



Purchasing Office: – Bureau des achats :

Procurement & Contracting Services
Bid Receiving Unit
VISITOR'S CENTRE
73 Leikin Drive
Ottawa, Ontario K1A 0R2

Services d'acquisitions et des marchés
Module de réception des soumissions
CENTRE DES VISITEURS
73 promenade Leikin
Ottawa (Ontario) K1A 0R2

**REQUEST FOR
PROPOSAL**

**DEMANDE DE
PROPOSITION**

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.

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

Comments :

Title – Sujet RF Signal & Spectrum Analyzer – 13 GHz		Date October 18, 2013
Solicitation No. – N° de l'invitation 201402870		
Solicitation Closes – L'invitation prend fin		
At / à :	2:00 PM	EDT(Eastern Daylight Saving Time) HAE (heure avancée de l'Est)
On / le : November 1, 2013		
F.O.B. – F.A.B Destination	GST – TPS See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services Royal Canadian Mounted Police 1426 St. Joseph Boulevard Ottawa, Ontario K1A 0R2		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à Allison Graham		
Telephone No. – No. de téléphone 613-843-6679	Facsimile No. – No. de télécopieur 613-825-0082	
Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:		
Telephone No. – No. de téléphone	Facsimile No. – No. de télécopieur	
E-mail – Courriel		
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	

PART 1 - GENERAL INFORMATION

1. Security Requirement

1.1 The Contractor is required to be security cleared at the level of RCMP Facility Access as verified by the Personal Security Unit (PSU) of the Royal Canadian Mounted Police (RCMP).

1.2 The Contractor must not remove or make copies of any designated or classified information or assets from the identified work site(s), and the Contractor must ensure that its personnel are made aware of and comply with this restriction.

1.3 The Contractor must comply with the provisions of the Security Requirements Check List in Annex "D".

2. Requirement

The requirement is detailed under Article 2 of the resulting contract clauses.

3. Debriefings

After contract award, 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.

4. Procurement Ombudsman

The Office of the Procurement Ombudsman (OPO) was established by the Government of Canada to provide an independent avenue for suppliers to raise complaints regarding the award of contracts under \$25,000 for goods and under \$100,000 for services. You have the option of raising issues or concerns regarding the solicitation, or the award resulting from it, with the OPO by contacting them by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca. You can also obtain more information on the OPO services available to you at their website at www.opo-boa.gc.ca.

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](http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp) (http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp) 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.

Section 01 – Code of Conduct and Certification – Bid of 2003 referenced above is amended as follows:

Delete subsection 1.4 and 1.5 in their entirety.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: one hundred and twenty (120) days



1.2 SACC Manual Clauses

B1000T (2007-11-30) Condition of Material

1.3 Revision of Departmental Name

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

2. Submission of Bids

Bids must be submitted only to RCMP Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

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

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 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 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 hard copies)

Section II: Financial Bid (one hard copy)

Section III: Certifications (one 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) (<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:

- a) use paper containing fibre certified as originating from a sustainably-managed forest and/or containing minimum 30% recycled content; and
- b) 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.

The technical bid consists of the following:

- a) Completed and signed page 1 of the RFP;
- b) Documentation to substantiate compliance to all Mandatory Technical Criteria, such as brochures, specification sheets, etc.; and
- c) Completed Annex "C" - Evaluation Criteria, with substantiating details and/or cross references to the specific location in their product documentation that demonstrates the product meets each Mandatory Technical Criteria.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Annex "B" - Basis of Payment. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

1.1 SACC Manual Clauses

C3011T (2010-01-11) Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

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

- a) **Mandatory Technical Criteria** – as detailed in Annex "A" – Requirement, and Annex "C" – Evaluation Criteria.



1.2 Financial Evaluation

SACC Manual Clause A0220T (2013-04-25) Evaluation of Price

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

2. Basis of Selection - Mandatory Technical Criteria

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and 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 the Standard Instructions identified in this solicitation. 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) 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.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 Former Public Servant Certification

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below before contract award.



Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the Financial Administration Act, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the Public Service Superannuation Act (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the Supplementary Retirement Benefits Act, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the Canadian Forces Superannuation Act, R.S., 1985, c.C-17, the Defence Services Pension Continuation Act, 1970, c.D-3, the Royal Canadian Mounted Police Pension Continuation Act, 1970, c.R-10, and the Royal Canadian Mounted Police Superannuation Act, R.S., 1985, c.R-11, the Members of Parliament Retiring Allowances Act, R.S., 1985, c.M-5, and that portion of pension payable to the Canada Pension Plan Act, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?

Yes () No ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.



For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Contractor must provide the items detailed at Annex "A" - "Requirement".

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](http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp) (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) 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.

Section 29 - Code of Conduct and Certifications - Contract of 2010A referenced above is amended as follows:

Delete subsection 29.4 in its entirety.

3.2 Supplemental General Conditions

4003 (2010-08-16) Licensed Software, apply to and form part of the Contract.

4005 (2012-07-16) Telecommunications Services and Products

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is the entire period of time during which the Contractor is obliged to perform the Work, which:

- a) begins on the date the Contract is awarded; and
- b) ends on the day that the warranty period expires, or on the day that the final work initiated during the warranty period is complete, whichever is later.

4.2 Delivery Date

All the deliverables must be received on or before December 2, 2013.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Allison Graham



Title: Procurement Officer
Royal Canadian Mounted Police, HQ Procurement and Contracting
Address: 73 Leikin Drive, Ottawa, Ontario K1A 0R2
Telephone: 613-843-6972
Facsimile: 613-825-0082
E-mail address: allison.graham@rcmp-grc.gc.ca

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

5.2 Technical Authority

The Technical Authority for the Contract is: (To be specified 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.

5.3 Contractor's Representative

(To be specified at contract award)

6. Payment

6.1 Basis of Payment – Firm Unit Price(s)

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

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

6.2 Method of Payment

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

7. Invoicing Instructions

7.1 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.

7.2 Invoices must be distributed as follows:

- a) The original and one copy must be forwarded to the Invoicing Address listed on the first page of the Contract for certification and payment.
- b) Upon request, one copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8. Certifications



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.

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) these Articles of Agreement;
- b) the supplemental general conditions 4003 (2010-08-16) Licensed Software;
- c) the general conditions 2010A (2013-04-25) General Conditions - Goods (Medium Complexity);
- d) Annex "A" - Requirement;
- e) Annex "B" - Basis of Payment;
- f) the Contractor's bid dated _____. (To be specified at contract award)

11. SACC Manual Clauses

B7500C (2006-06-16) Excess Goods
D0018C (2007-11-30) Delivery and Unloading
G1005C (2008-05-12) Insurance

12. Inspection and Acceptance

The Technical 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 Requirements 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.



ANNEX "A" - REQUIREMENT

REAL-TIME SPECTRUM/SIGNAL ANALYZER

1. Objective:

- 1.1 The RCMP a requirement for one high-performance Signal and Spectrum Analyzer for the National Radio Support Services (NRSS) laboratory.

2. Description:

- 2.1 The NRSS laboratory needs a high-performance Signal and Spectrum Analyzer to evaluate radio communication equipment against industry standards and manufacturer specifications.

3. Technical Requirement:

- 3.1 The RF Signal & Spectrum Analyzer must have a frequency range of 9 KHz to 13 GHz or greater.
- 3.2 The RF Signal & Spectrum Analyzer must include the high stability reference oscillator with an aging rate of $4 \times (10 \times 10^{-8})$ / year or greater.
- 3.3 The RF Signal & Spectrum Analyzer must include the RF preamplifier. Typical gain of 20 dB.
- 3.4 The RF Signal & Spectrum Analyzer must have a Displayed Average Noise Level of -160 dBm/1hz at 1 GHz or lower with pre-amp on.
- 3.5 The RF Signal & Spectrum Analyzer must have a SSB phase noises of -130 dBm at 10 KHz offset of a 1 GHz carrier or lower.
- 3.6 The RF Signal & Spectrum Analyzer amplitude range of DANL to +30 dBm or greater.
- 3.7 The RF Signal & Spectrum Analyzer must have a third-order intercept point (TOI) +20 dBm or greater. RF preamp off, 0 dB attenuation.
- 3.8 The RF Signal & Spectrum Analyzer must have a 0.5 dB amplitude accuracy or lower.
- 3.9 The RF Signal & Spectrum Analyzer must have an input attenuation range of 0 dB to 70 dB or greater.
- 3.10 The Spectrum Signal & Spectrum Analyzer must have a Resolution Band Width (RBW) range of 1 Hz to 5 MHz or greater.
- 3.11 The Spectrum Signal & Spectrum Analyzer must have a Video bandwidth range of 1Hz to 5 MHz or greater.
- 3.12 The Spectrum Analyzer must have a frequency sweep range of 10 MHz to 13 GHz or greater.
- 3.13 The Spectrum Analyzer must have a sweep time range of 1 microsecond to 1000 seconds or greater at span set to 0 Hz.
- 3.14 The RF Analyzer must have the analysis band width of 40 MHz or greater.
- 3.15 The RF Analyzer must have a spurious free dynamic range of -75 dBc or greater (i.e.: -80) in the 40 MHz analysis bandwidth.
- 3.16 The RF Analyzer must have a FFT sampling rate of 50 M sample per second or greater.
- 3.17 The RF Analyzer must include the Complementary Cumulative Density Function (CCDF) measurement.
- 3.18 The RF Analyzer must have a solid state hard drive to store the measurements and user setting.

4. Measurement Applications:

- 4.1 The RF Analyzer must have the AM/FM/phase *Analog Modulation* analysis application.
- 4.2 The RF Analyzer must have the *Phase Noise measurement analysis application*.
- 4.3 The RF Signal & Spectrum Analyzer must have the Noise Figure measurement analysis application.
- 4.4 The RF Analyzer must have the *Pulse* measurement application.
- 4.5 The RF Analyzer must have the *Vector Signal Analysis* measurement application.
- 4.6 The RF Spectrum Signal & Spectrum Analyzer must have the Electromagnetic Interference (EMI) measurement application.
- 4.7 The RF Analyzer must have the Blue Tooth Analysis measurement application.
- 4.8 The Vector Signal Analysis must have the option to select the following digital modulation: BPSK, QPSK, O-QPSK, PI/4DQPSK, 8PSK, 16QAM, 64QAM, 256QAM, 2FSK and 4FSK.



- 4.9 The Vector Signal Analysis must have a Predefined Measurement Setting list for APCO25 phase 1 and phase 2, TETRA.

5. Inputs and Outputs:

- 5.1 The RF Analyzer must have a RF N type female connector with an impedance of 50 ohm.
- 5.2 The RF Analyzer must have a Noise Source +28 V BNC female connector.
- 5.3 The RF Analyzer must have a monitor output VGA connector.
- 5.4 The RF Analyzer must a LAN TCP/IP 1000BaseT - RJ45 connector.
- 5.5 The RF Analyzer must have a GPIB interface IEEE-488 bus connector.
- 5.6 The RF Analyzer must have USB ports.
- 5.7 The RF Analyzer must have an IF output connector.

6. Training:

The contractor must provide one 4 day-training session for one employee, on site at 1426 St. Joseph Blvd, Ottawa (RCMP facility). Language of training: English. The topics included must include the following:

- 6.1.1. Basic use of the Signal & Spectrum Analyzer – maximum 4 hours
- 6.1.2. AM/FM/phase Analogue Modulation analysis training – maximum 4 hours
- 6.1.3. Phase Noise measurement training – maximum 4 hours
- 6.1.4. Noise Figure measurement training – maximum 4 hours
- 6.1.5. Pulse measurement training – maximum 4 hours
- 6.1.6. Vector Signal Analysis training – maximum 4 hours
- 6.1.7. EMI measurement training – maximum 4 hours
- 6.1.8. Blue Tooth Analysis measurement training – maximum 4 hours



ANNEX "B" - BASIS OF PAYMENT

ITEM	DESCRIPTION	MANUFACTURER AND PART NUMBER	FIRM UNIT PRICE (A)	QUANTITY (B)	UNIT OF ISSUE	EXTENDED PRICE (A X B)
1	RF signal Analyzer and spectrum Analyzer 13GHz			1	EA	
2	Precision OCXO frequency reference 4*(10exp-8)			1	EA	
3	RF Pre-amplifier, 1 MHz to 13 GHz			1	EA	
4	40 MHz Signal Analysis Bandwidth			1	EA	
5	AM/FM/phase Analogue Modulation analysis application			1	EA	
6	Phase Noise measurement analysis application			1	EA	
7	Noise Figure measurement analysis application			1	EA	
8	Pulse measurement application			1	EA	
9	Vector Signal Analysis measurement application			1	EA	
10	Blue Tooth Analysis measurement application			1	EA	
11	EMI measurement application			1	EA	
12	Additional 3 year warranty			1	EA	
13	Scheduled calibrations			3	EA	
14	4 day training, in English, including travel and living expenses.			1	EA	
15	Trade in Credit for RCMP owned Agilent PSA E4443A Spectrum Analyzer with digital processor module			1	EA	



	failure. Estimated repair cost: \$7,600.00						
						Subtotal:	\$
						Freight (if applicable)	\$
						HST 13%	\$
						Total Bid Price	\$



ANNEX "C" - EVALUATION CRITERIA

Mandatory Criteria:

Bidders are requested to provide a cross-reference below to identify the page(s) where each mandatory specification is demonstrated in their technical bid. Canada reserves the right to verify any and all information.

PART 1

ITEM	MANDATORY TECHNICAL REQUIREMENTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
M1	The RF Signal & Spectrum Analyzer must have a frequency range of 9 KHz to 13 GHZ or greater.	
M2	The RF Signal & Spectrum Analyzer must include the high stability reference oscillator with an aging rate of $4 \times (10 \times 10^{-8})$ / year or greater	
M3	The RF Signal & Spectrum Analyzer must include the RF preamplifier. Typical gain of 20 dB.	
M4	The RF Signal & Spectrum Analyzer must have a Displayed Average Noise Level of -160 dBm/1hz at 1 GHZ or lower with pre-amp on.	
M5	The RF Signal & Spectrum Analyzer must have a SSB phase noises of -130 dBm at 10 KHz offset of a 1 GHZ carrier or lower.	
M6	The RF Signal & Spectrum Analyzer amplitude range of DANL to +30 dBm or greater	
M7	The RF Signal & Spectrum Analyzer must have a third-order intercept point (TOI) +20 dBm or greater. RF preamp off, 0 dB attenuation	
M8	The RF Signal & Spectrum Analyzer must have a 0.5 dB amplitude accuracy or lower.	
M9	The RF Signal & Spectrum Analyzer must have an input attenuation range of 0 dB to 70 dB or greater. dB to 70 dB or better.	
M10	The Spectrum Signal & Spectrum Analyzer must have a	



ITEM	MANDATORY TECHNICAL REQUIREMENTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
	Resolution Band Width (RBW) range of 1 Hz to 5 MHz or greater	
M11	The Spectrum Signal & Spectrum Analyzer must have a Video bandwidth range of 1Hz to 5 MHz or greater	
M12	The spectrum Analyzer must have a frequency sweep range of 10 MHz to 13 GHz or greater	
M13	The Spectrum Analyzer must have a sweep time range of 1 microsecond to 1000 seconds or greater at span set to 0 Hz	
M14	The RF Analyzer must have the analysis band width of 40 MHz or greater	
M15	The RF Analyzer must have a spurious free dynamic range of -75 dBc or greater (ie: -80) in the 40 MHz analysis bandwidth	
M16	The RF Analyzer must have a FFT sampling rate of 50 M sample per second or greater	
M17	The RF Analyzer must include the Complementary Cumulative Density Function (CCDF) measurement	
M18	The RF Analyzer must have a solid state hard drive to store the measurements and user setting	

PART 2

ITEM	MANDATORY MEASUREMENT REQUIREMENTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
M19	The RF Analyzer must have the AM/FM/phase <i>Analog Modulation</i> analysis application	



ITEM	MANDATORY MEASUREMENT REQUIREMENTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
M20	The RF Analyzer must have the <i>Phase Noise measurement analysis application</i>	
M21	The RF signal and Spectrum Analyzer must have the Noise Figure measurement analysis application	
M22	The RF Analyzer must have the <i>Pulse</i> measurement application	
M23	The RF Analyzer must have the <i>Vector Signal Analysis</i> measurement application	
M24	The RF Spectrum Signal & Spectrum Analyzer must have the Electromagnetic Interference (EMI) measurement application	
M25	The RF Analyzer must have the Blue Tooth Analysis measurement application	
M26	The Vector Signal Analysis must have the option to select the following digital modulation: BPSK, QPSK, O-QPSK, PI/4DQPSK, 8PSK, 16QAM, 64QAM, 256QAM, 2FSK and 4FSK	
M27	The Vector Signal Analysis must have a Predefined Measurement Setting list for APCO25 phase 1 and phase 2, TETRA	

PART 3

ITEM	MANDATORY INPUTS AND OUTPUTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
M28	The RF Analyzer must have a RF N type female connector with an impedance of 50 ohm	
M29	The RF Analyzer must have a Noise Source +28 V BNC female connector.	
M30	The RF Analyzer must have a monitor output VGA connector.	
M31	The RF Analyzer must a LAN TCP/IP 1000BaseT - RJ45 connector	



ITEM	MANDATORY INPUTS AND OUTPUTS	SUBSTANTIATION IN DETAIL AS TO HOW THIS REQUIREMENT WAS MET OR NOT MET CROSS REFERENCE TO PROPOSAL (PAGE & PARAGRAPH)
M32	The RF Analyzer must have a GPIB interface IEEE-488 bus connector	
M33	The RF Analyzer must have USB ports	
M34	The RF Analyzer must have IF output connector	



ANNEX "D" - SRCL



Government of Canada / Gouvernement du Canada

Contract Number / Numéro du contrat 201402870
Security Classification / Classification de sécurité

SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine RCMP	2. Branch or Directorate / Direction générale ou Direction NRSS	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Procurement of a RF Signal and Spectrum analyzer including the training to be performed at the RCMP TPOF facility located 1426 St. Blvd, Orleans. WARRANTY CALIBRATIONS - SHIPPED OUT FOR THIS WORK.		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. <input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui		
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input checked="" type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	
Foreign / Étranger <input type="checkbox"/>		
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions / Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable / À ne pas diffuser <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	
Restricted to: / Limité à: <input type="checkbox"/>	Specify country(ies): / Préciser le(s) pays: <input type="checkbox"/>	
7. c) Level of information / Niveau d'information		
PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>		TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité





Government of Canada / Gouvernement du Canada

Contract Number / Numéro du contrat 201402870
Security Classification / Classification de sécurité

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?
If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité: No / Non Yes / Oui

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?
Short Title(s) of material / Titre(s) abrégé(s) du matériel:
Document Number / Numéro du document: No / Non Yes / Oui

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITE	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS SECRET
<input type="checkbox"/> TOP SECRET-SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCÈS AUX EMPLACEMENTS			

Special comments:
Commentaires spéciaux: Training at the 1426 St. Joseph, Ottawa TPOF building FACILITY ACCESS à ESCORT

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui
If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

Canada



Royal Canadian Mounted Police / Gendarmerie royale du Canada



Government of Canada / Gouvernement du Canada

Contract Number / Numéro du contrat 201402870
Security Classification / Classification de sécurité

PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉE			NATO				COMSEC						
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COMSEC TOP SECRET / COMSEC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	
							NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL	NATO SECRET		A	B	C				
Information / Assets / Renseignements / Biens / Production																	
IT Media / Support TI																	
IT Link / Lien électronique																	

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

