

**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**

<b>Title - Sujet</b> LIGHT MACHINE GUNS	
<b>Solicitation No. - N° de l'invitation</b> W6399-12DC57/B	<b>Date</b> 2015-06-04
<b>Client Reference No. - N° de référence du client</b> W6399-12DC57	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BM-015-25188	
<b>File No. - N° de dossier</b> 015bm.W6399-12DC57	<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 2015-07-16</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b>	
<b>Plant-Usine:</b> <input checked="" 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> Cadotte (bm div), John	<b>Buyer Id - Id de l'acheteur</b> 015bm
<b>Telephone No. - N° de téléphone</b> (819) 956-0218 ( )	<b>FAX No. - N° de FAX</b> (819) 956-5650
<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**

**Vendor/Firm Name and Address**

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

**Issuing Office - Bureau de distribution**

Weapons Systems Division/Division des systèmes d'arme  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

<b>Delivery Required - Livraison exigée</b> See Herein	<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## **PART 1 - GENERAL INFORMATION**

### **1.1 INTRODUCTION**

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Technical and Performance Specifications for the Light Machine Gun, the Bid Evaluation Process for the Light Machine Gun, the Statement of Work for the Light Machine Gun (DND Verification Trials), the Department of National Defence (DND) Verifications and Trials for the Light Machine Gun, the Statement of Work (Phase Two) for the Light Machine Gun, the Statement of Work (Standing Offer Agreement) for the Light Machine Gun, the Basis of Payment, the Bid Solicitation - Federal Contractors Program for Employment Equity – Certification and any other annexes.

### **1.2 SUMMARY**

The Department of National Defence (DND) has a requirement for the provision of commercial-off-the-shelf 7.62 mm - Light Machine Gun detailed under Part 7, article 7.1, of the bid solicitation.

As per the Integrity Provisions under section 01 of Standard Instructions [2003](#), bidders must provide a list of all owners and/or Directors and other associated information as required. Refer to section [4.21](#) of the Supply Manual for additional information on the Integrity Provisions.

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

This procurement is subject to the Controlled Goods Program. The [Defence production Act](#) defines Canadian Controlled Goods as certain goods listed in Canada's Export Control List, a regulation made pursuant to the Export and Import Permits Act (EIPA).

The Federal Contractors Program (FCP) for employment equity applies to this procurement; see Part 5 - Certifications, Part 7 - Resulting Contract Clauses and the annex titled [Federal Contractors Program for Employment Equity - Certification](#).

### **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.

## **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](#) (2014-09-25) 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: 365 days

#### **2.1.1 SACC Manual Clauses**

[B3000T](#) (2006-06-16), Equivalent Products  
[B1000T](#) (2014-06-26), Condition of Materiel – Bid

### **2.2 SUBMISSION OF BIDS**

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

### **2.3 FORMER PUBLIC SERVANT**

N/A

### **2.4 ENQUIRIES - BID SOLICITATION**

All enquiries must be submitted in writing to the Contracting Authority no later than 7 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

### **2.5 APPLICABLE LAWS**

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

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

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 BID PREPARATION INSTRUCTIONS**

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

- Section I: Technical and Management Bid ( 3 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 demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

### **Section I: Management Bid**

In their management bid, bidders must describe their capability and experience, the project management team and provide client contact(s).

### **Section II: Financial Bid**

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

### **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 EVALUATION PROCEDURES**

(a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical, management and financial evaluation criteria.

(b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation (For items 001 – 004)**

Mandatory technical evaluation criteria are included in para 2.2 of Annex A and in Annex B.

#### **4.1.2 Technical Evaluation (For items 005 – 010)**

Mandatory and point rated technical evaluation criteria are included in Annexes A, B, C and D.

#### **4.1.3 Management Evaluation**

##### **4.1.3.1 Mandatory Management Criteria**

Mandatory management criteria are identified in paragraph 2.1 of Annex A and Annex B.

#### **4.1.4 Financial Evaluation**

##### **4.1.4.1 Mandatory Financial Criteria**

1. The price of the bid will be evaluated as follows:

(a) Canadian-based bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.

(b) foreign-based bidders must submit firm prices, Canadian customs duties, excise taxes and Applicable Taxes excluded. Canadian customs duties and excise taxes payable by Canada will be added, for evaluation purposes only, to the prices submitted by foreign-based bidders.

2. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

3. Although Canada reserves the right to award the Contract either on an FOB plant or FOB destination, Canada requests that bidders provide prices FOB their plant or shipping point and FOB destination. Bids will be assessed on an FOB destination basis.

4. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

## **4.2 BASIS OF SELECTION**

### **4.2.1 For items 001 – 004 detailed in Annex G – Basis of Payment**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria identified in paragraphs 2.2 of Annex A and Annex B, to be declared responsive. The five (5) responsive bids with the lowest evaluated price will be recommended for award of a contract. The Crown reserves the right to award additional contract(s) for items 001 – 004 detailed in Annex G – Basis of Payment, to bidders who have complied with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria identified in paragraphs 2.2 of Annex A and Annex B, on a case by case basis.

### **4.2.2 For items 005 - 009 detailed in Annex G – Basis of Payment**

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

## **PART 5 - CERTIFICATIONS**

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

### **5.1 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD**

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame specified will render the bid non-responsive.

#### **5.1.1 Integrity Provisions - Associated Information**

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

#### **5.1.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](#)" list

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([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [Employment and Social Development Canada \(ESDC\) - Labour's website](#).

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 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **6.1 SECURITY REQUIREMENTS**

N/A

### **6.2 FINANCIAL CAPABILITY**

N/A

### **6.3 BID FINANCIAL SECURITY**

N/A

### **6.4 CONTROLLED GOODS REQUIREMENT**

SACC Manual clause [A9130T](#) (2014-11-27) Controlled Goods Program

## **PART 7 - RESULTING CONTRACT CLAUSES**

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

### **7.1 STATEMENT OF WORK**

The Contractor must perform the Work in accordance with the Statement of Work at Annex "E" and the Contractor's technical bid entitled \_\_\_\_\_, dated \_\_\_\_\_.

#### **7.1.1 Optional Goods and/or Services**

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

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

### **7.2 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.

#### **7.2.1 General Conditions**

[2030](#) (2014-09-25), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

### **7.3 SECURITY REQUIREMENTS**

N/A

### **7.4 TERM OF CONTRACT**

#### **7.4.1 Delivery Date for items 001 – 004 detailed in Annex G – Basis of Payment**

All the deliverables must be received on or before 20 weeks from the date of contract award.

#### **7.4.2 Delivery Date for items 005 - 009 detailed in Annex G – Basis of Payment**

All the deliverables must be received on or before \_\_\_\_\_ (*insert date*).

### **7.5 AUTHORITIES**

#### **7.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: [John Cadotte](#)

Title: Supply Team Leader

Public Works and Government Services Canada

Acquisitions Branch

Directorate: Electronics, Munitions and Tactical Systems Procurement Directorate

Address: Place du Portage, Phase III, 8C2

11 Laurier Street

Gatineau, Quebec K1A 0S5

Telephone: 819-956-0218

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Facsimile: 819-956-5650  
E-mail address: john.cadotte@pwgsc.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.

### **7.5.2 Project Authority**

The Project Authority for the Contract is:

Name: TBD  
National Defence Headquarters  
MGen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2  
Canada  
Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
E-mail address: \_\_\_\_\_

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

### **7.5.3 Contractor's Representative**

<b><u>General Enquiries</u></b>	<b><u>Delivery Follow-up</u></b>
Name: _____	Name: _____
Telephone No. _____	Telephone No. _____
Facsimile No. _____	Facsimile No. _____
E-mail address: _____	E-mail address: _____

### **7.6 PROACTIVE DISCLOSURE OF CONTRACTS WITH FORMER PUBLIC SERVANTS**

N/A

### **7.7 PAYMENT**

#### **7.7.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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.

#### **7.7.2 Limitation of Price**

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

### **7.7.3 Multiple Payments**

SACC Manual clause [H1001C](#) (2008-05-12), Multiple Payments

### **7.7.4 SACC Manual Clauses**

[C2000C](#) (2007-11-30), Taxes - Foreign Based Contractors

[H4500C](#) (2010-01-11), Lien - Section 427 of the Bank Act

## **7.8 INVOICING INSTRUCTIONS**

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

2. Invoices must be distributed as follows:

(a) The original and one (1) copy must be forwarded to the following address for certification and payment.

National Defence Headquarters  
Mgen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON. K1A 0K2  
Attention: TBD

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

(c) One (1) copy must be forwarded to the consignee.

## **7.9 CERTIFICATIONS**

### **7.9.1 Compliance**

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated 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 associated 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.

### **7.9.2 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.

## **7.10 APPLICABLE LAWS**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_Ontario, Canada\_\_.

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### **7.11 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 [2030](#) (2014-09-25), Higher Complexity – Goods;
- (c) Annex A, Technical and Performance Specifications for the Light Machine Gun;
- (d) Annex B, Bid Evaluation Process for the Light Machine Gun;
- (e) Annex C, Statement of Work for the Light Machine Gun (DND Verification Trials);
- (f) Annex D, DND Verifications and Trials for the Light Machine Gun;
- (g) Annex E, Statement of Work (Phase Two) for the Light Machine Gun;
- (h) Annex F, Statement of Work (Standing Offer Requirement) for the Light Machine Gun;
- (i) Annex G, Basis of Payment;
- (j) Annex H, Federal Contractors Program for Employment Equity - Certification (*if applicable*);
- (k) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award.*"), as clarified on \_\_\_\_\_ " **or** ", as amended on \_\_\_\_\_ " **and** insert date(s) of clarification(s) or amendment(s)).

### **7.12 DEFENCE CONTRACT**

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

### **7.13 FOREIGN NATIONALS (CANADIAN CONTRACTOR **OR** FOREIGN CONTRACTOR)**

N/A

### **7.14 INSURANCE**

SACC Manual clause [G1005C](#) (2008-05-12) Insurance

### **7.15 CONTROLLED GOODS PROGRAM**

SACC Manual clause [A9131C](#) (2014-11-27), Controlled Goods Program

### **7.16 LIMITATION OF LIABILITY**

N/A

### **7.17 FINANCIAL SECURITY DEFINITION**

N/A

### **7.18 SACC MANUAL CLAUSES**

[D9002C](#) (2007-11-30), Incomplete Assemblies

[C2800C](#) (2013-01-28), Priority Rating

[C2801C](#) (2014-11-27), Priority Rating - Canadian-based Contractors

[D6010C](#) (2007-11-30), Palletization

[D5545C](#) (2010-08-16), ISO 9001:2008 - Quality Management Systems - Requirements (QAC C)

[B4060C](#) (2011-05-16), Controlled Goods

[A1009C](#) (2008-05-12), Work Site Access

### **7.19 SHIPPING INSTRUCTIONS**

FOB Destination (DND depot within 250 KM of Ottawa, Ontario, Canada) including all delivery charges and customs duties and taxes.

### **7.20 CUSTOMS DUTIES - CONTRACTOR IMPORTER**

1. As the goods to be supplied under the Contract are defence supplies, customs duties on importation to Canada may be remitted under the Tariff Item Number 9982.00.00 of the Schedule to the Customs Tariff.

Solicitation No. - N° de l'invitation  
W6399-12DC57/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur  
015bm

Client Ref. No. - N° de réf. du client  
W6399-12DC57

File No. - N° du dossier  
015bmW6399-12DC57

CCC No./N° CCC - FMS No./N° VME

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2. Remission of customs duties payable may be granted under the Tariff Item Number 9982.00.00 when the total contract value of the defence supplies is C\$250,000 or more. This reflects the import value of the goods plus the duty that would be applicable in the absence of the Customs Tariff.

3. The Contractor will be responsible for prearranging remission on importation or for paying customs duties on importation and applying to Canada Border Services Agency for a refund.

#### **7.21 PREPARATION FOR DELIVERY**

The Contractor must prepare item(s) \_001-008\_ for delivery in accordance with the latest issue of the Canadian Forces packaging specifications D-LM-008-027/SF-001, Small Arms Weapons.

The Contractor must prepare item number(s) \_001-008\_ 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 item number(s) \_001-008\_ in quantities of \_1\_ by Package.

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## ANNEX "A" - TECHNICAL AND PERFORMANCE SPECIFICATIONS FOR THE LIGHT MACHINE GUN

### 1.0 SCOPE

This specification defines the technical and performance requirements for the Light Machine Gun (LMG).

#### 1.1 Applicable Documents

The following documents form part of this specification to the extent specified herein, and are supportive of the specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced herein and the contents of the specification, then the contents of the specification shall take precedence.

- MIL-STD-810G - Test Method Standard for Environmental Engineering Considerations and Laboratory Tests (www.everyspec.com))
- STANAG 2329 – Links for Disintegrating Belts for Use With NATO 7.62 mm Cartridges (included with RFP)
- STANAG 4694 - NATO Accessory Rail (included with RFP)

#### 1.2 Definitions

Minimum Effective Range	The minimum range that the weapon can be fired with a reasonable certainty that it will hit the intended target.
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#### 1.3 Acronyms

FPS	Feet Per Second
LMG	Light Machine Gun
NATO	North Atlantic Treaties Organization

### 2.0 REQUIREMENTS

#### 2.1 Corporate Requirements

The following applies:

- (b) The Bidder shall be an established weapon manufacturer (or authorized distributor) that has been in the business of developing, manufacturing and/or selling machine guns for a minimum of five (5) years; and
- (c) The LMG shall be a proven technology that is in service with a law enforcement organization or national military service.

#### 2.2 Light Machine Gun (LMG)

The requirements for the LMG are given in the following sections.

##### 2.2.1 Design/Environmental

The LMG shall:

- (a) Have a minimum receiver life of 100,000 rounds; and

- (b) Operate in MIL-STD-810G Climatic Conditions A1, A2, A3, B1, B2, B3, C1 and C2 including exposure to environmental conditions ranging from abrasive sand of the desert to the brittle arctic cold and corrosive salt of the ocean.

### 2.2.2 Performance

The LMG shall:

- (a) Be a fully automatic, gas operated machine gun that is designed for prolonged use by the operator in a combat environment without overheating under sustained fire;
- (b) Have a muzzle velocity greater than 720 m/s (2362 FPS);
- (c) Have a minimum effective range of 800 m (872 yds); and
- (d) Have a minimum firing rate of 600 rounds per minute.

### 2.2.3 General Design

The LMG shall:

- (a) Have a maximum weight with empty magazine, flash hider and bipod (without optic) of 9 kg (20 pounds);
- (b) Have overall dimensions as follows:
  - i. Maximum overall length of 103 cm (40.5 inches);
  - ii. Standard barrel with a maximum length of 51 cm (20 inches) including the flash hider and barrel extension; and
  - iii. Secondary barrel (optional) with a maximum length of 41 cm (16 inches) including flash hider and barrel extension;
- (c) Be capable of firing standard NATO 7.62 x 51 mm ammunition;
- (d) Use disintegrating links in accordance with STANAG 2329;
- (e) Be capable of being mounted into a Universal Gun Mount and any NATO Standard Machinegun Mount; and
- (f) Be left hand belt fed;

### 2.2.4 Features

The LMG shall:

- (a) Have a safety mechanism as follows:
  - i. Manually operated by the operator;
  - ii. Capable of being checked by both sight and touch;
  - iii. Movable between the safe and fire positions by the operator without moving his hands from the shooting position (prone, standing, kneeling, or sitting);
  - iv. Prevents the weapon from being fired when:
    - a. The trigger is depressed with the safety in the "SAFE" position; and
    - b. The selector is changed to "fire" without depressing the trigger;
  - v. Remains in the position the operator sets it until it is manually changed; and
  - vi. Incorporates a mechanical safety that prevents:
    - a. Cook-off;
    - b. Run-away; and
    - c. The cartridge from being fired until the bolt is fully closed and locked;

- (b) Have a cocking (charging) handle that does not move with the bolt during firing;
- (c) Have a trigger mechanism as follows:
  - i. Returns to its normal forward position upon release after partial or complete trigger pull; and
  - ii. Has a pull force between 2.7 kg (6 pounds) and 5.5 kg (12 pounds);
- (d) Have a removable fixed or telescopic butt with an integrated recoil mitigation system;
- (e) Have removable quick-change barrels as follows:
  - i. A removable flash hider; and
  - ii. An integrated carrying handle;
- (f) Have a front post sight as far forward as possible (fixed or folding), and a rear aperture sight on the top of the feed cover with mechanical range and azimuth adjustment;
- (g) Have NATO Accessory Rail (STANAG 4694) mounts as follows:
  - i. Feed cover (top); and
  - ii. A tri-rail (bottom and both sides) on the forward stock or directly attached to the front of the receiver;
- (h) Have a push-pin type sling mount on the top rear portion of the receiver;
- (i) Have a forward folding bi-pod on the forward end of the receiver;
- (j) Have a vertical grip on the forward stock;
- (k) Have a finish as follows:
  - i. A non-reflective matte black protective finish (in accordance with the manufacturer's specifications) to the extent necessary to provide protection during field usage against corrosion; and
  - ii. Incorporates self-lubricating coatings and materials that do not require grease or lubricants for the operating components;
- (l) Have barrels and receiver identified with a unique matching Serial Number as follows:
  - i. A full serial number on the receiver (e.g., 12345); and
  - ii. A shortened version on each of the two matching barrels (e.g. 345-1 and 345-2).

### **2.2.5 Accessories**

Each LMG shall have accessories as follows:

- (a) Quantity one (1) spare barrel;
- (b) Quantity one (1) ammunition soft box (100 round);
- (c) Quantity one (1) operator tool/cleaning kit; and
- (d) Quantity one (1) Operators Manual, in English.

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## ANNEX "B" - BID EVALUATION PROCESS FOR THE LIGHT MACHINE GUN

### 1.0 BID EVALUATION

The evaluation will be based upon the Bidder's experience in developing, manufacturing and/or selling machine guns and their written attestation that they can provide a Light Machine Gun (7.62 mm) that can meet all of the performance and technical specifications in Annex A. Failure to provide all of the information requested in the compliance matrix will deem the bid non-compliant. All compliant bids will be included in the next phase of the process (DND Verifications and Trials). There is no consideration for the price at this point in the evaluation process.

#### 1.1 INSTRUCTIONS

Bidders shall be assessed in accordance with the instructions and criteria as detailed within this document. The following instructions shall apply to the Bidder evaluation:

- (a) Mandatory requirements are identified by the word "shall". All mandatory requirements shall be met in order to meet compliance with the requirements; and
- (b) Documentation provided with the bid shall:
  - i. Be type written (hand written submissions will not be considered); and
  - ii. Be either hard copy or in electronic format (PDF or Word document on a disk).

### 2.0 BIDDER DOCUMENTATION

The Bidder shall provide the following documentation:

- (a) A completed Compliance Matrix including proof of compliance and Written Attestations as specified in Table 1. For the purposes of this RFP a Written Attestation is a written statement from the Bidder, signed by an authorized company representative, guaranteeing it will fully comply with the requirement identified in the "Requirement" column of Table 1. Canada reserves the right to verify the statements made in the Written Attestation;
- (b) A system brochure/literature that details the components of the system; The Bidder shall provide a brochure/literature(s) and operator/maintenance manuals that provide the details of the following (minimum):
  - i. Make;
  - ii. Model;
  - iii. Caliber;
  - iv. Barrel (length, construction, material, rifling, twist);
  - v. Trigger design;
  - vi. Safety mechanisms;
  - vii. Receiver (make, model, construction);
  - viii. Gas regulator (design and operation)
  - ix. Stock design including integrated recoil mitigation system; and
  - x. Rails.
- (c) The system Operator's Manual; and
- (d) The system Maintenance Manual.

Table 1: Compliance Matrix

Item #	Requirement	Proof of Compliance	Bid Reference
1	<p><u>Expertise</u> The Bidder shall be an established weapon manufacturer (or authorized distributor) that has been in the business of developing, manufacturing and/or selling machine guns for a minimum of five (5) years; and</p> <p><u>Proven Design</u> The LMG shall be a proven technology that is in service with a law enforcement organization or a national military service.</p>	<p>The Bidder shall provide:</p> <p>(1) Written Attestation that they shall have been in the business of developing, manufacturing and/or selling machine guns for a minimum of five (5) years. Where the Bidder is an authorized distributor, the Written Attestation must reflect the experience of the weapon manufacturer;</p> <p>AND</p> <p>(2) Contract numbers, award dates, models and quantities delivered that shows sales of one hundred (100) LMGs to a law enforcement organization or national military service. Where the Bidder is an authorized distributor, the contracts must reflect the sales of the weapon manufacturer;</p> <p>AND</p> <p>(3) Customer contact information (for purposes of verifying contract information and usage only).</p>	
2	Annex A - Performance and Technical Specifications.	The Bidder shall provide Written Attestation that the Light Machine Gun being offered is capable of meeting every aspect of the Performance and Technical Specifications detailed in Annex A.	
3	Brochures	<p>The Bidder shall provide a brochure(s) and operator/maintenance manuals that provide the details of the following (minimum):</p> <ul style="list-style-type: none"> <li>- Make</li> <li>- Model</li> <li>- Caliber</li> <li>- Barrel (length, construction, material, rifling, twist)</li> <li>- Trigger design</li> <li>- Safety mechanisms</li> <li>- Receiver (make, model, construction)</li> <li>- Gas regulator (design and operation)</li> <li>- Stock design including integrated recoil mitigation system</li> <li>- Rails</li> </ul>	

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## **ANNEX "C" - STATEMENT OF WORK FOR THE LIGHT MACHINE GUN (DND VERIFICATION TRIALS)**

### **1.0 SCOPE**

#### **1.1 Purpose**

The purpose of this statement of work is to describe the requirements for the provision of 7.62 mm Light Machine Guns (LMGs) to the Department of National Defence (DND).

#### **1.2 Background**

DND has a requirement for 7.62 mm Light Machine Guns (LMGs) to support both domestic and deployed roles where standard Canadian Forces weapons are unsuitable. This equipment will be referred to as the Light Machine Gun (LMG).

### **2.0 DELIVERABLES**

The Contractor shall deliver the following after Contract Award:

- (a) Quantity three (3) Light Machine Guns in accordance with the Technical and Performance Requirements at Annex A including the following accessories with each;
  - i. Quantity one (1) spare barrel;
  - ii. Quantity one (1) ammunition soft box (100 round);
  - iii. Quantity one (1) operator tool/cleaning kit; and
  - iv. Quantity one (1) Operators Manual, in English.
- (b) Quantity three (3) additional ammunition soft boxes (100 round); and
- (c) Gauges as follows:
  - i. Firing pin protrusion gauge;
  - ii. Headspace go/no go gauge; and
  - iii. Barrel bore straightness gauge;
- (d) Quantity one (1) LMG maintenance manual (English) in electronic format (PDF).

### **3.0 QUALITY ASSURANCE PROGRAM**

#### **3.1 Quality Assurance**

The Contractor shall:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the requirements of the ISO 9001 or equivalent quality system model during performance of this contract; and
- (b) Conduct Quality Conformance Inspections and Tests during manufacture in accordance with the Contractor's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request.

Solicitation No. - N° de l'invitation  
W6399-12DC57/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur  
015bm

Client Ref. No. - N° de réf. du client  
W6399-12DC57

File No. - N° du dossier  
015bmW6399-12DC57

CCC No./N° CCC - FMS No./N° VME

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### **3.1.1 Configuration Control**

All LMGs delivered shall:

- (a) Have the same product baseline and support interchangeability/interoperability of parts;  
and
- (b) Be in accordance with the bid proposal and not contain any components over and above that included in the quoted price.

## ANNEX "D" - DEPARTMENT OF NATIONAL DEFENCE (DND) VERIFICATIONS AND TRIALS FOR THE LIGHT MACHINE GUN

### 1.0 GENERAL

#### 1.1 Purpose

This document outlines the verification and trial process for the Light Machine Gun.

#### 1.2 Contractor Participation

The information provided in this Annex is for information purposes only. The verifications and trials will be conducted by DND without any support required from the Bidders that supply the equipment to be evaluated. The Bidders will not be permitted to witness any portion of the verifications and trials. The results will be made available to the respective Bidder upon request.

#### 1.3 Definitions

Angular Spread of Shots	The angular value of the standard deviation (depending on the distance) after the core of the bullet comes out of the barrel, measured in Minute of Angle (MOA) at the target. The lower the value the greater the hitting percentage and effect on the target.
Stoppage	A stoppage is an event during the weapon cycling process that prevents the weapon from being fired. For the purposes of this evaluation, only stoppages as a result of the weapon platform are considered, and ammunition related stoppages are not included.

### 2.0 EVALUATION

#### 2.1 Evaluation Trials

Each of the LMGs supplied by the Bidder will be subjected to the DND conducted Evaluation Trials (Appendix 1) as follows:

- (a) Compliance Verification - One (1) LMG chosen randomly from the three (3) LMGs provided by each Bidder will be assessed by DND to verify that the LMG meets the mandatory requirements in accordance with the Compliance Verification Checklist at Appendix 2. If the LMG is found to be non-compliant with any one of the mandatory technical requirements, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration;
- (b) Safety Inspection - Each LMG provided by the Bidders will be inspected and gauged to verify that it is safe to fire using the maintenance gauges provided by the Bidders. For any LMG that is deemed unsafe to fire, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration
- (c) Angular Spread of Shots (Accuracy Quantification) - DND shooters will fire the compliant LMGs to determine the Angular Spread of Shots. Each of the Bidder's LMGs will be trialed by one of the three (3) participants conducting the trials. A minimum score of 30/36 based upon the average of all participants for that weapon must be achieved or the bid will be deemed non-compliant and given no further consideration (Appendix 3); and
- (d) Proof of Concept Field Trial/ Human Factors Assessment - The compliant LMGs will then complete a trial consisting of a series of run/shoot relays requiring the participants to fire the weapons from various positions (prone, kneeling and standing) in both the

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unobstructed condition (no barricade) and the obstructed condition (with a barricade). Each of the Bidder's LMGs will be trialed by one of the three (3) participants conducting the trials. Following the trial, each participant will complete a human factor assessment designed to quantify the useability of the LMG in a combat environment (Appendix 4). A minimum score of 55/65 based upon the average of all participants for that weapon must be achieved or the bid will be deemed non-compliant and given no further consideration.

### 2.1.1 Stoppages

In addition to the above, if any of the Bidder's weapons has three (3) or more stoppages during the course of the Evaluation Trials (Excluding the Endurance trial), the bid will be deemed non-compliant and given no further consideration;

## 2.2 Endurance Trial

Compliant weapons will then be subjected to an Endurance Trial as follows:

- (a) Each weapon will fire five thousand (5000) rounds of NATO standard 7.62 mm linked ammunition;
- (b) Rounds will be fired in three-five (3-5) round bursts;
- (c) The barrel will be changed every two hundred (200) rounds;
- (d) The weapons will be cleaned/checked as follows:
  - i. Prior to commencing the endurance trial: Clean;
  - ii. Every five hundred (500) rounds: Wipe and lubricate;
  - iii. Every thousand (1000) rounds:
    - a. Clean; and
    - b. Angular Spread of Shots accuracy quantification, must achieve a score of 30/36 (or more) otherwise the weapon will be deemed non-compliant and given no further consideration;
  - iv. Upon completion of the Endurance Trial: Clean;
- (e) Oil will be added during the Endurance Trial as required.

Note: DND reserves the right to reshoot any Angular Spread of Shots if there was an anomaly in the results compared to the other Angular Spread of Shots by that weapon.

### 2.2.1 Stoppages

The weapon-related stoppages will be recorded during the Endurance Trial (stoppages related to ammunition defects or misfires will not be counted) and the outcome will be as follows:

- (a) The three (3) weapons must complete the Endurance Trial with no more than a total of ten (10) weapon-related stoppages for any single weapon; and
- (b) At any point a weapon reaches eleven (11) weapon-related stoppages, the endurance test will cease and the test will be deemed a failure.

## 2.3 Contract Award

The Bid that is found compliant with all Evaluation Trials and passes the Endurance Trial, and is the lowest cost including all mandatory and optional deliveries, will be recommended for Contract Award (Annex E). In addition, upon Contract Award, the Crown intends to enter into a Standing Offer Agreement (Annex F) with the winning Bidder for the provision of LMG spare parts.

## APPENDIX 1 EVALUATION TRIALS

### A1.1 Scope

This appendix details the evaluation trials for the Light Machine Gun (LMG).

### A1.2 Evaluation Trials

The Evaluation Trials include the following:

- (a) Compliance Verification;
- (b) Safety Inspection;
- (c) Angular Spread of Shots (Accuracy Quantification); and
- (d) Proof of Concept Field Trial/ Human Factors Assessment.

#### A1.2.1 Compliance Verification

The weapons provided by each Bidder will be assessed by the DND technical team, consisting of subject matter experts lead by the DND Technical Authority (TA) at a DND facility. One (1) weapon will be chosen at random from the three (3) weapons provided by the Bidder to be assessed against the mandatory technical requirements in the Compliance Verification Checklist at Appendix 2. The assessment will include measurement, weighing and physical examination of each component of the weapon in order to verify that the weapon meets the mandatory requirements. If the weapon is found to be non-compliant with any of the mandatory technical requirements, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration.

#### A1.2.2 Safety Inspection

Prior to firing any weapon, a complete safety inspection will be conducted by a qualified DND Weapons Technician. For any weapon that is deemed unsafe to fire, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration. The safety inspection will include the following:

- (a) Design safety and suitability assessment to include;
  - i. Firing pin protrusion (must meet gauging limits for the weapon – min/max);
  - ii. Headspace (verified with go/no go gauge); and
  - iii. Barrel bore straightness (gauge shall pass freely through the barrel);
- (b) Feed system safety (determination of the possibility of double feeding); and
- (c) Interchangeability of parts that precludes misfire due to a changed part.

#### A1.2.3 Angular Spread of Shots (Accuracy Quantification)

Weapons that are deemed safe to fire will then undergo an Angular Spread of Shots trial, conducted by DND at a DND range in Canada, as follows:

- (a) Accuracy shoots will be conducted with the weapon in the hands of a DND operator from the prone position using the iron sights provided with the weapon;
- (b) The bipod will be held in place by sand bags;
- (c) A maximum of two hundred (200) rounds will be fired by the DND operator for familiarization and zeroing adjustment;

- (d) The target will be static and be 122 cm x 122 cm (4 ft x 4 ft) at a range of 200 m (219 yds);
- (e) Each of the three (3) participants will fire one (1) target grouping of five (5) consecutive linked NATO 7.62 x 51 rounds with each of the three (3) weapons provided by each Bidder, for a total of fifteen (15) rounds per weapon;
- (f) DND reserves the right to reshoot any grouping if there was an anomaly in the grouping compared to the other groupings by that weapon;
- (g) Stoppages attributable to the weapons will be recorded; and
- (h) All grouping sizes will be determined by measuring the extreme spread interior to exterior as verified by DND, and recorded on the Angular Spread of Shots Test Sheet at Appendix 3. A minimum score of 30/36 must be achieved for each Angular Spread of Shots for all three (3) weapons or the bid will be deemed non-compliant and given no further consideration.

#### A1.2.4 Proof of Concept Field Trial/Human Factors Assessment

The aim of the Proof of Concept Field Trial is to evaluate the impact of the weapon on the soldier mobility, survivability and lethality. The trials will consider both the soldiers ability to effectively move and fire the weapon under simulated combat conditions. The trial will be conducted at a DND outdoor test firing range.

##### A1.2.4.1 Participant Assessment

There will be three (3) DND participants conducting the Proof of Concept Field trial, and each participant will conduct the trial with one (1) of the Bidder's weapons such that each of the three (3) weapons provided by the Bidder are trialed by a different participant. Each participant will provide an evaluation at the completion of the Proof of Concept Field Trial for each of the weapons trialed. The participant evaluations will be recorded on the Participant Assessment form given in Appendix 4. The score assigned to the Bidder will be the average of the three (3) individual assessments from the participants. The participants' evaluations will be captured by individual ratings of various criteria using a non-biased approach to collecting subjective perception. Participant rating will be based upon a 5-point scale (Table 1) for general task compatibility criteria which provides a clear and understandable quantification of the participants' perceptions in a controlled manner that does not rely on unbridled opinion.

Table 2: 5-Point Scale

Rating	Participant Perception
1	Completely Unacceptable
2	Reasonably Unacceptable
3	Marginal
4	Reasonably Acceptable
5	Completely Acceptable

##### A1.2.5 Trial Conduct

The participants will complete the Proof of Concept Field Trial as follows:

- (a) Each participant will wear Canadian Forces issue combat dress, boots and helmet, personal protective equipment, and a load carrying vest to hold the ammunition soft boxes required for the trial;
- (b) Weapons will be trialed in a random order of Bidders;

- (c) Additional days will be allocated in case of inclement weather that would affect the outcome of the trials;
- (d) The Target Point will have two (2) target frames that are 122 cm x 122 cm (4 ft x 4 ft) each;
- (e) A barricade will be placed at the 50 m (54.6 yd) firing point to simulate firing from behind an obstacle;
- (f) Each participant will complete the POC Relay Course as follows:
  - i. Begin at the Start Point (500 m (546 yd) from the target) with the weapon and a one hundred (100) round soft box of NATO 7.62 x 51 linked ammunition;
  - ii. Walk to the Fire Point at 400 m (437 yd) from the target, adopt the prone position and fire four (4) bursts of three (3) to five (5) rounds each into target #1;
  - iii. Run to the Fire Point at 300 m (328 yd) from the target, adopt the prone position and fire four (4) bursts of three (3) to five (5) rounds each into target #1;
  - iv. Run to the Fire Point at 200 m (218 yd) from the target, adopt the kneeling position and fire four (4) bursts of three (3) to five (5) rounds each into target #1; and
  - v. Reload a new fifty (50) round soft box of NATO 7.62 x 51 linked ammunition, then run/sprint to the Fire Point at 50 m (54.5 yd) from the target and, from behind the barricade in the standing position, fire all rounds into target #2;
- (g) Stoppages - During the course of the Evaluation Trial, including both the Angular Spread of Shots and the Proof of Concept field trials, the weapon-related stoppages that are not attributable to the ammunition will be recorded.

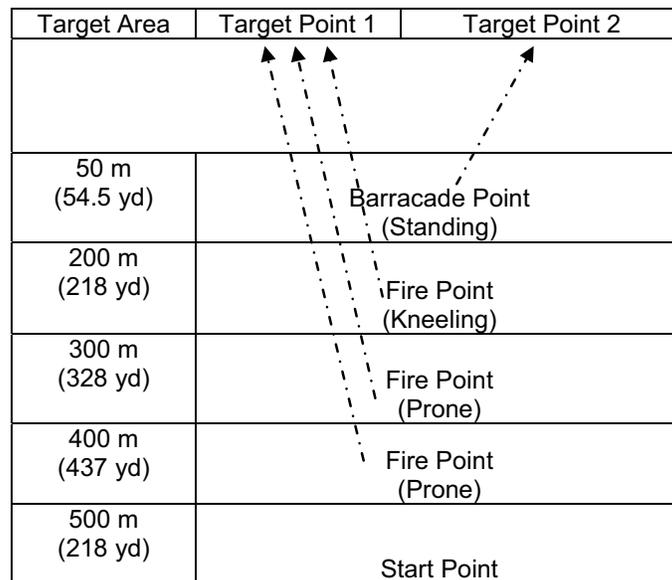


Figure 1: POC Relay Course

## APPENDIX 2 COMPLIANCE VERIFICATION CHECKLIST

All requirements are mandatory.

Item	Requirement	Compliant (Y/N)
2.2.2(a)	Be a fully automatic, gas operated machine gun that is designed for prolonged use by the operator in a combat environment without overheating under sustained fire;	
2.2.3(a)	Have a maximum weight with empty magazine, flash hider and bipod (without optic) of 9 kg (20 pounds);	
2.2.3(b)	Have overall dimensions as follows: <ul style="list-style-type: none"> <li>i. Maximum overall length of 103 cm (40.5 inches);</li> <li>ii. Standard barrel with a maximum length of 51 cm (20 inches) including the flash hider and barrel extension; and</li> <li>iii. Secondary barrel (optional) with a maximum length of 41 cm (16 inches) including flash hider and barrel extension;</li> </ul>	
2.2.3(c)	Be capable of firing standard NATO 7.62 x 51 mm ammunition;	
2.2.3(d)	Use disintegrating links in accordance with STANAG 2329;	
2.2.3(e)	Be capable of being mounted into a Universal Gun Mount and any NATO Standard Machinegun Mount; and	
2.2.3(f)	Be left hand belt fed;	
2.2.4(a)	Have a safety mechanism as follows: <ul style="list-style-type: none"> <li>i. Manually operated by the operator;</li> <li>ii. Capable of being checked by both sight and touch;</li> <li>iii. Movable between the safe and fire positions by the operator without moving his hands from the shooting position (prone, standing, kneeling, or sitting);</li> <li>iv. Prevents the weapon from being fired when: <ul style="list-style-type: none"> <li>a. The trigger is depressed with the safety in the "SAFE" position; and</li> <li>b. The selector is changed to "fire" without depressing the trigger;</li> </ul> </li> <li>v. Remains in the position the operator sets it until it is manually changed; and</li> <li>vi. Incorporates a mechanical safety that prevents: <ul style="list-style-type: none"> <li>a. Cook-off;</li> <li>b. Run-away; and</li> <li>c. The cartridge from being fired until the bolt is fully closed and locked;</li> </ul> </li> </ul>	
2.2.4 (b)	Have a cocking (charging) handle;	
2.2.4 (c)	Have a trigger mechanism as follows: <ul style="list-style-type: none"> <li>i. Returns to its normal forward position upon release after partial or complete trigger pull; and</li> <li>ii. Has a pull force between 2.7 kg (6 pounds) and 5.5 kg (12 pounds);</li> </ul>	
2.2.4 (d)	Have a removable fixed or telescopic butt with an integrated recoil mitigation system;	
2.2.4 (e)	Have removable quick-change barrels as follows: <ul style="list-style-type: none"> <li>i. A removable flash hider; and</li> <li>ii. An integrated carrying handle;</li> </ul>	
2.2.4 (f)	Have a front post sight as far forward as possible (fixed or folding), and a rear aperture sight on the top of the feed cover with mechanical	

	range and azimuth adjustment;	
2.2.4 (g)	Have NATO Accessory Rail (STANAG 4694) mounts as follows: i. Feed cover (top); and ii. A tri-rail (bottom and both sides) on the forward stock or directly attached to the front of the receiver;	
2.2.4 (h)	Have a push-pin type sling mount on the top rear portion of the receiver;	
2.2.4 (i)	Have a forward folding bi-pod on the forward end of the receiver;	
2.2.4 (j)	Have a vertical grip on the forward stock;	
2.2.4 (k)	Have a finish as follows: i. A non-reflective matte black protective finish (in accordance with the manufacturer's specifications) to the extent necessary to provide protection during field usage against corrosion; and ii. Incorporates self-lubricating coatings and materials that do not require grease or lubricants for the operating components;	
2.2.4 (l)	Have barrels and receiver identified with a unique matching Serial Number as follows: i. A full serial number on the receiver (e.g., 12345); and ii. A shortened version on each of the two matching barrels (e.g., 345-1 and 345-2).	
2.2.5	Each LMG shall have accessories as follows: (a) Quantity one (1) spare barrel; (b) Quantity one (1) ammunition soft box (100 round); (c) Quantity one (1) operator tool/cleaning kit; and (d) Quantity one (1) Operators Manual, in English.	

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### APPENDIX 3 ANGULAR SPREAD OF SHOTS TEST SHEET

The information in this Appendix is provided for completeness and the Bidder shall not fill in the tables.

LMG Serial #	1 <sup>st</sup> Grouping cm (in)	2 <sup>nd</sup> Grouping cm (in)	3 <sup>rd</sup> Grouping cm (in)	Average in cm (in)	Score
1	P1 _____	P2 _____	P3 _____	_____	_____ out of 12
2	P1 _____	P2 _____	P3 _____	_____	_____ out of 12
3	P1 _____	P2 _____	P3 _____	_____	_____ out of 12
				Sum	_____ out of 36

#### Score

Grouping (Less Than)	61 cm (24 in)	46 cm (18 in)	36 cm (14 in)	25 cm (10 in)	20 cm (8 in)
	2	3	5	9	12

#### **Stoppages**

Weapon Serial #	Stoppages

**APPENDIX 4 HUMAN FACTORS ASSESSMENT**

Bidder: \_\_\_\_\_

Weapon Serial Number: \_\_\_\_\_

Participant: \_\_\_\_\_

Stoppages: \_\_\_\_\_

Rate the following:	Compatibility Assessment					Remarks
	⊖ 1	2	☺ 3	4	☺ 5	
Weapon ease of firing in all positions.	□□□□□□□□					
Weapon loading and reloading in all positions.	□□□□□□□□					
Heat transfer from weapon to operator.	□□□□□□□□					
Effect of recoil.	□□□□□□□□					
Ease of conduct of stoppages drills	□□□□□□□□					
Butt length, shape and comfort.	□□□□□□□□					
Shape of handgrip and comfort.	□□□□□□□□					
Shape of trigger/Evenness of trigger pull	□□□□□□□□					
Size, shape, positioning, accessibility and ease of operation of safety and firing controls.	□□□□□□□□					
Ease of Barrel change	□□□□□□□□					
Ease of ammunition box change.	□□□□□□□□					
Operator maintenance (strip and clean).	□□□□□□□□					
Overall performance.	□□□□□□□□					
Total	_____ out of 65					

ASSESSMENT SCALE		
1	Completely Unacceptable	The weapon did not meet any requirements for the task and had severe limitations that would prevent the operator from completing the task.
2	Reasonably Unacceptable	The weapon met the minimal requirements for the task and had some limitations that may prevent the operator from completing the task.
3	Marginal	The weapon met some of the requirements for the task and performed in a manner that would permit the operator to complete the task with limitations on range of use.
4	Reasonably Acceptable	The weapon met most of the requirements for the task and performed well in the hands of the operator with only minor limitations.
5	Completely Acceptable	The weapon met or exceeded all requirements for the task and performed in every way expected by the operator.

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## ANNEX "E" - STATEMENT OF WORK (PHASE TWO) FOR THE LIGHT MACHINE GUN

### 1.0 SCOPE

#### 1.1 Purpose

The purpose of this document is to describe the Phase Two procurements for 7.62 mm Light Machine Guns (LMGs).

### 2.0 APPLICABLE DOCUMENTS

#### 2.1 Applicability

The following documents form part of this document to the extent specified herein, and are supportive of this document when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced herein and the contents of this document, then the contents of this document shall take precedence.

- MIL-HDBK-61A Configuration Management Guidance ([www.everyspec.com](http://www.everyspec.com))

#### 2.2 Acronyms

CM	Configuration Management
DND	Department of National Defence
ISO	International Standards Organization
LMG	Light Machine Gun
NATO	North Atlantic Treaties Organization
NSN	NATO Stock Number
PA	Procurement Authority
RMA	Return Material Authorization
TA	Technical Authority
TDP	Technical Data Package

### 3.0 DELIVERABLES

The Contractor shall deliver the following:

- (a) One hundred eighty-five (185) LMGs in accordance with the Technical and Performance Specifications at Annex A, including the following accessories with each;
  - i. Quantity one (1) spare barrel;
  - ii. Quantity one (1) ammunition soft box (100 round);
  - iii. Quantity one (1) operator tool/cleaning kit; and
  - iv. Quantity one (1) Operators Manual, in English.
- (b) An option for up to an additional one hundred eighty-five (185) LMGs in accordance with the Technical and Performance Specifications at Annex A within twenty-four (24) months of Contract Award, including the following accessories with each;
  - i. Quantity one (1) spare barrel;
  - ii. Quantity one (1) ammunition soft box (100 round);
  - iii. Quantity one (1) operator tool/cleaning kit; and
  - iv. Quantity one (1) Operators Manual, in English.
- (c) Quantity twelve (12) maintenance gauge tool kits;

- (d) An option for up to an additional twelve (12) maintenance gauge tool kits within twenty-four (24) months of Contract Award;
- (e) A Technical Data Package (TDP) as detailed in Section 3.3;
- (f) Training in accordance with Section 3.3;
- (g) A complete parts list of the LMG to be used for the follow-on Standing Offer Agreement for parts. The list is to include every component of the LMG (including complete units), maintenance gauge tool kits and special tools and test equipment required to maintain the LMG, annotated with the following for each item:
  - i. Official Item Name;
  - ii. Manufacturer Part Number;
  - iii. Price (based upon an initial five (5) year standing offer with two (2) optional two (2) year extensions);
  - iv. Volume of Item;
  - v. Weight of Item; and
  - vi. Shelf Life of Item;
- (h) A manufacturer's recommended spare parts list to support the LMG for a period of three (3) years based on an annual expected usage of up to twenty thousand (20,000) rounds per weapon per year.

### **3.1 Kickoff Meeting**

The Contractor shall hold a kickoff meeting at its facilities within two (2) weeks of Contract Award. This meeting will be used to introduce the DND project team and to discuss production timelines, Quality Assurance processes, and delivery options and locations.

### **3.2 Technical Data Package (TDP)**

The Contractor shall provide an initial TDP to DND, in English, no later than two (2) weeks prior to initial delivery of equipment (Address to be provided after contract award). The TDP package shall include:

- (a) Two (2) hard copies and one (1) electronic copy (MS Word or PDF format) of the Operators Manual. A hard copy of the Operators Manual shall also be included with each LMG delivered;
- (b) Two (2) hard copies and one (1) electronic copy (MS Word or PDF format) of the Maintenance/Repair Manual that includes a parts break-out drawing and list (suitable for ordering parts) with the following information in electronic format (MS Excel) for each item:
  - i. Official Item Name;
  - ii. Manufacturer Part Number;
  - iii. Volume of Item;
  - iv. Weight of Item; and
  - v. Shelf Life of Item.

#### **3.2.1 Reproduction/Translation Rights**

The Contractor shall provide an authorizing letter granting the Government of Canada permission to translate and print copies of the TDP, including training material, for DND internal use only.

### 3.3 Training

The Contractor shall provide a one (1) day (maximum eight (8) hours) training course, in English, as follows:

- (a) Maintenance course up to and including 3<sup>rd</sup> level for up to eight (8) DND personnel including (minimum);
  - i. Design and operation; and
  - ii. Hands on repair and maintenance;
- (b) Training to be completed within thirty (30) days of the delivery of the first ten (10) weapons; and
- (c) For each course, each candidate is to be provided with a copy of the training courses and manuals (as required) in both hard copy and in electronic format (MS Word, MS PowerPoint or PDF).
- (d) Training is to be conducted at a DND facility located no further than 250km from Ottawa Canada.

## 4.0 REQUIREMENTS

### 4.1 Quality Assurance

The Contractor shall:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the objectives of the ISO 9001 or equivalent quality system model during performance of this contract; and
- (b) Conduct Quality Conformance Inspections and Tests during manufacture in accordance with the Contractor's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request. DND reserves the right to send a representative(s) to witness production acceptance testing for all LMGs.

#### 4.1.1 Configuration Management (CM)

The Contractor shall have an established, DND verifiable, Configuration Management (CM) Program with control systems in place in accordance with MIL-HDBK-61A, and shall provide configuration identification, control and status accounting of all new and/or modified hardware and documentation. All LMGs delivered shall have the same product baseline and support interchangeability/interoperability of parts. The established product baseline shall be maintained during repair and any deviation from the baseline shall be approved in advance by the TA.

#### 4.1.2 Testing

The Contractor shall make available (upon request) for DND's review, all previous and current test results concerning the performance, reliability, maintainability, availability, environmental conditions and safety of the Light Machine Gun.

#### 4.1.3 Performance and Failure Reporting

Prior to delivery, and for the period of the contract, the Contractor shall maintain records of all equipment failures and notify DND of any and all performance related issues that would either positively or negatively impact the reliability, maintainability, availability and/or supportability of the Light Machine Gun. In support of reliability improvement, mass system failures are to be analyzed in order to determine corrective actions.

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#### **4.2 Production Performance Verification**

Prior to the delivery of any LMGs, DND reserves the right to perform a Quality Assurance Performance Verification test. If DND exercises this right the verification test will be conducted by the Contractor at their facility, the DND TA will observe and validate the testing. Production Performance Verification testing will be against a randomly selected group of weapons (maximum ten (10) weapons) from the list of serial numbers provided from delivery lot. The weapons will be fired to confirm the Angular Spread of Shots accuracy in accordance with Annex D, Appendix 1. Each of the weapons must achieve a minimum score of 30/36 and have no more than two (2) stoppages. The Contractor shall not deliver any LMG to DND locations from a delivery lot until an acceptable Production Performance Verification test has been achieved and release of the lot has been authorized by the PA. Failure of the Production Performance Verification test will result in a requirement to correct the weapon system and re-testing.

#### **4.3 Warranty**

The Contractor shall provide a warranty on the LMG against manufacturer defects and workmanship for twelve (12) months following delivery of the unit, including parts and labour, at no additional cost to DND. The warranty period for each delivery is to be based on the date the delivery is shipped from the Contractor's facilities to the DND final delivery point.

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## ANNEX "F" - STATEMENT OF WORK (STANDING OFFER AGREEMENT) FOR THE LIGHT MACHINE GUN

### 1.0 SCOPE

#### 1.1 Purpose

The purpose of this statement of work is to describe the requirements that apply to the Standing Offer for provision of Light Machine Gun (LMG) parts to the Department of National Defence (DND).

### 2.0 DELIVERABLES

The Contractor shall deliver the following as defined in the individual call-ups against the Standing Offer:

- (a) Up to 10% of initial procurement of the LMG systems per year for a period of five (5) years. DND is under no obligation to procure additional weapon systems;
- (b) LMG parts in accordance with the Parts List at Appendix 1 for a period of five (5) years; and
- (c) An option for one (1) additional four (4) year period of LMG parts in accordance with the Parts List at Appendix 1.

#### 2.1 Demand

The estimated forecasted demand is as follows:

Year 1	Year 2	Year 3	Year 4	Year 5
\$XXX	\$XXX	\$XXX	\$XXX	\$XXX

### 3.0 REQUIREMENTS

#### 3.1 Quality Assurance

The Contractor shall:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the objectives of the ISO 9001 or equivalent quality system model during performance of this contract; and
- (b) Conduct Quality Conformance Inspections and Tests during manufacture in accordance with the Contractor's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request.

##### 3.1.1 Configuration Management (CM)

The Contractor shall have an established, DND verifiable, Configuration Management (CM) Program with control systems in place in accordance with MIL-HDBK-61A, and shall provide configuration identification, control and status accounting of all new and/or modified hardware and documentation. All LMG parts delivered shall have the same product baseline and support interchangeability/interoperability of parts.

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### **3.2 Warranty**

The Contractor shall provide warranty on all parts delivered against material defects and workmanship, including parts and labor, at no additional cost to DND in accordance with the Contractor's standard warranty provisions (minimum one (1) year following delivery).

### **3.3 Call-Ups**

All demands for spare parts will be via an authorized PWGSC-TPSGC 942 Call-up. The Contractor shall not provide spare parts to the end users without a signed PWGSC-TPSGC 942 Call-up.

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**APPENDIX 1 PARTS LIST**

Part Number	Description	Price (by Year)								
		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Op Yr 1	Op Yr 2	Op Yr 3	Op Yr 4

*The parts list delivered with the Optional Procurements (Annex E) to be inserted in the above table prior to Standing Offer Award.*

**ANNEX "G" - BASIS OF PAYMENT**

**1A. FIRM REQUIREMENT (TRIALS).**

Item	Description	Qty	Estimated Unit Price	Extended Price
001	7.62 mm Light Machine Gun in accordance with Annexes A and C. Each weapon includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) spare barrel;</li> <li>- Quantity one (1) ammunition soft box (100 round);</li> <li>- Quantity one (1) operator tool/cleaning kit; and</li> <li>- Quantity one (1) Operators Manual in English.</li> </ul>	3	\$	\$
002	Additional ammunition soft boxes (100 round). As per Annex C.	3	\$	\$
003	Maintenance gauge tool kit which includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) firing pin protrusion gauge;</li> <li>- Quantity one (1) headspace go/ no go gauge; and</li> <li>- Quantity one (1) barrel bore straightness gauge.</li> </ul>	1	\$	\$
004	LMG maintenance manual (English) in electronic format (PDF). As per Annex C.	1	\$	\$
<b>Total A</b>				\$

**1B. INITIAL PROCUREMENT.**

Item	Description	Qty	Estimated Unit Price	Extended Price
005	7.62 mm Light Machine Gun in accordance with Annexes A and C. Each weapon includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) spare barrel;</li> <li>- Quantity one (1) ammunition soft box (100 round);</li> <li>- Quantity one (1) operator tool/cleaning kit; and</li> <li>- Quantity one (1) Operators Manual in English.</li> </ul>	185	\$	\$

006	Maintenance gauge tool kit which includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) firing pin protrusion gauge;</li> <li>- Quantity one (1) headspace go/ no go gauge; and</li> <li>- Quantity one (1) barrel bore straightness gauge.</li> </ul>	12	\$	\$
007	Technical Data Package (TDP) in accordance with Section 3.2 of Annex E.	1	\$	\$
008	Training in accordance with Section 3.3 of Annex E.	1	\$	\$
<b>Total B</b>				\$

**1C. OPTIONAL PROCUREMENT. To be purchased within twenty-four (24) months of Contract Award.**

Item	Description	Qty	Estimated Unit Price	Extended Price
009	7.62 mm Light Machine Gun in accordance with Annexes A and C. Each weapon includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) spare barrel;</li> <li>- Quantity one (1) ammunition soft box (100 round);</li> <li>- Quantity one (1) operator tool/ cleaning kit; and</li> <li>- Quantity one (1) Operators Manual in English.</li> </ul>	185	\$	\$
010	Maintenance gauge tool kit which includes the following: <ul style="list-style-type: none"> <li>- Quantity one (1) firing pin protrusion gauge;</li> <li>- Quantity one (1) headspace go/ no go gauge; and</li> <li>- Quantity one (1) barrel bore straightness gauge.</li> </ul>	12	\$	\$
<b>Total C</b>				\$

**2. Total Evaluated Price = Total 1A + Total 1B + Total 1C = \$ \_\_\_\_\_**

**Delivery Address**

Delivery Points will be within 250 kilometers from Ottawa, Ontario Canada. Exact delivery address will be provided at Contract Award.

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## ANNEX "H" to PART 5 - BID SOLICITATION FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: \_\_\_\_\_ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

A1. The Bidder certifies having no work force in Canada.

A2. The Bidder certifies being a public sector employer.

A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.

A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

**OR**

A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

B1. The Bidder is not a Joint Venture.

**OR**

B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)