



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

Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC  
11 Laurier St. / 11, rue Laurier  
Place du Portage, Phase III  
Core 0B2 / Noyau 0B2  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**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**

**Vendor/Firm Name and Address**

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**

Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
7B3, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> MOBILE LOUDSPEAKER SYSTEMS	
<b>Solicitation No. - N° de l'invitation</b> W8476-185742/A	<b>Date</b> 2017-11-24
<b>Client Reference No. - N° de référence du client</b> W8476-185742	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-331-73814	
<b>File No. - N° de dossier</b> hn331.W8476-185742	<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 2017-12-12</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Turner, Louie	<b>Buyer Id - Id de l'acheteur</b> hn331
<b>Telephone No. - N° de téléphone</b> (873) 469-3342 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> Specified herein - Précisé dans les présentes	<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>



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	25 Canadian Forces Supply Depot Sgt D.Tremblay, Goods Reception 6363 NOTRE DAME EST MONTREAL QC H1N 3V9 CANADA	W8476	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. DGLEPM CAPITAL Prakash Tadvalkar, DLP 5-3-4-C1 OTTAWA Ontario K1A0K2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	NO DATA	D - 1	W8476	1	Each	\$	XXXXXXXXXXXX		See Herein	
2	NO DATA	D - 1	W8476	1	Each	\$	XXXXXXXXXXXX		See Herein	
3	Vehicle Mounted Loudspeaker System (VMLS) Specifications and requirements as per Annex A - Statement of Requirement	D - 1	W8476	30	Each	\$	XXXXXXXXXXXX		2018-03-31	
4	Man-Portable Loudspeaker System (M PLS) Specifications and requirements as per Annex A - Statement of Requirement	D - 1	W8476	50	Each	\$	XXXXXXXXXXXX		2018-03-31	
5	Familiarization Training Familiarization Training - details as per Annex A, SOR, section 3.1.3, includes 3.1.3.1, 3.1.3.2 and 3.1.3.3 • Travel and living expenses/costs not to be included in the firm training bid price. Refer to Section 6, clause 6.6.4 - Travel and Living expenses	D - 1	W8476	1	Lot	\$	XXXXXXXXXXXX		See Herein	
6	Vehicle Mounted Loudspeaker System (VMLS) option quantity, up to 45 Vehicle Mounted Loudspeaker System (VMLS) • The option quantity period will be for a period of two years starting from the date of award of the firm quantity contract.	D - 1	W8476	45	Each	\$	XXXXXXXXXXXX		See Herein	
7	Man-Portable Loudspeaker System (M PLS) option quantity, up to 25	D - 1	W8476	25	Each	\$	XXXXXXXXXXXX		See Herein	



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
7	Man-Portable Loudspeaker System (MPLS) <ul style="list-style-type: none"><li>The option quantity period will be for a period of two years starting from the date of award of the firm quantity contract.</li></ul>								



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
8	Familiarization Training Option quantity of up to 2 days Familiarization Training <ul style="list-style-type: none"><li>Training details/requirements as per Annex A, SOR, section 3.1.3, includes 3.1.3.1, 3.1.3.2 and 3.1.3.3</li><li>Travel and living expenses/costs not to be included in the option quantity training bid price. Refer to Section 6, clause 6.6.4</li></ul> - Travel and Living expenses	D - 1	W8476	2	Days	\$	XXXXXXXXXXXX		See Herein	



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
9	Extended Warranty (VMLS) 2 year extended warranty for Vehicle Mounted Loudspeaker System (VMLS) for the firm quantity of 30 and the option quantity of up to 45 • note: this 2 year extended warranty price request is an optional requirement which may or may not be exercised with any of the firm or optional quantities of the loudspeakers. • If the extended warranty unit price is different for the firm quantity and the option quantity, show different prices at this line item.	D - 1	W8476	75	Each	\$	XXXXXXXXXXXX		See Herein	



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
10	Extended Warranty (MPLS) 2 year extended warranty for Man-Portable Loudspeaker System (MPLS) for the firm quantity of 50 and the option quantity of up to 25 • note: this 2 year extended warranty price request is an optional requirement which may or may not be exercised with any of the firm or optional quantities of the loudspeakers. • If the extended warranty unit price is different for the firm quantity and the option quantity, show different prices at this line item.	D - 1	W8476	75	Each	\$	XXXXXXXXXXXX		See Herein	



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
11	Additional Warranties If additional warranties are offered for any additional period over the total three years required (1 year standard warranty, plus two extended years) provide details and pricing on a separate page.	D - 1	W8476	1	Each	\$	XXXXXXXXXXXX		See Herein	



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hn331.W8476-185742

Buyer ID - Id de l'acheteur  
hn331  
CCC No./N° CCC - FMS No./N° VME

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**Attachments:**

Annex A – Statement of Requirement

Annex B – Technical Bid Evaluation Criteria

## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement associated with the requirement.

### **1.2 Statement of Requirement**

The contractor must provide the goods in accordance with the technical requirements stated herein.

#### **1.2.1 Delivery Requirement**

Delivery is requested to be completed by March 31, 2018.

### **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 Trade Agreements**

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).

### **1.5 Phased Bid Compliance Process**

The Phased Bid Compliance Process applies to this requirement.

## 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 (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

#### 2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
<u>A9033T</u>	Financial Capability	2012-07-16
<u>B1000T</u>	Condition of Material	2014-06-26

### 2.2 Submission of Bids

Bids must be submitted ONLY TO THE BID RECEIVING UNIT by the date, time and place indicated on page 1 of the bid solicitation. Do not send proposal directly to the Contracting Officer. Email proposal not accepted.

PWGSC Bids Receiving Unit  
11 Laurier Street  
Place du Portage, Phase 3, Core 0B2  
Gatineau, Québec, K1A 0S5  
Tel.: 819-420-7201  
Fax: 819-997-9776

### 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (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.

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## **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 Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

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## 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.

**NOTE:** Travel and living expenses/prices are not to be included in the bid price for familiarization training, of line item #5 and line item #8. Travel and living expenses for familiarization training, line item #5 and line item #8 must be claimed under section 6 - 6.6.4 Travel and Living Expenses - No allowance for profit and overhead" of the contract.

#### 3.1.2 Pricing - Multi-Item Bid Solicitation

Bidders do not have to quote a price for every item in the bid solicitation, but must bid on all items/requirements associated with each product type, (items 3, 6, 9 for the VMLS and items 4, 7, 10 for the MPLS) in order to be evaluated. Bidders may withdraw one or more items after bid closing but prior to contract award by advising in writing the Contracting Authority.

### **3.1.2.1 Exchange Rate Fluctuation Risk Mitigation**

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form PWGSC-TPSGC 450, Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form PWGSC-TPSGC 450, for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

### **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

### **3.1.3 Delivery Offered**

While delivery is requested as indicated above, the best delivery that could be offered is\_\_\_\_\_.

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## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

**You are reminded that this solicitation requires the compliance and/or completion of requirements attached as an Annex and forming part of this document.**

### 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.
- c) Canada will use the Phased Bid Compliance Process described below.

#### 4.1.1 Phased Bid Compliance Process

##### 4.1.1.1 General

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their Bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

THE BIDDER ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE BID IS NON-RESPONSIVE, EVEN FOR MANDATORY REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE BID HAD BEEN FOUND RESPONSIVE

IN SUCH EARLIER PHASE. CANADA MAY DEEM A BID TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE.

THE BIDDER ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS BID RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS BID NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.



- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2017-04-27) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

#### 4.1.1.2

##### **Phase I: Financial Bid**

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.
- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.

- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- (g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

#### 4.1.1.3 Phase II: Technical Bid

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- (d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.

- (e) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.
- (f) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.
- (g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase or decrease any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid, but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid.
- (h) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

#### **4.1.1.4 Phase III: Final Evaluation of the Bid**

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

#### **4.1.2 Technical Evaluation**

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

##### **4.1.2.1 Mandatory Technical Criteria**

The following Mandatory requirements must be submitted with the bid for evaluation

- Technical compliance herein;
- Mandatory Technical Performance Requirements – Annex A, section 2.5, specifications 1 to 20.
- Requirements identified by the word “must” in Annex A, Statement of Requirement are mandatory, deviations will not be permitted.

**The Phased Bid Compliance Process will apply to all mandatory technical criteria.**

##### **4.1.2.2 Point Rated Technical Criteria**

Point rated technical criteria as per Annex B, Table 2: Rated Criteria for Desirable Technical Performance Requirements.

##### **4.1.2.3 Pricing Basis**

The bidder must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid CFB Montreal and to a TBD Canadian destination for the First Article units, Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

## 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 on an item by item basis" will be recommended for award of a contract.

### **Method to determine lowest evaluated price on an item by item basis:**

For evaluation purposes, line items 3, 6, 9 for the VMLS is considered as one item type and line items 4, 7, 10 for the MPLS is considered an item type. Bids that do not include prices for all the items identified in each type of loudspeaker cannot be evaluated, therefore the bid shall be considered non-responsive and will receive no further consideration. (Refer to section 3.1.2 Pricing – Muti-Item Bid Solicitation)  
Line item # 5, line item # 8 and line item #11 prices will not be considered in the financial evaluation.

Bids must meet all mandatory criteria per Mandatory Technical Performance Requirements – Annex A, section 2.5, specifications 1 to 20 and requirements identified by the word "must" in Annex A, Statement of Requirement, bids that do not meet this criteria will be considered non-responsive and will receive no further consideration, then:

Bids that meet mandatory criteria per Mandatory Technical Performance Requirements – Annex A, section 2.5, specifications 1 to 20 and requirements identified by the word "must" in Annex A, Statement of Requirement must then meet or exceed a pass mark of 75% for the point rated desirable criteria in Annex B, Table 2, R1 to R5, then:

The lowest priced bid of the responsive bids that meets or exceeds a pass mark of 75% for the point rated desirable criteria in Annex B, Table 2, R1 to R5 will be determined as the Lowest evaluated price.

Evaluated bids will not include line item # 5, line item # 8 and line item #11 prices but will include option quantities.

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## 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. 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 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 procurement agreement of 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.

#### 5.2.2 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

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Bidders' Authorized Representative Signature

---

Date

or

- B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

<b>Green Practices within the Bidders' organization</b>	<b>Insert a checkmark for each criterion that is met</b>
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

\_\_\_\_\_  
Bidders' Authorized Representative Signature

\_\_\_\_\_  
Date

### 5.2.3 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](#) website ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)).

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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex [Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.



## 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

There is no security requirement applicable to this Contract.

### 6.2 Statement of Requirement

The contractor must provide the goods in accordance with the technical requirements stated herein.

#### 6.2.2 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the goods described at line item details 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, in whole or in part, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

#### 6.2.3 SACC Manual Clauses

SACC Reference	Section	Date
<a href="#">B1501C</a>	Electrical Equipment	2006-06-16
<a href="#">B7500C</a>	Excess Goods	2006-06-16

### 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](#) (2016-04-04), [General Conditions - Goods \(Medium Complexity\)](#), apply to and form part of the Contract.

##### 6.3.1.1 SACC Manual Clauses

SACC Reference	Section	Date
<a href="#">C2800C</a>	Priority Rating	2013-01-28
<a href="#">C2801C</a>	Priority Rating - Canadian Contractors	2014-11-27
<a href="#">A9062C</a>	Canadian Forces Site Regulations	2011-05-16

## **6.4 Term of Contract**

### **6.4.1 Delivery Date**

All the deliverables must be received on or before \_\_\_\_\_ (Delivery as offered and as accepted will be inserted at contract award).

### **6.4.2 Option to Extend the Contract**

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to one additional 2 year period under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least one calendar day before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

[Louie Turner, Supply Specialist](#)

Public Works and Government Services Canada - Acquisitions Branch  
Logistics, Electrical, Fuel and Transportation Directorate - "HN" Division  
7B3, Place du Portage, Phase III, 11 Laurier Street, Gatineau, QC, K1A 0S5  
Telephone: (873) 469-3342 Facsimile: (819) 953-4944  
E-mail address: [louie.turner@pwgsc-tpsgc.gc.ca](mailto:louie.turner@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: (will be inserted at contract)

Name:

Title:

Telephone: (xxx) xxx-xxxx Facsimile: (xxx) xxx-xxxx

E-mail:

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 Procurement authority

The Procurement Authority for the Contract is: (will be inserted at contract)

Name:  
Title:  
Telephone: (xxx) xxx-xxxx Facsimile: (xxx) xxx-xxxx  
E-mail:

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.4 Contractor's Representative

Name and telephone number of the person responsible for: (will be inserted at contract)

#### General enquiries

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

#### Delivery follow-up

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

## 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 firm unit prices, as specified in the contract for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

### 6.6.2 Limitation of Price

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

### 6.6.3 Milestone Payments - Subject to holdback

1. Canada will make milestone payments upon delivery and acceptance of the items in the Contract, up to 90 percent of the amount claimed and approved by Canada if:
  - a. an accurate and complete invoice for payment have been submitted in accordance with the invoicing instructions provided in the Contract;

- b. the total amount for all milestone payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
- c. all work associated with the milestone and as applicable any deliverable required have been completed and accepted by Canada.

2. The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of all Work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted

#### 6.6.4 Travel and Living Expenses - No allowance for profit and overhead

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, in accordance with Contract Cost Principles 1031-2, with no allowance for profit and/or administrative overhead. All payments are subject to government audit.

#### 6.6.5 SACC Manual Clauses

SACC Reference	Section	Date
<u>G1005C</u>	Insurance	2016-01-28

#### 6.6.6 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:  
$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$

where formula variables correspond to:

  - FCC: Foreign Currency Component (per unit)
  - i0: Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])
  - i1: exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])
  - Qty: quantity of units
4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.

6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form PWGSC-TPSGC 450, Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form PWGSC-TPSGC 450 (i.e.  $\frac{i1 - i0}{i0}$ ).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

## 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.

Each invoice must be supported by:

- a) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses.
2. Invoices must be distributed as follows:
  - (a) The original and one (1) copy must be forwarded to the following address for certification and payment.  
National Defence Headquarters - MGen George R. Pearkes Building  
101 Colonel By Drive, Ottawa, ON, K1A 0K2  
Attention: Prakash Tadvalkar, DLP 5-4-3-C1.
  - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.  
Department of Public Works and Government Services - "HN" Division  
7B3 Place du Portage, Phase III, 11 Laurier Street, Gatineau, QC, K1A 0S5  
Attention: Louie Turner

## 6.8 Certifications

### 6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms 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 \_\_\_\_\_.

## 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](#) (2016-04-04), [Goods \(Medium Complexity\)](#);
- (c) Statement of Requirement;
- (d) the Contractor's bid dated \_\_\_\_\_ " , as clarified on \_\_\_\_\_ " **or** " , as amended on \_\_\_\_\_ "

## 6.11 Defence Contract

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

## 6.12 SACC Manual Clauses

SACC Reference	Section	Date
<a href="#">D5545C</a>	ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)	2010-08-16

## 6.13 NATO Commercial and Government Entity Code (NCAGE) Traceability

Material supplied for the items specified in this contract is subject to investigation by Canada. Material which can neither be demonstrated by the contractor as having originated directly from the NCAGE specified for the item in this contract, nor as supplied with the specific written permission of this specified NCAGE, are subject to the following action by Canada.

Canada may either:

- a) terminate the contract for default with respect to that item, return the item to the Contractor at the Contractor's risk and expense, and demand and receive from the Contractor (who shall forthwith so pay) all procurement and other costs incurred by Canada, including any increased costs required for the purpose of expediting production; or
- b) retain the item, and demand and receive from the Contractor (who shall forthwith so pay) the difference between the Contractor's costs relating to the item, as determined by Canada, and the costs which, in Canada's opinion, the Contractor would have incurred had it obtained and supplied an item which did not differ in any way from that specifically required under the contract.

## 6.14 SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
<a href="#">D2000C</a>	Marking	2007-11-30
<a href="#">D2001C</a>	Labelling	2007-11-30
<a href="#">D6010C</a>	Palletization	2007-11-30
<a href="#">D2025C</a>	Wood Packaging Materials	2013-11-06
<a href="#">D9002C</a>	Incomplete Assemblies	2007-11-30

### 6.14.1 Shipping Instructions - Delivery at Destination

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

- (a) Delivered Duty Paid (DDP) CFB Montreal, 6363 Notre Dame Est, Montreal, Quebec and to a TBD Canadian destination for the First Article units Inco terms 2000 for shipments from a commercial contractor.

### 6.14.2 Preparation for Delivery (DND) ([D3018C](#))

The Contractor must prepare all item numbers for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package all item numbers in quantities of one (1) by package.

### 6.14.3 Shipping – Scheduling (DND)

The Contractor must deliver the goods to Canadian Forces (CF) Supply Depots by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the Depot Traffic Section at the appropriate location shown below. The consignee may refuse shipments when prior arrangements have not been made.

- (a) 25 CF Supply Depot Montreal  
Montreal, Quebec  
Telephone: 514-252-2777, ext. 6530  
Att: Sgt Daniel Tremblay



**NOTICE**

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

**AVIS**

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

## **Annex A - Statement of Requirement**

### **Product Description**

**For**

**Mobile Loudspeaker Systems**

**ECC**

**NSN**

**15 November 2017**

**OPI DLCSPM 4-5**

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du chef d'état-major de la Défense

2016 DND/MND Canada





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# 1. INTRODUCTION

## 1.1 Scope

This Product Description covers the DND requirements for certain components of two configurations of portable Loudspeaker systems:

- Configuration 1: Man-Portable Loudspeaker System (MPLS) and
- Configuration 2: Vehicle-Mounted Loudspeaker System (VMLS).

### 1.1.1 Configuration 1 (MPLS) comprises of the following major components:

- a) Speaker assembly, including necessary ancillaries and accessories;
- b) Carrying bag; and
- c) Remote operation assembly.

### 1.1.2 Configuration 2 (VMLS) comprises of the following major components:

- a) Speaker assembly, including necessary ancillaries and accessories;
- b) Tripod for ground operations;
- c) Vehicle mount; and
- d) Storage case.

## 1.2 Instructions

The following instructions apply to this Product Description:

### 1.2.1 Requirements identified by the word “*must*” are mandatory. Deviations will not be permitted;

### 1.2.2 Requirements identified by the word “*should*” are desirable;

- 1.2.3 Requirements identified with a “*will*” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;
- 1.2.4 Where “*must*”, or “*will*” are not used, the information provided is for guidance only;
- 1.2.5 Where technical certification is required, a copy of the certification or an acceptable proof of compliance *must* be provided upon request;
- 1.2.6 Metric measurements *must* be used to define the requirement; and
- 1.2.7 Dimensions stated as nominal *must* be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

### 1.3 Applicable Documents

The Contractor *must* provide equipment that conforms to the following guidance documents:

#### 1.3.1 Government Furnished Information

These documents will be supplied to the Contractor

1.3.1.1 D-02-002-001/SG-001, Identification and Marking of Canadian Military Property.

1.3.1.2 D-LM-008-036-SF-000, Packaging requirements.

1.3.1.3 D-01-400-002/SF-000, Drawings, Engineering and Associated Lists.

#### 1.3.2 Other Publications

It is the responsibility of the Contractor to obtain all civilian, commercial, and non-military government documents listed herein. Web sites for the organization are given when available.

1.3.2.1 MIL-STD 461F, “Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment”, Dec 2007, available at:  
<http://snebulos.mit.edu/projects/reference/MIL-STD/MIL-STD-461F.pdf>

1.3.2.2 Transport of Dangerous Goods, <http://www.tc.gc.ca/eng/tdg/act-menu-130.htm>

## 2. REQUIREMENTS

### 2.1 Design

Both MPLS & VMLS configurations & their components **must**:

- 2.1.1 Be in production or be a pre-production model that has gone through testing for performance, reliability and maintainability;
- 2.1.2 Have engineering certification available, upon demand, for all components from the Original Equipment Manufacturer (OEM)s of those components; and
- 2.1.3 Conform to all applicable laws, regulations and industrial standards governing manufacture, safety and pollution in effect in Canada at the time of manufacture, irrespective of the actual country of manufacture.

### 2.2 Operating Conditions

The MPLS & VMLS under all conditions, **must** operate safely and efficiently as follows without appreciable degradation in reliability and maintainability:

- 2.2.1 **Weather** : MPLS & VMLS **must** be transportable and stored under the extremes of weather in temperatures ranging from -30 °C to 37°C (-22°F to 99 °F) and operate in controlled environments from -30°C to 49°C (shelters or military vehicles).
- 2.2.2 **Terrain**: MPLS & VMLS **must** operate in-theatre year round operations.
- 2.2.3 **Safety Regulations**: MPLS & VMLS **must** comply with applicable Canadian Federal safety regulations for such systems.
- 2.2.4 **Human Factors Engineering and Safety**: The following applies:
  - 2.2.4.1 All components of the Loudspeaker system and related controls **must** be safe and easy to use by a full range of operators (5<sup>th</sup> percentile female to 95<sup>th</sup> percentile male), in general accordance with SAE J833 (ISO 3411) and SAE J898 (ISO 66832);
  - 2.2.4.2 Safety devices such as warning plates, instruction plates, non-slip surfaces, grab handles and heat shields **must** be provided, where required, to ensure safe operation.

### 2.3 Equipment Assembly & Delivery

The MPLS & VMLS *must* be fully assembled before delivery to destination. For shipment verification, all systems components, some of which are shipped loose with the equipment, *must* be listed on the shipping certificate or to an attached packing note.

### 2.4 First Article Acceptance Test

Two (2) MPLS & two (2) VMLS *must* be delivered to a location to be agreed with the contractor to conduct a FAAT, within 4 weeks of the Contract Award date. The components of both the MPLS & VMLS configurations *must* be the exact configuration & performance specifications as set out in this Product Description (Section 2.5 below) and the balance of systems to be delivered.

### 2.5 Mandatory Technical Performance Requirements:

MPLS & VMLS *must* meet the following specifications:

Specifications			
#	Mandatory Technical Performance Requirements	Config 1 MPLS	Config. 2 VMLS
1	<b>Power Requirement</b> <i>Must</i> operate and/or be recharged on 110/220, 50/60 Hz VAC and 12/24 VDC	Applicable	Applicable
2	<b>Initial powered-On</b> <i>Must</i> perform as specified, when initially powered-on in no more than	15 minutes	2 Minutes
3	<b>Battery operation</b> <i>Must</i> <ul style="list-style-type: none"><li>• Be designed with user replaceable batteries as alternate power source;</li><li>• Have a battery charge level indicator;</li><li>• Adaptable to use standard military 2590 battery and</li><li>• Broadcast for a continuous 30 minutes on internal batteries before requiring to be recharged.</li></ul>	Applicable  Applicable Applicable Applicable	Applicable  Applicable Applicable Applicable
4	<b>Environmental Temperature</b> <i>Must</i> operate at environmental temperature from -30oC to 49oC.	Applicable	Applicable

5	<b>Rain</b> <i>Must</i> be tested against MIL STD 810 G – Test Method 506.5 – Rain Procedure I – Rain and blowing rain (or equivalent).	Applicable	Applicable
6	<b>Audio Input</b> <i>Must</i> allow connection to any audio device (media player, computer, audio mixer, etc.) through a headphone jack and XLR connector	Applicable	Applicable
7	<b>Microphone</b> <i>Must</i> include a microphone for usage on the go.	Applicable	Applicable
8	<b>Magnetic Mount</b> <i>Must</i> be designed and built to be mounted on military vehicles with magnetic mount	Not Applicable	Applicable
9	<b>Tripod</b> <i>Must</i> be designed and built for installation on a tripod	Not Applicable	Applicable
10	<b>Storage</b> <i>Must</i> be stored in individual ruggedized case for storage.	Applicable	Applicable
11	<b>Clear broadcast range</b> <i>Must</i> broadcast clear vocal communication to a target at no less than	300 Meters	800 Meters
12	<b>Sound broadcast range</b> <i>Must</i> broadcast siren, alarm, non-speech audio to a target at no less than	Not Applicable	1200 Meters
13	<b>Cone of sound</b> <i>Must</i> broadcast directionally no less than from the origin.	15 degrees	25 degrees
14	<b>Directional</b> <i>Must</i> broadcast at target, independent of the vehicle or tripod, and adjustable in pitch	Not Applicable	Through an arc of 360 degrees

15	<b>Weight</b> <i>Must</i> not exceed in total weight	10 Kg (including internal batteries required for operation)	15 Kg (not including internal batteries required for operation)
16	<b>Remote operation</b> <i>Must</i> be capable of remote operation at no less than: <ul style="list-style-type: none"> <li>• Wired</li> <li>• Wireless</li> </ul>	<ul style="list-style-type: none"> <li>• 50 Meters</li> <li>• 200 Meters</li> </ul>	Not Applicable
17	<b>Portability</b> <i>Must</i> be transportable by one person, to include a carrying case to contain the loudspeaker. The carrying case must utilize a molly system with adjustable shoulder straps. Dimensions are limited to the size of the speaker.	Applicable	Not Applicable
18	<b>Transportability</b> <i>Must</i> be transportable by not more than two (2) persons – Max weight 51 Lb. per person	Not Applicable	Applicable
19	<b>Spatial Volume</b> <i>Must</i> have a spatial volume of no more than 0,032m3.	Applicable	Not Applicable
20	<b>Setup Time</b> <i>Must</i> utilize no more than 2 soldiers for no longer than 45 minutes using an automated source such as a media player or laptop.	Not Applicable	Applicable

## 2.6 Desirable Technical Performance Requirements

Bids that meet all performance specifications identified in Section 2.5 above will be deemed “responsive” and will be evaluated further & rated against desirable performance as set out below:

Specifications		
Desirable Technical Performance Requirements	Config 1 MPLS	Config. 2 VMLS
<b>1. Battery operation</b>  <i>Should</i> support broadcast for a continuous 120 minutes at full volume on internal batteries before requiring to be recharged, while respecting the required performance specifications.	Applicable	Applicable
<b>2. Clear Vocal Broadcast range</b>  <i>Should</i> broadcast clear vocal communication to a target at up to	600+ Meters	1500+ Meters
<b>3. Sound Broadcast range</b>  <i>Should</i> broadcast siren, alarm, non-speech audio to a target at	Not Applicable	2500 Meters
<b>4. Cone of sound</b>  <i>Should</i> broadcast directionally from the origin at up to	25+ Degrees	35+ Degrees
<b>5. Weight</b>  <i>Should</i> not exceed total weight (including internal batteries required for operation)	7 Kg.	Not Applicable



## **2.7 Packaging & Markings**

**2.7.1 Additional packaging markings:** The Contractor *must* ensure that in addition to the required interior and exterior package markings, the following information is provided on those markings:

- a) NATO Stock number;
- b) Part number;
- c) Serial number;
- d) Contract number; and
- e) Contractor name.

**2.7.2 Part numbers:** All items procured under this contract *must* have a part number affixed to the article. Major Line Replacement Units (LRU) must have the part number and serial number affixed to the article.

## **2.8 Data for Catalogue & Inventory Purposes**

**2.8.1** The contractor *must* provide necessary documentation requested by the TA to catalogue and inventory MPLS & VMLS into the DND Supply System.

**2.8.2** The contractor *must* furnish technical data to the TA (for identification and cataloguing purposes) a minimum of six weeks prior to system delivery date in the contract.

**2.8.3** The data furnished *must* support the configuration of the contracted end item, each subassembly repaired or replaced by the user or Original Equipment Manufacturer (OEM), and each item that supports repair or replacement by the user, including general and/or special tools and/or test equipment.

**2.8.4** For MPLS & VMLS, the contractor *must* furnish technical documentation to the TA consisting of OEM level 3 engineering drawings, specifications or industry standards. For NSN items, a corresponding drawing, specification or standard is not required. The Crown will determine the acceptability of any supporting data, and the contractor must remedy any deficiencies to the satisfaction of the DND Cataloguing Authority.

**2.8.5** For cataloguing purposes, the contractor *must* furnish the following data elements in a tabular format to support each cable item:

- a) Basic item name: OEM part number;
- b) OEM NCAGE code or full address;
- c) Standard unit price (budgetary pricing only);
- d) Unit of issue;
- e) Procurement lead time (in days); and
- f) Shelf life (if applicable).

### 3. INTEGRATED LOGISTICS SUPPORT (ILS) REQUIREMENTS

#### 3.1 Documentation & Training

The Contractor *must* provide the following:

##### 3.1.1 Items to be shipped for Technical Authority (TA) Prior to MPLS & VMLS Delivery

**3.1.1.1 Data Summary** - A bilingual data summary for each MPLS & VMLS with data and a system picture in the TA provided format.

**3.1.1.2 Manuals for Approval** – as follows

- (i) One set of each manual (Operator & Technical) in both digital and paper format;
- (ii) Digital copies - functional without a password requirement for an auto-run installation procedure or an Internet connection. Digital copies *must* be provided on a CD or DVD. It is preferred that digital copies are provided in a searchable PDF format (non-password protected);
- (iii) Draft Manuals will not be returned;
- (iv) Approval or comments on the manuals *will* be provided within 15 working days of receipt; and
- (v) All manuals *must* be in both of Canada's official languages (English & French). If French versions of the manuals are not available, permission to translate manuals from English to French *must* be granted by the Contractor to Canada.

##### **3.1.1.3 Warranty Letter**

- (i) A paper copy of the warranty letter in the approved format (provided by the TA) *must* be provided.
- (ii) The warranty letter *must* include the name and contact information of the designated warranty provider.

**3.1.1.4 Initial Parts Kit List:** per the Technical Manual, needed to perform preventive maintenance for MPLS & VMLS for a 2 year period.

All required parts *must* be included in the list, which *must* include the following

- (i) Part description;
- (ii) Original Equipment Manufacturer Part number;
- (iii) Suggested quantity; and
- (iv) Unit cost.

#### **3.1.1.5 Material Safety Data Sheets:**

- (i) The contractor **must** provide:
  - 1. A list of all hazardous materials used in MPLS & VMLS vehicle, if any; and
  - 2. Material Safety Data sheets of all hazardous materials in that list.
- (ii) If there are no hazardous materials used, this **must** be stated on the listing.

**3.1.1.6 Training Plan:** The Contractor must submit a training plan for approval to the TA.

### **3.1.2 Items shipped with Each MPLS & VMLS**

#### **3.1.2.1 Approved Operator Manual:**

- (i) An operator's manual for safe MPLS & VMLS operation including all supplied attachments **must** be provided for each of 48 MPLS & 28 VMLS shipped.
- (ii) The operator's manual **must** be provided in a bilingual format.
- (iii) A digital copy of the operator's manual **must** be provided, in addition to the paper copy, with each system shipped.
- (iv) The digital copy **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection. Digital copies **must** be provided on a CD or DVD in a searchable PDF format (non-password protected).

#### **3.1.2.2 Warranty Letter:**

- (i) A paper copy of the completed bilingual warranty letter in the approved format (provided by the TA) with each system shipped.
- (ii) The warranty letter **must** include the name and contact information of the closest designated warranty provider.
- (iii) Designated warranty providers **must** honor the warranty letter.

**3.1.2.3 Approved Technical Manual:** which lists all Loudspeaker components and parts & describes procedures for assembling those different components in both paper and digital format (CD or DVD).

**3.1.2.4 Material Safety Data Sheets** – for all hazardous materials in both paper and digital format (CD or DVD).

### **3.1.3 Training- Familiarization – English**

**3.1.3.1** The Contractor ***must*** supply a familiarization course in English, at a destination in Canada (to be decided by the TA), optimized for operators and technicians.

**3.1.3.2** The contractor ***must*** supply all teaching materials, including class handouts and additional materials.

#### **3.1.3.3 Curriculum**

**3.1.3.3.1** The familiarization course ***must*** include Operation and Technician (i.e., Maintenance) segments;

**3.1.3.3.2** The operator's familiarization segment ***must*** include safety precautions to be observed while operating and servicing the Loudspeaker System and its components - operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures;

**3.1.3.3.3** The Operator's familiarization ***must*** include sub-systems, if any; and

**3.1.3.3.4** The Technician's familiarization ***must*** include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).

**3.1.3.3.5** The familiarization course ***must*** have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians;

**3.1.3.3.6** The familiarization course ***must*** accommodate between eight (8) to twelve (12) personnel; four (4) operators and four (4) technicians or six (6) operators and six (6) technicians;

**3.1.3.3.7** The date for the familiarization course ***must*** be arranged with the TA or the identified user or designated contact person for vehicles/equipment shipped for users other than DND;

**3.1.3.3.8** After completion of the familiarization course, the Contractor ***must obtain*** "PROOF OF FAMILIARIZATION" certificate

signed by the senior course attendee. The TA will supply the “PROOF OF FAMILIARIZATION” document template in a digital format; and

**3.1.3.4 Optional Training:** Within two (2) years after Contract Award, the Contractor *must* provide up to two (2) days of training at a Canadian Forces Base. Training dates will be coordinated between the TA and the Contractor.

### **3.2 Extended Warranty**

- 3.2.1** The Contractor *must* provide a 24 month extended warranty.
- 3.2.2** Line Replaceable Units and facilities to make all necessary repairs to the Loudspeaker system *must* observe an 8-week turn-around-time.
- 3.2.3** The assemblies and sub-assemblies to be sent by DND to the Contractor under Extended Warranty will transit through either 25 Canadian Forces Supply Depot (25 CFSD). The Contractor *must* be responsible for transportation of assemblies and sub-assemblies to and from 25 CFSD.
- 3.2.4** The Contractor *must* return to DND all Loudspeaker system assemblies and sub-assemblies from Warranty repair in a serviceable condition and in the same part number configuration, unless otherwise authorized in writing by the TA.

### **3.3 Post Contract Award Teleconference & Status Reports**

- 3.3.1** A Post Contract Award Teleconference, between PSPC, DND & the Contractor, *must* be held within 1 week of contract award. That teleconference *must* be organized by the Contractor, who *must* record the minutes & *must* forward them to all attendees.
- 3.3.2** Bi-weekly Status reports *must* be submitted by the Contractor to the Technical & Procurement Authorities at DND identifying issues that impact negatively on the contract delivery schedule.

#### 4. TECHNICAL & ILS REQUIREMENTS DELIVERY SCHEDULE

No.	Deliverable	Source (Para)	Format	Due Date ( in Weeks after Contract Award)
<b>TECHNICAL REQUIREMENTS</b>				
1	First Article Acceptance Test 2 MPLS & 2 VMLS	2.4	Fully Assembled	4
2	48 MPLS	Per Contract	Fully Assembled	8
3	28 VMLS	Per Contract	Fully Assembled	8
4	Data for Catalogue & Inventory purposes for each configuration	2.8	PDF + paper copy	6
<b>ILS REQUIREMENTS ( FOR EACH CONFIGURATION)</b>				
5	Post Contract Award Teleconference & Minutes	3.3.1	Soft copy	1
6	Status Reports	3.3.2	Soft copy	Bi-Weekly
7	Data Summary	3.1.1.1	PDF	8
8	Operator Manual - For approval	3.1.1.2	PDF + paper copy	8
9	Technical Manual- For approval	3.1.1.2	PDF + paper copy	8
10	Operator Manual – Final	3.1.1.2	PDF + paper copy	8
11	Technical Manual – Final	3.1.1.2	PDF + paper copy	8
12	Warranty Letter - For approval	3.1.1.3	PDF + paper copy	8
13	Warranty Letter - Final	3.1.2.2	PDF + paper copy	8
14	Initial Parts Kit List	3.1.1.4	PDF	8
15	Material Safety Data Sheets	3.1.1.5	PDF + paper copy	8
16	Training Plan – For approval	3.1.1.6	PDF	8
17	Training Plan – Final	3.1.3.3	PDF	8
18	Familiarization Course Delivery	3.1.3.3.8	Instructor Led	TBD
19	Optional Training	3.1.3.4	Instructor Led	TBD
20	Extended Warranty	3.2.1	As required	104

## ANNEX B - TECHNICAL BID EVALUATION CRITERIA

19 October 2017



### NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

### AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées.

## TECHNICAL BID EVALUATION CRITERIA

The Bidder is required to identify how the bid responds to the Purchase Description requirements by completing the Attached 2 Tables.

## BIDDER INFORMATION

<b>Bidder Name :</b>		<b>Proposal Date:</b>	
<b>Submitted by Name:</b>		<b>Position:</b>	<b>Signature:</b>

**1 COMPLIANCE TO MANDATORY TECHNICAL PERFORMANCE CRITERIA**

- 1.1 Bidders ***must*** demonstrate their compliance with all Mandatory Technical Performance Criteria set out in Table 1 below by providing Substantial Information describing completely and in detail how each requirement is met or addressed. Simply repeating the statement contained in the bid solicitation is not sufficient.
- 1.2 The Bidder ***should*** indicate where the required information in Table 1 can be found in the Bid and reference the relevant Document in the Bid, the Page # & the Section #.



**Table 1: Mandatory Technical Performance Criteria: Proof of Compliance**

#	Mandatory Technical Performance Requirements	Config 1 MPLS		Config. 2 VMLS	
		Supporting Bid Document & Page #	Met per Bid	Supporting Bid Document & Page #	Met per Bid
<b>M 1</b>	<b>Power Requirement</b> <i>Must</i> operate and/or be recharged on 110/220, 50/60 Hz VAC and 12/24 VDC				
<b>M 2</b>	<b>Initial powered-On</b> <i>Must</i> perform as specified, when initially powered-on in no more than Config 1: 15 Minutes Config 2: 2 minutes				
<b>M 3</b>	<b>Battery operation <i>Must</i>:</b>				
<b>M3A</b>	Be designed with user replaceable batteries as alternate power source;				
<b>M3B</b>	Have a battery charge level indicator;				
<b>M3C</b>	Adaptable to use military 2590 battery; and				
<b>M3D</b>	Broadcast for a continuous 30 minutes on internal batteries before requiring to be recharged.				

#	Mandatory Technical Performance Requirements	Config 1 MPLS		Config. 2 VMLS	
		Supporting Bid Document & Page #	Met per Bid	Supporting Bid Document & Page #	Met per Bid
M 4	<b>Environmental Temperature</b> <i>Must</i> operate at environmental temperature from -30oC to 49oC.				
M 5	<b>Rain</b> <i>Must</i> be tested against MIL STD 810 G – Test Method 506.5 – Rain Procedure I – Rain and blowing rain (or equivalent). Proof of compliance from test report.				
M 6	<b>Audio Input</b> <i>Must</i> allow connection to any audio device (media player, computer, audio mixer, etc.) through a headphone jack and XLR connector.				
M 7	<b>Microphone</b> <i>Must</i> include a microphone for usage on the go.				
M 8	<b>Magnetic Mount</b> <i>Must</i> be designed and built to be mounted on military vehicles with magnetic mount	NOT APPLICABLE			
M 9	<b>Tripod</b> <i>Must</i> be designed and built for installation on a tripod	NOT APPLICABLE			
M 10	<b>Storage</b> <i>Must</i> be stored in individual ruggedized case for storage.				

#	Mandatory Technical Performance Requirements	Config 1 MPLS		Config. 2 VMLS	
		Supporting Bid Document & Page #	Met per Bid	Supporting Bid Document & Page #	Met per Bid
M 11	<b>Clear broadcast range</b> <i>Must</i> broadcast clear vocal communication to a target at no less than Config 1: 300 Meters Config 2: 800 Meters				
M 12	<b>Sound broadcast range</b> <i>Must</i> broadcast siren, alarm, non-speech audio to a target at no less than Config 2 : 1200 Meters	NOT APPLICABLE			
M 13	<b>Cone of sound</b> <i>Must</i> broadcast directionally no less than from the origin Config 1 : 15 Degrees Config 2: 25 Degrees				
M 14	<b>Directional</b> <i>Must</i> broadcast at target through an arc of 360 degrees, independent of the vehicle or tripod, and adjustable in pitch	NOT APPLICABLE			
M 15	<b>Weight</b> <i>Must</i> not exceed in total weight (including internal batteries required for operation) Config 1: 10 Kg Config 2: 15 Kg				

#	Mandatory Technical Performance Requirements	Config 1 MPLS		Config 2 VMLS	
		Supporting Bid Document & Page #	Met per Bid	Supporting Bid Document & Page #	Met per Bid
M 16	<b>Remote operation</b> <i>Must</i> be capable of remote operation at no less than: <ul style="list-style-type: none"> <li>• Config 1: Wired: 50 Meters</li> <li>• Config 1: Wireless: 200 Meters</li> </ul>			NOT APPLICABLE	
M 17	<b>Portability</b> <i>Must</i> be transportable by one person, to include a carrying case to contain the loudspeaker. The carrying case must utilize a molly system with adjustable shoulder straps. Dimensions are limited to the size of the speaker.			NOT APPLICABLE	
M 18	<b>Transportability</b> <i>Must</i> <ul style="list-style-type: none"> <li>• be transportable by not more than two (2) persons</li> <li>• not exceed a maximum weight 102 Lbs.</li> </ul>	NOT APPLICABLE			
M 19	<b>Spatial Volume</b> <i>Must</i> have a spatial volume of no more than 0,032m3.			NOT APPLICABLE	
M 20	<b>Setup Time</b> VMLS set-up <i>must</i> utilize no more than 2 soldiers for no longer than 45 minutes using an automated source such as a media player or laptop.	NOT APPLICABLE			

## 2. RATED CRITERIA FOR DESIRABLE TECHNICAL PERFORMANCE REQUIREMENTS

- 2.1 Bids that satisfy all of the mandatory technical criteria in Table 1 will be further evaluated & rated per Table 2 below.
- 2.2 The Bidder must provide documented substantiation that sufficiently supports claims of compliance with each criterion.
- 2.3 Desired Technical Performance Requirements, as rated during the Bid Evaluation, will become Mandatory Technical Performance Requirements for the Contract.

**Table 2: Rated Criteria for Desirable Technical Performance Requirements**

Desirable Technical Performance Requirements						
R1	Battery operation (Maximum 20 points)					
	Should support Broadcast for a continuous 120 Minutes at full volume on internal batteries before requiring to be recharged while respecting mandatory broadcast range.					
	SCORING: Up to 10 points will be awarded for each configuration as follows:					
	Points	Minutes	Proof of Compliance Per Bidder: Supporting document & page		Points Awarded*	
			Config 1: MPLS	Config 2: VMLS	Config 1: MPLS	Config 2: VMLS
10	120+					
8	90-119					
5	60-89					
2	30-59					

\* = To be completed by DND

**R2**

**Clear Vocal Communication Range (Maximum 15 points)**

*Should* broadcast clear vocal communication to a target at up to 600+ meters (Config 1) and 1500+ Meters (Config 2).

**SCORING:** Up to 15 points will be awarded for each configuration as follows:

**Config 1: MPLS**

Points	Target At (in Meters)	<u>Proof of Compliance Per Bidder: Supporting document &amp; page</u>	Points Awarded*
15	600+		
10	450-599		
5	300-449		

**Config 2: VMLS**

Points	Target At (In Meters)	<u>Proof of Compliance Per Bidder: Supporting document &amp; page</u>	Points Awarded*
15	1500+		
12	1000-1499		
9	800-1000		

\* = To be completed by DND

R3	<p><b>Sound broadcast range (Maximum 15 points)</b></p> <p><i>Should</i> broadcast siren, alarm, non-speech audio to a target at 2500 Meters (Config 2).</p> <p><b><u>SCORING:</u></b> Up to 15 points will be awarded for Configuration 2 as follows:</p> <table><tr><th>Points</th><th>Target At (In Meters)</th><th><b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b></th><th><b><u>. Points Awarded*</u></b></th></tr><tr><td>15</td><td>2500+</td><td></td><td></td></tr><tr><td>12</td><td>2000-2499</td><td></td><td></td></tr><tr><td>9</td><td>1600-1999</td><td></td><td></td></tr><tr><td>5</td><td>1200-1599</td><td></td><td></td></tr></table> <p><b>* = To be completed by DND</b></p>	Points	Target At (In Meters)	<b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b>	<b><u>. Points Awarded*</u></b>	15	2500+			12	2000-2499			9	1600-1999			5	1200-1599		
Points	Target At (In Meters)	<b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b>	<b><u>. Points Awarded*</u></b>																		
15	2500+																				
12	2000-2499																				
9	1600-1999																				
5	1200-1599																				
R4	<p><b>Cone of Sound (Maximum 10 points)</b></p> <p><i>Should</i> broadcast directionally from the origin up to 25+ degrees (Config 1) and 35+ Degrees ( Config 2)</p> <p><b><u>SCORING:</u></b> Up to 10 points will be awarded for each Configuration as follows:</p> <p style="text-align: center;"><b><u>Config 1: MPLS</u></b></p> <table><tr><th>Points</th><th>No less than from the origin (in Degrees)</th><th><b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b></th><th><b><u>. Points Awarded*</u></b></th></tr><tr><td>10</td><td>25+</td><td></td><td></td></tr><tr><td>8</td><td>20-25</td><td></td><td></td></tr><tr><td>6</td><td>15-19</td><td></td><td></td></tr></table>	Points	No less than from the origin (in Degrees)	<b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b>	<b><u>. Points Awarded*</u></b>	10	25+			8	20-25			6	15-19						
Points	No less than from the origin (in Degrees)	<b><u>Proof of Compliance Per Bidder:</u></b> <b><u>Supporting document &amp; page</u></b>	<b><u>. Points Awarded*</u></b>																		
10	25+																				
8	20-25																				
6	15-19																				

**Config 2 : VMLS**

Points	No less than from the origin (in Degrees)	<u>Proof of Compliance Per Bidder:</u> Supporting document & page	Points Awarded*
10	35+		
8	30-35		
6	25-29		

\* = To be completed by DND

**R5**

**Weight (including batteries required for operation) (Maximum 15 points)**

*Should* not exceed in total weigh 10 Kg for Config 1 : MPLS.

**SCORING:** Up to 15 points will be awarded as follows:

Points	Weight (in Kg)	<u>Proof of Compliance Per Bidder:</u> Supporting document & page	. Points Awarded*
15	Less than 7		
12	7 to 8		
8	8.1 to 9		
4	9.1 to 10		

\* = To be completed by DND