



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

Bid Receiving/Réception des soumissions

RCMP Procurement & Contracting  
73 Leikin Drive, Bldg M1  
Mailstop #15  
Ottawa, On K1A 0R2  
Attn: Megan McCoy 613-843-3798

**REQUEST FOR  
PROPOSAL**

**DEMANDE DE  
PROPOSITION**

Proposal to: Royal Canadian Mounted Police

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

Proposition aux : Gendarmerie royale du Canada

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

Comments: - Commentaries :

<b>Title – Sujet</b> Bench Top Signal Analyzer		<b>Date</b> November 12th, 2014
<b>Solicitation No. – N° de l'invitation</b> 201501332		
<b>Client Reference No. - No. De Référence du Client</b> 201501332		
<b>Solicitation Closes – L'invitation prend fin</b>		
<b>At / à :</b>	2:00 pm	EST (Eastern Standard Time) HNE (heure normale de l'Est)
<b>On / le :</b>	December 23rd, 2014	
<b>F.O.B. – F.A.B</b> Destination	<b>GST – TPS</b> See herein — Voir aux présentes	<b>Duty – Droits</b> See herein — Voir aux présentes
<b>Destination of Goods and Services – Destinations des biens et services</b> RCMP "G" Division Informatics Radio Workshop 5010 49 <sup>th</sup> Avenue Yellowknife, North West Territories X1A 2R3		
<b>Instructions</b> RCMP National Radio Services 1200 Vanier Parkway, RM 2-025 CPIC Bldg, Mailstop #16 Ottawa, ON K1A 0R2 ATT:Narima Hoyt		
<b>Address Inquiries to – Adresser toute demande de renseignements à</b> Carmelia Da Silva		
<b>Telephone No. – No. de téléphone</b> 613-843-3896	<b>Facsimile No. – No. de télécopieur</b> 613-825-0082	

<b>Delivery Required – Livraison exigée</b> See herein — Voir aux présentes	<b>Delivery Offered – Livraison proposée</b>
<b>Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:</b>	
<b>Telephone No. – No. de téléphone</b>	<b>Facsimile No. – No. de télécopieur</b>
<b>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)</b>	
<b>Signature</b>	<b>Date</b>



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## PART 1 - GENERAL INFORMATION

### 1. Security Requirement

There is no security requirement associated with the requirement.

### 2. Requirement

The Requirement is detailed in Annex "A".

### 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.

### 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](mailto: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](http://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 Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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

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

The 2003 (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.



## 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 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 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 (3 hard copies)

Section II: Financial Bid (1 hard copies)

Section III: Certifications (1 hard copies)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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 should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

## **Section I: Technical Bid**

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

### **1.1 Equivalent Products**

- 1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
  - a. designates the brand name, model and/or part number of the substitute product;
  - b. states that the substitute product is fully interchangeable with the item specified;
  - c. provides complete specifications and descriptive literature for each substitute product;
  - d. provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
  - e. clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
- 2. Products offered as equivalent in form, fit, function and quality will not be considered if:
  - . the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
  - a. the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
- 3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.



## **Section II: Financial Bid**

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

### **1.1 Exchange Rate Fluctuation**

C3011T (2013-01-11), 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**

##### **1.1.1 Mandatory Technical 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.

#### **1.2 Financial Evaluation**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP North West Territories, Canadian customs duties and excise taxes included.

### **2. Basis of Selection**

- 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](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.

#### 1.3 Product Conformance

The Offeror certifies that all the products offered conform, and will continue to conform throughout the duration of the Contract, to all specifications of Annex A, Statement of Requirement.

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Supplier's Signature

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Date



## 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 awarded to FPS, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have 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 comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

#### 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.





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**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.

The Bidder hereby certifies compliance to the required certifications, as listed above.

\_\_\_\_\_  
Supplier's Signature

\_\_\_\_\_  
Date



## **PART 6 - RESULTING CONTRACT CLAUSES**

### **1. Security Requirement**

There is no security requirement applicable to this Contract.

### **2. Requirement**

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

### **3. Standard Clauses and Conditions**

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

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

#### **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.

### **4. Term of Contract**

#### **4.1 Delivery Date**

All the deliverables must be received on or before February 6<sup>th</sup>, 2015.



**5. Authorities**

**5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Carmelia Da Silva  
Title: Procurement Officer  
Organization: RCMP  
Address: 73 Leikin Drive

Telephone: 613-843-3896  
Facsimile: 613-825-0082  
E-mail address: carmelia.dasilva@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 Project Authority**

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

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

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.



### 5.3 Contractor's Representative

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

Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone : \_\_\_\_\_

Facsimile: \_\_\_\_\_

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

### 6. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

### 7. Payment

#### 7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex B for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

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

#### 7.2 Limitation of Price

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.

#### 7.3 Single Payment

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.



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## 8. 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:
  - . The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

## 9. Certifications

### 9.1 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.

## 10. Applicable Laws

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

## 11. 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;
- (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 \_\_\_\_\_



## 12. Shipping Instructions – Delivery at Destination

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

Delivered Duty Paid (DDP) Yellowknife, North West Territories, Incoterms 2000 for shipments from a commercial contractor.

## 13. Procurement Ombudsman

### 13.1 Dispute Resolution Services

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.

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

### 13.2 Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

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

## 14. SACC Manual Clauses

G1005C Insurance, 2008-05-12  
B7500C Excess Goods, 2006-06-16



**ANNEX A**

**REQUIREMENT**

**RF Signal and Spectrum Analyzer – 7 Ghz**

**1. Objective:**

- 1.1 The RCMP has a requirement for one (1) high-speed Bench Top Signal and Spectrum Analyzer for the RCMP telecom technical support department.

**REQUESTED MODELS**

Keysight N9000A CXA Signal Analyzer OR

**EQUIVALENT PRODUCT**

MANUFACTURER NAME \_\_\_\_\_

MODEL NUMBER \_\_\_\_\_

**At a minimum, the unit MUST have the following:**

**2.1 Technical Requirement:**

- 2.1 RF Signal and Spectrum Analyzer must be a Bench Top model for the telecom service shop.
- 2.2 RF Signal and Spectrum Analyzer must have a frequency range of 9 KHz to 7 GHZ .
- 2.3 RF Signal and Spectrum Analyzer must have a high stability reference oscillator with an aging rate of  $1 \times 10^{-6}$  / year or greater.
- 2.4 RF Signal and Spectrum Analyzer must have include the RF preamplifier. RF Signal and Spectrum Analyzer must have a Displayed Average Noise Level of -160 dBm/1hz at 1 GHZ or better with pre-amp on.
- 2.5 RF Signal and Spectrum Analyzer must have a SSB phase noises of -100 dBm at 10 KHz offset of a 1 GHz carrier or lower phase noise.
- 2.6 RF Signal and Spectrum Analyzer must have an amplitude range of DANL to +30 dBm or greater.
- 2.7 RF Signal and Spectrum Analyzer must have an amplitude accuracy 0.5 dB.
- 2.8 RF Signal and Spectrum Analyzer must have a Resolution Band Width (RBW) range of 1 Hz to 5 MHz.
- 2.9 RF Signal and Spectrum Analyzer must have a Video bandwidth range of 1Hz to 5 MHz.
- 2.10 RF Signal and Spectrum Analyzer must have a frequency sweep range of 0 Hz, 9 KHz to 7 GHz.
- 2.11 RF Signal and Spectrum Analyzer must have a trace point range of 1 to 40000 or greater.
- 2.12 RF Signal and Spectrum Analyzer must have a sweep time range of 1 microsecond to 4000 seconds at span set to 0 Hz.
- 2.13 RF Signal and Spectrum Analyzer must have a Time gating length range 100 ns to 5.0 sec



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- 2.14 RF Signal and Spectrum Analyzer must have a standard analysis band width of 10 MHz.
  - 2.15 RF Signal and Spectrum Analyzer must have a FFT sampling rate of 30 M sample per second or greater.
  - 2.16 RF Signal and Spectrum Analyzer must include a solid state hard drive to store the measurements and user setting.
  - 2.17 RF Signal and Spectrum Analyzer must have a tracking generator with a frequency range of 9 KHz to 3 GHz.

### **3.1 Connectors and screen :**

- 3.1 RF Signal and Spectrum Analyzer must have a display screen size of 8 inches or greater.
- 3.2 RF Signal and Spectrum Analyzer must have a RF N type female connector with an impedance of 50 ohm.
- 3.3 RF Signal and Spectrum Analyzer must have a Noise Source +28 V BNC female connector.
- 3.4 RF Signal and Spectrum Analyzer must have a monitor output VGA compatible connector.
- 3.5 RF Signal and Spectrum Analyzer must have a GPIB interface IEEE-488 bus connector.
- 3.6 RF Signal and Spectrum Analyzer must have USB ports.
- 3.7 RF Signal and Spectrum Analyzer must have an IF output connector.





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**ANNEX B**

**BASIS OF PAYMENT**

The Contractor must supply and deliver the items detailed herein to the Royal Canadian Mounted Police at the destination specified on page 1 of the Contract.

<b>Item No.</b>	<b>Description of Requirement</b>	<b>Unit Price</b>	<b>Unit of Issue</b>	<b>Quantity</b>	<b>Total Price</b>
1	RF Signal and Spectrum Analyzer – 7 Ghz, detailed in Annex A		Each	1	
<b>Total All Inclusive Firm Price</b>					



**ANNEX C**

**MANDATORY CRITERIA**

Bidders must provide cross-reference information to demonstrate how they meet each mandatory specification detailed in Annex A. Canada reserves the right to verify any and all information.

Item	Technical Requirement	Met	Not Met
2.1	RF Signal and Spectrum Analyzer must be a Bench Top model for the telecom service shop.		
2.2	RF Signal and Spectrum Analyzer must have a frequency range of 9 KHz to 7 GHZ .		
2.3	RF Signal and Spectrum Analyzer must have a high stability reference oscillator with an aging rate of 1*(10exp-6) / year or greater.		
2.4	RF Signal and Spectrum Analyzer must have include the RF preamplifier.		
2.5	RF Signal and Spectrum Analyzer must have a Displayed Average Noise Level of -160 dBm/1hz at 1 GHZ or better with pre-amp on.		
2.6	RF Signal and Spectrum Analyzer must have a SSB phase noises of -100 dBm at 10 KHz offset of a 1 GHZ carrier or lower phase noise.		
2.7	RF Signal and Spectrum Analyzer must have an amplitude range of DANL to +30 dBm or greater.		
2.8	RF Signal and Spectrum Analyzer must have an amplitude accuracy 0.5 dB.		
2.9	RF Signal and Spectrum Analyzer must have a Resolution Band Width (RBW) range of 1 Hz to 5 MHz.		
2.10	RF Signal and Spectrum Analyzer must have a Video bandwidth range of 1Hz to 5 MHz.		
2.11	RF Signal and Spectrum Analyzer must have a frequency sweep range of 0 Hz, 9 Khz to 7 GHZ.		
2.12	RF Signal and Spectrum Analyzer must have a trace point range of 1 to 40000 or greater.		
2.13	RF Signal and Spectrum Analyzer must have a sweep time range of 1 microsecond to 4000 seconds at span set to 0 Hz.		
2.14	RF Signal and Spectrum Analyzer must have a Time gating length range 100 ns to 5.0 sec		
2.15	RF Signal and Spectrum Analyzer must have a standard analysis band width of 10 MHz.		
2.16	RF Signal and Spectrum Analyzer must have a FFT sampling rate of 30 M sample per second or greater.		
2.17	RF Signal and Spectrum Analyzer must include a solid state hard drive to store the measurements and user setting.		
2.18	RF Signal and Spectrum Analyzer must have a tracking generator with a frequency range of 9 KHz to 3 GHZ.		



<b>Item</b>	<b>Connectors and Screen</b>	<b>Met</b>	<b>Not Met</b>
3.1	RF Signal and Spectrum Analyzer must have a display screen size of 8 inches or greater.		
3.2	RF Signal and Spectrum Analyzer must have a RF N type female connector with an impedance of 50 ohm.		
3.3	RF Signal and Spectrum Analyzer must have a Noise Source +28 V BNC female connector.		
3.4	RF Signal and Spectrum Analyzer must have a monitor output VGA compatible connector.		
3.5	RF Signal and Spectrum Analyzer must have a GPIB interface IEEE-488 bus connector.		
3.6	RF Signal and Spectrum Analyzer must have USB ports.		
3.7	RF Signal and Spectrum Analyzer must have an IF output connector.		