

**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 0A1 / Noyau 0A1
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

Title - Sujet LAND OPERATIONS TEMPERATE BOOTS	
Solicitation No. - N° de l'invitation W8476-113039/C	Date 2013-04-10
Client Reference No. - N° de référence du client W8476-113039	
GETS Reference No. - N° de référence de SEAG PW-\$\$PR-751-62564	
File No. - N° de dossier pr751.W8476-113039	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-05-23	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Doré, Catherine	Buyer Id - Id de l'acheteur pr751
Telephone No. - N° de téléphone (819) 956-1247 ()	FAX No. - N° de FAX (819) 956-5454
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: 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

Clothing and Textiles Division / Division des vêtements et des textiles

11 Laurier St./ 11, rue Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

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

This cancels and supersedes the previous request for proposal W8476-113039/A, dated August 11, 2011 which was due September 13, 2011 at 2 p.m.

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PART 1 - GENERAL INFORMATION**1. SECURITY REQUIREMENT**

There is no security requirement associated with the requirement.

2. REQUIREMENT

This Request for Proposal is for the provision of Land Operations Temperate Boots (LTOB), spare laces and inserts for the Department of National Defence. This procurement is divided in two phases.

Phase 1 (Trial Contracts): A maximum of three contracts will be awarded for the supply of 200 pairs of boots under each contract. These boots will be used for a User Acceptance Trial.

Phase 2 (Main Contract): Following the User Acceptance Trial result, one or two contracts (as detailed in Part 4, 2.0 Basis of Selection) will be awarded for the supply of 80,000 pairs of boots, 40,000 pairs of spare laces and 40,000 pairs of spares inserts. The Main Contract also includes one option to purchase additional maximum quantity of 70,000 pairs of boots and one option to purchase additional quantities of 40,000 pairs of spare laces and 40,000 pairs of spares inserts.

Note that a maximum of four (4) pre-award samples per Bidder will be evaluated.

The Requirement for the Trial Contracts is detailed under Article 2, Requirement, of the resulting Trial Contract clauses (Part 6-A.Trial Contract).

The Requirement for the Main Contract is detailed under Annex A of the resulting Main Contract clauses.

3. DEBRIEFINGS

After contract award, 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS**1. STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS**

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

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 (2012-11-19) 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: sixty (60) calendar days

Insert: one hundred and eighty (180) calendar days

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.

3. ENQUIRIES - BID SOLICITATION

All enquiries must be submitted in writing to the Contracting Authority no later than seven (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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

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.

5. TECHNICAL DATA AND SAMPLE

Technical data and sample (if applicable) may be viewed (by appointment only) at the following offices:

Public Works & Government Services Canada
Supply Directorate
6th floor
1550 ave D'Estimauville
Quebec, Que. G1J 0C7
TEL: 418-649-2840 or 418-649-2872
FAX: 418-648-2209

Public Works & Government Services Canada
Place Bonaventure, South-East Portal
800 de La Gauchetière Street West, 7th Floor
Montreal, Quebec H5A 1L6
TEL: 514-496-3404
FAX: 514-496-3822

Public Works & Government Services Canada
Suite 480, 33 City Centre Drive
Mississauga, Ont. L5B 2N5
TEL: 905-615-2070
FAX 905-615-2060

Public Works & Government Services Canada
Suite 100, 167 Lombard Avenue

P.O. Box 1408

Winnipeg, Manitoba R3C 2Z1

TEL: 204-983-3774

FAX: 204-983-7796

Public Works & Government Services Canada

Telus Plaza North

10025 Jasper Avenue, 5th Floor

Edmonton, AB T5J 1S6

TEL: (780) 497-3564

FAX: (780) 497-3510

Public Works & Government Services Canada

Pacific Region, SOSB, Industrial & Commercial Products

12th Floor, 800 Burrard Street

Vancouver, B.C V6Z 2V8

TEL: 604-775-7630

FAX: 604-775-7526

6. TECHNICAL DATA

Bidders who order the bid documentation from MERX will automatically receive the technical data from the Department of National Defence. If bidders do not receive the technical data, they must contact the Contracting Authority.

7. SEALED PATTERN - RETURN TO SENDER

The sealed pattern which may have been sent to you, are to be returned to the sender, if you are the unsuccessful Bidder. The sealed pattern is not to be mutilated or cut, and must be returned in the same condition as sent to the Bidder.

8. SPECIFICATIONS AND STANDARDS

8.1 United States Military Specifications and Standards

The Bidder is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defense Website, at the following address:

<http://dodssp.daps.dla.mil/>.

9. TRANSPORTATION COSTS INFORMATION

The Bidder is requested to provide the following information concerning transportation costs for the delivery of the units to destination:

- (a) shipping weight by unit; _____
- (b) number of items by unit; _____
- (c) cubic measurement by unit; _____
- (d) number of units per shipment; _____
- (e) name of shipping point; _____
- (f) recommended method of shipment and carrier _____
- (g) Unit cost per Destination WB941: \$ _____ W248A: \$ _____
- (h) Total cost \$ _____

PART 3 - BID PREPARATION INSTRUCTIONS

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> .

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.

3) Green Initiatives (for PWGSC information only)

Bidders are requested to provide details of their policies and practices in relation to the following initiatives:

- environmentally responsible manufacturing;
- environmentally responsible waste disposal;
- waste reduction;
- packaging;
- re-use strategies;
- recycling.

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-Firm unit prices in Part 6, B. Main Contract, paragraph 6. The total amount of all applicable taxes is to be shown separately, if applicable.

1.1 Exchange Rate Fluctuation

C3011T

2010/01/11

Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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, Amtek Engineering and Proxamis will evaluate the bids.

(c) If any technical informations/documentations is missing, not submitted with the bid, the Contracting Authority will inform the Bidder in writing and provide the Bidder with two (2) working days from the request to submit the missing informations/documentations. Failure to comply with the request within the specified timeframe will result in the bid being declared non-responsive.

1.1 TECHNICAL EVALUATION (TRIAL CONTRACTS)

1.1.1 STAGE I - MANDATORY TECHNICAL CRITERIA

PRE-AWARD SAMPLES AND SUPPORTING DOCUMENTATION

As part of the technical evaluation, to confirm a Bidder's capability of meeting the technical requirements, pre-award samples consisting of one (1) pair of boots in Mondopoint size 265/104 with an extra pair of laces and removables inserts, and appropriate care labelling, one (1) boot in Mondopoint size 265/104 cut in half lengthwise, toe to heel, test results and certificates of compliance (listed at Annex G) must be included with the bid.

A maximum of four (4) pre-award samples per bidder will be evaluated.

Boots and packaging must not have any identifiable markings, including stamps, hang tag, markings inside or outside of the boots. Non compliance will result in the rejection of the pre-award samples.

The Bidder must ensure that the required pre-award samples are manufactured in accordance with the technical requirement and are fully representative of the bid submitted. Rejection of the pre-award samples will result in the bid being declared non-responsive.

The samples will be evaluated for quality of workmanship and conformance to specified materials and measurements in accordance with Annex G.

The Bidder must deliver the required pre-award samples, test results and certificates of compliance at no charge to Canada and must ensure that they are received with the bid at time and place of bid closing. Failure to submit the required pre-award samples, test results and certificates of compliance within the specified time frame will result in the bid being declared non-responsive. The samples submitted by the Bidder will remain the property of Canada.

The requirement for a pre-award samples, test results and certificates of compliance will not relieve the successful bidder from submitting samples, test results and certificates of compliance as required by the contract terms or from strictly adhering to the technical requirement of this Request For Proposal and any resultant contract.

In addition to the physical examples and the test results to be provided, submissions must include a written description of the overall component, design, and manufacturing process features.

QUALITY PLAN - SOLICITATION

The Bidder must submit a Quality Plan with the bid. The Quality Plan must be in the same format that will be used after award of contract.

The Quality Plan may reference other documents. Where referenced documents do not already exist, but are required by the Quality Plan, the plan must identify them and also identify when, how and by whom they will be prepared and approved. The documents referenced in the Quality Plan must be made available when requested by Public Works and Government Services Canada or the Department of National Defence.

1.1.2 STAGE II - APPEARANCE

Stage II will be completed solely on bids deemed compliant in Stage I. Details of the appearance evaluation are included at Annex D and G.

1.1.3 STAGE III - POINT RATED TECHNICAL CRITERIA

A point rated evaluation for average weight, slip resistance and drying rate characteristics will be completed on the top five (5) boots from Stage II. Details of the point rated criteria are included at Annex D and G.

1.2 TECHNICAL EVALUATION (MAIN CONTRACT)

1.2.1 USER ACCEPTANCE TRIAL

Following the award of the Trials Contracts, the Contractor must supply 200 pairs of compliant boots within 60 calendar days from the award date. A technical evaluation will be completed in accordance with Annex H on all trial quantities. Failure to supply the 200 pairs of compliant boots within the specified time frame will result in the bid for the Main Contract being declared non-responsive.

Details of the User Acceptance Trial are included at Annex F, H and J.

1.3 FINANCIAL EVALUATION (MAIN CONTRACT)

1.3.1 MANDATORY FINANCIAL CRITERIA

- a. The Bidder must submit firm unit prices in Canadian dollars, all applicable taxes extra, DDP (Montréal, Québec and Edmonton, Alberta) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.
- b. The Bidder must submit firm unit pricing for all items and all destinations including the option. The Bidder is requested to quote firm unit pricing at no more than two decimal points.

1.3.2 SACC MANUAL CLAUSE

A9033T 2012/07/16 Financial Capability

2. BASIS OF SELECTION

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive.

2.1 TRIAL CONTRACTS

The responsive bids with the lowest cost per point will be recommended for award of a Trial Contract (up to a maximum of three contracts).

Cost will be determined by taking the arithmetic average of the sum of the unit prices for Items 1 to 6 of Annex A (30 unit prices) which will then be divided by the points obtained in the point rated technical criteria for the Trial Contracts.

If a tie were to occur, the tiebreak would be done by first choosing the boot with the highest rank in weight. If still tied, then the boot with the highest rank in average drying rate will be used. Should there still continue to be a tie, the final tiebreaker will be the unit price of the boots for the firm quantity delivered to Montreal.

Following the first trial, if all the bids are declared non-responsive, the next responsive bids with the lowest cost per point will be recommended for award of a Trial Contract (up to a maximum of two contracts).

2.2 MAIN CONTRACT

To be declared responsive, a bid must obtain a minimum User Acceptance of 60% in the trial.

If more than one responsive bid obtain 70% or more in the User Acceptance Trial and the percentage difference of the two highest responsive bids is within 10% of each other, two (2) Main Contracts will be recommended for award.

The quantity will be distributed as follows for firm and option quantities:

- 50% to each bidder, if the percentage difference is 0%;
- 55% to the Bidder with the highest percentage and the balance to the Bidder with the second highest percentage, if the percentage difference is greater than 0% up to 3%;
- 65% to the Bidder with the highest percentage and the balance to the Bidder with the second highest percentage, if the percentage difference is greater than 3% but less than 8%; or
- 75% to the Bidder with the highest percentage and the balance to the Bidder with the second highest percentage, if the percentage difference is from 8% to 10%.

In all other cases, one (1) Main Contract will be awarded. The responsive bid with the highest User Acceptance Percentage will be recommended for award of the Main Contract for 100% of the quantities.

If a tie were to occur, the tiebreaker will be the lowest unit price of the boots for the firm quantity delivered to Montreal.

3. CONTRACT FINANCIAL SECURITY

1. If this bid is accepted, the Bidder may be required to provide contract financial security, after the bid closing date and within 10 calendar days from receipt of a written request from the Contracting Authority.

(a) a security deposit as defined in clause "Security Deposit Definition" in the amount of up to ten percent (10%) of the contract price.

2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unexpired, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.

3. If Canada does not receive the required financial security within the specified period, Canada may, as its discretion, accept another offer, issue a new bid solicitation, award a contract or reject all the bids.

4. SECURITY DEPOSIT DEFINITION

1. "security deposit" means

- (a) a bill of exchange that is payable to the Receiver General for Canada, and certified by an approved financial institution or drawn by an approved financial institution on itself; or
- (b) a Government guaranteed bond; or
- (c) an irrevocable standby letter of credit, or
- (d) such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board;

2. "approved financial institution" means

- (a) any corporation or institution that is a member of the Canadian Payments Association;

- (b) a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the "Régie de l'assurance-dépôts du Québec" to the maximum permitted by law;
- (c) a credit union as defined in paragraph 137(6) the *Income Tax Act*;
- (d) a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by Canadian province or territory; or
- (e) the Canada Post Corporation.

3. "government guaranteed bond" means a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:

- (a) payable to bearer;
- (b) accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the *Domestic Bonds of Canada Regulations*;
- (c) registered in the name of the Receiver General for Canada.

4. "irrevocable standby letter of credit"

- (a) means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
 - (i) will make a payment to or to the order of Canada, as the beneficiary;
 - (ii) will accept and pay bills of exchange drawn by Canada;
 - (iii) authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
 - (iv) authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.
- (b) must state the face amount which may be drawn against it;
- (c) must state its expiry date;
- (d) must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;
- (e) must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
- (f) must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice (UCP) for Documentary Credits, 2007 Revision, ICC Publication No. 600. Pursuant to the ICC UCP, a credit is irrevocable even if there is no indication to that effect; and
- (g) must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. MANDATORY CERTIFICATIONS REQUIRED PRECEDENT TO CONTRACT AWARD

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies as per section 01 of Standard Instructions 2003, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation therein required will help Canada in confirming that the certifications are true.

2. ADDITIONAL 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 so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 FEDERAL CONTRACTORS PROGRAM - CERTIFICATION**2.1.1 FEDERAL CONTRACTORS PROGRAM - \$200,000 OR MORE**

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the *Government Contract Regulations*. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, <http://www.servicecanada.gc.ca/cgi-bin/search/eforms/index.cgi?app=profile&form=lab1168&dept=sc&lang=e> to the Labour Branch of HRSDC.

3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the *Employment Equity Act*, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but

has not previously obtained a certificate number from HRSDC, (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;

- (d) () is subject to the FCP, and has a valid certificate number as follows: _____ (e.g. has not been declared an ineligible contractor by HRSDC).

Further information on the FCP is available on the following HRSDC Website:

<http://www.hrsdc.gc.ca/en/labour/equality/fcp/index.shtml>

2.2 CANADIAN CONTENT CERTIFICATION

SACC MANUAL CLAUSE

A3050T 2010/01/11 Canadian Content Definition

CANADIAN CONTENT CERTIFICATION

This procurement is limited to Canadian goods.

The Bidder certifies that:

- () the goods offered are Canadian goods as defined in paragraph 1 of clause A3050T.

PLANT LOCATION

Items will be manufactured at: _____

2.3 SAMPLES AND PRODUCTION CERTIFICATION

The Bidder certifies that:

- () the manufacturer that produced the pre-award samples will remain unchanged for the pre-production samples and full production of the contract quantity.

PART 6 - RESULTING CONTRACT CLAUSES

A. TRIAL CONTRACTS

1. SECURITY REQUIREMENT

There is no security requirement associated with the requirement.

2. REQUIREMENT

The Contractor must provide 200 pairs of the boots proposed in the Contractor's bid dated _____ made in accordance with the specification at Annex B and Annex H (Pre-Trial Technical Evaluation Requirements), in the sizes specified in the size roll at Annex E (Trial Quantity) to the following address:

Louis St-Laurent Building
555 Boulevard des Carrières
Gatineau, Québec
J8Y 6V7

Attn: (to be advised at contract)

Boots and packaging must not have any identifiable markings, including stamps, hang tag, markings inside or outside of the boots. Non compliance will result in the rejection of the goods.

The Contractor must provide with all deliveries a CF 1280 form.

3. **STANDARD CLAUSES AND CONDITIONS**

All instructions, 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>) issued by Public Works and Government Services Canada.

3.1 **General Conditions**

2010A (2013/03/21), General Conditions - Goods (Medium complexity) apply to and form part of the Contract.

4. **TERM OF CONTRACT**

4.1 **Delivery Date (Mandatory)**

The delivery of the Trial Quantity must be completed within 60 calendar days from the effective date of the Contract.

Failure to submit the Trial Quantity within the specified time frame will be grounds for termination of the Contract for default.

4.1.1 **Shipping Instructions - Delivery at Destination**

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

- (a) Delivered Duty Paid (DDP) (Gatineau, Québec) Incoterms 2000 for shipments from commercial contractor.

4.1.2 **Preparation for Delivery**

The Contractor must prepare the items for delivery in accordance with Canadian Forces Transportation Packaging Orders as outlined in Annex I.

4.2 **SACC Manual Clauses**

D5545C 2010/08/16 ISO 9001:2008 - Quality Management Systems - Requirements (QAC C)

5. **AUTHORITIES**

5.1 **Contracting Authority**

The Contracting Authority for the Contract is:

Catherine Doré
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate (CCPD)
Clothing & Textiles Division
Place du Portage, Phase III, 6A2
11 Laurier Street
Gatineau, Quebec K1A 0S5
Telephone : 819-956-1247 Facsimile: 819-956-5454
E-mail address: catherine.dore@tpsgc-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.

5.2 Project Authority

The Project Authority for the Contract is:

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DSSPM (to be advised at contract)

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 matter 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.

5.3 Technical Authority

The Technical Authority for this Contract is:

Mailing/Shipping Address

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DSSPM (to be advised at contract)

The Technical 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 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.

5.4 Procurement Authority

The Procurement Authority for the Contract is:

Mailing/Shipping Address

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DLP (to be advised at contract)

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.

5.5 Contractor's Representative

The person responsible for :

General enquiries

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

Delivery follow-up

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

6. PAYMENT**6.1 Basis of Payment - Firm Unit Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Trial Contract(s), the Contractor will be paid a firm price of \$34,790.17. Customs duties are included and all applicable taxes are 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.

6.2 SACC Manual Clauses

H1000C 2008/05/12 Single Payment

7. INVOICING INSTRUCTIONS

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

2. Invoices must be distributed as follows:

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

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attn: DLP 5-3-3 (DSSPM)

Note: The original invoice (PDF format) can be e-mailed to ____(to be advised at contract award)___ and must be stamped with the word "ORIGINAL" and the other copies must be stamped with the words "COPY DO NOT PAY".

(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.

8. CERTIFICATIONS

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

8.2 SACC Manual Clauses

A3060C 2008/05/12 Canadian Content Certification

9. APPLICABLE LAWS

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

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 (2013/03/21), General Conditions - Goods (Medium Complexity);
- c) Annex B, Specification;
- d) Annex E, Size Roll for Trial;
- e) Annex I, CFTPO;
- f) Annex H, Pre-Trial Technical Evaluation Requirements; and
- g) the Contractor's bid dated _____.

11. DEFENCE CONTRACT

SACC Manual Clause A9006C (2012/07/16) Defence Contract

12. MATERIALS: CONTRACTOR TOTAL SUPPLY

The Contractor will be responsible for obtaining all materials required in the manufacture of the items specified. The delivery stated for the items allows the necessary time to obtain such materials.

13. PLANT CLOSING

The Contractor's plant closing for Christmas and Summer holidays are as follows. During this time there will be no shipments.

Summer Holiday FROM _____ TO _____

14. PLANT LOCATION

Items will be manufactured at: _____

15. SUBCONTRACTOR(S)

The following subcontractor(s) will be utilized in the performance of the contract.

Name of Company: _____

Location: _____

Value of subcontract: \$ _____

Nature of subcontracting work performed: _____

Subcontractors, other than those listed above, may not be utilized without the written permission of Canada.

16. OVERSHIPMENT

Overshipment will not be accepted unless prior approval is obtained from the Contracting Authority.

17. SPECIFICATIONS AND STANDARDS

17.1 United States Military Specifications and Standards

The Contractor is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defense Website, at the following address: <http://dodssp.daps.dla.mil/>.

B. MAIN CONTRACT

1. SECURITY REQUIREMENT

There is no security requirement associated with the requirement.

2. REQUIREMENT

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

3. STANDARD CLAUSES AND CONDITIONS

All instructions, 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>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013/03/21), General Conditions - Goods (Medium complexity) apply to and form part of the Contract.

3.2 Warranty Period

Subsection 9 of 2010A, General Conditions, "Warranty" is amended as follows:

Delete: twelve (12) months

Insert: twenty-four (24) months

4. TERM OF CONTRACT

4.1 Delivery Date

Delivery - Firm Quantity - Item 001 (Boots)

The first delivery must be made within 90 calendar days from the date of the written notice of approval of pre-production samples. The quantity delivered must be 1,500 pairs. The balance must be delivered at the rate of 1,500 pairs weekly after the first delivery until completion of the Contract.

Canada reserves the right to amend the size roll at no cost to Canada. The Contractor must advise the Contracting Authority before the production quantity has reached 70% of the firm quantity (56,000 pairs). If required, the Contracting Authority will amend the Contract to revise the size roll for the last 30% of the production quantity.

Delivery - Firm Quantity - Item 002 (Spare laces)

The first delivery must be made within _____ calendar days from the date of the written notice of approval of pre-production samples. The quantity delivered must be _____ pairs. The balance must be delivered at the rate of _____ pairs weekly after the first delivery until completion of the Contract.

Delivery - Firm Quantity - Item 003 (Spare inserts)

The first delivery must be made within _____ calendar days from the date of the written notice of approval of pre-production samples. The quantity delivered must be _____ pairs. The balance must be delivered at the rate of _____ pairs weekly after the first delivery until completion of the Contract.

Delivery - Option Quantities - Item 004 (Boots)

The delivery of the option quantity must commence within 90 calendar days from receipt of the contract amendment and after final delivery of the contract quantity and the quantity must be 1,500 pairs. The balance must be shipped at a rate of 1,500 pairs weekly after the first delivery until completion of the option quantity.

Delivery - Option Quantities - Item 005 (Spare laces)

The delivery of the option quantity must commence within _____ calendar days from receipt of the contract amendment and after final delivery of the contract quantity and the quantity must be _____ pairs. The balance must be shipped at a rate of _____ pairs weekly after the first delivery until completion of the option quantity.

Delivery - Option Quantities - Item 006 (Spare inserts)

The delivery of the option quantity must commence within _____ calendar days from receipt of the contract amendment and after final delivery of the contract quantity and the quantity must be _____ pairs. The balance must be shipped at a rate of _____ pairs weekly after the first delivery until completion of the option quantity.

4.1.1 Delivery - Appointments

The Contractor must make deliveries 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) 7 CF Supply Depot Lancaster Park
Edmonton, Alta
780-973-4011, ext. 4524

(b) 25 CF Supply Depot Montreal
Montreal, Qué.
514-252-2777, ext. 2363

4.1.2 Preparation for Delivery

The Contractor must prepare the items for delivery in accordance with Canadian Forces Transportation Packaging Orders as outlined in Annex I.

4.1.3 Shipping Instructions - Delivery at Destination

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

- (a) Delivered Duty Paid (DDP) (Montréal, Québec and Edmonton, Alberta) Incoterms 2000 for shipments from commercial contractor.

4.2 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the goods described at Annex A (items 4 to 6) under the same terms and conditions and at the prices stated in the Contract. The options may only be exercised by the Contracting Authority and will be evidenced through a contract amendment.

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

Option may only be exercised for a minimum of 10,000 pairs of boots per amendment up to a maximum of 70,000 pairs for all the amendments. For the spare laces and the inserts, option may only be exercised for a minimum of 10,000 pairs each per amendment up to a maximum of 40,000 pairs each for all the amendments. Quantity distributed amongst the destinations.

Multiple amendments may be issued to exercise the option.

4.3 SACC Manual Clauses

D5510C 2012/07/16 Quality Assurance Authority (DND) - Canadian-based Contractor

D5540C 2010/08/16 ISO 9001:2008 - Quality Management Systems - Requirements (QAC Q)

D5606C 2012/07/16 Release Documents (DND) - Canadian-based Contractor

5. AUTHORITIES

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Catherine Doré
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate (CCPD)
Clothing & Textiles Division
Place du Portage, Phase III, 6A2
11 Laurier Street
Gatineau, Quebec K1A 0S5
Telephone : 819-956-1247 Facsimile: 819-956-5454
E-mail address: catherine.dore@tpsgc-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.

5.2 Project Authority

The Project Authority for the Contract is:

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DSSPM (to be advised at contract)

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 matter 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.

5.3 Technical Authority

The Technical Authority for this Contract is:

Mailing/Shipping Address

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DSSPM (to be advised at contract)

The Technical 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 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.

5.4 Procurement Authority

The Procurement Authority for the Contract is:

Mailing/Shipping Address

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DLP (to be advised at contract)

The Procurement Authority is a 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 Procurement Authority.

5.5 Quality Assurance Authority

The Quality Assurance Authority for the Contract is:

Mailing/Shipping Address

Department of National Defence
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2
Attn: DQA (to be advised at contract)

The Quality Assurance Authority is a representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning quality assurance under the

Contract. The Contractor may discuss quality assurance matters identified in the Contract with the Quality Assurance Authority however the Quality Assurance 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.

5.6 Contractor's Representative

The person responsible for :

General enquiries

Name: _____
 Telephone No.: _____
 Facsimile No.: _____
 E-mail address: _____

Delivery follow-up

Name: _____
 Telephone No.: _____
 Facsimile No.: _____
 E-mail address: _____

6. PAYMENT

6.1 Basis of Payment - Firm Unit Prices

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 Annex A for a cost of \$(amount to be inserted at contract award). Customs duties are included and all applicable taxes are 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.

6.2 SACC Manual Clauses

H1001C 2008/05/12 Multiple Payments

7. INVOICING INSTRUCTIONS

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

2. Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment :
 National Defence Headquarters
 MGen George R. Pearkes Building
 101 Colonel By Drive
 Ottawa, ON K1A 0K2
 Attn: DLP 5-3-3 (DSSPM)

Note: The original invoice (PDF format) can be e-mailed to ____(to be advised at contract award)___ and must be stamped with the word "ORIGINAL" and the other copies must be stamped with the words "COPY DO NOT PAY".

(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.

7.1 Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- (a) One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- (b) Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- (c) One (1) copy to the Contracting Authority;
- (d) One (1) copy to:

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attn: DLP 5-3-3 (DSSPM)

The original inspection document CF 1280 (pdf format) can also be e-mailed to (to be advised at contract award)

- (e) One (1) copy to the Quality Assurance Representative;
- (f) One (1) copy to the Contractor; and
- (g) For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
E-mail: ContractAdmin.DQA@forces.gc.ca

8. CERTIFICATIONS

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

8.2 SACC Manual Clauses

A3060C 2008/05/12 Canadian Content Certification

9. APPLICABLE LAWS

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

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 (2013/03/21), General Conditions - Goods (Medium Complexity);
- c) Annex A, Requirement;
- d) Annex B, Specification;
- e) Annex E, Size Roll (Main Contract);
- f) Annex C, Pre-production and Production Technical Evaluation Plan;
- g) Annex I, CFTPO;
- h) Sealed Pattern; and
- i) The Contractor's bid dated _____.

11. DEFENCE CONTRACT

SACC Manual Clause A9006C (2012/07/16) Defence Contract

12. SACC MANUAL CLAUSES

C2801C 2011/05/16 Priority Rating - Canadian-based Contractors

13. MATERIALS: CONTRACTOR TOTAL SUPPLY

The Contractor will be responsible for obtaining all materials required in the manufacture of the items specified. The delivery stated for the items allows the necessary time to obtain such materials.

14. PROCEDURES FOR DESIGN CHANGE/DEVIATIONS

The Contractor must follow these procedures for any proposed design change/deviation to contract specifications.

The Contractor must complete Part 1 of the Design Change/Deviation form DND 672 and forward one (1) copy to the Technical Authority and one (1) copy to the Contracting Authority.

The Contractor will be authorized to proceed upon receipt of the design change/deviation form signed by the Contracting Authority. A contract amendment will be issued to incorporate the design change/deviation in the Contract.

15. PLANT CLOSING

The Contractor's plant closing for Christmas and Summer holidays are as follows. During this time there will be no shipments.

2013-2014

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

2014-2015

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

2015-2016

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

2016-2017

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

Solicitation No. - N° de l'invitation

W8476-113039/C

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pr751

Client Ref. No. - N° de réf. du client

W8476-113039

File No. - N° du dossier

pr751W8476-113039

CCC No./N° CCC - FMS No/ N° VME

2017-2018

Summer Holiday

Christmas Holiday

FROM _____ TO _____

FROM _____ TO _____

16. PLANT LOCATION

Items will be manufactured at: _____

17. SUBCONTRACTOR(S)

The following subcontractor(s) will be utilized in the performance of the contract.

Name of Company: _____

Location: _____

Value of subcontract: \$ _____

Nature of subcontracting work performed: _____

Subcontractors, other than those listed above, may not be utilized without the written permission of Canada.

18. OVERSHIPMENT

Overshipment will not be accepted unless prior approval is obtained from the Contracting Authority.

19. QUALITY PLAN

No later than 30 days after the effective date of the Contract, the Contractor must submit for acceptance by the Department of National Defence (DND) a Quality Plan prepared according to the latest issue (at contract date) of ISO 10005:2005 "Quality management systems - Guidelines for quality plans". The Quality Plan must describe how the Contractor will conform to the specified quality requirements of the Contract and specify how the required quality activities are to be carried out, including quality assurance of subcontractors. The Contractor must include a traceability matrix from the elements of the specified quality requirements to the corresponding paragraphs in the Quality Plan.

The documents referenced in the Quality Plan must be made available when requested by Public Works and Government Services Canada or DND.

If the Quality Plan was submitted as part of the bidding process, the Contractor must review and, where appropriate, revise the submitted plan to reflect any changes in requirements or planning which may have occurred as a result of pre-contract negotiations.

Upon acceptance of the Quality Plan by DND, the Contractor must implement the Quality Plan. The Contractor must make appropriate amendments to the Quality Plan throughout the term of the contract to reflect current and planned quality activities. Amendments to the Quality Plan must be acceptable to DND.

20. POST CONTRACT AWARD MEETING

The Design Authority or his delegated representatives at National Defence Headquarters and the applicable DND Quality Assurance Representative (DNDQAR) must be afforded access to the Contractor's plant and all other premises where pertinent processes are being performed, on the same basis as afforded the representative of National Defence Headquarters, DGQA.

A post contract award meeting may be convened within twenty (20) calendar days after award of contract. Participants may include representatives of the Contractor, DND Design Authority, DNDQAR, DND project Authority, Contracting Authority and the DND Procurement Authority. Other meetings may be convened as required.

The Contractor is responsible for the recording and distribution of the minutes for all contract related meeting. The minutes must be sent to the Contracting Authority for acceptance prior to the distribution to all participants or as otherwise directed in the contract within ten (10) calendar days of the subject meeting. The minutes must be used only as a record of proceedings.

21. PROGRESS REPORTS

The Contractor must provide a progress report on the last working day of each month covering all phases of the work. One copy must be distributed to each the Quality Assurance Authority, the Procurement Authority and the Contracting Authority.

The Contractor must provide a quarterly progress report covering all phases of the work. One copy must be distributed to each Quality Assurance Authority, the Technical Authority and the Contracting Authority.

The report must include, as a minimum the following:

- a summary of work accomplished during the report period, components/material purchases and production steps;
- a summary of work planned for the ensuing period;
- a statement as to whether the work is proceeding according to plan, full explanation for deviations from the work plan;
- identification of current and potential problems which may affect the progress of the work, and the proposed solutions to those problems; and
- delivery status of boots by size and destination.

The progress reports can be mailed, faxed or e-mailed.

22. PRE-PRODUCTION SAMPLE

1. The Contractor must provide one (1) pre-production sample of boots in sizes 265/104 with an extra pair of laces and removable inserts as per Annex C, accompanied by the sealed sample, if applicable, to the Procurement Authority for acceptance within 60 calendar days from date of contract award.

2. If the first sample is rejected, the Contractor must submit the second sample within 20 calendar days of notification of rejection from the Procurement Authority.

3. The Contractor must carry out all required inspection and tests to verify conformance to the technical requirements of the Contract.

4. The Contractor must provide the sample, and a copy of the inspection and test reports as per Annex C, to the Procurement Authority, transportation charges prepaid, and without charge to Canada. The sample submitted by the Contractor will remain the property of Canada.

5. The Procurement Authority will notify the Contractor, in writing, of the conditional acceptance, acceptance or rejection of the sample. A copy of this notification is to be provided by the Procurement Authority to the Contracting Authority. The notice of conditional acceptance or acceptance does not relieve the Contractor from complying with all requirements of the specifications and all other conditions of the Contract.

6. The Contractor must not commence or continue with production of the items and must not make any deliveries until the Contractor has received notification from the Procurement Authority that the sample is acceptable. Any production of items before sample acceptance will be at the sole risk of the Contractor.

7. Rejection by the Procurement Authority of the second sample submitted by the Contractor for failing to meet the contract requirements, will be grounds for termination of the Contract for default.

8. The sample may not be required if the Contractor is currently in production. The request for waiver of sample must be made by the Contractor in writing to the Procurement Authority. The waiving of this requirement will be at the discretion of the Procurement Authority and will be evidenced through a contract amendment.

22.1 Sealed Pattern - Return to Sender

The sealed pattern which may have been sent to the Contractor, is to be returned to the sender upon completion of Contract.

The sealed pattern is not to be mutilated or cut, but returned in the same condition as sent to the Contractor.

23. SPECIFICATIONS AND STANDARDS

23.1 United States Military Specifications and Standards

The Contractor is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defense Website, at the following address: <http://dodssp.daps.dla.mil/>.

24. FINANCIAL SECURITY

1. Canada may convert the security deposit to the use of Canada if any circumstance exists which would entitle Canada to terminate the Contract for default, but any such conversion will not constitute termination of the Contract.

2. Where Canada so converts the security deposit:

(a) the proceeds will be used by Canada to complete the Work according to the conditions of the Contract, to the nearest extent that it is feasible to do so and any balance left will be returned to the Contractor on completion of the warranty period; and

(b) if Canada enters into a Contract to have the Work completed, the Contractor will:

(i) be considered to have irrevocably abandoned the Work; and

(ii) remain liable for the excess cost of completing the Work if the amount of the security deposit is not sufficient for such purpose. "Excess cost" means any amount over and above the amount of the Contract Price remaining unpaid together with the amount of the security deposit.

3. If Canada does not convert the security deposit to the use of Canada before completion of the contract period, Canada will return the security deposit to the Contractor within a reasonable time after such date.

4. If Canada converts the security deposit for reasons other than bankruptcy, the financial security must be reestablished to the level of the amount stated above so that this amount is continued and available until completion of the contract period.

ANNEX A REQUIREMENT (MAIN CONTRACT)

1. TECHNICAL REQUIREMENT

The Contractor is required to provide the Department of National Defence with Land Operation Temperate Boots (LOTB), Spare Laces and Spare Inserts in accordance with the Specification for Canadian Forces Land Operations Temperate Boot dated March 21, 2013 at Annex B.

2. ADDRESSES

Destination Address	Invoicing Address
WB941 Department of National Defence 25 CFSD Montreal 6363 Notre Dame St. E. Montreal, Quebec H1N 1V9	W1941 Department of National Defence CFSD Montreal P.O. Box 4000 Stn K Montreal, Quebec H1N 3R9
W248A Department of National Defence 7 CF Supply Depot 195 Ave & 82nd St., Bldg. 236 Edmonton, Alberta T5J 4J5	W2481 Department of National Defence 7 CF Supply Depot Stn Forces, P.O. Box 10500 Edmonton, Alberta T5J 4J5

3. DELIVERABLES

MAIN CONTRACT QUANTITY

Item	Description	Unit of Issue	Destination	Firm Quantity	Firm Unit Price, DDP, Transportation cost included, all applicable taxes extra
1	Boots	Pair	Edmonton	25,330	\$ _____
			Montreal	54,670	\$ _____
2	Spare Laces	Pair	Edmonton	12,000	\$ _____
			Montreal	28,000	\$ _____
3	Spare Inserts	Pair	Edmonton	12,000	\$ _____
			Montreal	28,000	\$ _____

Refer to size roll at Annex E for boots.

The size roll for the spare inserts is to be determined.

OPTION

Item	Description	Estimated Quantity	Unit of Issue	Destination	Year	Firm Unit Price, DDP, Transportation cost included, all applicable taxes extra
4	Boots	70,000	Pair	Edmonton	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____
				Montreal	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____
5	Spare Laces	40,000	Pair	Edmonton	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____
				Montreal	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____
6	Spare Inserts	40,000	Pair	Edmonton	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____
				Montreal	1	\$ _____
					2	\$ _____
					3	\$ _____
					4	\$ _____

Year 1: If exercised (ordered) within 12 months from contract award date.

Year 2: If exercised (ordered) between 13 to 24 months from contract award date.

Year 3: If exercised (ordered) between 25 to 36 months from contract award date.

Year 4: If exercised (ordered) between 37 to 48 months from contract award date.

A size roll will be provided if and when an option is exercised.



National Défense
Defence nationale

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NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods

SPECIFICATION

for

CANADIAN FORCES LAND OPERATIONS TEMPERATE BOOT (LOTB) NSN 8430-20-001-2410 A/A

21 March 2013

OPI/BPR: DSSPM 11

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©Sa Majesté la Reine en chef du Canada représentée par le Ministre de la Défense nationale, 2013

Canada

**SPECIFICATION
FOR
CANADIAN FORCES LAND OPERATIONS
TEMPERATE BOOT (LOTB)**

1.0 SCOPE

1.1 **Scope** - This document defines the performance requirements for the manufacture and procurement of the Canadian Forces Land Operations Temperate Boot (LOTB).

1.2 Intended Use

1.2.1 The Canadian Forces LOTB is intended for use by men and women of the Land Force to provide enhanced foot protection for operations in temperate conditions.

1.2.2 Ambient temperature ranges that can be expected for this item are 0°C to +35°C. Ambient humidity ranges that can be expected for this item are 45% to 100%. Boots will be expected to optimally perform with consistent exposure to the above conditions.

1.2.3 Personnel are required to carry out a full range of tasks including but not limited to marching over uneven terrain while carrying heavy loads, to standing, climbing, operating and maintaining vehicles and equipment, and firing weapons. For further information, refer to **Annex K** (Canadian Army - Field Force Unit - Typical Training Cycle) as this document outlines operational training, garrison duties, and other assorted tasks.

1.2.4 **Combat Sock System (CSS).** The combat sock system consists of three socks; a liner sock, a medium weight (temperate) sock and a heavy weight (thermal) sock. This sock system allows the user to choose the level of thermal protection required to address personal variables in work rate and metabolism and protect against blisters by reducing friction between the foot and the boot.

1.2.4.1 The liner sock and the medium weight sock are worn with this boot. In addition to the combat sock system, a hot weather sock may be worn as a stand-alone sock. Examples and technical information pertaining to the CSS and hot weather sock are available upon request.

1.3 **Performance Requirements.** In specifying the different performance or design requirements, two levels of measurement will be used. These are defined as follows:

- **Essential** – An essential requirement is a criterion that must met. The word “must” will be considered synonymous with essential; and
- **Desirable** – A desirable criterion describes a performance requirement where performance is better than the stated essential level is deemed to have significant operational value. The word “should” will be considered synonymous with desirable.

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2.0 APPLICABLE DOCUMENTS

2.1 The following documents or referenced portions must be considered part of the requirement for the LOTB. Documents referenced within the documents cited will not be applicable unless specifically delineated. The edition in effect on the date of the Request for Proposal (RFP) is the applicable edition unless otherwise specified.

SPECIFICATIONS AND STANDARDS

Publication Number	Title	Source of Supply
CFTPO-LOTB	Canadian Forces Transportation Packaging Order	Department of National Defence Ottawa, Ontario K1A 0K2 Attention: DSCO 4-7-5.

2.2 **Other publications.** The following documents form part of this manufacturing data to the extent specified herein. Effective date will be that in effect on the date of manufacture. Sources are as shown:

Publication No.	Title	Source of Supply
AATCC Evaluation Procedure 9	Visual Assessment of Color Difference of Textiles	American Association of Textile Chemists and Colorists (AATCC) P.O. Box 12215 Research Triangle Park, North Carolina, USA 27709 Telephone: (919) 549-3526 Website: www.aatcc.org
D98	Calcium Chloride	American Society for Testing and Materials (ASTM) 100 Barr Harbor Drive P.O. Box C700 West Conshohocken, Pennsylvania, U.S.A. 19428-2959
D975	Diesel Fuel Oils	
D1052	Measurement of Cut Growth of Rubber by the Use of the Ross Flexing Machine	
D1630	Abrasion Resistance of Rubber Compounds for Soles and Heels	
D2699	Research Octane Number of Spark-Ignition Engine Fuel	
D3183	Standard Practice for Rubber—Preparation of Pieces for Test Purposes from Products	
D4966-98	Abrasion Resistance (Martindale Test Method)	
D5034	Breaking Strength and Elongation of Textile Fabrics (Grab Test)	
E96	Water Vapor Transmission of Materials	
F1930-11	Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Simulations Using an Instrumented Manikin	

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CSA Z195	Protective Footwear	Canadian Standards Association (CSA) 5060 Spectrum Way, Suite 100, Mississauga, Ontario L4W 5N6
CAN/CGSB-3-22	Wide-Cut Type Aviation Turbine Fuel	Canadian General Standards Board (CGSB) Gatineau, QC K1A 1G6 Telephone: 819-956-0425 or 1-800-665-2472 Email: ncr.cgsb-ongc@pwgsc.gc.ca Website: http://www.pwgsc.gc.ca/cgsb/home/index-e.html
CAN/CGSB-4.2-M Method 21	Textile Test Methods - Colourfastness To Sea Water	
CAN/CGSB-4.2-M Method 23	Textile Test Methods - Colourfastness To Perspiration	
CAN/CGSB-15.19	Insect Repellent Diethyltoluamide	
	Drying Rate	Group CTT Group 3000, rue Boullé, Saint-Hyacinthe, Québec J2S 1H9 Phone: (450) 778-1870 Phone (Toll Free): (877) 288-8378 Fax: (450) 778-3901
FED-STD-601	Federal Test Method: Rubber Sampling And Testing <ul style="list-style-type: none"> • Method 6001 Liquid Treatment Tests – General; and • Method 6211 Change In Volume – Liquid Immersion 	Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, Pennsylvania U.S.A 19111-5094
SAE J 1966*6	Lubricating Oils, Aircraft Piston Engine (Non-Dispersant Mineral Oil)	SAE International World Headquarters 400 Commonwealth Drive Warrendale, Pennsylvania 15096-0001 USA Telephone: 1-877-606-7323 Website: http://www.sae.org
SATRA TM31A	Abrasion Resistance – Martindale Method	Shoe and Allied Trades Research Association, (SATRA) SATRA House, Rockingham Road, Kettering, Northants, England NN169JH
SATRA TM144	Friction (Slip Resistance) of Footwear and Floorings	
ISO 9407	Shoe Sizes - Mondopoint System of Sizing and Marking	Standards Council of Canada 270 Albert Street, Suite 200 Ottawa, Ontario Canada K1P 6N7 Telephone: (613) 238-3222 Email: info@scc.ca

2.3 Conformance of materials and performance. Conformance of materials and performance to certain performance requirements of this specification will require the submission of test results from accredited independent laboratories or Certificates of Compliance (C of C). Refer to Annex G (Pre-Award Technical Evaluation) and Annex C (Pre-Production and Production Technical

Evaluation Plan) for details. When certificates of compliance are submitted, the Government reserves the right to inspect and test such items to determine the validity of the certification.

3.0 REQUIREMENTS

3.1 **Definition of Product.** The Department of National Defence expects the LOTB to be sufficiently durable to meet a 240 field day life expectancy under normal Army operations.

3.2 Patterns, Tooling and Lasts

3.2.1 **Paper Patterns and Tooling.** The Contractor must be responsible for the paper patterns and tooling, including cutting dies, moulds and lasts required for production in the contracted sizes, in the quantities required to meet the delivery requirements.

3.2.2 The LOTB must be manufactured on lasts that are duplicates of Last DND-601, which constitutes the standard for sizing and fit. The sizing standard of Last DND-601 is for the exclusive use of the Department of National Defence and those manufacturers contracted by DND to produce military footwear.

3.2.3 **Mondopoint sizing system.** The sizing system designed for the LOTB is based on the Mondopoint sizing system principles in accordance with ISO 9407. This system creates a direct relationship between the measurements of the length and width of the foot with socks on, and the numerical designations on the size label. The increment between sizes is 5.0 mm in length and 4.0 mm in width. The complete range of 74 sizes complete with NATO Stock Numbers (NSNs) is listed in Table II.

3.3 General.

3.3.1 In order to optimize the overall boot performance for the given environment, not specifically address a single measure or performance (i.e. weight, comfort, water absorption, etc.), materials should be selected with the specific component information provided in paragraph 3.4 and the whole boot tests outlined in paragraph 4.0.

3.3.2 **Height.** Finished height as measured on the outside of the boot from the bottom of the heel (on a level surface) to the highest point of the collar on a pair of Mondopoint 265/104 boots must be between 21.5 cm (8-1/2 inches) and 22.5 cm (8-7/8 inches). Height must be graded proportionately to the size.

3.3.3 **Colour.** The colour requirements for the LOTB (upper material(s), outsole and midsole (if utilized), lining, removable inserts, and fittings (lacing system, laces, etc.)) must be a commercial brown. The shade and pattern is left at the discretion of the bidders. The LOTB must be made with a matte finish to decrease the ease of visual detection. Colours must remain consistent before and after any manufacturing process.

3.3.3.1 The colour and pattern must be approved by the Department of National Defence. DND reserves the right to dictate shades/colour before final production is started at no additional cost. In addition, DND reserves the right before production approval to request additional information regarding colour definition (for example, swatches and colour coordinates denoting reference standard and acceptable tolerances in lightness, chroma, and hue) in order to determine colour tolerances used in quality control throughout production. Colour of the boots must be consistent from material lot to material lot as well as finished boot lots.

3.3.3.2 **Definition of Colour Standards.** In order for DND to evaluate colour consistency between the approved colour standard and production lots, the following procedures must be used.

3.3.3.2.1 **Visual Match.** Visual colour matching is an essential requirement. It must be done in accordance with AATCC Visual Procedure 9. The details are as follows:

Reference in AATCC Visual Procedure 9	Detail
Illumination Conditions	A colour match under D ₇₅ (daylight, colour temperature 7500 Kelvin (tolerances +/-200 K) is the most important.
Viewing Environment	As per AATCC Visual Procedure 9
Viewing Geometry	Option B
Maximum Colour Difference Magnitude Descriptor for the Colour Difference Direction Descriptors of lightness, chroma, and hue	Grey Scale of 4

3.3.4 **Break-in period.** After a break-in period, the boot must not produce audible noise when worn. During the break-in period, discomfort to soldiers must preclude the development of long-lasting injuries that would require the user to seek medical care. The break-in period should be a maximum of eight days (sixty-four hours) of wear.

3.3.5 **Design.** The overall design of the LOTB should be heavily influenced by current commercial-off-the shelf (COTS) ruggedized, outdoor footwear.

3.4 **Materials.**

3.4.1 **Boot Upper Material(s).** The boot upper must be made with water resistant material(s). The material(s) must have a matte finish to minimize light reflection.

3.4.1.1 **Exposure to Chemicals.** Testing for exposure to chemicals to the components used for the upper and the sole (outsole and midsole (if utilized)) must be done to verify that there will be no degradation to materials that would interfere directly with overall performance characteristics. For additional information on requirements, chemical definitions, and test procedure, see paragraph 4.7.

3.4.1.2 **Contamination by Petroleum, Oils, and Lubricants (POLs).** If contaminated by POL, simple washing should remove a significant amount so as to render any residue non hazardous to combustion but not interfere with other performance characteristics.

3.4.1.3 **User Maintenance.** The surface finish must be one that is easily maintained by the user in the field (for example, with the use of water and a cloth or a brush).

3.4.2 **Boot lining.** The boot lining must allow the transfer of body moisture away from the foot. The boot lining must incorporate a permanent durable anti-microbial treatment that is non-hazardous to the user. The anti-microbial product(s) must be acceptable for use on textile substrates. The product used to impart the anti-microbial finish must either have a Pest Control Product Registration Number that has been issued by the Pest Management Regulatory Agency of Health Canada or be an Environmental Protection Agency (EPA) -registered antimicrobial.

3.4.2.1 **Abrasion Resistance.** Maximum colour degradation must be Grey Scale 4 when the boot lining is tested in accordance with ASTM D4966-98 or SATRA TM31A after 25,600 cycles/revolutions.

3.4.3 **Counters.** If a counter is used it must correspond to the shape and design of the heel portion of last DND 601 (left and right lasts) and be supplied in a sufficient number of sizes to cover the boot size range. The user must be protected from abrasion at the heel. The counters must have a fungicide treatment that prevents mould and mildew.

3.4.4 **Ankle pad.** If an ankle pad is used it must be treated with an anti-microbial additive applicable for use on the material that prevents and inhibits mould and mildew. Ankle pads must correspond to the shape and design of the heel portion of the last. A left and right ankle pad is required and must be supplied in a size range that meets the requirements. The ankle pad must be assembled with the counter with adhesives that must not disassemble or delaminate over time.

3.4.5 **Shank.** The shank area must be reinforced to provide the level of performance required.

3.4.6 **Closure System.** The LOTB must be a lace-to-toe closure design with a speed lacing closure system and laces. As an option, the LOTB may have a dual closure system with a slide fastener secondary entry on the medial side. The design and materials used in the slide fastener secondary entry is left to the discretion of the manufacturer.

3.4.6.1 **Main Closure – Speed Lacing.** The total number and placement of the elements in the speed lacing system must be as required to ensure the stability and functional ability of the boot and ensure even lace tension to reduce pressure points. Should emergency access to the foot be required, the main closure system must allow for quick release. The materials and design of the lacing system is at the manufacturer's discretion with the stipulation that leather and uncoated metal lacing systems cannot be used. The functionality, finish, and colour of the lacing system must last for the life of the boot without corrosion or wear.

3.4.6.2 **Laces.** The length of the laces must be 75 inches with a +3.0 inch tolerance (190.5 cm with a +7.6 cm tolerance). The lace tips must be self-fused for a length of 25.0 mm (+/- 3.0mm). Two

pairs of laces must be supplied with each pair of boots; one pair on the boots laced and another pair as extras (see paragraph 6.2).

3.4.6.2.1 Breaking Strength. When tested in accordance with ASTM D5034, the minimum breaking strength of the laces must be 220 lbs.

3.4.7 Outsole and Midsole.

3.4.7.1 General. Outsoles must be made using compounds and a tread pattern that provides traction and stability to the user on all surfaces under outdoor ambient temperature conditions outlined in paragraph 1.2.2. The tread pattern must be a design which facilitates movement on steep angles while ascending or descending a variety of surfaces and surface conditions, which minimizes the clinging and build-up of mud and water, and aids in the expulsion of small objects (stones, nails, screws, etc.) during the walking motion. The outsoles must be non-marking, oil and acid resistant, and must be tested for exposure to chemicals and examined for changes resulting in degradation as outlined in paragraph 4.7.

3.4.7.2 Test slabs (in accordance with ASTM D3183 procedures) must be tested as applicable. See Table I for additional performance requirements of the materials used in the outsole and midsole (if utilized) and those applicable whole boot tests outlined in paragraph 4.0.

TABLE I – REQUIREMENTS FOR OUTSOLE COMPONENTS

PROPERTY	TEST METHOD	RESULT
Abrasion Resistance	ASTM D1630	Minimum: 80 NBS abrasion
Ross Flex, Oil #3	ASTM D1052	200% maximum cut growth after 100,000 flexes
Volume Swell (Fuel B): Time: 46 Hours (+/-1/4 hour) Temperature: 23 Degrees (+/- 2 degrees) Celsius	FED-STD-601 Method 6001 and Method 6211	Maximum: 75 percent

3.4.7.3 Outsole Lug Depth. When measured in accordance with the Figure 1, the lug depth or cleat height (d_2) for any part of the outsole must be a minimum of 4.0 mm. The measurement must be taken at the widest point in the outsole.

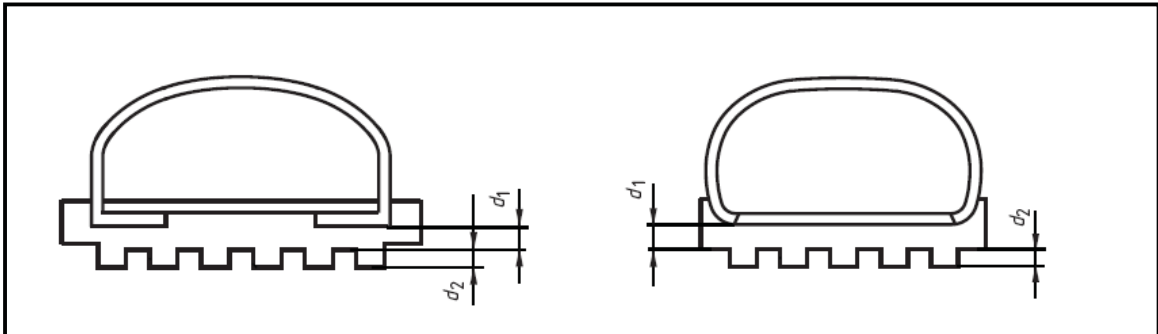


Figure 1 - Lug Depth/Cleat Height

3.4.8 Removable inserts. Each pair must be washable, fast drying, and breathable with a durable anti-microbial and anti-odour treatment that is non-hazardous to the user and appropriate to the materials. The inserts must be permanently formed to cup around the foot at the heel and provide support through the arch area. The Mondopoint size boot size (e.g. 270/98) must be indelibly printed or embossed on the bottom of the removable inserts. One pair of inserts in the correct size must be inserted inside each pair of boots. A second pair of inserts in the correct size must be enclosed in a plastic bag (see paragraph (6.2) and attached to one of the boots.

3.4.9 Upper reinforcement. The boot upper must be constructed in such a way that moisture and/or perspiration must not cause stretching of the upper.

3.4.10 Labels and marking. Boots must have the following information legibly and indelibly printed on a label positioned on the inside of the boot at the top of the tongue lining and securely attached around all edges:

- a) NATO Stock Number (NSN) for each size. NSNs will be designated in the contract;
- b) Month and year of production (e.g. 09/2011);
- c) Nomenclature in English and French as follows:
Boots, Combat, Land Operations, Temperate.
Bottes, Combat, Opérations Terrestres, Tempéré.
- d) Contractor's name or logo/brand;
- e) Size and width in Mondopoint (e.g. 255/100); and
- f) A line designated as "ID", appropriate for the user to write their name.

EXAMPLE:

NSN: 8430-20-001-2464
Boots, Combat, Land Operations, Temperate.
Bottes, Combat, Operations Terrestres, Tempéré.
09/2011 Jones Footwear Company

Size 260 / 98

ID: _____

3.4.10.1 Marking of removable inserts. The Mondopoint boot size (e.g. 270/98) must be indelibly printed or embossed on the bottom of removable inserts.

3.4.11 Care Instructions. Care instructions must be bilingual (French and English) and provided for each pair of boots.

3.4.12 Branding Or Product Information.

3.4.12.1 Hang tags identifying brand or product information may be acceptable on production quantities, provided that the Project Authority has granted approval for text and use. Hang tags when authorized must be easy to remove without damage to the boots.

3.4.12.2 Branding may be acceptable on production quantities provided that it is subdued in colour and design and the Project Authority has granted approval for use.

3.5 Manufacture

3.5.1 Sole attachment methods. The sole attachment method must be Goodyear Welt or Injection moulding.

4.0 ADDITIONAL INFORMATION

4.1 Whole Boot - Weight. The overall weight for the boot, excluding the removable inserts and the laces, must not exceed the maximum average weight of 900.0 grams per boot.

4.1.1 Weighing must be done on Mondopoint size 265/104 boots excluding the removable inserts and the laces. Six (6) boots, the left and right boots of three (3) pairs, must be weighted and the results must be averaged. Individual boots of a pair must be within +/- 10.0 grams. Sample boots must be pre-conditioned at 20° Celsius (+/-2° C) with 65% (+/-2%) relative humidity for a minimum of 24 hours.

4.2 Whole Boot - Fire Resistance Testing. The LOTB must protect the wearer when exposed to flame for a short time (4 seconds) and remain functional. Functional is defined as the boot still

enabling the user to walk away from the threat. The lacing system does not have to be in working condition after exposure but intact to allow the wearing of the boot on the foot in case of emergency exit. When tested in accordance with ASTM F1930-11, the boot and laces must self extinguish after the four (4) second burn. There must be video and written report submitted to demonstrate.

4.3 Whole Boot - Breathability Testing. The following boot breathability test is designed to indicate the Moisture Vapor Transmission Rate (MVTR) through the boot by means of a difference in concentration of moisture vapor between the interior and the exterior environment. Left and right boots of two (2) pairs must be tested and the result must be averaged. Each boot must be tested in accordance with the method described in paragraph 4.3.1. The average whole boot breathability (MVTR) of the LOTB must not be less than 5.0 grams/hour.

4.3.1 The Whole Boot Breathability Test must be conducted as follows:

Apparatus.

- a. The external test environment control system must be capable of maintaining 23 °C (± 1 °C) and 50 percent (± 2 percent) relative humidity throughout the test duration;
- b. The weight scale must be capable of determining weight of boots filled with water to an accuracy of plus or minus 0.01 gram;
- c. The Water Holding Bootie Insert (WHBI) must be flexible so that it can be inserted into the boot and conform to the interior contours;
 - It must be thin enough so that folds do not create air gaps;
 - In accordance with ASTM E96B (see note 1), it must have a MVTR value ranging between 920-990 grams/square meter/24 hours; and
 - It must be waterproof so that only moisture vapor contacts the interior of the footwear product rather than liquid water. After every five (5) uses of the WHBI it must be disposed of and replaced.
- d. The water circulating bath system for the boot must be capable of controlling the temperature of the water uniformly in the boot to 35 °C (± 1 °C) as measured in the toe area of the boot;
- e. The footform assembly used with the water circulating bath system must have a boot plug oriented 12.5 centimetres (5.0 inches) as measured from the bottom of the plug surface to the inside sole in the heel area;
- f. The boot plug must be oval shaped measuring 8.9 cm by 6.3 cm (3.5 in by 2.5 in);
- g. The top of the boot must be sealed to create an impervious barrier to both liquid water and water vapour;

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- h. Boots must be laced to the top of the lacing system. Allow for 25.4 mm (± 12.7 mm) (1 inch (± 0.5 inch)) separation between lateral and medial eyelet stays, with possible exception of the eyelets at the top of boot and boot plug area. Maximize seal security at top of boot;
- i. A stationary 15.2 cm (6.0 in) diameter fan must be used to create the air current past the boot;
- j. The stationary fan must be positioned perpendicular to the test surface and be raised so the center of the fan is 12.7 cm (5.0 in) from the test surface;
- k. The air current origin must be 39.4 cm (15.5 in) from the back heel edge of the boot (D). Refer to Diagram 1;

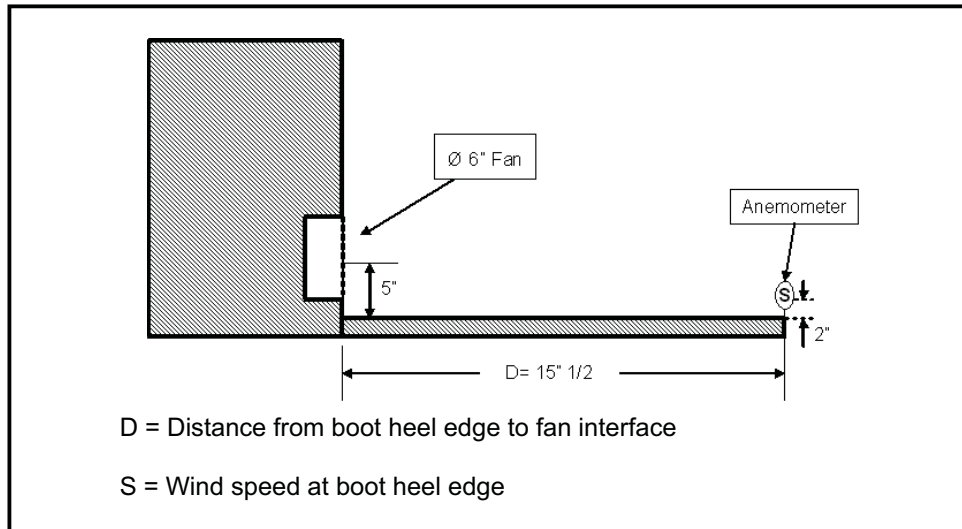


DIAGRAM 1. Whole Boot Breathability Bench-top Set-Up

- l. The air current must be 250 feet/minute (± 30 feet/minute) at the heel edge of the boot (S). Measurement must be taken without the boot assembly in place 5.1 cm (2.0 in) up from the test surface at the fan center.

Note 1: Determine MVTR in accordance with ASTM E96 Method B with either side of the test membrane facing the water. The free stream air velocity must be 550 (± 50) feet/minute (fpm) as measured 5.1 cm (2.0 in) above the specimen. The airflow must be measured at least 5.1 cm (2.0 in) from any other surface. The test must be run for 24 hours and weight measurements must be taken at only the start and completion of the test. At the start of the 24-hour test period, the air gap between the water surface and the specimen must be 19 mm (± 1.5 mm) (0.75 inches (± 0.06 inches)).

Procedure.

- a. Remove the removable cushion insert from the boot sample;
- b. Weigh boot sample and record (this will be the unconditioned weight);
- c. The boot must be conditioned in the test environment for a minimum of 12 hours before testing;
- d. Insert WHBI and footform assembly into boot opening and fill with water preheated to 35 °C (± 1 °C) to a height of 12.5 cm (5 in) as measured from the inside sole in the heel area and seal opening with boot plug. The water must be in contact with the bottom of the boot plug;
- e. Regulate water temperature in boot at 35 °C (± 1 °C);
- f. Disconnect water circulating system and weigh boot assembly and record as W_i . The water volume in system must be noted at the time of weighing;
- g. After weighing reconnect water circulating system and maintain the temperature in boot at 35 °C (± 1 °C) for 6 hours (± 5 minutes);
- h. The boot assembly must be oriented such that the boot sole lies flat on the testing surface with the heel furthest from the fan interface and in line with the center of the stationary fan (see Diagram 2);

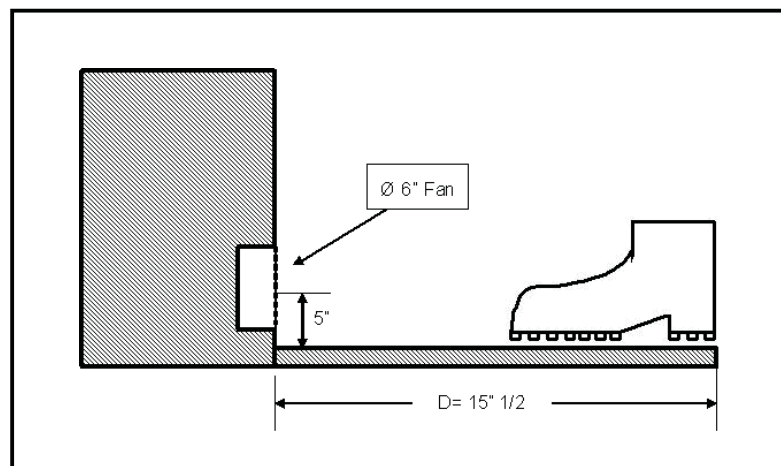


DIAGRAM 2. Whole Boot Breathability Bench-top Set-Up with Boot

- i. After 6 hours (± 5 minutes), reweigh boot assembly. The water volume in system must match the noted W_i volume. Record weight as W_f and test duration as 6 hours;

- j. Compute whole boot MVTR in grams/hour from the equation below:

$$MVTR = \frac{W_i - W_f}{6}$$

- k. If test is aborted for any reason, thoroughly dry boot to within 5 grams of original boot weight (Step b). Recondition boot sample in test environment for the required length as outlined, and begin test procedure again.

4.4 Slip Resistance Testing. Each boot (left and right) of one (1) pair of boots must be tested in accordance with SATRA TM144 on a wet (with distilled water) SATRA Turf surface with a rubber crumb. Footwear must be tested in two modes - forward flat slip and forward heel slip. The minimum test results for slip resistance must be the following:

Forward flat slip = Coefficient of Friction of 0.35 μ
Forward heel slip = Coefficient of Friction of 0.25 μ

4.5 Static Dissipation. As static electricity build-up or sparking may detonate blasting caps, when tested in accordance with CSA Z195-09, each test specimen should fall in the range of 10^6 to 10^8 ohms for a period of 5 seconds. Each boot of a pair must be tested.

4.6 Drying Rate. The materials of the LOTB should allow personnel to dry out the complete boot assembly when not being worn after a battle day cycle of twelve hours. Two (2) pairs of boots sized Mondopoint 265/104 must be tested. When tested in accordance with the CTT Drying Rate Test (Group CTT (3000, rue Boullé, St-Hyacinthe, Quebec Tel: (877) (288-8378)), the boot must be a minimum of 30% dry in a period of eight hours.

4.6.1 Procedure. Sample must be pre-conditioned for at least 24 hours at 21° Celsius (+/-2° C) with 65% (+/-2%) relative humidity. The chamber must be set at 10 degrees Celsius and 50% relative humidity.

4.6.2 For thirty (30) second duration, the boot (with removable inserts inside) must be fully immersed in distilled water with the outsole at the bottom of a water tank and the water level at minimum of one (1) inch above the top of the boot. Then the boot is removed and turned upside down with the outsole kept horizontal to drain the excess of water for two (2) minutes. With the inserts remaining inside, the boot outsole must be placed flat in the climatic chamber.

4.7 Exposure to Chemicals.

4.7.1 Upper Materials.

4.7.1.1 Testing for exposure to perspiration, sea water, and road salt (see definition in para 4.7.4.1) is essential and must be done on all materials used on the upper of the boot at the toecap, vamp, upper and lower quarters, eyelet stay, and the collar. Test specimens must be exposed to chemicals in accordance with the test procedure outlined in paragraph 4.7.4.2 and examined for changes to appearance.

4.7.1.2 Testing for exposure to DEET insect repellent (see definition in para 4.7.4.1) is desirable and should be done on all materials used on the upper of the boot at the toecap, vamp, upper and lower quarters, eyelet stay, and the collar. Test specimens should be exposed in accordance with the test procedure outlined in paragraph 4.7.4.2 and examined for changes resulting in the degradation of materials.

4.7.2 **Sole Components.** Testing for exposure to standard petroleum, oils, and lubricants (POLs) and anti-freeze solution (see definition in para 4.7.4.1) is essential and must be done on materials used on the outsole and midsole (if utilized). Test slabs must be exposed to chemicals in accordance with the test procedure outlined in paragraph 4.7.4.2 and examined for changes resulting in the degradation of materials.

4.7.3 **Testing for changes resulting in degradation of the materials.** After exposure to the chemical using the test procedure outlined in paragraph 4.7.4.2, the materials must not have any changes resulting in degradation affecting end item/component performance. Examples of changes in degradation would be pitting, decomposition, clouding, crazing, cracking, and delamination of materials (defined as separation, bubbling, cracking, or holes between layers of material), dissolving of the material(s) and disintegration of the material(s).

4.7.4. **Chemical Information and Test Procedure.**

4.7.4.1 **Chemical Information.**

- a. Perspiration in accordance with CAN/CGSB -4.2 Method 23 (paragraphs 4.5 and 4.6);
- b. Sea Water in accordance with CAN/CGSB-4.2 Method 21 (paragraph 4.5);
- c. Road Salt Mixture (solid, 77% minimum calcium chloride (type S, Grade 1) in accordance with ASTM D98, dissolved in water to make a 1:4 ratio mixture of road salt to water;
- d. DEET insect repellent liquid (75%) and cream (32%) in accordance with CAN/CGSB-15.19;
- e. Petroleum, Oils, and Lubricants (POLs):
 - Jet fuel in accordance with CAN/CGSB-3.22;
 - Lubricating Oil (SAE Grade 50 (military grade 1100, commercial grade 100) in accordance with SAE J1966*6);
 - Diesel Fuel (Grade 2, 100%) in accordance with ASTM D975; and
 - Gasoline (Reference Fuel B, Isooctane (70%) and Toluene (30%)) in accordance with motor fuels, section 1 of ASTM D2699;
- f. Anti-Freeze (ethylene glycol (reagent grade) 50% volume and distilled water, 50% volume).

4.7.4.2 Test Procedure.

- a) Two (2) specimens of each material must be tested separately to each chemical. Size of the specimens must be 4-inches (10.2 cm) square. The chemicals must be placed on the side of the material that is intended to be the outer face side;
- b) Two (2) drops (1/20 mL (50 µL)) of each of test chemical must be placed on the top of the test specimen;
- c) The whole test area must then be covered with a glass plate and weighted to a total pressure of 6.895 kPa (1 psi). This weighted cover must be left in place for one (1) hour; and
- d) The material sample must then be visually examined for changes resulting in the degradation of materials (as defined in paragraph 4.7.3) and the results reported.

5.0 QUALITY ASSURANCE AND WARRANTY

5.1 A DND Director Quality Assurance (DQA) representative will be assigned to the LOTB contract to conduct inspections as required to ensure quality standards meet the specification throughout the manufacturing process. It is mandatory that the Contractor have in place an acceptable QA program.

5.2 **Shelf Life.** Warehouse conditions could vary from 0°C to +35°C with a relative humidity level varying from 15% to 90%.

- a. The LOTB system (boot and removable components) must not require any maintenance during a two (2) year storage period; and.
- b. New pairs of LOTB, packaged in their original conditions, should withstand normal storage for a period of two (2) years from date of manufacture without any degradation in performance.

5.3 **Warranty.** There must be a two (2) years warranty on all components from date of manufacture.

5.4 **Field Life.** The LOTB to be sufficiently durable to meet a 240-day field life expectancy under normal Army operations in temperate conditions (as defined in paragraph 1.2.2).

6.0 PACKAGING

6.1 The LOTB must be individually packaged in accordance with CFTPO-LOTB. The abbreviated nomenclature for the label on the boxes must be as follows: Boots, Combat, Land Operations Temperate / Bottes, Combat, Operations Terrestres, Tempéré.

6.2 Care instructions, the second pair of removable inserts, and the second pair of laces must be provided with each pair of boots. These items must be inserted in a plastic bag and attached to one of the speed lacing eyelets.

6.3 Unless otherwise specified, the preparation, packaging, and delivery of the LOTB must be in accordance with the terms of the contract.

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Dated: 21 March, 2013

TABLE II - SIZE RANGE OF BOOTS, LAND OPERATIONS, TEMPERATE (NSN 8430-20-001-2410 A/A)

Mondopoint Size	NATO Stock Number	Mondopoint Size	NATO Stock Number	Mondopoint Size	NATO Stock Number
210/86	8430-20-006-1276	250/94	8430-20-001-2454	275/104	8430-20-001-2479
215/88	8430-20-001-2423	250/98	8430-20-001-2455	275/108	8430-20-001-2480
220/90	8430-20-001-2427	250/102	8430-20-001-2456	275/112	8430-20-001-2481
225/84	8430-20-001-2428	250/106	8430-20-001-2457	275/116	8430-20-001-2482
225/88	8430-20-001-2432	255/92	8430-20-001-2458	280/102	8430-20-001-2483
225/92	8430-20-001-2433	255/96	8430-20-001-2459	280/106	8430-20-001-2484
225/96	8430-20-001-2435	255/100	8430-20-001-2460	280/110	8430-20-001-2485
230/86	8430-20-001-2436	255/104	8430-20-001-2461	280/114	8430-20-001-2486
230/90	8430-20-001-2437	255/108	8430-20-001-2462	280/118	8430-20-001-2487
230/94	8430-20-001-2438	260/94	8430-20-001-2463	285/104	8430-20-001-2488
230/98	8430-20-001-2439	260/98	8430-20-001-2464	285/108	8430-20-001-2489
235/88	8430-20-001-2440	260/102	8430-20-001-2465	285/112	8430-20-001-2490
235/92	8430-20-001-2441	260/106	8430-20-001-2466	285/116	8430-20-001-2491
235/96	8430-20-001-2442	260/110	8430-20-001-2467	290/106	8430-20-001-2492
235/100	8430-20-001-2443	265/96	8430-20-001-2468	290/110	8430-20-001-2493
240/90	8430-20-001-2444	265/100	8430-20-001-2469	290/114	8430-20-001-2494
240/94	8430-20-001-2445	265/104	8430-20-001-2470	290/118	8430-20-001-2495
240/98	8430-20-001-2446	265/108	8430-20-001-2471	295/108	8430-20-001-2496
240/102	8430-20-001-2447	265/112	8430-20-001-2472	295/112	8430-20-001-2497
245/88	8430-20-001-2448	270/98	8430-20-001-2473	295/116	8430-20-001-2498
245/92	8430-20-001-2449	270/102	8430-20-001-2474	300/110	8430-20-001-2499
245/96	8430-20-001-2450	270/106	8430-20-001-2475	300/114	8430-20-001-2500
245/100	8430-20-001-2451	270/110	8430-20-001-2476	305/116	8430-20-001-2501
245/104	8430-20-001-2452	270/114	8430-20-001-2477	310/118	8430-20-006-1277
250/90	8430-20-001-2453	275/100	8430-20-001-2478	SPECIAL	8430-20-001-2502



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods

Pre-Production and Production Technical Evaluation Plan for the Land Operations Temperate Boot (LOTB)

Dated 25 March, 2013

Pre-Production and Production Technical Evaluation Plan for the Land Operations Temperate Boot (LOTB)

1.0 General.

1.1 Evaluation Plan. This annex describes how The Department of National Defence (DND) is to perform the pre-production and production technical evaluations of the Land Operations Temperate Boot (LOTB) in terms of evaluating physical samples for the quality of workmanship and for their ability to demonstrate capability to meet requisite technologies, and for conformance to specified materials and measurements outlined in **Annex B** (DSSPM 2-3-87-2410). The technical portion of the evaluation plan will be done through a technical verification performed by a team of DND Subject Matter Experts (SMEs) with the exception for the conformance to specified materials which will be proven by the Contractor with the appropriate test results from accredited independent laboratories or, when stated, Certificate(s) of Compliance (C of C).

1.1.1 Technical Verification: A technical verification will be completed to determine technical compliance through the examination of the physical examples, mandatory test results, C of C's, and supporting information outlined in paragraphs 1.2 to 1.4.

1.2 Samples. As part of the evaluation, to confirm a Contractors' capability of meeting the technical and performance requirements, the following samples outlined in Table I must be submitted:

Table I – Physical Samples To Be Submitted

Requirement – Pre-Production Stage	
One (1) pair of Land Operations Temperate Boots in Mondopoint size 265/104 with an extra pair of laces and removable inserts, and appropriate care labeling and packaging.	
Requirement – Production Stage	
No physical samples required at this stage unless deemed necessary by DND DQA or when there is any change in the source of supply for the material(s) that warrants seeing materials, components, or the application of the materials or components in a finished boot.	

1.2.1 The Contractor must ensure that the required sample is manufactured in full compliance with the technical and performance requirements outlined in Annex B (DSSPM 2-3-87-2410) and are fully representative of any quantity production.

1.3 Evaluation of Conformance To Specified Materials And Measurements Outlined In Annex B (DSSPM 2-3-87-2410).

1.3.1 Mandatory Material Testing Information. As part of the evaluation, to confirm a Contractors' capability of meeting the technical and performance requirements, the test results and/or certificates of compliance outlined in Table II must be submitted.

Table II – Mandatory Material Testing Information

Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements and Frequency	
			Pre-Production	Production
Boot Upper Material(s), and Sole Components, Lining, Removable Inserts, and Fittings (thread, lacing system, laces, etc))	Paragraph 3.3.3	COLOUR REQUIREMENTS (Visual Match) in accordance with AATCC Visual Procedure 9.	The samples and test results submitted at pre-production must be from the production lot that is intended for use in this current contract. Test results must be submitted. The pre-production samples must be representative of the finished product in all respects.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Upper Material(s)	Paragraph 3.4.1.1	EXPOSURE TO CHEMICALS – PERSPIRATION, SEA WATER, AND ROAD SALT in accordance with Annex B, paragraph 4.7	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results must be submitted and approved before the material is included in the production of the boot.
Sole	Paragraph 3.4.1.1	EXPOSURE TO CHEMICALS – POLs AND ANTI-FREEZE SOLUTION in accordance with Annex B, paragraph 4.7	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results must be submitted and approved before the material is included in the production of the boot.

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Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements and Frequency	
			Pre-Production	Production
Boot Lining	Paragraph 3.4.2	MICROBIAL TREATMENT in accordance with Annex B, paragraph 3.4.2.	PEST CONTROL PRODUCT REGISTRATION NUMBER that has been issued by the Pest Management Regulatory Agency of Health Canada <u>or</u> confirmation that the microbial is an Environmental Protection Agency (EPA)-registered product must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Boot Lining	Paragraph 3.4.2.1	ABRASION RESISTANCE in accordance with ASTM D4966-98 or SATRA TM31A	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Laces	Paragraph 3.4.6.2.1	BREAKING STRENGTH in accordance with ASTM D5034	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.

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Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements and Frequency	
			Pre-Production	Production
Outsole	Paragraph 3.4.7.2 and Table I	ABRASION RESISTANCE in accordance with ASTM D1630	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Outsole	Paragraph 3.4.7.2 and Table I	CUT GROWTH/ROSS FLEX in accordance with ASTM D1052	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Outsole	Paragraph 3.4.7.2 and Table I	VOLUME SWELL (FUEL B) in accordance with FED STD 601 Method 6001 and 6211	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Whole Boot - Weight	Paragraph 4.1	OVERALL WEIGHT (Average) in accordance with Annex B, paragraph 4.1	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results must be submitted and approved before the material is included in the production of the boot.

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Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements and Frequency	
			Pre-Production	Production
Whole Boot – Fire Resistance Testing	Paragraph 4.2	FIRE RESISTANCE TESTING in accordance with ASTM 1930-11	Test results must be submitted. Video and written report must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Whole Boot - Breathability Testing	Paragraph 4.3	MOISTURE VAPOUR TRANSMISSION RATE (MVTR) in accordance with Annex B, paragraph 4.3	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Slip Resistance Testing	Paragraph 4.4	SLIP RESISTANCE wet (with distilled water) SATRA Turf surface with rubber crumb in accordance with SATRA TM144.	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.
Drying Rate	Paragraph 4.6	DRYING RATE in accordance with CTT Drying Rate Test	Test results must be submitted.	When there is any change in the source of supply for the material(s), test results outlined at pre-production must be submitted and approved before the material is included in the production of the boot.

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1.3.2 Tests and Test Results.

1.3.2.1 Unless otherwise specified, all testing and test methods must be in accordance with the specified requirements. Test specimens must be sampled using best practices (for example, textiles taken from the same sample of cloth, leather conditioned and selected at random from each lot). An accredited independent laboratory familiar with polymer, textile, leather, and/or footwear-related testing must conduct all testing unless otherwise stated. Testing carried out by university textile testing laboratories will also be acceptable. Should a non-accredited laboratory be required for specific tests, approval must be sought and received in writing from the Contracting Authority in advance. Test results must be on official test laboratory stationary, it must be current (for pre-production testing it must be dated maximum six months before or after the main contract award date and for production testing it must be dated within two months of the date of Request for Design Change, Deviation, and Waiver Procedure documentation), it must make reference to the applicable specification, it must specify testing conditions/procedures followed, and have the original signature of the company's designated representative. The Government of Canada (GC) reserves the right to verify the statements made on the test report.

1.3.2.2 Tests and test results will be required on each component at the frequency stated in Table II before the material is delivered to Canada or put into end item production. Test results as specified in Table II must also be submitted before the material is put into production when there is any change in the source of supply for the material(s). DND written approval is required prior to using any material from a new supplier.

1.3.2.3 When a sample (leather, textile, etc) is required, the sample must be clearly identified and traceable to production lots. Written assurance to the fact that both the sample(s) and test reports are from the same lot. Sample(s) and test report(s) must be clearly labeled with production lot identification.

1.3.2.4 When required, the contractor must be able to provide the QA documentation to assure the fact that the test results were obtained on material(s) from the same production as the submitted sample(s).

1.3.2.5 When a sample is required for pre-production submission, the sample and associated test results must be from the first production lot being used for the contract.

1.3.2.6 All of the in-production test results must be submitted through the DND Quality Assurance Representative (DND QAR).

1.4 Pre-Production technical evaluation. There are three (3) phases to the pre-production technical evaluation:

- **Phase I (Technical Verification of Mandatory Test Results)** will be completed to determine technical compliance through the submission of mandatory test results outlined in Table II. Phase I will be a pass (compliant) or fail (non-compliant) scenario.
- **Phase II (Technical Verification of Bid Evaluation Rated Requirements)** will be completed to verify that test results for weight, slip resistance (forward flat), and drying rate (as outlined in Table II) are within compliance to those submitted as part of the Bid

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Evaluation Rated Requirements completed at Pre-Award Stage. Phase II will be a pass (compliant) or fail (non-compliant) scenario.

- **Weight:** Test results must be submitted. Negative tolerances resulting in a decrease in weight will be allowed. Positive tolerances resulting in an increase in weight will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, the Contractor will be requested to resubmit the test results as per the terms of the contract. For example:

Boot A	Pre-Award	Trial	Result
Average Weight	798.0 grams	790.0 grams	Negative Tolerance - Compliant
Average Weight	798.0 grams	821.0 grams	Positive Tolerance – Non-Compliant

- **Slip Resistance – Forward Flat Slip on wet (with distilled water) SATRA turf surface with rubber crumb:** Test results will be submitted. Positive tolerances resulting in increase in slip resistance will be allowed. Negative tolerances resulting in a decrease in slip resistance will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, the Contractor will be requested to resubmit the test results as per the terms of the contract. For example:

Boot A	Pre-Award	Trial	Result
Slip Resistance	0.39 μ	0.42 μ	Positive Tolerance - Compliant
Slip Resistance	0.39 μ	0.35 μ	Negative Tolerance – Non-Compliant

- **Drying Rate:** Test results will be submitted. Positive tolerances resulting in increase in percentage dry in 8 hours will be allowed. Negative tolerances resulting in a decrease in percentage dry in eight hours will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, the Contractor will be requested to resubmit the test results as per the terms of the contract. For example:

Boot A	Pre-Award	Trial	Result
Drying Rate	92.3% dry in 8 hours	95.8% dry in 8 hours	Positive Tolerance - Compliant
Drying Rate	92.3% dry in 8 hours	82.6% dry in 8 hours	Negative Tolerance – Non-Compliant

- **Phase III (Workmanship and Construction Evaluation).** As part of the evaluation, to confirm a Contractors' submission for the quality of workmanship and for the ability to demonstrate capability to meet requisite technologies, the workmanship and construction will be evaluated using the criteria outlined in Table III. Phase III will be a pass (compliant) or fail (non-compliant) scenario.

▪ **Definitions.**

- **Deviation.** A deviation is defined as a non-compliance of an essential performance or design requirement outlined in Annex B.
- **Infraction.** An infraction is defined as a workmanship or construction issue evaluated to be non-compliant that directly affects serviceability of the boot or affects overall quality assurance.
- **Observation.** An observation is defined as a workmanship or construction issue evaluated to be non-compliant that does not necessarily affect serviceability of the boot but affects overall quality assurance.
- **Maximums.** No workmanship and construction deviations will be accepted in any of the pre-production samples. A maximum of three (3) workmanship and construction infractions will be accepted in the pre-production samples to then be corrected in production. Observations will be noted and referenced in the pre-production evaluation to then be corrected in production. Workmanship or construction issues found with the submission not listed in Table III will be deemed as an observation.

Table III – Workmanship and Construction Evaluation

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)	
		Deviation	Observation
Paragraph 3.3.2 (Height)	Finished height as measured on the outside of the boot from the bottom of the heel (on a level surface) to the highest point of the collar on a pair of Mondopoint 265/104 boots must be between 21.5 cm and 22.5 cm. Height must be graded proportionately to the size.	X	
Paragraph 3.3.3 (Colour)	The colour requirements for the upper components, bottoming components, lining, removable cushion inserts, and fitting (lacing system, laces, etc.) must be a commercial brown.	X	
Paragraph 3.4.1 (Boot upper material)	The LOTB must have a matte finish in order to minimize light reflection.	X	
Paragraph 3.4.6 (Closure System)	The LOTB must be a lace-to-toe closure design.	X	

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Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Paragraph 3.4.6.1 (Speed Lacing)	Leather and uncoated metal lacing systems cannot be used.	X		
Paragraph 3.4.6.2 (Laces)	The length of the laces must be 75 inches with a +3.0 inch tolerance (190.5 cm with a +7.6 cm tolerance). The lace tips must be self-fused for a length of 25.0 mm (+/- 3.0mm).	X		
Paragraph 3.4.7.3 (Outsole Lug Depth)	When measured in accordance with the Figure 1, the lug depth or cleat height (d ₂) for any part of the outsole must be a minimum of 4.0 mm.	X		
Paragraph 3.4.10 (Labels and Marking)	Labeling omitted, incorrect, illegible, or incomplete.			X
Paragraph 3.4.10.1 (Marking of Removable Inserts)	Marking omitted, incorrect, illegible, or incomplete.			X
Paragraph 3.5.1 (Sole Attachment Methods)	The sole attachment method must be Goodyear Welt or Injection Moulding process.	X		
Paragraph 6.0 (Packaging)	Packaging omitted, incorrect, or incomplete.			X
Paragraph 6.2 (Packaging)	Care instructions must be provided and inserted in a plastic bag with the second pair of removable cushion inserts and second pair of laces.			X
Construction and Assembly - General	Applicable to all components and assemblies unless otherwise indicated.			
Construction and Assembly - General	Incomplete manufacturing process.		X	
Construction and Assembly - General	Cuts, tears, holes, rips, mend, lumps, creases, weak place, or other deficiencies seriously affecting serviceability.		X	

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Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Construction and Assembly - General	Material defects such as, but not limited to, boney, loose, flanky, or otherwise inferior upper materials, weak spots or mends, discolouration, etc.		X	
Construction and Assembly - General	Manufacturing defects such as, but not limited to, burns, blooms, staining, discolouration, hazing, blisters, embedded foreign material, pits, air pockets, etc.		X	
Construction and Assembly - General	Incomplete or incorrect bonding of bottoming components.		X	
Construction and Assembly - General	Needle chews likely to develop into a hole.		X	
Construction and Assembly - General	Poor or uneven lasting affecting serviceability.		X	
Construction and Assembly - General	Components missing.		X	
Construction and Assembly - General	Noticeable separation of parts		X	
Construction and Assembly - General	Any open seam, any row of stitching missing, stitching uneven tension, appropriate number of stitches per inch for material, loose stitching resulting in loosely secured seam, tight stitch resulting in puckering of fabric or assembly, thread ends not trimmed, or parts caught in an unrelated row of stitching.		X	
Construction and Assembly - General	Grease, oil, or other foreign matter on outside or inside of finished footwear.		X	
Construction and Assembly - General	Pairs of finished boots not right and left of same size.		X	
Construction and Assembly - General	Pairs of finished boots have significant variation in shade or colour.			X

*NOTE: The classification of "infraction" is for the purposes of evaluation only.

22 February 2013

Bid Evaluation Rated Requirements



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods

STAGE II - POINT RATED REQUIREMENT	Stage II and Stage III - Bid Evaluation Rated Requirements				
	Reference	Details			
	OVERALL APPEARANCE defined in terms of aesthetic value, function, silhouette, shape, pattern, and use of materials.	The appearance will be judged by a representative audience of a minimum of ninety (90) Land Force users. Military personnel will be varied, composed of men and women between the ages of 17 to 60, of all ranks and function. The boots will be shown within the military personnel in the National Capital Region and will be moved to other Land Force units across Canada. Scores for appearance will be prioritized using a tau-x correlation coefficient. Points will be assigned to each boot based on its position in the consensus ranking.	Appearance - Top Five	Points	Multiplier
First Place			1.0	30	
Second Place			0.8		
Third Place			0.6		
Fourth Place			0.4		
Fifth Place			0.2		
STAGE III - POINT RATED REQUIREMENTS					
	AVERAGE WEIGHT in accordance with Annex B, paragraph 4.1	Average Weight:). Six (6) boots, the left and right boots of three (3) pairs (excluding the inserts and laces), must be weighted and the results must be averaged. Individual boots of a pair must be within +/- 10.0 grams.	Average Weight (grams per boot)	Points	Multiplier
			First Place	1.0	25
			Second Place	0.8	
			Third Place	0.6	
			Fourth Place	0.4	
			Fifth Place	0.2	
	DRYING RATE in accordance with Annex B, paragraph 4.6	Drying Rate: Two (2) boots sized 265/104 must be tested, the average drying rate will be determined from these two tests and applicable points will be allocated.	Drying Rate (percentage of dryness in eight (8) hours). Minimum of 30% dry.	Points	Multiplier
			First Place	1.0	25
			Second Place	0.8	
			Third Place	0.6	
			Fourth Place	0.4	
			Fifth Place	0.2	
	SLIP RESISTANCE in accordance with Annex B, paragraph 4.4	Slip Resistance: Test results for forward flat slip resistance on wet (with distilled water) SATRA Turf surface (with a rubber crumb) will be determined and allocated the applicable points.	Forward Flat Slip Resistance (COF)	Points	Multiplier
			First Place	1.0	20
			Second Place	0.8	
Third Place			0.6		
Fourth Place			0.4		
Fifth Place			0.2		
NOTE: Weighted score will be determined by multiplying the pointage obtained for each attribute by the multiplier indicated in the evaluation grid. Rating explanations are summarized in Annex G.					

TRIAL QUANTITY
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SIZE ROLL DISTRIBUTION
 DISTRIBUTION DE TAILLE
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W8476-113039
 ANNEX E
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 Rev/. 22 February/fevrier 2013

TRIAL QUANTITY QUANTITE D'ESSAI		Delivery address Destination			
Item Article	LAND OPERATIONS TEMPERATE BOOT BOTTES D,OPERATIONS TERRESTRES POUR CLIMAT TEMPERE A/A8430-20-001-2410	Size Grandeur	Unit of issue Unité de dotation	QTY / QTE NDHQ / LSTL W8476	Total
		260/98	PR	26	26
		260/106	PR	13	13
		265/100	PR	27	27
		265/108	PR	13	13
		270/102	PR	27	27
		270/110	PR	13	13
		275/104	PR	28	28
		275/112	PR	14	14
		280/106	PR	26	26
		280/110	PR	13	13
TOTAL:					200



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods.

TRIAL QUANTITY
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SIZE ROLL DISTRIBUTION
 DISTRIBUTION DE TAILLE
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W8476-113039
 ANNEX E
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 Rev/. 22 February/fevrier 2013

FIRM QUANTITY / QUANTITE FERME				Delivery address Destination		
Item Article	LAND OPERATIONS TEMPERATE BOOT BOTTES D, OPERATIONS TERRESTRES POUR CLIMAT TEMPERE A/A8430-20-001-2410	Size Grandeur	Unit of issue Unité de dotation	QTY / QTE Montreal Depot W1941	QTY / QTE Edmonton Depot W2481	Total
	8430-20-006-1276	210/86	PR	60	30	90
	8430-20-001-2423	215/88	PR	370	150	520
	8430-20-001-2427	220/90	PR	370	150	520
	8430-20-001-2428	225/84	PR	370	150	520
	8430-20-001-2432	225/88	PR	370	150	520
	8430-20-001-2433	225/92	PR	370	150	520
	8430-20-001-2435	225/96	PR	240	100	340
	8430-20-001-2436	230/86	PR	370	160	530
	8430-20-001-2437	230/90	PR	240	80	320
	8430-20-001-2438	230/94	PR	240	100	340
	8430-20-001-2439	230/98	PR	290	130	420
	8430-20-001-2440	235/88	PR	240	80	320
	8430-20-001-2441	235/92	PR	270	110	380
	8430-20-001-2442	235/96	PR	370	150	520
	8430-20-001-2443	235/100	PR	270	130	400
	8430-20-001-2444	240/90	PR	240	80	320
	8430-20-001-2445	240/94	PR	370	150	520
	8430-20-001-2446	240/98	PR	370	160	530
	8430-20-001-2447	240/102	PR	270	130	400
	8430-20-001-2448	245/88	PR	240	90	330
	8430-20-001-2449	245/92	PR	270	150	420
	8430-20-001-2450	245/96	PR	730	320	1050
	8430-20-001-2451	245/100	PR	510	220	730
	8430-20-001-2452	245/104	PR	370	160	530
	8430-20-001-2453	250/90	PR	240	90	330
	8430-20-001-2454	250/94	PR	400	240	640

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 ANNEX E
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FIRM QUANTITY / QUANTITE FERME				Delivery address Destination		
Item Article	LAND OPERATIONS TEMPERATE BOOT BOTTES D,OPERATIONS TERRESTRES POUR CLIMAT TEMPERE A/A8430-20-001-2410	Size Grandeur	Unit of issue Unité de dotation	QTY / QTE Montreal Depot W1941	QTY / QTE Edmonton Depot W2481	Total
	8430-20-001-2455	250/98	PR	570	270	840
	8430-20-001-2456	250/102	PR	1120	440	1560
	8430-20-001-2457	250/106	PR	600	240	840
	8430-20-001-2458	255/92	PR	370	160	530
	8430-20-001-2459	255/96	PR	660	280	940
	8430-20-001-2460	255/100	PR	1450	630	2080
	8430-20-001-2461	255/104	PR	1320	660	1980
	8430-20-001-2462	255/108	PR	660	280	940
	8430-20-001-2463	260/94	PR	430	200	630
	8430-20-001-2464	260/98	PR	890	460	1350
	8430-20-001-2465	260/102	PR	2050	930	2980
	8430-20-001-2466	260/106	PR	1670	730	2400
	8430-20-001-2467	260/110	PR	330	930	1260
	8430-20-001-2468	265/96	PR	730	320	1050
	8430-20-001-2469	265/100	PR	1170	440	1610
	8430-20-001-2470	265/104	PR	2450	1120	3570
	8430-20-001-2471	265/108	PR	1790	830	2620
	8430-20-001-2472	265/112	PR	730	320	1050
	8430-20-001-2473	270/98	PR	730	320	1050
	8430-20-001-2474	270/102	PR	1170	440	1610
	8430-20-001-2475	270/106	PR	2860	1310	4170
	8430-20-001-2476	270/110	PR	1450	840	2290
	8430-20-001-2477	270/114	PR	600	230	830
	8430-20-001-2478	275/100	PR	860	400	1260
	8430-20-001-2479	275/104	PR	1170	440	1610
	8430-20-001-2480	275/105	PR	2240	1040	3280

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SIZE ROLL DISTRIBUTION
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 ANNEX E
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FIRM QUANTITY / QUANTITE FERME				Delivery address Destination		
Item Article	LAND OPERATIONS TEMPERATE BOOT BOTTES D,OPERATIONS TERRESTRES POUR CLIMAT TEMPERE A/A8430-20-001-2410	Size Grandeur	Unit of issue Unité de dotation	QTY / QTE Montreal Depot W1941	QTY / QTE Edmonton Depot W2481	Total
	8430-20-001-2481	275/112	PR	1390	700	2090
	8430-20-001-2482	275/116	PR	370	160	530
	8430-20-001-2483	280/102	PR	1240	530	1770
	8430-20-001-2484	280/106	PR	1980	730	2710
	8430-20-001-2485	280/110	PR	1720	790	2510
	8430-20-001-2486	280/114	PR	860	400	1260
	8430-20-001-2487	280/118	PR	280	130	410
	8430-20-001-2488	285/104	PR	620	270	890
	8430-20-001-2489	285/108	PR	1320	660	1980
	8430-20-001-2490	285/112	PR	1240	530	1770
	8430-20-001-2491	285/116	PR	420	210	630
	8430-20-001-2492	290/106	PR	730	310	1040
	8430-20-001-2493	290/110	PR	850	400	1250
	8430-20-001-2494	290/114	PR	730	310	1040
	8430-20-001-2495	290/118	PR	290	130	420
	8430-20-001-2496	295/108	PR	370	150	520
	8430-20-001-2497	295/112	PR	500	230	730
	8430-20-001-2498	295/116	PR	150	370	520
	8430-20-001-2499	300/110	PR	290	130	420
	8430-20-001-2500	300/114	PR	370	150	520
	8430-20-001-2501	305/116	PR	370	150	520
	8430-20-006-1277	310/118	PR	60	20	80
TOTAL:				54,670	25,330	80,000
 NOTICE				This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods.		

Dated 08 April, 2013



NOTICE

This document has been examined for content and confirmed that it has no references to controlled goods.

User Evaluation Trial for the Land Operations Temperate Boot (LOTB)

Dated 08 April, 2013

User Acceptance Evaluation For The Land Operations Temperate Boot (LOTB)

1.0 General.

- 1.1 **User Acceptance Evaluation.** This annex describes how The Department of National Defence (DND) is to perform an uncontrolled user evaluation of the Land Force Temperate Boot (LOTB) to determine suitability of service for the Land Force. The aim of the user evaluation trial is to confirm that footwear submitted in response to the specification for the Canadian Forces Land Operations Temperate Boot (LOTB) (**Annex B (DSSPM 2-3-87-2410)**) meets the performance requirements identified for Land Force personnel.
- 1.2 The LOTB must provide enhanced foot protection for Land Force operations in temperate weather within the ambient temperature range of 0 degrees Celsius to +35 degrees Celsius with humidity ranging from 45% to 100%.
- 1.3 The User Acceptance Evaluation will be conducted at various bases for a period of forty-five (45) days to account for the various regional factors. The LOTBs will be exposed to a full range of tasks.
- 1.4 Evaluation participants will wear footwear during their normal training, military exercises, and prescribed duties. See **Annex K** (Canadian Army – Field Force Unit Typical Training Cycle) for a list of individual training, specialized courses, collective training, garrison duties, and exercises.
- 1.5 **Evaluation Quantities.** Three (3) remaining contenders will be contracted to acquire a total of two hundred (200) boots each to support the User Acceptance Evaluation. The quantities and sizes are outlined in **Annex E** (Size Roll (Trial Quantities)).
- 1.6 **Activities.**
 - 1.6.1 **Fitting Exercise.** In order to control variables in socks worn during the evaluation, Human Factors Observers (HFOs) will give all evaluation participants quantities of the Hot Weather Sock. HFOs will fit the participants with candidate LOTBs corresponding to their length and width as measured with a foot measuring device for Mondopoint sizing. Boots varying by one size in length, width, or both length and width will be available as well. Each participant will walk a specified distance to confirm their sizing and, if applicable, retry additional sizes in order to obtain a proper of fit. Sizes will be recorded.
 - 1.6.2 **Compatibility.** The HFOs will confirm that participants will wear footwear with applicable clothing and equipment, doing representative Land Force tasks, for the duration of the evaluation to assess compatibility.
 - 1.6.3 **Wearability, Comfort, and Durability.** Evaluation participants will be made aware of the care instructions for the footwear.

Dated 08 April, 2013

- 1.7 **Questionnaires.** HFOs will administer questionnaires to the evaluation participants at the conclusion of the forty-five (45) day evaluation. See **Annex J** (LOTB Trial Questionnaire) for details.
- 1.8 **Focus Group.** HFOs will conduct a separate focus group consisting of personnel wearing each candidate LOTB to gain insight into the scores provided and questionnaires. For example, if quantities of all three LOTB candidates were trialed at Base A, there would be three focus groups at that base - one group for each candidate.
- 1.9 **Suitability For Service.** A candidate LOTB must achieve 60% user acceptability to be compliant with the user portion of the bid evaluation.
- 2.0 **User Acceptability Calculation.** The total points from the questionnaires will be summed and then divided by the total amount of questions (33) to obtain the average score for the questionnaire. The average score will then be divided by 7, maximum score per question) and multiplied by 100 to obtain the User Acceptance Percentage for the questionnaire.

Example: Boot A:

Questionnaire points allotted: 220 points
 $220 / 33 = 6.66$ average score
 $6.66/7 = .9514 \times 100$

User Acceptance Percentage: 95.14%

All questionnaire User Acceptance Percentages will be added and then averaged to achieve the overall User Acceptance Percentage for a single boot type.



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods

Pre-Award Technical Evaluation Plan for the Land Operations Temperate Boot (LOTB)

Dated 25 March, 2013

**Pre-Award Technical Evaluation Plan
for the Land Operations Temperate Boot (LOTB)**

1.0 General.

1.1 Evaluation Plan. This annex describes how The Department of National Defence (DND) is to perform the pre-award technical evaluation of Land Operations Temperate Boot (LOTB) submissions in terms of evaluating physical samples for the quality of workmanship and for their ability to demonstrate capability to meet requisite technologies, and for conformance to specified materials and measurements outlined in **Annex B** (DSSPM 2-3-87-2410). The technical portion of the evaluation plan will be done through a technical verification performed by a team of DND Subject Matter Experts (SMEs) with the exception for the conformance to specified materials which will be proven by the submission from the Bidder with the appropriate test results from accredited independent laboratories or, when stated, Certificate(s) of Compliance (C of C).

2.0 Stages. There are three stages to the evaluation; Stage I (Technical Verification), and two point-rated requirement stages, Stage II (Appearance) and Stage III (Average Weight, Slip Resistance, and Drying Rate). Stage II will be completed solely on submissions deemed compliant in Stage I. Stage III will be completed on the top five (5) boots from Stage II. Refer to **Annex D** (Bid Evaluation Rated Requirements) for details on point ratings. The details are as follows:

- **Stage I (Technical Verification)** will be completed on all bid submissions to determine technical compliance through the examination of the physical examples, mandatory test results, C of C's, and supporting information outlined in paragraphs 2.1 and 2.2. Stage I will be a pass (compliant) or fail (non-compliant) scenario;
- **Stage II (Appearance)** consists of each compliant bid being rated on appearance. A representative audience of a minimum of ninety (90) Land Force users from across Canada, composed of men and women from 17 to 60 years old, of various ranks and functions, will judge the appearance. Appearance is defined in terms of aesthetic value, function, silhouette, shape, pattern, and use of materials. Individually, each selected Land Force user will rank the boots in comparison to the other boots. All these rankings will be added together using a tau-x correlation coefficient to obtain a consensus ranking. The top five (5) boots in terms of the appearance will continue onto Stage III;
- **Stage III (Average Weight, Slip Resistance, and Drying Rate)** consists of the top five (5) boots in Stage II being rated against each other in terms of Average Weight, Slip Resistance, and Drying Rate. Points will be assigned to each boot based on results ranking. Details are as follows:
 - **Average Weight:** The average weight of the left and right boots of three (3) pairs of Mondopoint 265/104 boots (excluding the removable insoles and laces) will be determined using the test results submitted for the pre-award evaluation and allocated the applicable ranking;

Dated 25 March, 2013

- **Slip Resistance:** Forward flat slip resistance on wet (with distilled water) SATRA Turf surface with rubber crumb for each boot of a pair will be determined from the test results submitted for the pre-award evaluation and allocated the applicable points;
- **Drying Rate:** The average drying rate of two (2) tests completed on the whole boot (Mondopoint 265/104) will be determined from the test results submitted for the pre-award evaluation and allocated the applicable points.
- **Tiebreaker:** In selecting the top three technical boots, if a tie (total points) were to occur, the tiebreak would be done by first choosing the boot with the highest rank in weight. If still tied, then the boot with the highest rank in average drying rate will be used. Should there still continue to be a tie, the final tiebreaker will be the unit price of the boots for the firm quantity delivered to the Montreal Depot (25CFSD).

2.1 **Samples.** As part of the evaluation, to confirm a Bidders' capability of meeting the technical and performance requirements, the following samples outlined in Table I must be submitted:

Table I – Physical Samples To Be Submitted

Requirements
A. One (1) pair of Land Operations Temperate Boots in Mondopoint size 265/104 with an extra pair of laces and removable inserts, and appropriate care labeling and packaging.
B. One boot in Mondopoint size 265/104 cut in half lengthwise (toe to heel) to demonstrate how the boot is constructed.

- 2.1.1 The Bidder must ensure that the required samples are manufactured in accordance with the technical and performance requirements outlined in **Annex B** (DSSPM 2-3-87-2410) and are fully representative of any quantity production.
- 2.1.2 The Bidder must ensure that the required physical samples and packaging have no suppliers' identifiable markings.
- 2.1.3 **Material Substitutions.** There will be no material substitutions or colour substitutions allowed in the pre-award samples.

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2.2 Evaluation of Conformance To Specified Materials And Measurements Outlined In Annex B (DSSPM 2-3-87-2410).

2.2.1 Mandatory Material Testing Information. As part of the evaluation, to confirm a Bidders' capability of meeting the technical and performance requirements, the test results and/or certificates of compliance outlined in Table II must be submitted.

Table II – Mandatory Material Testing Information

Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements	
			Pre-Award	
Boot Upper Material(s)	Paragraphs 3.4.1.1 and 4.7	EXPOSURE TO CHEMICALS – PERSPIRATION, SEA WATER, AND ROAD SALT in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 4.7.	Certificate(s) of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Boot Sole Component(s)	Paragraphs 3.4.1.1 and 4.7	EXPOSURE TO CHEMICALS – PETROLEUM, OILS, AND LUBRICANTS (POLs) AND ANTI-FREEZE SOLUTION in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 4.7.	Certificate(s) of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Boot Lining	Paragraph 3.4.2	MICROBIAL TREATMENT in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 3.4.2	PEST CONTROL PRODUCT REGISTRATION NUMBER that has been issued by the Pest Management Regulatory Agency of Health Canada <u>or</u> confirmation that the microbial is an Environmental Protection Agency (EPA)-registered product must be submitted.	
Boot Lining	Paragraph 3.4.2.1	ABRASION RESISTANCE in accordance with ASTM D4966-98 or SATRA TM31A	Certificate of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Laces	Paragraph 3.4.6.2.1	BREAKING STRENGTH in accordance with ASTM D5034	Certificate of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Outsole	Paragraph 3.4.7.2, Table I	ABRASION RESISTANCE in accordance with ASTM D1630	Certificate(s) of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	

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Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements	
			Pre-Award	
Outsole	Paragraph 3.4.7.2, Table I	CUT GROWTH/ROSS FLEX in accordance with ASTM D1052	Certificate(s) of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Outsole	Paragraph 3.4.7.2, Table I	VOLUME SWELL (FUEL B) in accordance with FED STD 601 Method 6001 and 6211	Certificate(s) of Compliance from the source of supply showing compliance to requirements outlined in Annex B.	
Whole Boot - Weight	Paragraph 4.1	OVERALL WEIGHT (Average) in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 4.1. Sample must be pre-conditioned at 20° Celsius (+/-2° C) with 65% (+/-2%) relative humidity for a minimum of 24 hours. Six (6) boots, the left and right boots of three (3) pairs of Mondopoint 265/104 (excluding removable inserts and laces) must be weighed and the results averaged. Individual boots of a pair must be within +/- 10.0 grams.	Test results done by accredited independent laboratory.	
			DND reserves the right to referee the weight through DND independent laboratory facilities.	
			Referee weight tolerances will be +/- 10.0 grams per boot.	
Whole Boot – Fire Resistance Testing	Paragraph 4.2	FIRE RESISTANCE TESTING in accordance with ASTM F1930-11	Test results done by accredited independent laboratory. A video and a written report must be submitted to demonstrate that this performance has been achieved by the submission.	

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Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements	
			Pre-Award	
Whole Boot - Breathability Testing	Paragraph 4.3	MOISTURE VAPOUR TRANSMISSION RATE (MVTR) in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 4.3. Two (2) pairs of boots total (left and right) must be tested and an average MVTR will be averaged from these results.	Test results done by accredited independent laboratory.	
Slip Resistance Testing	Paragraph 4.4	SLIP RESISTANCE wet (with distilled water) SATRA Turf surface with rubber crumb. Test results for forward flat slip resistance in accordance with SATRA TM144 must be submitted.	Test results done by accredited independent laboratory.	
Drying Rate	Paragraph 4.6	DRYING RATE in accordance with CTT Drying Rate Test and Annex B (DSSPM 2-3-87-2410), paragraph 4.6. Two (2) pairs of boots (left and right) must be tested.	Test results done by accredited independent laboratory.	

2.2.2 Testing, Test Methods, and Certificates of Compliance.

2.2.2.1 Unless otherwise specified, all testing and test methods must be in accordance with the specified requirements. Test specimens must be sampled using best practices (for example, textiles taken from the same sample of cloth, leather conditioned and selected at random from each lot). An accredited independent laboratory familiar with polymer, textile, leather, and/or footwear-related testing must conduct all testing unless otherwise stated. Testing carried out by university textile testing laboratories will also be acceptable. Should a non-accredited laboratory be required for specific tests, approval must be sought and received in writing from the Contracting Authority in advance. Test results must be on official test laboratory stationary, it must be current (dated within six months of the solicitation posting date), it must make reference to the applicable specification, it must specify testing conditions/procedures followed, and have the original signature of the company's designated representative. The Government of Canada (GC) reserves the right to verify the statements made on the test report.

2.2.2.2 **Certificate of Compliance (C of C):** A Certificate of Compliance (C of C) is a written statement from the supplier guaranteeing the full compliance of the product to the specification, or portion thereof, referenced. This document must be on official company stationary, it must be current (dated within six months of the solicitation posting date), it must make reference to the applicable specification and have

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the original signature of the company's designated representative. The Canada reserves the right to verify the statements made in the C of C. Full test results, demonstrating the product's compliance, will be accepted in lieu of a C of C.

2.2.3 Component, Design, and Manufacturing Process Information. In addition to the physical examples (as outlined in Table I) and the test results (outlined in Table II) to be provided, submissions must include a written description of the overall component, design, and manufacturing process features.

2.2.4 Evaluation of quality of workmanship and ability to demonstrate capability to meet requisite technologies. As part of the evaluation, to confirm a Bidders' submission for the quality of workmanship and for the ability to demonstrate capability to meet requisite technologies, the workmanship and construction will be evaluated using the criteria outlined in Table III.

2.2.4.1 Definitions.

2.2.4.1.1 Deviation. A deviation is defined as a non-compliance of an essential performance or design requirement outlined in **Annex B** (DSSPM 2-3-87-2410).

2.2.4.1.2 Infraction. An infraction is defined as a workmanship or construction issue evaluated to be non-compliant that directly affects serviceability of the boot or affects overall quality assurance.

2.2.4.1.3 Observation. An observation is defined as a workmanship or construction issue evaluated to be non-compliant that does not necessarily affect serviceability of the boot but affects overall quality assurance.

2.2.4.2 Maximums. No workmanship and construction deviations will be accepted in any of the pre-award samples. A maximum of three (3) workmanship and construction infractions will be accepted in any of the pre-award samples. Observations will be noted and referenced in the pre-award evaluation to then be corrected in trial quantities and production. Workmanship or construction issues found with the submission not listed in Table III will be deemed as an observation. Note that technical criteria deemed as observations in Table III may affect Land Force users judging the appearance.

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Table III – Workmanship and Construction Evaluation

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Paragraph 3.3.2 (Height)	Finished height as measured on the outside of the boot from the bottom of the heel (on a level surface) to the highest point of the collar on a pair of Mondopoint 265/104 boots must be between 21.5 cm and 22.5 cm. Height must be graded proportionately to the size.	X		
Paragraph 3.3.3 (Colour)	The colour requirements for the upper components, bottoming components, lining, removable cushion inserts, and fitting (lacing system, laces, etc.) must be a commercial brown.	X		
Paragraph 3.4.1 (Boot Upper Material(s))	The LOTB must have a matte finish in order to minimize light reflection.		X	
Paragraph 3.4.6 (Closure System)	The LOTB must be a lace-to-toe closure design.		X	
Paragraph 3.4.6.1 (Speed Lacing)	Leather and uncoated metal lacing systems cannot be used.			X
Paragraph 3.4.6.2 (Laces)	The length of the laces must be 75 inches with a +3.0 inch tolerance (190.5 cm with a +7.6 cm tolerance). The lace tips must be self-fused for a length of 25.0 mm (+/- 3.0mm).			X
Paragraph 3.4.7.3 (Outsole Lug Depth)	When measured in accordance with the Figure 1, the lug depth or cleat height (d ₂) for any part of the outsole must be a minimum of 4.0 mm.	X		
Paragraph 3.4.10 (Labels and Marking)	Labeling omitted, incorrect, illegible, or incomplete.			X
Paragraph 3.4.10.1 (Marking of Removable Inserts)	Marking omitted, incorrect, illegible, or incomplete.			X

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Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Paragraph 3.5.1 (Sole Attachment Methods)	The sole attachment method must be Goodyear Welt or Injection Moulding process.	X		
Paragraph 6.0 (Packaging)	Packaging omitted, incorrect, or incomplete.			X
Paragraph 6.2 (Packaging)	Care instructions must be provided and inserted in a plastic bag with the second pair of removable cushion inserts and second pair of laces.			X
Construction and Assembly - General	Applicable to all components and assemblies unless otherwise indicated.			
Construction and Assembly - General	Incomplete manufacturing process.			X
Construction and Assembly - General	Cuts, tears, holes, rips, mend, lumps, creases, weak place, or other deficiencies seriously affecting serviceability.			X
Construction and Assembly - General	Material defects such as, but not limited to, bone, loose, flaky, or otherwise inferior upper materials, weak spots or mends, discolouration, etc.			X
Construction and Assembly - General	Manufacturing defects such as, but not limited to, burns, blooms, staining, discolouration, hazing, blisters, embedded foreign material, pits, air pockets, etc.			X
Construction and Assembly - General	Incomplete or incorrect bonding of bottoming components.			X
Construction and Assembly - General	Needle chews likely to develop into a hole.			X
Construction and Assembly - General	Poor or uneven lasting affecting serviceability.			X
Construction and Assembly - General	Components missing.			X

Dated 25 March, 2013

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Construction and Assembly - General	Noticeable separation of parts.			X
Construction and Assembly - General	Any open seam, any row of stitching missing, stitching uneven tension, appropriate number of stitches per inch for material, loose stitching resulting in loosely secured seam, tight stitch resulting in puckering of fabric or assembly, thread ends not trimmed, or parts caught in an unrelated row of stitching.			X
Construction and Assembly - General	Grease, oil, or other foreign matter on outside or inside of finished footwear.			X
Construction and Assembly - General	Pairs of finished boots not right and left of same size.			X
Construction and Assembly - General	Pairs of finished boots have significant variation in shade or colour.			X

* NOTE: The classification of "infraction" is for the purposes of evaluation only.

Dated 21 March, 2013



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods

Pre-Trial Technical Evaluation Requirements for the Land Operations Temperate Boot (LOTB)

Dated 21 March, 2013

**Pre-Trial Technical Evaluation Of
The Land Operations Temperate Boot (LOTB)**

1.0 General.

1.1 Pre-Trial Evaluation. This annex describes how The Department of National Defence (DND) is to perform the pre-trial technical evaluation of the Land Operations Temperate Boot (LOTB) in terms of evaluating physical samples for the quality of workmanship and construction, for their ability to demonstrate capability to meet requisite technologies, and for conformance to specified materials and measurements outlined in **Annex B (DSSPM 2-3-87-2410)**. The pre-trial technical evaluation will be done through a technical verification performed by a team of DND Subject Matter Experts (SMEs) with the exception for the conformance to specified materials which will be proven by the submission from the Contractor with the appropriate test results from accredited independent laboratories or, when stated, Certificate(s) of Compliance (C of C).

1.2 Trial Stage Submissions.

1.2.1 Trial Quantities. The following trial quantities outlined in Table I must be submitted:

Table I – Physical Samples To Be Submitted For Trial

Time Period	Requirement
Trial Quantities	Two hundred (200) pairs of Land Operations Temperate Boots (LOTB) with an extra pair of laces and removable inserts, and appropriate care labeling and packaging. Sizes must be in accordance with Annex E (Trial Quantities) .

1.2.2 The Contractor must ensure that the required samples are manufactured in accordance with the technical and performance requirements outlined in **Annex B (DSSPM 2-3-87-2410)** and are fully representative of any quantity production.

1.2.3 The Contractor must ensure that the required physical samples and packaging have no suppliers' identifiable markings. Non-compliance will result in the rejection of the trial samples.

1.2.4 Technical Information. The following technical information must be submitted with the trial quantities:

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Table II – Mandatory Material Testing Information To Be Submitted At Pre-Trial Technical Evaluation

Material	Reference in Annex B (DSSPM 2-3-87-2410)	Requirement and Reference	Testing Requirements and Frequency	
			Pre-Trial	
Whole Boot - Weight	Paragraph 4.1	<p>OVERALL WEIGHT (Average) in accordance with Annex B (DSSPM 2-3-87-2410), paragraph 4.1.</p> <p>Sample must be pre-conditioned at 20° Celsius (+/- 2° C) with 65% (+/-2%) relative humidity for a minimum of 24 hours.</p> <p>Six (6) boots, the left and right boots of three (3) pairs of Mondopoint 265/104 (excluding the removable inserts and laces) must be weighed and the results averaged.</p> <p>Individual boots of a pair must be within +/- 10.0 grams.</p>	<p>Test results done by accredited independent laboratory.</p> <p>DND reserves the right to referee the weight through DND independent laboratory facilities.</p> <p>Referee weight tolerances will be +/- 10.0 grams per boot.</p>	
Slip Resistance Testing	Paragraph 4.4	<p>SLIP RESISTANCE wet (with distilled water) SATRA Turf surface with rubber crumb) in accordance with SATRA TM144. Test results for forward flat slip resistance must be submitted.</p>	Test results done by accredited independent laboratory.	
Drying Rate	Paragraph 4.6	<p>DRYING RATE in accordance with CTT Drying Rate Test and Annex B (DSSPM 2-3-87-2410), paragraph 4.6.</p> <p>Two (2) pairs of boots (left and right) must be tested.</p>	Test results done by accredited independent laboratory.	

1.3 Testing and Test Methods.

1.3.1 Unless otherwise specified, all testing and test methods must be in accordance with the specified requirements. Test specimens must be sampled using best practices (for example, textiles taken from the same sample of cloth, leather conditioned and selected at random from each lot). An accredited independent laboratory familiar with polymer, textile, leather, and/or footwear-related testing must conduct all testing unless

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otherwise stated. Testing carried out by university textile testing laboratories will also be acceptable. Should a non-accredited laboratory be required for specific tests, approval must be sought and received in writing from the Contracting Authority in advance. Test results must be on official test laboratory stationary, it must be current (dated within six months before or after the Contract award date), it must make reference to the applicable specification, it must specify testing conditions/procedures followed, and have the original signature of the company's designated representative. The Government of Canada (GC) reserves the right to verify the statements made on the test report.

1.4 Pre-Trial Technical Evaluation. There are two (2) phases to the pre-trial technical evaluation:

- **Phase I (Technical Verification of Bid Evaluation Rated Requirements)** will be completed on all trial submissions to determine technical compliance through the submission of mandatory test results outlined in Table II and **Annex D**. Phase I will be a pass (compliant) or fail (non-compliant) scenario.

- **Weight:** Test results must be submitted. Negative tolerances resulting in a decrease in weight will be allowed. Positive tolerances resulting in an increase in weight will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, disqualified for trial. For example:

Boot A	Pre-Award	Trial	Result
Average Weight	798.0 grams	790.0 grams	Negative Tolerance - Compliant
Average Weight	798.0 grams	821.0 grams	Positive Tolerance – Non-Compliant

- **Slip Resistance – Forward Flat Slip on wet (with distilled water) SATRA turf surface with rubber crumb:** Test results will be submitted. Positive tolerances resulting in increase in slip resistance will be allowed. Negative tolerances resulting in a decrease in slip resistance will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, disqualified for trial. For example:

Boot A	Pre-Award	Trial	Result
Slip Resistance	0.39 µ	0.42 µ	Positive Tolerance - Compliant
Slip Resistance	0.39 µ	0.35 µ	Negative Tolerance – Non-Compliant

- **Drying Rate:** Test results will be submitted. Positive tolerances resulting in increase in percentage dry in 8 hours will be allowed. Negative tolerances resulting in a decrease in percentage dry in eight hours will not be allowed and thus, the boots will be deemed as non-compliant and subsequently, disqualified for trial. For example:

Boot A	Pre-Award	Trial	Result
Drying Rate	92.3% dry in 8 hours	95.8% dry in 8 hours	Positive Tolerance - Compliant
Drying Rate	92.3% dry in 8 hours	82.6% dry in 8 hours	Negative Tolerance – Non-Compliant

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- **Phase II (Workmanship and Construction Evaluation)** will be completed on all trial submissions to confirm a Contractors' submission for the quality of workmanship and for the ability to demonstrate capability to meet requisite technologies. Phase II will be a pass (compliant) or fail (non-compliant) scenario.
- The following definitions will apply:
 - **Deviation.** A deviation is defined as a non-compliance of an essential performance or design requirement outlined in Annex B (DSSPM 2-3-87-2410).
 - **Infraction.** An infraction is defined as a workmanship or construction issue evaluated to be non-compliant that directly affects serviceability of the boot or affects overall quality assurance.
 - **Observation.** An observation is defined as a workmanship or construction issue evaluated to be non-compliant that does not necessarily affect serviceability of the boot but affects overall quality assurance.
 - **Maximums.** No workmanship and construction deviations will be accepted in any of the trial samples. If a deviation is found, the boots will be deemed as non-compliant and subsequently, disqualified for trial. Observations will be noted and referenced for a post-trial debrief and then be corrected in production (if applicable). Workmanship or construction issues found with the submission not listed in Table III will be deemed as an observation. Note that technical criteria deemed as observations may affect trial users' evaluation of the product resulting in negative comments at the focus groups or poor scoring on questionnaires rating the acceptance of the boot. The workmanship and construction of the trial boots will be evaluated using the criteria outlined in Table III.

Table III – Workmanship and Construction Evaluation

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)	
		Deviation	Observation
Paragraph 3.3.2 (Height)	Finished height as measured on the outside of the boot from the bottom of the heel (on a level surface) to the highest point of the collar on a pair of Mondopoint 265/104 boots must be between 21.5 cm and 22.5 cm. Height must be graded proportionately to the size.	X	

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Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Paragraph 3.3.3 (Colour)	The colour requirements for the upper components, bottoming components, lining, removable cushion inserts, and fitting (lacing system, laces, etc.) must be a commercial brown.	X		
Paragraph 3.4.1 (Boot Upper Material(s))	The LOTB must have a matte finish in order to minimize light reflection.	X		
Paragraph 3.4.6 (Closure System)	The LOTB must be a lace-to-toe closure design.	X		
Paragraph 3.4.6.1 (Speed Lacing)	Leather and uncoated metal lacing systems cannot be used.			X
Paragraph 3.4.6.2.1 (Laces)	The length of the laces must be 75 inches with a +3.0 inch tolerance (190.5 cm with a +7.6 cm tolerance). The lace tips must be self-fused for a length of 25.0 mm (+/- 3.0mm).			X
Paragraph 3.4.7.3 (Outsole Lug Depth)	When measured in accordance with the Figure 1, the lug depth or cleat height (d ₂) for any part of the outsole must be a minimum of 4.0 mm.	X		
Paragraph 3.4.10 (Labels and Marking)	Labeling omitted, incorrect, illegible, or incomplete.			X
Paragraph 3.4.10.1 (Marking of Removable Inserts)	Marking omitted, incorrect, illegible, or incomplete.			X
Paragraph 3.5.1 (Sole Attachment Methods)	The sole attachment method must be Goodyear Welt or Injection Moulding process.	X		
Paragraph 6.0 (Packaging)	Packaging omitted, incorrect, or incomplete.			X
Paragraph 6.2 (Packaging)	Care instructions must be provided and inserted in a plastic bag with the second pair of removable cushion inserts and second pair of laces.			X
Construction and Assembly - General	Applicable to all components and assemblies unless otherwise indicated.			
Construction and Assembly - General	Incomplete manufacturing process.			X

Dated 21 March, 2013

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Construction and Assembly - General	Cuts, tears, holes, rips, mend, lumps, creases, weak place, or other deficiencies seriously affecting serviceability.			X
Construction and Assembly - General	Material defects such as, but not limited to, bone, loose, flaky, or otherwise inferior upper materials, weak spots or mends, discolouration, etc.			X
Construction and Assembly - General	Manufacturing defects such as, but not limited to, burns, blooms, staining, discolouration, hazing, blisters, embedded foreign material, pits, air pockets, etc.			X
Construction and Assembly - General	Incomplete or incorrect bonding of bottoming components.			X
Construction and Assembly - General	Needle chews likely to develop into a hole.			X
Construction and Assembly - General	Poor or uneven lasting affecting serviceability.			X
Construction and Assembly - General	Components missing.			X
Construction and Assembly - General	Noticeable separation of parts			X
Construction and Assembly - General	Any open seam, any row of stitching missing, stitching uneven tension, appropriate number of stitches per inch for material, loose stitching resulting in loosely secured seam, tight stitch resulting in puckering of fabric or assembly, thread ends not trimmed, or parts caught in an unrelated row of stitching.			X
Construction and Assembly - General	Grease, oil, or other foreign matter on outside or inside of finished footwear.			X
Construction and Assembly - General	Pairs of finished boots not right and left of same size.			X

Dated 21 March, 2013

Reference in Annex B (DSSPM 2-3-87-2410)	Criteria	Classification of Infraction* (see note)		
		Deviation	Infraction	Observation
Construction and Assembly - General	Pairs of finished boots have significant variation in shade or colour.			X

***NOTE:** The classification of "infraction" is for the purposes of evaluation only.

Dated: 22 Feb 2013



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods.

CFTPO-LOTB

- Each matched pair of boots (and its accessories) shall be packaged in a suitable box, in accordance with good commercial practice (suggestion – Style 8 (FPF) Five-Panel Wrapper). The box shall be taped to effect closure. On one end of the box, the following shall be legibly marked (labelled):

NATO Stock Number (NSN) *	- As specified on contract
Nomenclature (including size) **	- As specified on contract
Quantity / Unit of Issue	- 1 PR

- A quantity of packages, of the same NSN, shall be packed into a corrugated fibreboard box conforming to Canadian General Standards Board (CGSB) specification CAN/CGSB-43.22-2001. The box size and content quantity shall be uniform for the duration of the contract. Suggestion as follows:

No material handling equipment required – Overall inside dimensions (length, width and depth added) shall not exceed 1.5 metres (59 inches). The maximum weight of the box and contents shall not exceed 18 kilograms (40 pounds).

Material handling equipment required – The box(es) shall be compatible with the requirements of paragraph 7.

- Closure of the corrugated fibreboard box shall be in accordance with CGSB specification CAN/CGSB-43.22-2001 (Appendix B).
- On one end of each corrugated fibreboard box, stencilling or labelling in figures as large as practicable in relation to the space available shall legibly mark the following information:

NATO Stock Number (NSN) *	- As specified on contract
Nomenclature (including size) **	- As specified on contract
Quantity (per box) / Unit of Issue	- ____ PR
Gross Weight (nearest kg)	- As applicable
Contract Serial Number	- As specified on contract

- On one side of each corrugated fibreboard box, stencilling or labelling in figures as large as practicable in relation to the space available shall legibly mark the following information:

Consignee	- As specified on contract
Consignor	- Supplier's name or symbol
Case ____ of ____ cases	- As applicable within each shipment

- The last shipping container of each shipment shall have affixed to the side on which the shipping instructions are contained (paragraph 5), an envelope containing the Packing List, Release Note, etc. This water-resistant envelope shall be prominently marked "Packing List Enclosed" and shall be securely affixed to the outside wall of the container.
- Shipments shall be palletized in uniform loads (grouped by NSN) and strapped/secured on standard 4-way entry, 48-inch by 40-inch wood or fibreboard non-returnable pallets, to be supplied by the contractor. Total height, including pallet, shall not exceed 47 inches.

* Marking shall be applied using Bar Code Symbolology GS1-128 with AI 7001, including HRI (in accordance with D-LM-008-002/SF-001)

** Bilingual format - English/French

Canadian Forces Transportation Packaging Order		Date	15 Mar 2011
CFTPO-LOTB		Nomenclature	As specified on contract
		Based on	8430-20-001-2410 A/A
Draftsman H. Fraser	Checker H. Fraser	Design Engineer DSCO 5-4-3	Approval Stamp 

1. Chaque paire de bottes (et de ses accessoires) doivent être emballé dans un conteneur approprié conformément aux bonnes pratiques commerciales (suggestion – Genre 8 (FPF) Enveloppe cinq-panneau). Le conteneur doit être scellé à l'aide d'un ruban adhésif. Sur une extrémité du conteneur, l'information suivante (inscrite sur une étiquette) doit figurer lisiblement :

Numéro de nomenclature OTAN (NNO) *	- Selon le contrat
Nomenclature (comprenant la taille) **	- Selon le contrat
Quantité / Unité de mesure	- 1 PR

2. Placer une quantité de paquets, de la même NNO, dans un conteneur en carton dur ondulé, conformément à la norme CAN/CGSB-43.22-2001 de l'Office des normes générales du Canada (ONGC). La taille du conteneur et la quantité contenue doivent demeurer la même pour la durée du contrat. Voici des suggestions :

Aucun équipement de manutention nécessaire – Les dimensions générales intérieures (somme de la longueur, de la largeur et de la hauteur) ne doivent pas dépasser 1,5 m (59 po). Le poids maximal du conteneur, avec son contenu, ne doit pas dépasser 18 kg (40 lb).

Équipement de manutention nécessaire – Les conteneurs doivent être compatibles aux exigences du paragraphe 7.

3. La fermeture du conteneur en carton dur ondulé doit être conforme à la norme CAN/CGSB-43.22-2001 (appendice B) de l'ONGC.

4. Sur une extrémité de chaque conteneur en carton dur ondulé, l'information suivante doit figurer lisiblement en caractères aussi grands que permis par l'espace disponible (inscrite à l'aide d'un pochoir ou sur une étiquette) :

Numéro de nomenclature OTAN (NNO)*	- Selon le contrat
Nomenclature (comprenant la taille) **	- Selon le contrat
Quantité (par conteneur) / Unité de mesure	- ____ PR
Poids brut (arrondir au kg)	- Selon le cas
Numéro de série du contrat	- Selon le contrat

5. Sur un côté de chaque conteneur en carton dur ondulé, l'information suivante doit figurer lisiblement en caractères aussi grands que permis par l'espace disponible (inscrite à l'aide d'un pochoir ou sur une étiquette) :

Destinataire	- Selon le contrat
Expéditeur	- Nom ou marque du fournisseur
Conteneur ____ de ____	- Selon chaque cargaison

6. Le dernier conteneur d'expédition de chaque cargaison, doit porter sur le côté où l'on retrouve les instructions d'envoi (paragraphe 5), une enveloppe contenant le bordereau d'expédition, le bordereau de libération, etc. Cette enveloppe, résistante à l'eau, doit porter clairement les mots «bordereau d'expédition ci-inclus» et doit être bien fixée à la paroi extérieure du conteneur.

7. L'entrepreneur doit fournir des palettes standard de type perdu, en bois ou en carton dur ondulé, accessibles des quatre côtés et mesurant 48 po sur 40 po. Les conteneurs doivent y être disposés uniformément (groupées par NNO) et solidement arrimées. La hauteur totale, y compris la palette, ne doit pas dépasser 47 po.

* Les marques doivent être apposées au moyen de la symbologie code à barres GS1-128, avec le numéro d'identification d'application IA 7001, y compris la traduction en clair TC (conformément à la D-LM-008-002/SF-001)

** Format bilingue – Anglais/ Français

Commande d'Emballage pour le Transport – Forces canadiennes		CETFC-LOTB		Date	15 Mar 2011
				Feuille	2 de 2
Nomenclature		Selon le contrat		8430-20-001-2410 A/A	
Basé sur					
Destinataire H. Fraser	Vérificatrice H. Fraser	Ingénieur d'études DOCA 5-4-3	Sceau d'approbation		

Dated: 22 February, 2013



NOTICE

This document has been examined by the Technical Authority for content and confirmed that it has no references to controlled goods.

LOTB TRIAL QUESTIONNAIRE

Dated: 22 February, 2013

LOTB - User Acceptance Performance Evaluation										
Name:		Subject Number:								
Bidder:		Serial:								
BOOT: X				Using the scale provided, please indicate the acceptability of the boot for Comfort, Adjustment/Durability, Manoeuvrability, Compatibility, Environment, Hazards and Maintenance.						
Ser	MoE	Explanatory Statement	1	2	3	4	5	6	7	
	Comfort - During Break in Period	Fit								
	Comfort - Long Term	Fit								
		Weight								
		Perspiration								
		Cushioning								
		Temperature								
	Adjustment/Durability									
		Put On (Donning)								
		Pressure Points								
		Take Off (Doffing)								
		Chaffing/Blistering								
		External Construction								
		Internal Construction								
		Lacing System								
		Sole Wear								
		Colour Fastness								

Dated: 22 February, 2013

<div> <div>BOOT: X</div> <div>Using the scale provided, please indicate the acceptability of the boot for Comfort, Adjustment/Durability, Manoeuvrability, Compatibility, Environment, Hazards and Maintenance.</div> </div>		1	2	3	4	5	6	7	
Ser	MoE	Explanatory Statement	Completely Unacceptable	Reasonably Unacceptable	Barely Unacceptable	Borderline	Barely Acceptable	Reasonably Acceptable	Completely Acceptable
	Manoeuvrability								
		Speed of Movement							
		Agility							
		Flexibility							
		Balance							
		Ankle Support							
		Shock Absorption							
		Traction							
	Compatibility - Clothing								
		With Socks							
		With Combat Pants							
		With Rain Pants							
	Compatibility - Vehicles								
		Foot Controls							
		Step-up Vehicle Entry							
	Environment and Hazards								
		Water Resistance							
		Puncture, Tear and Cut Resistance (Upper Only)							
		Puncture, Tear and Cut Resistance (Sole Only)							
		POL Product Resistance (Sole Only)							
	Maintenance								
		Cleaning							
		Drying							

Dated 22 February, 2013



NOTICE

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Canadian Army - Field Force Unit Typical Training Cycle

Dated 22 February, 2013

SPRING	SUMMER	FALL
<p>Individual Training and Individual Battle Task Standards (IBTS):</p> <ul style="list-style-type: none"> - Weapons handling - Navigation - Fieldcraft - CBRN Defence - First Aid - Conduct various task (convoy, search, check point, etc.) - Fitness 	<p>Individual Training and Individual Battle Task Standards (IBTS):</p> <ul style="list-style-type: none"> - Weapons handling - Navigation - Fieldcraft - CBRN Defence - First Aid - Conduct various task (convoy, search, check point, etc.) - Fitness 	<p>Individual Training and Individual Battle Task Standards (IBTS):</p> <ul style="list-style-type: none"> - Weapons handling - Navigation - Fieldcraft - CBRN Defence - First Aid - Conduct various task (convoy, search, check point, etc.) - Fitness
<p>Participate in Specialized course:</p> <ul style="list-style-type: none"> - Drivers courses - Weapons courses - Trade and Unit courses (Reconnaissance, Snipers, etc.) - Career courses (Qualification courses – for promotion and Advanced courses – Anti-Armour, Reconnaissance, etc.) 	<p>Participate in Specialized course:</p> <ul style="list-style-type: none"> - Drivers courses - Weapons courses - Trade and Unit courses (Reconnaissance, Snipers, etc.) 	<p>Participate in Specialized course:</p> <ul style="list-style-type: none"> - Drivers courses - Weapons courses - Trade and Unit courses (Reconnaissance, Snipers, etc.) - Career courses (Qualification courses – for promotion, and Advanced courses – Anti-Armour, Reconnaissance, etc.)
<p>Collective Training :</p> <ul style="list-style-type: none"> - Dry and Live fire exercises (Detachment, Section, Platoon and Company level) - Conducting Offensive operations (Attacks and Patrols at all levels) - Conducting Defence Operations (Defensive posn, Delay operations at all levels) - Conduct FIBUA, Stability and Counter-Insurgency trg at all levels - Participate in simulated exercise (TEWT, Table top Ex, etc.) 	<p>Collective training:</p> <ul style="list-style-type: none"> - Limited Dry and Live fire, Offensive, Defensive, Stability Ops and Counter-Insurgency training up to platoon level. - Participate in simulated exercise (TEWT, Table top Ex, etc.) 	<p>Collective Training :</p> <ul style="list-style-type: none"> - Dry and Live fire exercises (Detachment, Section, Platoon and Company level) - Conducting Offensive operations (Attacks and Patrols at all levels) - Conducting Defence Operations (Defensive posn, Delay operations at all levels) - Conduct FIBUA, Stability and Counter-Insurgency trg at all levels - Participate in simulated exercise (TEWT, Table top Ex, etc.)

Dated 22 February, 2013

SPRING	SUMMER	FALL
Garrison duties: <ul style="list-style-type: none"> - Weapons and vehicle maintenance - In-class training - Marching (Drill) - Office work - Sports and fitness activities 	Garrison duties: <ul style="list-style-type: none"> - Weapons and vehicle maintenance - In-class training - Marching (Drill) - Office work - Sports and fitness activities 	Garrison duties: <ul style="list-style-type: none"> - Weapons and vehicle maintenance - In-class training - Marching (Drill) - Office work - Sports and fitness activities
Exercises and other: <ul style="list-style-type: none"> - Deployment to an off base area to conduct individual and collective training - Augmentation personnel (staff) for various courses 	Exercises and other: <ul style="list-style-type: none"> - Augmentation personnel (staff) for various courses 	Exercises and other: <ul style="list-style-type: none"> - Deployment to an off base area to conduct individual and collective training - Augmentation personnel (staff) for various courses