



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

Bid Receiving/Réception des soumissions

BID RECEIVING – FRONT DESK
14200 Green Timbers Way
Mailstop #1004
Surrey BC
V3T 6P3

**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).

Title – Sujet Mobile, Fixed, and Manpack 3G ALE Radios		Date 2018-02-27
Solicitation No. – N° de l’invitation M2989-6-0361/A		
Client Reference No. - No. De Référence du Client M2989-7-4221		
Solicitation Closes – L’invitation prend fin		
At / à :	14:00	PST (Pacific Daylight Saving Time) HAP (heure avancée du Pacifique)
On / le :	2018-04-09	
Delivery - Livraison See herein — Voir aux présentes	Taxes - Taxes See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à Summer.Wong@rcmp-grc.gc.ca		
Telephone No. – No. de téléphone 778-290-2892	Facsimile No. – No. de télécopieur 778-290-6109	

Delivery Required – Livraison exigée See herein — Voir aux présentes	Delivery Offered – Livraison proposée
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
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



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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the requirement.

1.2 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

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

1.4 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.

1.5 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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 (2017-04-07) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 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 or email to RCMP will not be accepted.

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

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

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.

2.5 Promotion of Direct Deposit Initiative

The following information is not related to the solicitation process:

An initiative within the Government of Canada called the Cheque Standardization Project has been established whereby eventually for all payments, cheque stubs will no longer be printed and, with few exceptions, will be processed via direct deposit. This option is only available when payment is made in Canadian dollars for deposit into a Canadian bank account. In an attempt to be proactive, RCMP Corporate Accounting is promoting the registration of RCMP suppliers for the upcoming change in the payment process.

If you are the successful bidder on this or any other RCMP requirement, you are encouraged to register with the RCMP for direct deposit. Please contact RCMP Corporate Accounting by email to receive a form entitled *Recipient Electronic Payment Registration Request* along with instructions for completion of the form.

Should you have any questions regarding the Cheque Standardization Project or if you want to register, please contact the following email: corporate_accounting@rcmp-grc.gc.ca



PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

- Section I: Technical Bid (2 hard copies)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<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.

Section II: Financial Bid

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

3.1.1 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.



PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 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.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Specifications – HF Mobile Station	Substantiating Documentation	Compliant?
The HF Mobile station must be purpose built for use and installation in a vehicle with a 12 volt power system	In bid on page _____	Yes___ / No___
The station must be capable of 100 watt final power output	In bid on page _____	Yes___ / No___
The station must be capable of operations from 3 to 30 MHz	In bid on page _____	Yes___ / No___
Completed installation cannot exceed 100 W EIRP	In bid on page _____	Yes___ / No___
The HF Mobile station must include all hardware / software necessary for it to be configured and used on a 3G ALE network. This would include but is not limited to: Mobile Radio; Microphone and speakers; Mobile Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for a 3G ALE network; Antenna must be mountable on a Suburban or ¾ ton Pickup; Antenna must be suitable for NVIS operation; Related components such as cables, mounting hardware and brackets; Control head / display.	In bid on page _____	Yes___ / No___
All equipment must be certified under IC RSS-125	In bid on page _____	Yes___ / No___
All antenna structures must meet IC CPC-2-0-03	In bid on page _____	Yes___ / No___
Stations must have a time out timer configuration for up to 5 minutes	In bid on page _____	Yes___ / No___
All installations must meet Safety Code 6	In bid on page _____	Yes___ / No___
All emissions must fall within a 3 KHz channel assignments	In bid on page _____	Yes___ / No___
All stations must be equipped with AES 256 security for use on the 3G ALE network	In bid on page _____	Yes___ / No___
All encryption hardware must be FIPS-140-2 compliant	In bid on page _____	Yes___ / No___



Each station must include a key loading device that is FIPS-140-2 compliant; Suitable cables for key loading each device must also be supplied	In bid on page _____	Yes___ / No___
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Specifications – Fixed HF Station	Substantiating Documentation	Compliant?
The HF Fixed stations must be purpose built for use and installation in an office type environment	In bid on page _____	Yes___ / No___
The stations must be capable of operations from 3 to 50 MHz	In bid on page _____	Yes___ / No___
The fixed station must be remotely operable through an IP network and include all necessary consoles /cables / interfaces to operate over such a network	In bid on page _____	Yes___ / No___
The station in combination with its antenna system must be capable of 1KW EIRP	In bid on page _____	Yes___ / No___
The station must be adjustable in power output from 100W to 1KW EIRP	In bid on page _____	Yes___ / No___
Completed installation cannot exceed 1000 W EIRP	In bid on page _____	Yes___ / No___
The HF Fixed station must include all hardware / software necessary for it to be configured and used on a 3G ALE network. This would include but is not limited to: Base Radio; RF Power Amplifier (as necessary to achieve 1KW EIRP); Microphone, and speakers; Control head / display; Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for an 3G ALE network; Antenna must be self-contained and field deployable; Related components such as cables, mounting hardware and brackets; AC power supply; Remote control (via IP network) accessories	In bid on page _____	Yes___ / No___
All equipment must be certified under IC RSS-125	In bid on page _____	Yes___ / No___
All antenna structures must meet IC CPC-2-0-03	In bid on page _____	Yes___ / No___
Stations must have a time out timer configuration for up to 5 minutes	In bid on page _____	Yes___ / No___
All installations must meet Safety Code 6	In bid on page _____	Yes___ / No___
All emissions must fall within a 3 KHz channel assignments	In bid on page _____	Yes___ / No___
All stations must be equipped with AES 256 security for use on the 3G ALE	In bid on page _____	Yes___ / No___



network		
All encryption hardware must be FIPS-140-2 compliant	In bid on page _____	Yes___ / No___
Each station must include a key loading device that is FIPS-140-2 compliant; Suitable cables for key loading each device must also be supplied	In bid on page _____	Yes___ / No___

Specifications – HF Manpack	Substantiating Documentation	Compliant?
The HF Manpack must be purpose built for use and operation in a field environment	In bid on page _____	Yes___ / No___
The station must be capable of 30 watt final power output	In bid on page _____	Yes___ / No___
The station must be capable of operations from 3 to 30 MHz	In bid on page _____	Yes___ / No___
Completed installation cannot exceed 100 W EIRP	In bid on page _____	Yes___ / No___
The Manpack must be suitable for use in harsh environmental conditions; Unit must hold a IP67 rating or equivalent	In bid on page _____	Yes___ / No___
The HF Manpack station must include all hardware / software necessary for it to be used on the move on a backpack including: Base Radio; Microphone, and speakers; Control head / display; Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for a 3G ALE network; Backpack frame/pack; Related components such as cables, mounting hardware and brackets; Power supply	In bid on page _____	Yes___ / No___
All equipment must be certified under IC RSS-125	In bid on page _____	Yes___ / No___
All antenna structures must meet IC CPC-2-0-03	In bid on page _____	Yes___ / No___
Stations must have a time out timer configuration for up to 5 minutes	In bid on page _____	Yes___ / No___
All installations must meet Safety Code 6	In bid on page _____	Yes___ / No___
All emissions must fall within a 3 KHz channel assignments	In bid on page _____	Yes___ / No___
All stations must be equipped with AES 256 security for use on the 3G ALE network	In bid on page _____	Yes___ / No___
All encryption hardware must be FIPS-140-2 compliant	In bid on page _____	Yes___ / No___
Each station must include a key loading device that is FIPS-140-2 compliant; Suitable cables for key loading each device must also be supplied	In bid on page _____	Yes___ / No___



4.1.2 Financial Evaluation

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
1	HF Mobile Station	\$	1	\$
2	Fixed HF Station	\$	2	\$
3	HF Manpack	\$	1	\$
4	3G ALE link / network planning software	\$	1	\$
5	Total Mandatory Quantities			\$

Prices include shipping and all related ancillary components.

Stations

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
6	HF Mobile Station	\$	5	\$
7	Fixed HF Station	\$	5	\$
8	HF Manpack	\$	5	\$
9	3G ALE link / network planning software	\$	2	\$
10	Total Optional Quantities for B.1.1			\$

Prices include shipping and all related ancillary components.

Parts

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
11	Antennas for Mobile Unit	\$	10	\$
12	Auto-Tuner for Mobile Antenna	\$	10	\$
13	Microphone for Mobile Unit	\$	10	\$
14	Mobile Unit (radio only)	\$	10	\$
15	Antennas for Fixed Unit	\$	10	\$
16	Microphone for Fixed Unit	\$	10	\$
17	Fixed Unit (radio only)	\$	10	\$
18	Antennas for Manpack	\$	4	\$
19	Microphone for Manpack	\$	4	\$
20	Manpack Unit (radio only)	\$	4	\$
21	Battery for Manpack	\$	4	\$
22	Total Optional Quantities for B.1.2			\$

Prices include shipping and all related ancillary components.

Total Bid Price

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
5	Total Mandatory Quantities			\$
10	Total Optional Quantities for B.1.1			\$
22	Total Optional Quantities for B.1.2			\$
5 +10	Total Bid Price			\$



+22			
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SACC *Manual* Clause A0220T (2014-06-26), Evaluation of Price.

4.2 Basis of Selection

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



PART 5 - CERTIFICATIONS

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, 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 made knowingly or unknowingly, 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 and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.1.1 Integrity Provisions

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process:

- Declaration of Convicted Offences (as applicable)
- Required Documentation

5.1.2 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" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.



PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Requirement

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

6.2.1 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "B" of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within 48 months after contract award by sending a written notice to the Contractor.

6.3 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.

6.3.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

4001 (2015-04-01) Hardware Purchase, Lease and Maintenance;
4003 (2010-08-16) Licensed Software;
4004 (2013-04-25) Maintenance and Support Services for Licensed Software;
apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 2018-06-01.

6.4.2 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.



6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

(to be inserted at Contract award)

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

6.5.2 Project Authority

The Project Authority for the Contract is:

(to be inserted at Contract award)

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.

6.5.3 Contractor's Representative

(to be inserted at Contract award)

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price(s), as specified in Annex B for a cost of \$_____ *(to be inserted 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.

6.6.2 Method of Payment

H1000C (2008-05-12) Single Payment

6.6.3 SACC Manual Clauses

C2000C (2007-11-30) Taxes – Foreign-based Contractor *(if applicable)*

6.7 Invoicing Instructions

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.

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.



- One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia. (*Insert the name of the province or territory as specified by the Bidder in its bid, if applicable*)

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the Articles of Agreement;
- b) the supplemental general conditions
4001 (2015-04-01) Hardware Purchase, Lease and Maintenance;
4003 (2010-08-16) Licensed Software; and
4004 (2013-04-25) Maintenance and Support Services for Licensed Software;
- c) the general conditions 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- d) Annex A, Requirement;
- e) Annex B, Basis of Payment;
- f) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: "*, as clarified on _____" **or** "*, as amended on _____" and insert date(s) of clarification(s) or amendment(s)*)

6.11 Procurement Ombudsman

6.11.1 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.

6.11.2 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.



ANNEX "A"

REQUIREMENT

1.0 Title

Mobile, Fixed and Manpack Radios

2.0 Acronyms

RCMP: Royal Canadian Mounted Police
BC: British Columbia
ALE: Automatic Link Establishment
HF: High Frequency
OTH: Over the Horizon
MHz: Mega Hertz
EiRP: Effective isotropic Radiated Power
IC RSS: Industry Canada Radio Standards Specifications
IC CPC: Industry Canada Client Procedure Circulars
NVIS: Near Vertical Incident Skywave
AES: Advanced Encryption Standard
VHF: Very High Frequency
FIPS: Federal Information Processing Standard
RF: Radio Frequency

3.0 Background

The Royal Canadian Mounted Police (RCMP) is seeking to create a 3G ALE radio network. The system itself will be used in the following voice and/or data applications:

- a) Fixed HF to Fixed HF radio (for emergency backup communications or OTH radio links)
- b) VHF mobile to 4 wire-E&M to HF mobile to HF fixed (for mobile VHF to HF repeater operations)
- c) Portable HF (Manpack) to Fix HF (for remote area communications)

4.0 Objectives

The system will be used to verify the effectiveness of the 3G ALE standard in the above scenarios.

5.0 Requirement

The RCMP requires the following:

- mobile HF station;
- fixed HF stations;
- portable (Manpack) HF station;
- 3G ALE link / network planning software;
- related ancillary components.

5.1 Specifications – HF Mobile Station

- The HF Mobile station must be purpose built for use and installation in a vehicle with a 12 volt power system;
- The station must be capable of 100 watt final power output;
- The station must be capable of operations from 3 to 30 MHz;
- Completed installation cannot exceed 100 W EiRP;



- The HF Mobile station must include all hardware / software necessary for it to be configured and used on a 3G ALE network. This would include but is not limited to:
 - Mobile Radio;
 - Microphone and speakers;
 - Mobile Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for a 3G ALE network;
 - Antenna must be mountable on a Suburban or ¾ ton Pickup;
 - Antenna must be suitable for NVIS operation;
 - Related components such as cables, mounting hardware and brackets;
 - Control head / display.

5.2 Specifications – Fixed HF Station

- The HF Fixed stations must be purpose built for use and installation in an office type environment;
- The stations must be capable of operations from 3 to 30 MHz;
- The fixed station must be remotely operable through an IP network and include all necessary consoles /cables / interfaces to operate over such a network;
- The station in combination with its antenna system must be capable of 1KW EIRP;
- The station must be adjustable in power output from 100W to 1KW EIRP;
- Completed installation cannot exceed 1000 W EIRP;
- The HF Fixed station must include all hardware / software necessary for it to be configured and used on a 3G ALE network. This would include but is not limited to:
 - Base Radio;
 - RF Power Amplifier (as necessary to achieve 1KW EIRP);
 - Microphone, and speakers;
 - Control head / display;
 - Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for an 3G ALE network;
 - Antenna must be self- contained and field deployable;
 - Related components such as cables, mounting hardware and brackets;
 - AC power supply;
 - Remote control (via IP network) accessories.

5.3 Specifications – HF Manpack

- The HF Manpack must be purpose built for use and operation in a field environment;
- The station must be capable of 30 watt final power output;
- The station must be capable of operations from 3 to 30 MHz;
- Completed installation cannot exceed 100 W EIRP;
- The Manpack must be suitable for use in harsh environmental conditions;
 - Unit must hold a IP67 rating or equivalent;
- The HF Manpack station must include all hardware / software necessary for it to be used on the move on a backpack including:
 - Base Radio;
 - Microphone, and speakers;
 - Control head / display;
 - Antenna and Tuner permitting automatic operation of the Unit across the entire HF band (3 to 30 MHz) as needed for a 3G ALE network;
 - Backpack frame/pack;
 - Related components such as cables, mounting hardware and brackets;
 - Power supply.

5.4 Specifications – Certifications

- All equipment must be certified under IC RSS-125;
- All antenna structures must meet IC CPC-2-0-03;



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- Stations must have a time out timer configuration for up to 5 minutes;
 - All installations must meet Safety Code 6. Health Canada has a guideline, known as Safety Code 6, which recommends limits for safe human exposure to RF electromagnetic energy. The limits established in Safety Code 6 incorporate large safety margins to provide a significant level of protection for all Canadians, including those working near RF sources.;
 - All emissions must fall within a 3 KHz channel assignments.

5.5 Specifications – Security

- All stations must be equipped with AES 256 security for use on the 3G ALE network;
- All encryption hardware must be FIPS-140-2 compliant;
- Each station must include a key loading device that is FIPS-140-2 compliant;
 - Suitable cables for key loading each device must also be supplied.

5.6 Specifications – Product Quality

- The device must have a minimum 1 year Return-to-Depot warranty outlined in [4001 26](#);

6.0 Delivery Location

All items are to be shipped to:
RCMP Headquarters-Radio Technology Program
14200 Green Timbers Way, Mailstop 1505
Surrey, BC., V3T 6P3



ANNEX “B”

BASIS OF PAYMENT

B.1 Mandatory Quantities

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
1	HF Mobile Station	\$	1	\$
2	Fixed HF Station	\$	2	\$
3	HF Manpack	\$	1	\$
4	3G ALE link / network planning software	\$	1	\$
5	Total Mandatory Quantities			\$

Prices include shipping and all related ancillary components.

B.1 Optional Quantities

Optional Quantities may be ordered in part, using multiple amendments. Delivery of Optional Quantities must be within 60 calendar days of the contract amendment.

B.1.1 Stations

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
6	HF Mobile Station	\$	5	\$
7	Fixed HF Station	\$	5	\$
8	HF Manpack	\$	5	\$
9	3G ALE link / network planning software	\$	2	\$
10	Total Optional Quantities for B.1.1			\$

Prices include shipping and all related ancillary components.

B.1.2 Parts

A. Line	B. Description	C. Unit Price	D. Quantity	(CxD) Extended Price
11	Antennas for Mobile Unit	\$	10	\$
12	Auto-Tuner for Mobile Antenna	\$	10	\$
13	Microphone for Mobile Unit	\$	10	\$
14	Mobile Unit (radio only)	\$	10	\$
15	Antennas for Fixed Unit	\$	10	\$
16	Microphone for Fixed Unit	\$	10	\$
17	Fixed Unit (radio only)	\$	10	\$
18	Antennas for Manpack	\$	4	\$
19	Microphone for Manpack	\$	4	\$
20	Manpack Unit (radio only)	\$	4	\$
21	Battery for Manpack	\$	4	\$
22	Total Optional Quantities for B.1.2			\$

Prices include shipping and all related ancillary components.