du Portage, Phase 3, Core 0A1  
Gatineau, Québec, K1A 0S5

Tel.: 819-956-3366  
Fax: 819-953-4944

### 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered. Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the 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.

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hn329

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

W7714-145860

File No. - N° du dossier

hn329W7714-145860

CCC No./N° CCC - FMS No/ N° VME

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#### **4. Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in 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 ( 2 hard copies )

Section II: Financial Bid, Certifications and Additional information ( 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.

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

- 1) use paper containing fibre 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 colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

### **SECTION I: TECHNICAL BID ( 2 HARD COPIES )**

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, CERTIFICATIONS AND ADDITIONAL INFORMATION ( 1 HARD COPY )**

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

#### **1.1 Exchange Rate Fluctuation**

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and will render the bid non-responsive.

#### **1.2 Certifications**

Bidders must submit the certifications required under Part 5 prior to contract award.

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Buyer ID - Id de l'acheteur

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File No. - N° du dossier

hn329W7714-145860

CCC No./N° CCC - FMS No/ N° VME

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### 1.3 Additional Information

#### 1.3.1 Delivery Offered

While delivery is requested as indicated at Part 1 above, the best delivery that could be offered is\_\_\_\_\_.

#### 1.3.2 Procurement Business Number (PBN)

<https://buyandsell.gc.ca/for-businesses/register-as-a-supplier>

The Procurement Business Number of the supplier is:\_\_\_\_\_.

#### 1.3.3 Contractor Representatives

Name and telephone number of the person responsible for :

##### General enquiries:

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

##### Delivery follow-up:

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



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

### **1. Evaluation Procedures**

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria. All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

#### **1.1 Technical Evaluation - Mandatory Criteria**

- Technical compliance to the Specifications at Annex "A";

#### **1.2 Financial Evaluation**

- The total bid price will be the sum of line items 01 and 02 at page 2.  
Total Bid Price = ( 8 x \$\_\_ each ) + ( 1 x \$\_\_each )

##### **1.2.1 Pricing Basis**

The bidder must quote firm prices in Canadian dollars, DDP Delivered Duty Paid (destination), with all applicable Custom duties and Excise taxes included.

Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable.  
Freight/Shipping charges to destination must be included.

### **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/compliant bid with the lowest evaluated price on an aggregate basis will be recommended for award of a contract.

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## PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

### 1. Mandatory Certifications Required Precedent to Contract Award

#### 1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

#### 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](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equality/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)) available from [Human Resources and Skills Development Canada \(HRSDC\)](#) - [Labour's website](#).

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

### 1. Security Requirement

There is no security requirement associated with the Contract.

### 2. Requirement

The contractor must provide the goods in accordance with the technical requirements stated herein at Annex "A" and in the quantities stated at page 2.

#### 2.1 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	2006-06-16
B7500C	Excess Goods	2006-06-16

### 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.

#### 3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

#### 3.3 SACC Manual Clauses

SACC Reference	Section	Date
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-05-16

### 4. Term of Contract

#### 4.1 Delivery Date

All the deliverables must be received on or before \_\_\_\_date\_\_\_\_ (Delivery as offered and as accepted will be inserted at contract award).

## 5. Authorities

### 5.1 Contracting Authority

Steve Dumaresq  
Public Works and Government Services Canada  
Acquisitions Branch  
Logistics, Electrical, Fuel and Transportation Directorate  
"HN" Division, 7B3, Place du Portage, Phase III, 11 Laurier Street  
Gatineau, QC, K1A 0S5  
Telephone : (819) 956-3487 Facsimile: (819) 953-4944  
E-mail address: steve.dumaresq@pwgsc-tpsgc.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.

### 5.2 Contractor's Representative

#### General Enquiries

Name: will be inserted at contract  
Telephone: will be inserted at contract  
Facsimile: will be inserted at contract  
E-mail: will be inserted at contract

#### Delivery Follow-up

Name: will be inserted at contract  
Telephone: will be inserted at contract  
Facsimile: will be inserted at contract  
E-mail: will be inserted at contract

## 6. Payment

### 6.1 Basis of Payment

Firm prices in Canadian dollars, DDP Delivered Duty Paid (destination), with all applicable Custom duties and Excise taxes included.

Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable.

Freight/Shipping charges to destination included.

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.

## 6.2 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

## 6.3 SACC Manual Clauses

SACC Reference	Section	Date
C2611C	Customs Duties - Contractor Importer	2007-11-30
G1005C	Insurance	2008-05-12

## 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 and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
  - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

Department of Public Works and Government Services  
 "HN" Division  
 7B3 Place du Portage, Phase III  
 11 Laurier Street, Gatineau, QC K1A 0S5  
 Attention: Steve Dumaresq

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications and related documentation 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, provide the related documentation or if 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.

## 9. Applicable Laws

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

## 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) 2010A (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Annex "A", Requirement;
- (d) the Contractor's bid dated \_\_date\_\_.

## 11. Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

## 12. SACC Manual Clauses

SACC Reference	Section	Date
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)	2010-08-16

## 13. SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
D9002C	Incomplete Assemblies	2007-11-30

### 13.1 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) (destination) Incoterms 2000 for shipments from a commercial contractor.

### 13.2 Preparation for Delivery

The Contractor must prepare the items delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack. The Contractor must package the items in quantities of 1 by package.

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## **ANNEX "A" - REQUIREMENT**

### **Analog-to-Digital Converters and Recorder**

#### **1. Scope**

- 1.1 This SOR specifies an Analog-to-Digital Converter (ADC) Device (See SOR Section 2), and a Recorder device (see SOR Section 3).
- 1.2 For clarity, note that a quantity of 8 ADC devices are being procured. Each ADC Device has 16 channels, implying a procurement of a total of 128 channels.

#### **2. ADC Device Requirements**

- 2.1 Each ADC Device shall have (i) 16 channels, (ii) an analog bandwidth of at least 30 megahertz, (iii) a sample rate of at least 80 million samples per second, (iv) an amplitude resolution of at least 16 digital bits, (v) a spurious free dynamic range of at least 90 decibels, (vi) a noise figure of at most 10 decibels, (vii) a time skew of at most 1 nanosecond, and (viii) an arbitrary number of sample points limited only by the storage of the Recorder Device (see SOR Section 3).
- 2.2 Each ADC Device shall perform digital down conversion that extracts In-phase/Quadrature-phase (IQ) data from the digitized signals with a user-selectable center frequency (common to all 16 channels) between 3 and 30 megahertz at a resolution of 1 hertz, with a user-selectable bandwidth (common to all 16 channels) of 10 kilohertz, 20 kilohertz, and 50 kilohertz.
- 2.3 Each ADC Device shall have a user-selectable clock source of (i) internal, (ii) internal referenced to an external 10-megahertz signal, and (iii) external. For cases (ii) and (iii) the Crown will provide the reference signal and clock signal, respectively, at the physical location of the ADC Device.
- 2.4 Each ADC Device shall have a user-selectable trigger source of (i) internal, and (ii) external. For case (ii) the Crown will provide a trigger signal at the physical location of the ADC Device.
- 2.5 Each ADC Device shall transmit IQ data and receive configuration information, over Single-Mode Fiber (SMF) optic cable(s) up to 10 km long. The Crown will provide the physical SMF optic cable(s).

#### **3. Recorder Device Requirements**

- 3.1 The Recorder Device shall receive IQ data from, and transmit configuration information to, up to 8 ADC Devices (as specified in SOR Section 2), each of which is at a physically distinct location, via SMF optic cables up to 10 km long.
- 3.2 The Recorder Device shall store received IQ data, in a documented format, on internal hard disk drive storage media of size no less than 4 terabytes.
- 3.3 The recorder Device shall permit connection to removable storage media that could be installed at a later time by the Crown.
- 3.4 The Recorder device shall permit connection to a wide area network that could be installed at a later time by the Crown.