



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des
soumissions/Travaux publics et Services
gouvernementaux Canada
See herein for bid submission
instructions/
Voir la présente pour les
instructions sur la présentation
d'une soumission
NA
Manitoba

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

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

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

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

Comments - Commentaires

Title - Sujet Sound Equipment	
Solicitation No. - N° de l'invitation W0117-193175/A	Date 2020-05-08
Client Reference No. - N° de référence du client W0117-193175	
GETS Reference No. - N° de référence de SEAG PW-\$WPG-120-11026	
File No. - N° de dossier WPG-9-42097 (120)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-06-22	Time Zone Fuseau horaire Central Daylight Saving Time CDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Aquino, Jill	Buyer Id - Id de l'acheteur wpg120
Telephone No. - N° de téléphone (431) 373-1718 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE RCAF BAND BLDG 90 715 WILHURI RD WINNIPEG Manitoba R3J3Y5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada - Western
Region
Victory Building/Édifice Victory
Room 310/pièce 310
269 Main Street/269 rue Main
Winnipeg
Manitoba
R3C 1B3

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
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

Solicitation No. - N° de l'invitation
W0117-193175/A
Client Ref. No. - N° de réf. du client
W0117-193175

Amd. No. - N° de la modif.
File No. - N° du dossier
WPG-9-42097

Buyer ID - Id de l'acheteur
WPG120
CCC No./N° CCC - FMS No./N° VME

SOUND EQUIPMENT

IMPORTANT NOTICE TO SUPPLIERS RE. BID SUBMISSION REQUIREMENTS

Due to the impacts from the COVID-19 pandemic, temporary measures are being taken on-site at the Western Region Bid Receiving Unit to encourage social distancing. The health and safety of staff and suppliers remains our top priority.

Suppliers are required to submit bids electronically using the Canada Post epost Connect application for the subject bid solicitation. This service allows suppliers to submit bids, offers and arrangements electronically to PWGSC Bid Receiving Units. This online service enables the electronic transfer of large files up to Protected B level.

To use epost Connect to submit your bid, or to get more information on its use, please send an email to the Western Region Bid Receiving Unit's generic address at roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca

Faxed and hard copy (submitted in person or via mail/courier) bids will not be accepted for the subject bid solicitation.

Given current circumstances and network limitations, some active procurements may be delayed. To stay up to date on the status of specific procurements, please consult Buysandsell.gc.ca.

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PART 1 - GENERAL INFORMATION

1.1 Requirement

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

1.2 epost Connect service

"This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

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

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

The [2003](#) (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 Condition of Material – Bid

Material supplied must be new and conform to the latest issue of the applicable drawing, specification and/or part number that is in effect on the bid solicitation closing date.

2.1.2 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:
 - a. the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b. 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.

2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

PWGSC Western Region Bid Receiving Unit

Only bids submitted using epost Connect service will be accepted. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

roreceptionSoumissions.wrbidreceiving@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date. Bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the 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 Manitoba.

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

3.1 Bid Preparation Instructions

The Bidder must submit its bid electronically in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

Bids transmitted by facsimile or hardcopy will not be accepted.

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.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

[C3011T](#) (2016-11-06), 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

This requirement includes mandatory technical criteria. See Annex A, Requirement.

4.1.2 Financial Evaluation

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

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

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 AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional 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 will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 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 provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<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.

5.2.2 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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 the Contract.

6.2 Requirement

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

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.

6.3.1 General Conditions

[2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to 21 August 2020 inclusive.

6.4.2 Delivery Date

All the deliverables must be received on or before 21 August 2020.

6.4.3 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:

Name: Jill Aquino
Title: Procurement Officer
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Western Region
Address: Suite 310, 269 Main Street
Winnipeg, MB R3C 1B3
Telephone: 431-373-1718
Facsimile: 204-983-7796
E-mail address: jill.aquino@pwgsc-tpsgc.gc.ca

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

6.5.2 Technical Authority

The Technical Authority for the Contract is: ***(To be inserted at contract award)***

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

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

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 lot price(s)*, as specified in 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 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.

6.6.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s): **TBD**

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

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 Manitoba

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 general conditions [2010A](#) (2018-06-21), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated _____.

6.11 Defence Contract

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

6.12 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of 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.

6.13 SACC Manual Clauses

[B1501C](#) (2018-06-21) Electrical Equipment
[B7500C](#) (2006-06-16), Excess Goods
[D0018C](#) (2007-11-30), Delivery and Unloading
[G1005C](#) (2016-01-28), Insurance - No Specific Requirement

ANNEX A

REQUIREMENT

Requirement — Transmitter/Receivers Royal Canadian Air Force Band Department of National Defence, Winnipeg MB Canada

BACKGROUND:

The Royal Canadian Air Force (RCAF) Band is a unique organization with a number of different professional ensembles that require professional calibre sound equipment supplied to them in order to perform their primary duties. Failure to acquire quality sound gear could jeopardize the unit's ability to achieve its core mandate. We currently have a high quality sound system in our possession, but due to circumstances beyond our control, it will not be serviceable without the required upgrades. The frequency that our microphones and monitors operate on has been sold to a wireless company and will be no longer usable without the proper licensing requirements. The transmitters and receivers must be replaced to be compatible with our current system in order to operate legally.

OBJECTIVE & SCOPE:

To purchase the components needed made by Sennheiser which are compatible with our current equipment for the RCAF Band in Winnipeg Manitoba, Canada in accordance with the requirements detailed herein.

COMPLIANCE MATRIX - MANDATORY PERFORMANCE SPECIFICATIONS:

A complete list of the minimum mandatory performance specifications are detailed below in the “Compliance matrix”. Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders **must** show compliance by addressing each performance specification in the Compliance Matrix, whether the product offered “meets” or “doesn’t meet”.
2. Bidders are requested to indicate how they meet each performance specification by recording this information under the Performance Specification Offered column in the Compliance Matrix.
3. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.
4. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
5. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.
6. Failure to meet each mandatory performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

COMPLIANCE MATRIX – MANDATORY PERFORMANCE SPECIFICATIONS			
Item #	Mandatory Performance Criteria	Performance Specification Offered:	Cross Reference:
		Bidders should indicate how they meet the specification by recording this information in this column.	In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents
1	Rack mount transmitters \\ IEM Wireless Transmitter <i>Sennheiser PROAV SR 2050XP IEM-Aw+ 504057</i> <i>(Quantity x 3)</i> <i>or equivalent</i>		
1.1	Operate within the frequency range of Aw (516/558 Megahertz (Mhz))		

1.2	Monitoring and control under the same remote software as above components		
1.3	Pilot tone operation		
1.4	2 transmitters per single 19 inch rack space		
1.5	Directly compatible with existing AC 3200-II antenna combiner		
1.6	Directly compatible with A 2003-Ultra High Frequency (UHF) antenna		
1.7	Compatible with above belt pack receivers		
1.8	2 External Line Return (XLR) Combo jacks per channel		
1.9	Infrared(IR) Synchronisation		
1.10	Minimum 20 frequency banks with 32 factory-preset channels		
1.11	50 Ohm (Ω) Bayonet Neill-Concelman (BNC) socket		
1.12	RF Output power 10/30/50 Milliwatt (mW) Switchable (no less)		
1.13	3-Pin, protection class 1 as per IEC/EN 60320-1 power connection		
1.14	Operate on 120 and 240 Volt(V) Alternating Current (AC), 50/60 Hertz(Hz) but supplied with Canadian standard 5-15P 120V 15 Amp(A) plug cable		
1.15	In compliance with CE, FCC, IC regulations		
1.16	Modulation Frequency Modulation(FM), MPX-stereo		
1.17	Input voltage range + 22 Decibel Unloaded (dBu) Max		
1.18	3000 carrier frequencies		
1.19	Minimum of 6 independent user		

	transition frequencies (3 dual transition devices)		
1.20	Simultaneous operation capable		
1.21	Direct compatibility with Item # 2 Belt pack receivers // IEM Wireless Receiver		
1.22	Remotely accessible via Ethernet using the same proprietary software as Item # 10 Rack Mount Receiver \\ Wireless microphone and body pack receiver		
2	Belt pack receivers // IEM Wireless Receiver <i>Sennheiser PROAV EK 2000 IEM Aw+ 503153</i> <i>(Quantity x 7)</i> <i>or equivalent</i>		
2.1	Operate within the frequency range of Aw (516/558 Mhz)		
2.2	Pilot tone operation		
2.3	Operate in Stereo or Mono Selectively		
2.4	IR Synchronisation		
2.5	Adaptive-diversity technology		
2.6	Half-duplex(HDX) Compander		
2.7	3.5mm stereo jack		
2.8	FM, MPX-Stereo Modulation		
2.9	3000 carrier frequencies		
2.10	Squelch thresholds of, Off, 5 to 25 Decibel Microvolt(dBuV) in 2 decibel(dB) steps		
2.11	100 mW @32 Ω minimum output power		
2.12	>90dB(A)(“A” waited system) Signal to noise ratio		
2.13	7 individual devices		
2.14	Minimum 8 units operational simultaneously without interfering with one another.		
2.15	Direct compatibility with Item # 1 Rack mount transmitters \\ IEM Wireless Transmitter		
3	Portable hand held microphone transmitters <i>Sennheiser WMS SKM 6000 BK A1-A4 506302</i> <i>(Quantity x 9)</i> <i>or equivalent</i>		
3.1	Intermodulation free Digital transition		

3.2	Powered by provided rechargeable battery Compatible with charger item # 5 Battery Charger		
3.3	Directly compatible with existing model KK204 microphone capsules without adapter		
3.4	Operate within the frequency range of 470-558 Mhz		
3.5	Black in colour		
3.6	960 mW max power consumption		
3.7	Radio frequency(RF) output power settings of 25mW Root mean Square(rms) and 50 mW peak		
3.8	88Mhz switching bandwidth		
3.9	Low cut frequency settings of 60, 80, 100, 120 Hz		
3.10	Audio frequency response of 30hertz(Hz) – 20kilohertz(kHz) within 3dB or better (inclusive and wider frequency, equal to or smaller dB)		
3.11	Audio gain adjustment of 0 to +62 dB or better (inclusive and wider, equal to or smaller dB steps) in 3 dB steps		
3.12	Includes Original Equipment manufacturer (OEM) stand mounting clip/bracket		
3.13	IR Synchronisation		
3.14	9 individual devices		
3.15	Simultaneous operation capable		
3.16	Direct compatibility with Receiver Item # 10 Rack Mount Receiver \\ Wireless microphone and body pack receiver		
3.17	Direct compatibility with battery adapter Item # 6 Hand held AA battery adapter sled		
4	Portable hand held microphone transmitter Battery <i>Sennheiser WMS BA 60 504702</i> <i>(Quantity x 13)</i> <i>Or equivalent</i>		
4.1	Directly Compatible with Item # 3 Portable hand held microphone transmitters		
4.2	Directly Compatible with Charger Item # 5 Battery Charger		

4.3	Quantity sufficient to operate all item # 3 Portable hand held microphone transmitters, simultaneously and a minimum of 4 on standby/ charging		
5 (a-c)	Battery Charger <i>5a) Sennheiser WMS L 6000 - US 507302 or equivalent (Quantity x 1)</i> <i>and</i> <i>5b) Sennheiser WMS LM 6060 507198 or equivalent (Quantity x 2)</i> <i>and</i> <i>5c). Sennheiser WMS LM 6062 508516 or equivalent (Quantity x 2)</i>		
5.1	Directly compatible and hold quantity 4 of item # 4 Portable hand held microphone transmitter Battery		
5.2	Directly compatible and hold quantity 4 of item # 8 Body Pack Audio Transmitter Battery		
5.3	1unit(U) rack mountable In a standard 19 inch rack space		
5.4	Minimum of 4 charging slots per battery type, item # 4 Portable hand held microphone transmitter Battery and item # 8 Body Pack Audio Transmitter Battery		
6	Hand held AA battery adapter sled <i>Sennheiser WMS B 60 504700 (Quantity x 1) or equivalent</i>		
6.1	Implement the capability of 2x AA(size) Batteries for item # 3 Portable hand held microphone transmitters while maintaining item # 3 Portable hand held microphone transmitters functionality		
7	Body Pack Audio Transmitter <i>Sennheiser WMS SK 6212 A1-A4 508513 (Quantity x 8) or equivalent</i>		
7.1	Intermodulation free Digital transition		

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7.2	Powered by provided rechargeable battery Compatible with charger item # 5 Battery Charger		
7.3	Operate within the frequency range of 470-558 Mhz		
7.4	Includes OEM stand mounting clip/bracket		
7.5	8 individual devices		
7.6	Belt clip included per unit		
7.7	Compatible with existing LEMO audio connections FVB.00.303.NLAE24		
7.8	Supplied with quantity x 12 male audio connectors (Item # 9 Male Audio Connector) for existing e908 microphones		
7.9	Operate on 15miliwatt(Mw) and 3.5 Mw RF output power settings Physical size smaller than or equal to 65x47x20 millimetres(MM)		
7.10	Weigh less than 115grams(g) including battery		
7.11	88 Mhz of switching bandwidth		
7.12	Operating time of 12 hours or longer per charge		
7.13	Audio frequency response of 30Hz – 20kHz within 3dB or better (inclusive and wider frequency, equal to or smaller dB)		
7.14	Audio gain adjustment of -6 to +42 db or better(inclusive and wider frequency, equal to or smaller dB steps) in 3 dB steps		
7.15	Removable Coaxial Socket antenna		
7.16	IR Synchronisation		
7.17	Simultaneous operation capable		
7.18	Direct compatibility with Receiver Item # 10 Rack Mount Receiver \\ Wireless microphone and body pack receiver		
8	Body Pack Audio Transmitter Battery <i>Sennheiser WMS BA 62 508517 (Quantity x 12) Or equivalent</i>		
8.1	Directly Compatible with Item # 7 Body Pack Audio Transmitter		
8.2	Directly Compatible with Charger		

	Item # 5 Battery Charger		
8.3	Quantity sufficient to operate all item # 3 Portable hand held microphone transmitters simultaneously and a minimum of 4 on standby/charging		
9	Male Audio Connector <i>LEMO FVB.00.303.NLA E24</i> <i>(Quantity x 12)</i> <i>Or equivalent</i>		
9.1	Compatible with item # 7 Body Pack Audio Transmitter		
9.2	Interchangeable or same as existing connector FVB.00.303.NLAE24		
10	Rack Mount Receiver \\ Wireless microphone and body pack receiver <i>Sennheiser WMS EM 6000 DANTE™ US 508477</i> <i>(Quantity x 6)</i> <i>Or equivalent</i>		
10.1	Intermodulation free Digital receiver		
10.2	Dante compatible over Ethernet		
10.3	Directly compatible with item # 3 Portable hand held microphone transmitters and item # 7 Body Pack Audio Transmitter		
10.4	2 receivers per 1U 19 inch rack space		
10.5	Operate on frequency range 470-714 Mhz		
10.6	Directly compatible with existing A 1031-U antennas		
10.7	Frequency response of 30Hz-20 kHz within 1.5db or better		
10.8	Weight 5.5kilograms(Kg) or less per unit		
10.9	Power consumption of 35Watts(W) or less		
10.10	Audio output formats of Digital Audio outputs: AES3-2003, XLR-3: 48 kHz, 96 kHz, 24 bit Dante™, RJ-45: 48 kHz, 96 kHz, 24 bit		
10.11	Digital audio outputs can be externally synchronized using loop-through BNC socket		
10.12	Analog Audio Outputs: XLR-3 and 6.3 mm jack per channel (transformer balanced) -10 dBu to +18 dBu in steps of 1 dB (2 kilohm(kΩ))		

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10.13	Storage temperature must go as cold as -25 Celsius or colder		
10.14	244Mhz of switching band width		
10.15	Operate on 120 and 240 V AC, 50/60 Hz but supplied with Canadian standard 5-15P 120V 15A plug cable		
10.16	Dynamic range of at least 111dB (A)		
10.17	2x BNC (50 Ω) 0 db +/- 0.5 dB Antenna BNC chain outputs		
10.18	Dante Connection Institute of Electronical and Electronics Engineers(IEEE) 802.3 (1000 Mbit/s), shielded RJ-45 connection		
10.19	3-Pin, protection class 1 as per IEC/EN 60320-1 power connection		
10.20	True bit diversity receiver system		
10.21	IR Synchronisation		
10.22	Remotely accessible via Ethernet using the same proprietary software as Item # 2 Belt pack receivers // IEM Wireless Receiver		
10.23	Operate any collaboration of Item # 3 Portable hand held microphone transmitters and Item # 7 Body Pack Audio Transmitter belt pack transmitters to a minimum quantity of 12 channels simultaneously		

DELIVERABLES:

The equipment detailed above with the specifications listed must be shipped to the following address:

Attention: The RCAF Band
Bldg 90, 715 Wihuri Rd
P.O. Box 17000 Stn Forces
Winnipeg MB, R3J 3Y5

ANNEX B

BASIS OF PAYMENT

FINANCIAL BID — INSTRUCTIONS:

To be given further consideration in the process, Bidders must submit firm pricing for all goods and services listed in the table provided below.

Pricing must be in Canadian dollars, Applicable Taxes excluded, Delivered Duty Pair (DDP) shipping charges, Canadian customs duties, and excise taxes included.

Pricing must include all delivery charges. No further charges will be allowed.

Firm unit/lot Prices are FOB destination and must include all delivery, off-loading, and warranty charges.

Firm Unit/lot Price do not include Applicable taxes. Applicable taxes will be added as a separate line item to any invoice issued as a result of a Contract.

All Firm Unit/lot Prices are in Canadian Dollars (CAD)

All line items must be filled out in order for the bid to be deemed responsive, if any line item is left blank it will be considered zero for evaluation purposes.

Item #	Description	Qty	Unit of Issue	Firm Unit Price CAD	Extended Price
1	Sennheiser PROAV SR 2050XP IEM-Aw+ (item: 504057) – IEM dual channel, stereo transmitter (470-558MHz) or equivalent	3	each	\$ _____	\$ _____
2	Sennheiser PROAV EK 2000 IEM-Aw+ (item: 503153) – IEM bodypack receiver (470-588MHz) or equivalent	7	each	\$ _____	\$ _____
3	Sennheiser WMS SKM 6000 BK A1-A4 (506302) Hand Held Transmitter Range(470-558) or equivalent	9	each	\$ _____	\$ _____
4	Sennheiser WMS BA 60 (504702) Battery Pack SKM6000-SKM9000 or equivalent	13	each	\$ _____	\$ _____

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5a	Sennheiser WMS L 6000 - US (507302) Charger 19 ", up to 4x charger cores(not included) or equivalent	1	each	\$ _____	\$ _____
5b	Sennheiser WMS LM 6060 (507198) Charging Core for L600 2x BA 60 or equivalent	2	each	\$ _____	\$ _____
5c	Sennheiser WMS LM 6062 (508516) Charging Core for L600 2x BA 6 or equivalent	2	each	\$ _____	\$ _____
6	Sennheiser WMS B 60 (504700) Battery compartment SKM6000-SKM9000, 2xAA Battery or equivalent	1	each	\$ _____	\$ _____
7	Sennheiser WMS SK 6212 A1-A4 (508513) Mini Bodypack Trans Range(470-558) or equivalent	8	each	\$ _____	\$ _____
8	Sennheiser WMS BA 62 (508517) Battery pack for SK 6212 or equivalent	12	each	\$ _____	\$ _____
9	3 Pin LEMO Audio Connectors FVB.00.303.NLA E24 or equivalent	12	each	\$ _____	\$ _____
10	Sennheiser WMS EM 6000 DANTE™ US (508477) Rack Receiver or equivalent	6	each	\$ _____	\$ _____
EVALUATED BID PRICE - GST/HST Extra					\$ _____

Provincial Sales Tax (PST) Exemption No. PST-390-516-0

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ANNEX C to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)