

**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 a Standing Offer
Demande d'offre à commandes**

National Master Standing Offer (NMSO)

Offre à commandes principale et nationale (OCPN)

Canada, as represented by the Minister of Public Works and
Government Services Canada, hereby requests a Standing Offer
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et
Services Gouvernementaux Canada, autorise par la présente,
une offre à commandes au nom des utilisateurs identifiés
énumérés ci-après.

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Defence Communications Division. (QD)
11 Laurier St./11, rue Laurier
Place du Portage, Phase III, 8C2
Gatineau, Québec K1A 0S5

Title - Sujet 4.9 GHZ 5.9 GHZ RADIO POINT TO POIN	
Solicitation No. - N° de l'invitation M7594-131471/B	Date 2013-06-12
Client Reference No. - N° de référence du client M7594-131471	GETS Ref. No. - N° de réf. de SEAG PW-\$\$QD-008-23820
File No. - N° de dossier 008qd.M7594-131471	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-06-28	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Van Dusen, Eric	Buyer Id - Id de l'acheteur 008qd
Telephone No. - N° de téléphone (819)956-5816 ()	FAX No. - N° de FAX (819)956-0636
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

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

This bid solicitation cancels and supersedes previous bid solicitation number M7594-131471/A dated 2012-11-21 with a closing of 2012-12-18 at 1400h. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

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PART 1 - GENERAL INFORMATION

1. Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3 Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 6A, Standing Offer, and 6B, Resulting Contract Clauses:

6A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

6B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Statement of Requirement, Basis of Payment and any other annexes.

- Annex A Statement of Requirement
- Annex B RCMP Consignees
- Annex C Basis of Payment
- Annex D Sample call-up form
- Annex E Reporting for Standing Offer
- Annex F Financial Evaluation

2. Summary

The Offeror agrees to provide Microwave Backhuls 4.9GHz 5.8GHz (radios) point to point meeting the mandatory requirements in Annex "A" on an as and when requested basis.

The period of the standing offer is from the date of the issuance of Standing Offer to March 31, 2016 with two (2) one-year options to extend.

Canada does not guarantee any quantities that may be procured through this standing offer.

The estimated value of the resulting standing offer is estimated up to \$8M CAD including taxes over a 5 year period.

Although the requirement of the Royal Canadian Mounted Police (RCMP) is identified herein, the Standing Offer will be available to any government department, agency or Crown corporation listed in Schedules I, I.1, II, III, of the *Financial Administration Act*, R.S., 1985, c. F-11, for delivery throughout Canada.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

The following Comprehensive Land Claims Agreements (CLCAs) may apply to this procurement, depending on whether call-ups are issued with deliveries to the below-mentioned towns:

- for deliveries to Yellowknife, NT: the Tlicho Land Claims Agreement
- for deliveries to Iqaluit, NU: the Nunavut Land Claims Agreement
- for deliveries to Whitehorse, YT: the Ta'an Kwach'an Council Final Agreement, and the Kwanlin Dun First Nation Final Agreement.

3. Debriefings

Offerors may request a debriefing on the results of the request for standing offers. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of notification that their offer was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

PART 2 - OFFEROR INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) 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.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The 2006 (2013-03-21) Standard Instructions - Request for Standing Offers - Goods or Services Competitive Requirements, are incorporated by reference into and form part of the RFSO.

1.1 SACC Manual Clauses

B3000T (2006-06-16) Equivalent Products
M1004T (2011-05-16) Condition of Materiel

2. Submission of Offers

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Offer Receiving Unit by the date, time and place **indicated on Page 1** of the Request for Standing Offers.

3. Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than seven (7) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors 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 offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

4. Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province

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or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the offerors.

PART 3 - OFFER PREPARATION INSTRUCTIONS

1. OFFER PREPARATION INSTRUCTIONS

Canada requests that offerors provide their offers in separately bound sections as follows:

Section I: Technical Offer (3 hard copies and 1 soft copy on CD)

Section II: Financial Offer (1 hard and 1 soft copy)

Section III: Certifications (1 hard copy)

- a. 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.
- b. Prices must appear in the financial Offer only. No prices must be indicated in any other section of the offer.
- c. Canada requests that the offerors follow the format instructions described below in the preparation of their offer:
 - i. use 8.5 x 11 inch (216 mm x 279 mm) paper; and
 - ii. use a numbering system that corresponds to the Request for Standing Offer (RFSO).
 - iii. The information requested under Part 6 "Resulting Contract Clauses" should be completed in the spaces provided, with a copy of those pages provided in the RFSO.

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, offerors 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 Offer

1. The technical offer must fully demonstrate compliance with Annex A, Statement of Requirement. The offeror must explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

2. The definition of mandatory requirements is as follows:

MANDATORY REQUIREMENTS. A mandatory requirement is identified specifically with the word "shall", "must", "will", "mandatory" or the phrase "Canada requires".

3. The technical offer must include the following:

(a) A description of the proposed equipment, complete with necessary information (e.g. technical brochures, part numbers, drawings, specifications, test reports) to demonstrate compliance with the requirements. References to Web sites are not acceptable.

(b) A completed **Compliance Matrix** that explicitly addresses all the requirements of Annex A, on a paragraph by paragraph basis, using the same numbering system. The response to each paragraph will be the following:

1. A compliance statement ("Compliant" or "Non-compliant"). A "Compliant" statement will be interpreted as meaning full agreement with the requirement, whereas a Non-compliant statement will be interpreted as meaning not in full agreement with the requirement and the offer will be deemed non-responsive and not given any further consideration. For mandatory requirements, statements such as "Read", "Comply with Intent", "Partial Compliance", "Noted" or the like will be considered as non-responsive.
2. Additional information demonstrating how the Offeror will meet the requirements, without cross reference to other statements in the Compliance Matrix.
3. Paragraphs, elements and subparagraphs that convey information rather than a requirement must be marked with "Noted and Understood".

Section II: Financial Offer

Offerors must submit their financial offer in accordance with the Basis of Payment in Annex C. The total amount of Goods and Services Tax or Harmonized Sales Tax is to be shown separately, if applicable.

The financial offer and certifications document should include the following:

(a) Firm unit prices for one or many groups of items listed in Annex A must be submitted.

Incoterms 2000:	Delivered Duty Paid (DDP).
Transportation/Shipping charges:	Included.
Canadian Customs/Duties:	Included.
GST/HST:	Extra.

(b) Proposed deliveries for the items listed in Annex A should be submitted, in calendar days after receipt of order (ARO).

(c) The information under Part 6B "Resulting Contract Clauses" should be completed in the spaces provided, with a copy of those pages provided in the bid.

1.1 Firm Price (SACC Manual Clause M0019T (2007-05-25))

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The Offeror is required to submit firm prices that will apply for the entire period of the Standing Offer.

1.2 SACC Manual Clauses

C3011T (2010-01-11) Exchange Rate Fluctuation

Section III: Certifications

Offerors must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.

An evaluation team composed of representatives of Canada will evaluate the offers.

After the offer closing date, no amendment to the offer shall be accepted. However, during the evaluation, Public Works and Government Services Canada may, at its discretion, request clarification in writing.

1.1 Technical Evaluation

All offers must be completed in full and provide all of the information requested in the Request for Standing Offer to enable full and complete evaluation.

Offerors must demonstrate that they meet the mandatory requirements as detailed in this Request for Standing Offer and the mandatory technical criteria as detailed in Annex "A".

Offers will be evaluated for their compliance with all mandatory technical criteria.

1.2 Financial Evaluation

(a) The calculation of the total bid prices for the purposes of evaluation is shown in Annex F, Financial Evaluation.

(b) The prices of the offer will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) Incoterms 2000, and the Goods and Services Tax or the Harmonized Sales Tax excluded.

(c) Pricing submitted in foreign currency will be converted to Canadian dollars based on the exchange rate provided by the Bank of Canada on the date of closing. Unless otherwise stated by the offeror, it will be assumed that the offer is submitted in Canadian currency.

2. Basis of Selection

An offer must comply with the requirements of the Request for Standing Offers and meet all mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

PART 5 - CERTIFICATIONS

Offerors must provide the required certifications to be issued a standing offer. Canada will declare an offer non-responsive if the required certifications are not completed and submitted as requested.

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

1. Mandatory Certifications Required Precedent to Issuance of a Standing Offer

1.1 Code of Conduct and Certifications - Related documentation

By submitting an offer, the Offeror certifies that the Offeror and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Offer of Standard Instructions 2006. The related documentation therein required will assist Canada in confirming that the certifications are true.

2. Additional Certifications Precedent to Issuance of a Standing Offer

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

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

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including Applicable Taxes), make a formal commitment to implement employment equity. This is a condition precedent to the issuance of a standing offer. If the Offeror, or, if the Offeror is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the issuance of a standing offer.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any offers from ineligible contractors, including an offer from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2.If the Offeror does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Offeror must

fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.

3.The Offeror, or, if the Offeror is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Offeror or the member of the joint venture

a.() is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;

b.() is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;

c.() is subject to the requirements of the FCP, having a workforce of 100 or more full- time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;

d.() is subject to FCP, and has a valid certificate number as follows: _____

Further information on the FCP is available on the HRSDC Web site.

PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

1. OFFEROR

The Offeror offers to fulfill the requirement in accordance with the requirements in Annex A.

2. STANDARD CLAUSES AND CONDITIONS

All clauses and conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the *Standard Acquisition Clauses and Conditions* Manual (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada (PWGSC).

2.1 General Conditions

2005 (2012-11-19) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

2.2 Standing Offers Reporting

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements detailed in Annex "E". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "NIL" report.

The data must be submitted on a quarterly basis to the Public Works and Government Services Canada Standing Offer Authority.

Quarterly periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;
- 3rd quarter: October 1 to December 31;
- 4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than ten (10) calendar days after the end of the reporting Period.

3. TERM OF STANDING OFFER

3.1 Period of Standing Offer

The period for making call-ups against the Standing Offer is defined as the following:

- Year 1 (Y1): from the date of Standing Offer issuance to 30 April 2014, and
- Year 2 (Y2): one-year period, from 1 May 2014 to 30 April 2015, and
- Year 3 (Y3): one-year period, from 1 May 2015 to 30 April 2016.

3.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for two (2) additional 1-year periods, from 1 May 2016 to 30 April 2017 (OY1) and from 1 May 2017 to 30 April 2018 (OY2), under the same conditions and at the rates or prices specified in the Standing Offer.

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The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority 30 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

4. AUTHORITIES

4.1 Standing Offer Authority

The Standing Offer Authority is:

Eric Van Dusen
Public Works and Government Services Canada
Acquisitions Branch
Defence and Major Projects Sector
Defence Communications Division (QD)
11 Laurier Street
Place du Portage, Phase III, 8C2
Gatineau, Quebec, Canada K1A 0S5

Telephone: (819) 956-5816 Facsimile: (819) 956-0636

E-mail: eric.vandusen@tpsgc-pwgsc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

4.2 Technical Authority

The Technical Authority (TA) for the Standing Offer is identified in the call-up against the Standing Offer. The TA for RCMP will be identified when the Standing Offer is issued.

The Technical Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up under the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

4.3 Offeror's Representative

Name and telephone number of the person responsible for:

General Enquiries

Delivery Follow-up

Name: _____

Name: _____

Telephone: _____

Telephone: _____

Facsimile: _____

Facsimile: _____

E-mail: _____

E-mail: _____

5. IDENTIFIED USERS

The Identified Users authorized to make call-ups against the Standing Offer is the Royal Canadian Mounted Police (RCMP), but also include any government department, agency or Crown corporation listed in Schedules I, I.1, II, III, of the *Financial Administration Act*, R.S., 1985, c. F-11.

6. CALL-UP INSTRUMENT

The Work will be authorized or confirmed by the Identified User using form PWGSC-TPSGC 942, Call-up Against a Standing Offer, attached as Annex D herein.

7. LIMITATION OF CALL-UPS

Individual call-ups against the Standing Offer must not exceed \$40,000.00 (Goods and Services Tax or Harmonized Sales Tax included). Call-ups above \$40,000.00 (Goods and Services Tax or Harmonized Sales Tax included) will be authorized by PWGSC in accordance with the departmental delegation of authority.

8. 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 call-up against the Standing Offer, including any annexes;
- (b) the articles of the Standing Offer, including Annex C, Basis of Payment;
- (c) General Conditions 2005 (2012-11-19) - Standing Offers - Goods or Services;
- (d) General Conditions 2010A (2013-04-25) - General Conditions - Goods (Medium Complexity);
- (e) Annex A, Statement of Requirement;
- (f) Annex B, RCMP RCMP Consignees;
- (g) Annex D, Sample call-up form;
- (h) Annex E, Reporting for Standing Offer;
- (i) the Offeror's offer dated _____.

9. CERTIFICATIONS**9.1 Compliance**

Compliance with the Certifications provided by the Offeror is a condition of authorization of the Standing Offer and subject to verification by Canada during the term of the Standing Offer and of any resulting contract that would continue beyond the period of the Standing Offer. In the event that the Offeror does not comply with any certification or it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

10. APPLICABLE LAWS

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

B. RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

1. REQUIREMENT

The Contractor must provide the items detailed in the call-up against the Standing Offer.

2. STANDARD CLAUSES AND CONDITIONS

2.1 General Conditions

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

3. TERM OF CONTRACT

3.1 Delivery Date

Delivery must be completed in accordance with the call-up against the Standing Offer.

4. PAYMENT

4.1 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 in Canadian funds, Incoterms 2000: DDP Delivered Duty Paid (Destination). Customs duties are excluded and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

4.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price.

4.3 Method of Payment

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

5. INVOICING INSTRUCTIONS

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Claims cannot be submitted until all work identified in the claim is completed.

2. Invoices must be distributed as follows:

(a) the original and one (1) copy must be forwarded to the address identified in the Contract for certification and payment.

(b) one (1) copy must be forwarded to the Standing Offer Authority identified under the section entitled "Authorities" of the Standing Offer.

6. INSURANCE

SACC Manual Clause G1005C (2008-05-12) Insurance

7. SACC MANUAL CLAUSES

B7500C (2006-06-16) Excess Goods

D2000C (2007-11-30) Marking

D2001C (2007-11-30) Labelling

D2025C (2008-12-12) Wood Packaging Materials

D9002C (2007-11-30) Incomplete Assemblies

8. QUALITY ASSURANCE REQUIREMENTS

The contractor must provide objective evidence that the system and any major component therein have been designed, manufactured, inspected and tested under the umbrella of a quality assurance program capable of meeting the requirements of the applicable ISO Standard 9002 Series.

8.1 In-plant Inspections

The equipment must meet all functional, electrical, and visual/mechanical test parameters and must have been fully tested and inspected by the contractor. Results must be documented and reported to the Technical Authority upon request.

9. RCMP CONSIGNEES

The destination(s) can be anywhere in Canada and will be identified in the call-ups.

For RCMP call-ups, the RCMP has identified the list of RCMP Consignees in Annex B, RCMP RCMP Consignees.

10. PREPARATION FOR DELIVERY

10.1 Packaging

All equipment shall be packaged to ensure that the equipment will not be damaged during shipment and/or delivery to the consignee, as well as any associated handling on site.

Fragile components must be clearly identified and labelled.

10.2 Addressing

Address labelling shall be clearly marked in a minimum of two (2) locations on each package. The following format shall be observed:

- (a) Complete name of the consignee.
- (b) Complete shipping address.
- (c) Clear description of contents.
- (d) Complete name of the consignee representative.

11. SHIPPING INSTRUCTIONS - DELIVERY AT DESTINATION

Goods must be consigned to the destination specified in the call-up and delivered: Delivered Duty Paid (DDP) Incoterms 2000 for shipments from a commercial contractor.

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 acceptance by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

Annex A

Statement of Requirement



**Point to Point (PTP)
Microwave Backhaul
S.O.R.**

Mobile Communications Services

Date January 29 2013

Version 3.1

1 Global Requirements – Introduction

- 1.1 This requirement is for Point to Point (PTP) microwave and RF radios in the 4.9 GHz, 5.8 GHz Bands**
- 1.2 The radio is of current manufacture**
- 1.3 The PTP radio meets all configurations listed. Eg: integrated radios and connectorized radios (with access to antenna connectors) are specified in this SOR.**
- 1.4 The radio is supported with parts and or spares for a period of five (5) years**
- 1.5 The radio uses Internet Protocol (IP) Ethernet connectivity**
- 1.6 The radio meets encryption and security requirements specified herein**
- 1.7 The radio meets all environmental and performance requirements specified herein**
- 1.8 The radio provides remote monitoring and software system management capabilities specified herein**
- 1.9 The radio must be supplied in pairs in order to form a link (each radio has both transmitters and receivers)**

2 Global Requirements for Standards compliance

- 2.1 The PTP radio must adhere to the current applicable Industry Canada Spectrum Management and Telecommunications Radio Standards (http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf06129.html) as listed below:**
- 2.2 RSS-111 Issue 3 Broadband public safety equipment operating in the band 4940-4990 MHz**
- 2.3 RSS-210 Issue 8 License-exempt Radio Apparatus (all frequency bands): Category 1 equipment**
- 2.4 The PTP radio must be compliant to IEEE 802.3i-1990 for 10BASE-T**
- 2.5 The radio must be compliant to IEEE 802.3u-1995 for 100BASE-T**

3 Global Requirements for Networking, Interfaces

- 3.1 The radio must comply with IEEE 802.3 Ethernet protocol transport standards**
- 3.2 The radio must include functionality for configuration as a OSI Layer 2 Bridge**
- 3.3 The radio must be manageable via an IP address**

4 Global Requirements for Management & Security requirements

4.1 Requirements for Encryption

- 4.1.1 The PTP radio must offer the functionality to be upgraded to the (AES 256 bits) Federal Information Processing Standards (FIPS) publication 197, November 26, 2001**
- 4.1.2 The AES option must be able to be installed via a software or firmware upgrade by local technicians**

4.2 The PTP radio must include the functionality for role-based access control

- 4.2.1 The PTP radio must support the following authentication method for configuration management:**
 - 4.2.1.1 Must be compliant to the Remote Authentication Dial In User Service (RADIUS) protocol for centralized Authentication, Authorization and Accounting (AAA)**
 - 4.2.1.2 RADIUS must support fallback mode**
 - 4.2.1.3 Must provide the functionality to define rights and profiles in order to assign a minimum of three (3) separate roles**
 - 4.2.1.4 Must support individual user names and passwords in fallback mode**
- 4.2.2 The PTP radio must include the functionality to modify and disable a user account**
- 4.2.3 The management system must provide automatic updates:**
 - 4.2.3.1 To the system topology map when a device is added to the wireless network**
 - 4.2.3.2 Must provide the capability to upload firmware revisions**
- 4.2.4 The system management must include the functionality to perform software downloads to upgrade previously deployed PTP radio**
- 4.2.5 The system management must include the functionality for a single point interface for full Fault, Configuration, Accounting, Performance and Security (FCAPS) functionality for all radio elements**

4.2.6 The PTP radio must include the functionality to provide a secure management interface via Hypertext Transfer Protocol Secure HTTPS (TLS 1.0+) and be RADIUS compliant

4.2.7 The PTP radio must provide remote monitoring that is compatible with the Simple Network Management Protocol (SNMP) V2 and V3 (or be upgradeable to V3 within 1 year of contract award)

4.2.7.1 Vendor must supply MIB (Management Information Base) files

4.2.7.2 Must support SNMP trap

4.3 The PTP radio must provide the functionality to export the PTP GPS data to interface to a Geographical mapping tool in order to provide a visual tool of PTP radio locations

5 Global Requirements for Diagnostic requirements

5.1 The PTP radio must provide the functionality for a diagnostic tool as listed below:

5.1.1 The following information should be available through SNMP:

5.1.1.1 Transmit power

5.1.1.2 Receive signal strength

5.1.1.3 TX & RX channel numbers

5.1.1.4 Range

5.1.1.5 Modulation mode

5.1.1.6 Link loss

5.1.2 The diagnostic tool must provide the functionality to do RF and Microwave spectral analysis

5.1.3 The diagnostic tool must provide the functionality to record the noise level and statistical information of a given radio link

5.1.4 The diagnostic tool must provide the functionality to record signal strengths variations of all locations and statistical information of a given radio link

5.1.5 The diagnostic tool must provide the functionality to quantify the network data bandwidth of a given radio link

5.1.6 The diagnostic tool must provide the functionality to remotely download and save the captured statistical RF and throughput data for technical evaluation

5.1.7 The diagnostics tool must provide functionality for alarms and event logging

6 Global Requirements for Quality of Service (QoS)

6.1 The PTP radio must provide the functionality to support 802.1Q

6.1.1 The PTP radio must provide the functionality for support of IEEE 802.1p

6.1.2 The PTP radio must include the functionality for discernible QoS with a minimum of four (4) separate levels to map over multiple prioritization queues

7 Global Requirements for Reliability, Environmental

7.1 The PTP radio must meet a minimum of 87600 Hours (10 years) Mean Time Between Failure (MTBF) while deployed in operational and environmental conditions as specified herein

7.2 The PTP Out-Door-Unit (ODU) must operate in the following environmental requirements:

7.2.1 Temperature (operating): - 40° Celsius to +60° Celsius

7.2.2 Humidity (operating): 95% condensing

7.2.3 Compliant to Ingress Protection 66 (IP66)

7.3 Each PTP radio must be available to be supplied with two (2) lightning protection modules (LPM)

7.3.1 One (1) external LPM is required to protect the PTP radio installed on the tower

7.3.2 One (1) external LPM is required to protect shelter and cabling equipment inside the shelter

7.4 The PTP radio must meet Canadian Standards Association (CSA) C22.2 and UL60950-1 for protection and safety

7.5 The PTP radio must be housed in a Ingress Protection 66 (IP66) weather proof enclosure

8 Global Requirement for Software

8.1 The PTP radio must include software that will be installed on Personal computers that will be used for the provisioning, support and management of the PTP radio and must be compatible with the Windows 7 Operating System

8.1.1 Software must include maintenance and support services for a period of five (5) years

8.2 Firmware upgrades for the PTP radio must be provided, at no additional cost, for a period of five (5) years

9 Global Requirement for Cabling and related accessories

9.1 The PTP radio must be provided with an indoor power supply

9.1.1 The power supply must provide the functionality for one (1) standard Ethernet port, and one Power over Ethernet (PoE) port

9.1.2 The power supply must provide the functionality for identical Ethernet data rates on the Power over Ethernet (PoE) port and PTP radio Ethernet connection points

9.2 The PTP radio must offer the following CAT5E cables as optional items:

9.2.1 25 foot cable

9.2.2 50 foot cable

9.2.3 100 foot cable

9.2.4 200 foot cable

9.2.5 300 foot cable

9.3 CAT5E cable must meet all the following requirements:

- 9.3.1 Meet environment requirements detailed in of section 8 of the Statement of Work (SOW)
- 9.3.2 100+/-15 ohms characteristic impedance
- 9.3.3 Must be compliant to: CSA C22.2 No. 214-08, UL444, UL1581, UL1666, ANSI/TIA/EIA-568-C.2 standards.
- 9.3.4 CAT5E cable must be provide with a PVC black jacket that is flame retardant, weather proof for Ingress Protection 66 (IP66), sunlight and abrasion resistant
- 9.3.5 The PTP radio supplied with CAT5E cables must be provided with RJ 45 Cable Gland(s) at each connection point in order to weather proof Ingress Protection 66 (IP66) the installation

10 Technical Specifications for PTP radio - Dual band (4.9 & 5.8 GHz)

10.1 The PTP radio must operate in the 4.9 GHz (Public Safety licensed) and 5.8 GHz (un-licensed) bands on the same model

10.2 The PTP radio must have two hardware configurations:

10.2.1 Configuration one (1): the PTP radio must have an RF N type connector(s)

10.2.2 Configuration two (2): the PTP radio must have an integrated panel antenna with at least a gain of 18 dbi

10.3 The bidder must include dual polarized, 4.9-5.8 GHz range, 2 foot external dish with a gain of at least 28 db

10.4 The bidder must include a dual polarized, 4.9-5.8 GHz, 4 foot external dish with a gain of at least 32 db

10.5 The bidder must include a dual polarized, 4.9-5.8 GHz range, external flat panel antenna with a gain of at least 21dbi

10.6 The PTP radio must include the 4.9 GHz and 5.8 GHz bands of operation in one (1) integrated physical radio that provides the functionality to be programmed through software and operate in the different bands.

10.6.1 All software licenses or software keys must be supplied to enable the full functionality of the dual band PTP radio

10.6.2 The PTP radio operating at 4.9 GHz or 5.8 GHz must provide the functionality to operate with one antenna that can function at both stated frequency bands

10.6.3 The PTP radio must be supplied with heavy duty mounting hardware suitable for tower mounting

10.6.4 The mounting hardware must be designed in such a way to sustain the PTP radio on a tower at wind speeds up to 190 km/hour

10.7 The PTP radio must be provided with a grounding kit

10.7.1 Grounding kits must include all necessary supplies to ground the radio, CAT5E cable and the power supply

10.8 High priority traffic must meet a round trip latency of less than 10 ms

10.8.1 Round trip latency is defined as the total time to ping a PTP radio with 32 bytes of data

10.9 The PTP radio must include the functionality for Multiple-In & Multiple-Out (MIMO)

10.9.1 All antennas supplied must be dual polarized (Horizontal and Vertical)

10.10 The PTP radio must include the functionality of a variable audible tone to aid in the link alignment process

10.10.1 The audible tone must be able to be enable or disabled

10.11 The PTP radio must include the functionality to work in Orthogonal Frequency-Division Multiplexing (OFDM) mode to permit Non-Line of Sight (NLOS) deployments

10.12 The channel bandwidth (BW) setting of the PTP radio must include the functionality to be programmable for 4.9 and 5.8 GHz frequency bands

10.13 Channel bandwidth programmability must include the following settings:

10.13.1 5 MHz

10.13.2 10 MHz

10.13.3 20 MHz

10.14 The PTP radio must provide the functionality to permit Ethernet Data rates of up to 100 Mbps

10.14.1 The PTP radio must provide the functionality to seamlessly operate and provide connectivity with a T1 interface (1.544 Mbps, full duplex, B8ZS line coding) over a 55 km Line of Sight (LOS) link

10.15 The PTP radio must provide the functionality to operate with a minimum data rate of 5 Mbps over a 55 km Line of Sight (LOS) link

10.16 The PTP radio must include the functionality to meet the maximum transmit power: programmable up to +25 dBm as per RSS-210 Annex 8, Section 8.4, sub-sections 8.4 (3) and 8.4 (5)

10.17 Receive sensitivity: must be equal or better than -95 dBm (5 MHz BW)

10.18 The PTP radio must provide the following functionalities:

10.18.1 Dynamic Time Division Duplex (TDD) implementation per link

10.18.2 Dynamic Adaptive Modulation per link

10.18.3 Dynamic Frequency Selection

10.18.4 To be manually programmed to a fixed Frequency Channel of operation

10.18.5 To be manually programmed to a fixed Modulation Type

10.18.6 To be manually programmed to a fixed Transmit Power Level

10.19 The PTP radio must include the functionality to synchronize communication frames with the Global Positioning System (GPS) timing

10.19.1 The GPS feature must be selectable to be turned on or off

10.20 The PTP radio must provide the functionality for configurable Network connection to 10/100 Mbps Ethernet with an RJ 45 connector

Annex B

RCMP Consignees

ANNEX B

DELIVERY ADDRESSES:

"A" Division

RCMP, Telecoms Workshop
1426 Joseph Blvd.
Room 1352A
Orleans, Ontario
K1A 0R2

"B" Division

RCMP
NCO i/c Telecoms
100 East White Hills Road
P.O. Box 9700 Station B
St. John's, Newfoundland
A1A 3T5

"C" Division

RCMP, Telecoms Workshop
4225 Dorchester Blvd., West
Westmount, Quebec
H3Z 1V5

"D" Division

RCMP
Informatics Technology
1091 Portage Avenue
Winnipeg, Manitoba
R3C 3K2

"E" Division

RCMP, "E" Div. Regional Stores
PRTC Complex Bldg
1101 Calais Crescent
Chilliwack, BC
V2R 5S1

"F" Division

RCMP
DIV HQ WORKSHOP
6101 Dewdney Avenue
Regina, Saskatchewan
S4P 3K7

"G" Division

RCMP, Informatics Workshop
50410 49th Ave
Yellowknife, NT
P.O. Bag 5000
X1A 2R3

"H" Division

RCMP
3139 Oxford Street
Halifax, Nova Scotia
B3J 3E1

"H" Division

RCMP
86 Troop Ave
Unit B
Dartmouth, Nova Scotia
B3V 1Z1

"J" Division

RCMP
Box 3900
1445 Regent Street
Fredericton, N.B.
E3B 4Z8

"K" Division

RCMP, Informatics Workshop
SOUTH BUILDING
11140 - 109th Street
Edmonton, Alberta
T5G 2T4

"L" Division

RCMP, Informatics Workshop
450 University Avenue
Charlottetown, P.E.I.
C1A 7N1

"M" Division

RCMP, Informatics Workshop
4100 - 4th Avenue
Whitehorse, Yukon
Y1A 1H5

"O" Division

RCMP, London I.T.S.
1398 Wellington Road South,
Unit 30
London, Ontario
N6E 3N8

"O" Division

RCMP, Newmarket Radio Workshop
345 Harry Walker Parkway South
Newmarket, Ontario
L3Y 8P6

"S" Division

RCMP, OTSU, TPOF
1426 St. Joseph Blvd.
Room 1900B, CSS Workshop
Orleans, Ontario
K1A 0R2

RCMP, HQ MCS

1200 Vanier Parkway
CPIC Bldg
Ottawa, Ontario
K1A 0R2

"T" Division, Depot

RCMP Informatics Workshop
C.O. Training Academy
P.O. Box 6500
Regina, Saskatchewan
S4P 3J7

"V" Division

RCMP, OIC Informatics Workshop
Igluvut Building, #922 Bag 500
Iqaluit, Nunavut
X0A 0H0

Annex C

Basis of Payment

Pricing Table 1

	Descriptions	Model Number	Year 1 Unit Price	Year 2 Unit Price	Year 3 Unit Price	Option Year 1 Unit Price	Option Year 2 Unit Price
1.1	PTP radio dual band 4.9 & 5.8 GHz integrated antenna with a gain of at least 18 dbi						
1.2	PTP radio dual band 4.9 & 5.8 GHz with connectors						
1.3	AES encryption						
1.4	System management software						
1.5	25 foot cat5 cable						
1.6	50 foot cat5 cable						
1.7	100 foot cat5 cable						
1.8	200 foot cat5 cable						
1.9	300 foot cat5 cable						
1.10	Glands						
1.11	Grounding kit						
1.12	2 foot external dish antenna, dual band 4.9 & 5.8 GHz, dual polarized, 28 dB gain						
1.13	4 foot external dish antenna, dual band 4.9 & 5.8 GHz, dual polarized, 32 db gain						
1.14	Flat panel antenna, dual band 4.9 & 5.8 GHz, dual polarized, 21 dbi gain						

Annex D

Sample call-up form



Call-up Against a Standing Offer Commande subséquente à une offre à commandes

Ship to - Expédier à

To the supplier: Your standing offer referred to below is hereby accepted as follows: You are required to supply the goods and/or services shown below at the prices or pricing basis and in accordance with the other terms and conditions stated in the standing offer. Only goods and services included in the standing offer shall be supplied against this call-up.

Au fournisseur: Votre offre à commandes, dont le numéro figure plus bas, est acceptée selon les modalités suivantes: Vous devez fournir les biens ou services indiqués ci-dessous aux prix ou selon les modalités de prix et en conformité des autres conditions stipulés dans l'offre à commandes. Ne seront fournis en vertu de la présente commande que les biens et services figurant dans l'offre à commandes.

Security: This call-up includes security provisions. No
If yes, an SRCL shall accompany all PWGSC call-ups. Non
Sécurité : Cette commande comprend des exigences en matière de sécurité. Si oui, on doit joindre une LVERS à toutes les commandes du TPSGC. Yes
 Oui

Invoices are to be addressed in accordance with: Adresser les factures selon:

- The detailed instructions in the standing offer
Les instructions détaillées de l'offre à commandes
- The address shown in the "Ship to" block
L'adresse indiquée dans la case "Expédier à"
- Special instructions below
Les instructions particulières ci-dessous

Each shipment shall be accompanied by a packing slip or delivery slip. All invoices, shipping bills and packing slips must show the following reference numbers.

Financial Code(s) - Code financier(s)

Chaque envoi sera accompagné d'un bordereau d'emballage ou d'expédition. Les factures, connaissements et bordereaux d'emballage doivent tous porter les numéros de référence suivants.

Standing Offer No. - N° d'offre à commandes

Requisition no. - N° de commande
Order. Off. - Bur. dem. YY - AA Serial no. - N° de série

Client Reference No. (optional)
N° de référence du client (facultatif)

Goods and Services Tax (GST)/Harmonized Sales Tax (HST): Unless otherwise indicated, unit/extended prices include GST/HST.

Provincial Sales Tax - Taxe de vente provinciale

Taxe sur les produits et services (TPS)/Taxe de vente harmonisée (TVH): Sauf indication contraire, la TPS/TVH est incluse dans le prix unitaire et le prix total.

Exigible Non-exigible Lic. no.(s) auth. - Autori. N°(s) de licence

Amendment No. - N° de modification

Previous Value - Valeur précédente

Value of inc. or dec. - Augm. ou diminution

Tot. est. exp. or rev. tot. est. exp.
Mont. tot. prév. ou mont. tot. prév. révisé

Item No. N° de l'art.	NATO Stock number / Item Description N° de nomenclature de l'OTAN / Description de l'article	U. of I. U. de d.	Qty Qté	Unit Price Prix unitaire (\$)	GST or HST TPS ou TVH (%)	GST or HST TPS ou TVH (\$)	Extended Price Prix calculé (\$)

Special Instructions - Instructions particulières

Total Price (before taxes)
Prix total (avant taxes)

GST/HST Amount
Montant TPS/TVH

Total Extended Price
Prix calculé total

For further information call - Pour renseignements supplémentaires

Delivery required by - Livraison requise le

Name - Nom

Telephone No. - N° de téléphone

Pursuant to subsection 32(1) of the *Financial Administration Act*, funds are available.
En vertu du paragraphe 32(1) de la *Loi sur la gestion des finances publiques*, des fonds sont disponibles.

Approved for the Minister - Approuvé pour le Ministre

Signature (Mandatory - Obligatoire)

Date

Signature (Mandatory - Obligatoire)

Date

Annex E

Reporting for Standing Offer

Such reports must contain, but are not limited to, the following information:

- 1) the standing offer/supply arrangement number;
- 2) the supplier name;
- 3) the reporting period;
- 4) the call-up/contract number for each call-up/contract, including amendments;
- 5) the client department;
- 6) the contracting authority;
- 7) the date of the call-up/contract;
- 8) the call-up/contract period;
- 9) the line items acquired; and
- 10) the value of the call-up/contract, Goods or Services Tax/Harmonized Sales Tax included, as applicable.

Annex F

Financial Evaluation

Financial Evaluation

	Descriptions	Model Number	Year 1 Unit Price	Year 2 Unit Price	Year 3 Unit Price	Option Year 1 Unit Price	Option Year 2 Unit Price
1.1	PTP radio dual band 4.9 & 5.8 GHz integrated antenna with a gain of at least 18 dbi						
1.2	PTP radio dual band 4.9 & 5.8 GHz with connectors						
1.3	AES encryption						
1.4	System management software						
1.5	25 foot cat5 cable						
1.6	50 foot cat5 cable						
1.7	100 foot cat5 cable						
1.8	200 foot cat5 cable						
1.9	300 foot cat5 cable						
1.10	Glands						
1.11	Grounding kit						
1.12	2 foot external dish antenna, dual band 4.9 & 5.8 GHz, dual polarized, 28 dB gain						
1.13	4 foot external dish antenna, dual band 4.9 & 5.8 GHz, dual polarized, 32 db gain						
1.14	Flat panel antenna, dual band 4.9 & 5.8 GHz, dual polarized, 21 dbi gain						
						Total Bid Price for	

