



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**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  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> VHF Radio Leasing	
<b>Solicitation No. - N° de l'invitation</b> W0127-19G408/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W0127-19G408	<b>Date</b> 2018-09-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$EDM-607-11444	
<b>File No. - N° de dossier</b> EDM-8-41055 (607)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2018-09-27</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Mountain Daylight Saving Time MDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Jenkinson, Lorraine	<b>Buyer Id - Id de l'acheteur</b> edm607
<b>Telephone No. - N° de téléphone</b> (587) 337-2458 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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## **TITLE: LEASE OF PORTABLE VHF RADIO SETS**

This solicitation amendment is to provide for clarifications regarding the Request for Proposal (RFP).

### **PART A: QUESTIONS/ANSWERS**

Q1-1. This RFP for a VHF Radio Leasing (No. W0127-19G408) asks for a keypad handset to control the radio features. Our handheld 5W radio comes with an internal keypad which control the radio features.

This request makes it feasible to simultaneously control the radio from two sources the headset and radio keypad which can confuse the operator. This keypad control handset type is useful in case of vehicular configuration when the operator is away from the radio. In the handheld radio configuration, the operator has the full access and control on the radio panel.

Can we propose a radio set with built-in keypad with a regular handset (without keypad)?

A1-1. DND requires a way to program the radio either directly (built in keypad) or indirectly (keypad handset).

Reference – Annex A and Annex D:

1.1 One (1) keypad handset, which controls radio features.

Therefore:

1.1 One (1) keypad, which controls radio features, either built in or on the handset.

Q1-2. In regard to the RFP W0127-19G408/A, can you specify what modulation DND requires. Is it only analog, Analog & DMR or Analog & P25?

A1-2. Only analog is required.

### **PART B: REVISION TO SOLICITATION DOCUMENT**

B1.1 At **ANNEX "A" - STATEMENT OF WORK**

DELETE: **ANNEX "A" - STATEMENT OF WORK** in its entirety.

INSERT: **ANNEX "A" - STATEMENT OF WORK** (Revised 2018-09-18), herein.

B1.2 At **ANNEX "D" - EVALUATION CRITERIA**

DELETE: **ANNEX "D" - EVALUATION CRITERIA** in its entirety.

INSERT: **ANNEX "D" - EVALUATION CRITERIA** (Revised 2018-09-18), herein.

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If your bid has already been submitted, you may wish to revise it. Revisions to your bid can be submitted in a sealed envelope or by facsimile or by ePost, in which the content is clearly identified. Please clearly indicate the content on the envelope, on the cover page or in the subject line, according to your method of presenting your amended proposal.

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Any revisions to your bid must be received by the Bid Receiving Unit on or before the time and date stated on page 1 of this document. Any revisions to your bid received after the closing date and time will be considered late and will be returned unopened.

**ANNEX "A" - STATEMENT OF WORK**  
(Revised 2018-09-18)

**LEASE OF PORTABLE VHF RADIO SETS (3<sup>rd</sup> Canadian Division)**

**Section 1.0 – Scope**

**1.1 Purpose.** This document sets out the general and specific requirements for the full and satisfactory execution of the requirement related to the lease of VHF communication devices in an environment of operations and engagements for the Department of National Defence (DND).

**1.2 Background.** 3<sup>rd</sup> Canadian Division (3 Cdn Div) has a requirement for a short term lease of equipment. This equipment is necessary to be interoperable in a non-secure mode with other military specific radios in the same frequency band as per the technical requirements. This requirement will support dismounted communication over short and medium distances, to other dismounted sections or supporting mounted platforms. A non-secure platform is sufficient to support the Canadian Army Reserve in many individual and collective training settings. The lease would be for period of one year, with three options of an additional year each.

**1.3 Terminology**

CAF – Canadian Armed Forces  
EFCC - Equipment Fielding Coordination Centre  
ISED – Innovation, Science and Economic Development Canada  
OEM – Original Equipment Manufacturer.  
VHF – Very High Frequency 30-300MHz. 30-88MHz is the required segment of this band.

**Section 2.0 – Requirements**

**2.1 Tasks.** Lease 120 portable VHF radios with an option for an additional 60 available. Refer to Appendix 1 – Compliance Matrix for the complete performance specifications.

**2.2 CAF Responsibilities**

**2.2.1. CAF** will provide the facilities or classroom within the following location to conduct the training sessions: Victoria, Vancouver, Edmonton, Calgary, Saskatoon, and Winnipeg.

**2.6 Contractor's Responsibilities**

**2.6.1.** Defective equipment must be replaced within 96 hours of its receipt by the Contractor. Canada must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good, and the Contractor must pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the contract or to another location as directed by Canada.

**2.6.2.** Lost or broken equipment not covered by warranty must be replaced at a maximum cost of 75% of the cost of published sale of equipment.

**2.6.3.** User training sessions will be given by the Contractor:

**2.6.3.1.** In English (mandatory);

**2.6.3.2.** Sessions will be delivered in the following locations – Victoria, Vancouver, Edmonton, Calgary, Saskatoon, and Winnipeg.

- 2.6.3.4.** Only on weekends (Saturday and Sunday), 7.5 hours per day, between 8am and 4pm, within a period of 30 days following the delivery of VHF radio sets.
- 2.6.3.5.** Each session will have 15 users trained on operation, programming and routine maintenance.
- 2.6.3.6.** There will be two sessions in a weekend at each of the locations in 2.6.3.2, one per day.

**2.6.4.** Instructor training sessions will be given by the Contractor:

- 2.6.4.1.** In English;
- 2.6.4.2.** On the Contractor's facilities or in a classroom rented by the Contractor;
- 2.6.4.3.** Sessions will be delivered in (or not more than 150km from) the following locations – Vancouver, Red Deer and Winnipeg.
- 2.6.4.4.** Only on weekends within 30 days following delivery of VHF radio sets.
- 2.6.4.5.** Each session will have six "train the trainer" instructors qualified to deliver future user training covering operation, programming and maintenance of the radio set.
- 2.6.6.6.** Each session is requested to be 15 hours, divided over two days.

### **Section 3.0 – Deliverables**

#### **3.1** Instructor Qualifications (Training/Experience)

**3.1.1.** Must include a curriculum vitae of the instructor(s) and any other document to demonstrate that they:

- a. have received training on the proposed radio model that is recognized by the original equipment manufacturer (OEM) and for which a proof of certification is available.
- OR
- b. possesses one year of proven experience with the proposed radio model as a product representative or instructor.

**3.1.2.** DND 552 Parts 2 through 4 or Technical Acceptance Certificate from ISEDC.

**3.1.3.** All radios are to be delivered to CFB Edmonton EFCC.

**Appendix 1 to Annex "A" – Compliance Matrix – Minimum Mandatory Performance Specifications:**

	<b><u>Requirements</u></b>
<b>1</b>	<b>General Technical Requirement</b>
1.1	One (1) keypad, which controls radio features, either built in or on the handset.
1.2	One (1) headset suited to under helmet use i.e. no overhead padded band that prevents the wear of a helmet. The mount for retaining the earpiece and microphone can't have a band that inhibits the wearing and performance of a helmet on a soldier.
1.3	One (1) carrying structure or case
1.4	One (1) 1-metre whip antenna (+/- 10cm) capable of receiving and transmitting the whole frequency band requested in 2.3
1.5	Two (2) sets of rechargeable batteries necessary for the operation of the radio
1.6	One (1) operator manual, in paper or PDF format, written in English. If the electronic version is provided, it is available by download or USB storage device;
1.7	A minimum of twenty-four programming kits (software and cables);
1.8	A minimum of forty-eight single-bay battery charging stations; and
1.9	A minimum of twelve multiple-bay (minimum six bays each) battery charging stations.
<b>2</b>	<b>Detailed Technical Requirements</b>
2.1	Must have a valid Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed;
2.2	Must operate at temperatures varying between -30 and +60 degrees Celsius;
2.3	Must operate at frequencies ranging from 30 MHz to 88 MHz;
2.4	Must have an output power of 5W; the output power can be fixed or adjustable but must achieve the minimum of 5W.
2.5	The radio receiver must be sensitive enough to enable communication at a minimum LOS range of 5km within the specified frequency bandwidth and at a 5W transmit power under normal condition, meaning no obstacles such as mountains, valleys, dense vegetation, tall building and no electrical interferences;
2.6	Must weigh a maximum of 1.5kg including the battery pack;
2.7	Must meet standard MIL-STD-810G;
2.8	Must have a minimum of 10 pre-programmable channels;
2.9	Must have 25kHz spacing;
2.10	Must be FM (F3E) digital frequency modulated;
2.11	Must be compatible with STANAG 4204, 150Hz tone squelch;
2.12	Must be powered using a rechargeable battery with a duty cycle of minimum 8hrs based

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	on a 5/5/90 (transmitting/receiving/waiting); and
2.13	Must not be considered a controlled cryptographic item (CCI) and as such must not contain any Type 1 cryptographic element. A commercial encryption capability such as AES 256, while not requested will be accepted.
3	<b>Warranty</b>
3.1	Standard warranty for entire length of leasing. All parts covered.

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**ANNEX “D” - EVALUATION CRITERIA**  
(Revised 2018-09-18)

The bid must meet the mandatory criteria specified in this annex. Bids which fail to meet the mandatory criteria will be declared non-responsive. Each mandatory criterion should be addressed separately.

If the supporting documentation referenced below 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.

**C.1 Instructor Qualifications (Expertise and Experience)**

1. Bidders must include with their bid a curriculum vitae (C.V.) of the instructor(s) and any other document to demonstrate that they:
  - a. have received training on the proposed radio model that is recognized by the original equipment manufacturer (OEM) and for which a proof of certification is available.

OR

  - b. possesses one year of proven experience with the proposed radio model as a product representative or instructor.
2. In order that the regulatory training may be considered, the following documents must be provided:
  - a. A written certification that the person has taken formal training in the field of radio sets specified in this request.
  - b. The following information should also be provided: name of the institution; titles of courses taken; and the number of hours of theoretical and practical instruction.

**C.2 – Minimum Mandatory Equipment 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. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Solicitation document.



5. Failure to meet each mandatory performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

Canada will evaluate only the documentation provided with a Bidder's bid. Canada will not evaluate information such as references to Web site addresses where additional information can be found, or technical manuals or brochures not submitted with the bid.

**COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS:**

	<u>Requirements</u>	<b>Performance Specification Met?</b>	<b>Performance Specification Offered:</b>	<b>Bidders Cross Reference:</b>
		Indicate either Yes/No	Bidder <u>should</u> indicate how they meet the performance 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.
<b>1</b>	<b>General Technical Requirement</b>			
1.1	One (1) keypad, which controls radio features, either built in or on the handset.			
1.2	One (1) headset suited to under helmet use i.e. no overhead padded band that prevents the wear of a helmet. The mount for retaining the earpiece and microphone can't have a band that inhibits the wearing and performance of a helmet on a soldier.			
1.3	One (1) carrying structure or case			
1.4	One (1) 1-metre whip antenna (+/- 10cm) capable of receiving and transmitting the whole frequency band requested in 2.3			
1.5	Two (2) sets of rechargeable batteries necessary for the operation of the radio			
1.6	One (1) operator manual, in paper or PDF format, written in English. If the electronic version is provided, it is available by download or USB storage device;			

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1.7	A minimum of twenty-four (24) programming kits (software and cables);			
1.8	A minimum of forty-eight (48) single-bay battery charging stations; and			
1.9	A minimum of twelve (12) multiple-bay (minimum six bays each) battery charging stations.			
2	<b>Detailed Technical Requirements</b>			
2.1	Must have a valid Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed;			
2.2	Must operate at temperatures varying between -30 and +60 degrees Celsius;			
2.3	Must operate at frequencies ranging from 30 MHz to 88 MHz;			
2.4	Must have an output power of 5W; the output power can be fixed or adjustable but must achieve the minimum of 5W.			
2.5	The radio receiver must be sensitive enough to enable communication at a minimum LOS range of 5km within the specified frequency bandwidth and at a 5W transmit power under normal condition, meaning no obstacles such as mountains, valleys, dense vegetation, tall building and no electrical interferences;			
2.6	Must weigh a maximum of 1.5kg including the battery pack;			
2.7	Must meet standard MIL-STD-810G;			
2.8	Must have a minimum of 10 pre-programmable channels;			
2.9	Must have 25kHz spacing;			
2.10	Must be FM (F3E) digital frequency modulated;			

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2.11	Must be compatible with STANAG 4204, 150Hz tone squelch;			
2.12	Must be powered using a rechargeable battery with a duty cycle of minimum 8hrs based on a 5/5/90 (transmitting/receiving/waiting); and			
2.13	Must not be considered a controlled cryptographic item (CCI) and as such must not contain any Type 1 cryptographic element. A commercial encryption capability such as AES 256, while not requested will be accepted.			
3	<b>Warranty</b>			
3.1	Standard warranty for entire length of leasing. All parts covered.			