



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

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

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

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

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

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

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Clothing and Textiles Division / Division des vêtements et des textiles
11 Laurier St./ 11, rue Laurier
6A2, Place du Portage
Gatineau, Québec K1A 0S5

Title - Sujet Unisex 3 in 1 Anti-Static Inspector	
Solicitation No. - N° de l'invitation T8518-180016/A	Date 2018-06-20
Client Reference No. - N° de référence du client T8518-180016	
GETS Reference No. - N° de référence de SEAG PW-\$\$PR-737-75006	
File No. - N° de dossier pr737.T8518-180016	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-07-31	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: DUSENBURY, Debbie	Buyer Id - Id de l'acheteur pr737
Telephone No. - N° de téléphone (873) 469-3175 ()	FAX No. - N° de FAX (819) 956-5454
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF TRANSPORT Transport Canada (AAFBD) 2655 LANCASTER RD OTTAWA Ontario K1B4L5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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Solicitation No. - N° de l'invitation

T8518-180016/A

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

T8518-180016

Amd. No. - N° de la modif.

File No. - N° du dossier

pr737. T8518-180016

Buyer ID - Id de l'acheteur

pr737

CCC No./N° CCC - FMS No./N° VME

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TECHNICAL SPECIFICATION CAG-8-1805-848

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PART 1 - GENERAL INFORMATION

1.1 Security Requirement

There is no security requirement associated with this bid solicitation.

1.2 Statement of Requirement

The "Requirement" is detailed at Annex "A" of the resulting contract clauses.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA) and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2017/04/27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: 60 days

Insert: 120 days

2.2 Submission of Bids

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

2.3 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

2.5 Sample

Sample(s) 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: 418-649-2714
FAX: 418-648-2209
Attention: Micheline Naud Email :
micheline.naud@tpsgc-pwgsc.gc.ca)

Public Works & Government Services Canada

Suite 480, 33 City Centre Drive
Mississauga, Ont. L5B 2N5
TEL: 905-615-2070
FAX 905-615-2023
Attention: Rosy Gupta
Email : rosy.gupta@tpsgc-pwgsc.gc.ca)

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
Attention: Debbie Brault or Umberto Fanelli
Email: TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca

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
Attention: Bev Laurin
Email: bev.laurin@tpsgc-pwgsc.gc.ca

**Public Works & Government Services
Canada**

Telus Plaza North
10025 Jasper Avenue, 5th Floor
Edmonton, AB T5J 1S6
TEL: (587) 337-7816
FAX: (780) 497-3510
Attention: Jayeeta Das
Email : wst-pa-edm@tpsgc-pwgsc.gc.ca

**Public Works & Government Services
Canada**

Pacific Region, SOSB, Industrial & Commercial
Products
219 - 800 Burrard Street
Vancouver, B.C V6Z 0B9
Attention: Chris Huchzermeyer
TEL. : 604-365-2956
Email: chris.huchzermeyer@tpsgc-pwgsc.gc.ca
OR
Attention: Betty Chan
TEL. : 604-658-2799
Email: betty.chan@tpsgc-pwgsc.gc.ca
FAX : 604-775-7526

2.6 Sealed Sample - Return to Sender

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

2.7 Specifications and Standards

2.7.1 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://assistdocs.com/search/search_basic.cfm

2.7.2 Canadian General Standards Board (CGSB) - Standards

A copy of the CGSB Standards referred to in the bid solicitation is available and may be purchased from:

Canadian General Standards Board
Place du Portage III, 6B1
11 Laurier Street
Gatineau, Québec
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)
Fax: (819) 956-5740
E-mail: ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca
CGSB Website: <http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

- Section I: Technical Bid (refer to Section 1 below)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)
- Section IV: Additional Information (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation;

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.
- 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 (reference pre-award sample, Part 4, Evaluation Procedures, 4.1.1.1 Mandatory Technical Criteria)

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "1" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "1" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

3.1.2 Exchange Rate Fluctuation

[C3011T](#) 2013/11/06 Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

Section IV: Additional Information

3.1.3.3 Origin of Work

For each line item, bidders must identify the name(s) of the country or countries where the apparel goods are cut (or knit to shape) and sewn, regardless of whether the work is to be performed by the Bidder or one of its subcontractor(s).

The following information must be provided for each location where any of the goods are cut (or knit to shape) or sewn:

Line Item number _____

Country: _____

(Bidders must add additional lines if there is more than one manufacturer or one country per line item.)

Bidders must immediately inform Canada in writing of any and all changes affecting the information provided under this clause during the entire bid validity period.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Pre-Award Sample(s) and Supporting Documentation

As part of the technical evaluation, to confirm a bidder's capability of meeting the technical requirements, one (1) pre-award sample of **item 001 – qty 1 – size Medium** and test results and certificates of compliance will be required after the bid closing date upon a written request from PWGSC.

The requirement for a pre-award sample may be waived if the Bidder has supplied the item within the past three (3) years in accordance with the latest specification.

Please specify:

- Item supplied: _____
- Your previous Contract/Standing Offer number: _____

- Item supplied: _____
- Your previous Contract/Standing Offer number: _____

If the above has been met, the Bidder represents and warrants that no significant changes have occurred in their manufacturing processes nor their organization or their sub-contractors' organization since the last award or pre-award qualification that could affect the manufacturing of the referenced item.

The Bidder must submit the pre-award sample if a waiver is not given. The Bidder will be advised when the pre-award sample **and** test results **and** certificates of compliance are required.

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

The Bidder must deliver the required pre-award sample **and** test results **and** certificates of compliance at no charge to Canada and must ensure that they are received within 45 calendar days from request. Failure to submit the required pre-award sample **and** test results **and** certificates of compliance within the specified time frame will result in the bid being declared non-responsive. The sample submitted by the Bidder will remain the property of Canada.

Laboratory analysis of the product offered showing complete test results in accordance with **Tables 1, 2 and 3 of physical properties** detailed in the technical requirement must be provided with the pre-award sample. Testing must be performed by an independent accredited laboratory establishment and must be in accordance with the test methods detailed in the Requirement. The laboratory report and test results must be dated after Request for Proposal posting date.

In addition, Certificate of Compliance for the **Reflective Material** (Para.1.4) and **Hook and Loop Tape** (Para.1.5) are required as defined herein.

1. Reflective Material (see paragraph 1.4 of the technical specification); and
2. Hook and Loop Tape (see paragraph 1.5 of the technical specification).

The pre-award sample will be evaluated for quality of workmanship and conformance to specified materials and measurements. (Except for substitutions as indicated below)

The requirement for a pre-award sample **and** test results **and** certificates of compliance will not relieve the successful bidder from submitting sample **and** 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 the event that a component, (i.e. **slide fastener, hook and loop tape, webbing, snaps**) is not available to the Bidder in a time frame to manufacture the pre-award sample, the Bidder may use a similar substitute component. Also, the Bidder must include a letter explaining the substitution submitted with the pre-award sample, together with a statement that, should the Bidder be awarded the contract, all materials will be strictly in accordance with the technical requirement.

CERTIFICATE OF COMPLIANCE-DEFINITION

A Certificate of Compliance is a written statement from an appropriate official of the component manufacturer attesting the full compliance of the components (**Reflective Material and Hook & Loop Tape**) to the specification. This document must be on official company stationery; it must be dated **after the Request for Proposal posting date** and it must make reference to the applicable specification and have the original signature of the company's designated representative. Canada reserves the right to verify the statements made in the Certificate of Compliance. Full test results, demonstrating the product's compliance, will be accepted in lieu of a Certificate of Compliance.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

- a. The Bidder must submit firm unit price(s) in Canadian dollars, applicable taxes are excluded, DDP (Ottawa, Ontario) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.
- b. The Bidder must submit firm unit pricing for all items including options.

4.1.2.2 SACC MANUAL CLAUSE

[A9033T](#) 2012/07/16 Financial Capability

4.2 Basis of Selection

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

Up to three (3) responsive bids with the lowest evaluated aggregate prices will be recommended for award of a contract.

Evaluation will be established using the firm quantities per item, and 100% of the option quantities.

The lowest priced technically compliant bid would be given a Contract for 50% of the required quantities; the second lowest priced technically compliant bid would be given a Contract for 30% of the required quantities; the third lowest priced technically compliant bid would be given a Contract for 20% of the required quantities

If two (2) or more responsive bids are received, the proportion will be 60% and 40% of the required quantities for the first lowest and second lowest bids respectively.

If there is only one (1) responsive bid received, 100% of the required quantities will be assigned to that Bidder

4.3 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.
 - i. 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 unmatured, 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.

(Derived from - Provenant de: E0007C)

4.4 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 AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Attestations préalables à l'attribution du contrat et renseignements supplémentaires

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Sample and Production Certification

The Bidder certifies that:

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Requirement

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

[2030](#) (2016/04/04), General Conditions - Goods (Higher Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables are requested complete on or before 15-November-2018.

Delivery - Firm Quantity - Phased

The first delivery must be made within 60 calendar days (or sooner) from the date of the written notice of approval of pre-production samples. The quantity delivered must be ____ sets. The balance must be delivered at the rate of ____ sets weekly after the first delivery until completion of the Contract.

Delivery - Option Quantity (Option #1)

The delivery of the option quantity must commence within 60 calendar days (or sooner) from receipt of the contract amendment and after final delivery of the contract quantity. The quantity delivered must be ____ sets. The balance must be shipped at a rate of ____ sets weekly after the first delivery until completion of the option quantity.

Delivery - Option Quantity (Option #2)

The delivery of the option quantity must commence within 60 calendar days (or sooner) from receipt of the contract amendment and after final delivery of the Option #1 quantity. The quantity delivered must be ____ sets. The balance must be shipped at a rate of ____ sets weekly after the first delivery until completion of the option quantity.

Delivery - Option Quantity (Option #3)

The delivery of the option quantity must commence within 60 calendar days (or sooner) from receipt of the contract amendment and after final delivery of the Option #2 quantity. The quantity delivered must be ____ sets. The balance must be shipped at a rate of ____ sets weekly after the first delivery until completion of the option quantity.

Delivery - Option Quantity (Option #4)

The delivery of the option quantity must commence within 60 calendar days (or sooner) from receipt of the contract amendment and after final delivery of the Option #3 quantity. The quantity delivered must be ____ sets. The balance must be shipped at a rate of ____ sets weekly after the first delivery until completion of the option quantity.

6.4.1.2 Shipping Instructions - Delivery at Destination

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

- Delivered Duty Paid (DDP) Ottawa, Ontario, Incoterms 2000 for shipments from commercial contractor.

6.4.1.3 Packaging - Commercial

Packing must be in accordance with standard commercial practice to ensure safe delivery at destination.

6.4.1.4 Rejected Goods

If any goods are rejected and are sold to any resale, all markings and insignia must be removed before being turned over to the purchaser.

6.4.1.5 SACC Manual Clauses

[D2025C](#) 2017/08/17 Wood Packaging Materials
[D6010C](#) 2007/11/30 Palletization

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Debbie Dusenbury
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 : 873-469-3175 Facsimile: 819-956-5454
E-mail address: debbie.dusenbury@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.

6.5.2 Technical Authority

The Technical Authority for this Contract is:

Technical Authority Mailing/Shipping Address (CAS)

Public Works & Government Services Canada
Commercial and Consumer Products Directorate (CCPD)
Floor 6A2, Phase III, Place du Portage
11 Laurier Street
Gatineau, Quebec K1A 0S5

ATTN: Clothing Advisory Service _____ (to be advised at contract award)
Telephone: ____-____-____ (to be advised at contract award)
Facsimile: ____-____-____ (to be advised at contract award)
E-mail: _____ (to be advised at contract award)

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.

6.5.3 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: _____

6.6 Payment

6.6.1 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 Applicable Taxes are extra.

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

6.6.2 SACC Manual Clauses

<u>H1001C</u>	2008/05/12	Multiple Payments
<u>C2000C</u>	2007/11/30	Taxes - Foreign-based Contractor

6.6.3 Electronic Payment of Invoices – Contract

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

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. One (1) copy must be forwarded to the following e-mail address :
(email to be provided at contract award)
 - b. One (1) copy must be emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Insurance

SACC Manual clause G1005C (2016/01/28) Insurance

6.9 Certifications and Additional Information

6.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.10 Applicable Laws

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

6.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the Articles of Agreement;
- b) the general conditions [2030](#) (2016/04/04), General Conditions - Goods (Higher Complexity);
- c) Annex "A", Statement of Requirement;
- d) Specifications including CAG-8-1805-848;
- e) Sealed Sample;
- f) The Contractor's bid dated: _____

6.12 Materials: Contrator Total Supply

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

6.13 Plant Closing

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

Year 1: 2018-2019

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

Year 2: 2019-2020

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

Year 3: 2020-2021

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

Year 4: 2021-2022

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

6.14 Plant Location

Items will be manufactured at: _____

6.15 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.

6.16 Origin of Work - Disclosure of Information

1. For each line item, the Contractor must specify the name(s) of all countries where the apparel goods are cut (or knit to shape) or sewn, regardless of whether the work is to be performed by the Contractor or one of its subcontractor(s).
2. The Contractor agrees that Canada may publicly disclose the information provided with respect to the countries of origin.
3. The Contractor must immediately inform Canada in writing of any and all changes affecting the information provided under this clause during the entire contract period.

6.17 Overshipment

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

6.18 Pre-Production Sample

1. The Contractor must provide a pre-production sample of **Item 001, size Medium, qty 1 set**, accompanied by the sealed sample if applicable, to the Technical Authority for acceptance within 60 calendar days from date of contract award.
2. If the pre-production sample is rejected, the Contractor must submit a second pre-production sample within _____ calendar days of notification of rejection from the Technical Authority.
3. If the pre-production sample is accepted by either full acceptance or conditional acceptance, the Contractor must proceed with production as per the Contract requirements.
4. Rejection by the Technical Authority of the second pre-production sample(s) submitted by the Contractor for failing to meet the contract requirements will be grounds for termination of the Contract for default.
5. The Contractor must carry out all required inspection and tests to verify conformance to the technical requirements of the Contract.
6. In addition to providing the pre-production sample, the Contractor must provide laboratory test reports **and** Certificates of compliance, as applicable, to the Contracting Authority and Technical Authority, transportation charges prepaid, and without charge to Canada.
7. The pre-production sample submitted by the Contractor will remain the property of Canada.
8. The Technical Authority will notify the Contractor, in writing, of the full acceptance, conditional acceptance, or rejection of the pre-production sample. A copy of this notification will also be provided by the Technical Authority to the Contracting Authority. The notice of the full acceptance or conditional acceptance does not relieve the Contractor from complying with all requirements and conditions of the Contract.
9. The Contractor must not commence or continue with production of the items and must not make any deliveries until the Contractor has received a written notification from the Technical Authority that the pre-production sample is fully acceptable or conditionally acceptable. Any production of items before pre-production sample acceptance will be at the sole risk of the Contractor.
10. The pre-production sample may not be required if the Contractor is currently in production. The request for waiver of pre-production sample must be made by the Contractor in writing to the Contracting Authority. The waiving of this requirement will be at the sole discretion of the Technical Authority and will be evidenced through a contract amendment.

CERTIFICATE OF COMPLIANCE-DEFINITION

A Certificate of Compliance is a written statement from an appropriate official of the component manufacturer attesting the full compliance of the components (*Reflective Material and Hook & Loop Tape*) to the specification. This document must be on official company stationery; it must be dated after the Request for Proposal posting date and it must make reference to the applicable specification and have the original signature of the company's designated representative. Canada reserves the right to verify the statements made in the Certificate of Compliance. Full test results, demonstrating the product's compliance, will be accepted in lieu of a Certificate of Compliance.

6.18.1 Sealed Sample - Return to Sender

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

The sealed sample is not to be mutilated or cut, and must be returned in the same condition as sent to the Contractor.

6.19 Specifications and Standards

6.19.1 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://assistdocs.com/search/search_basic.cfm

6.19.2 Canadian General Standards Board (CGSB) - Standards

A copy of the CGSB Standards referred to in the Contract is available and may be purchased from:

Canadian General Standards Board
Place du Portage III, 6B1
11 Laurier Street
Gatineau, Québec
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)
Fax: (819) 956-5740
E-mail: ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca
CGSB Website: <http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

6.20 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.

(Derived from - Provenant de: E0005C)

Solicitation No. - N° de l'invitation
T8518-180016/A
Client Ref. No. - N° de réf. du client
T8518-180016

Amd. No. - N° de la modif.
File No. - N° du dossier
pr737. T8518-180016

Buyer ID - Id de l'acheteur
pr737
CCC No./N° CCC - FMS No./N° VME

ANNEX «A» STATEMENT OF REQUIREMENT

A.1. TECHNICAL REQUIREMENT

The Contractor is required to provide Canada for Transport Canada with Unisex Anti-Static Inspector Winter Jackets fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner in accordance with the technical specification CAG-8-1805-848 dated 04-June-2018, drawings and sealed sample.

A.2. ADDRESSES

Destination Address	Invoicing Address
Transport Canada (AAFBD) Chief, Operations Support Services 2655 Lancaster Road Ottawa (Ontario) K1B 4L5	See clause 6.7 herein

A.3. DELIVERABLES

CONTRACT QUANTITY Firm Quantity: 300 sets

Item	Description	Firm Quantity	Unit of Issue	Firm Unit Price, DDP to Ottawa, Ontario, Transportation costs included, Applicable taxes extra
1	Unisex 3-in-1 Anti-Static Inspector Winter Jacket fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner, all in accordance with the technical specification CAG-8-1805-848 dated 30-May-2018	300	Set	\$ _____

SIZE ROLL

Size	Qty
Extra-Small Regular	30
Small Short	15
Small Regular	25
Small Tall	10
Medium Short	10
Medium Regular	100
Medium Tall	15
Large Regular	77
Large Tall	10
Extra-Large Regular	5
Extra-Large Tall	3
Total 300	

Solicitation No. - N° de l'invitation
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T8518-180016

Amd. No. - N° de la modif.
File No. - N° du dossier
pr737. T8518-180016

Buyer ID - Id de l'acheteur
pr737
CCC No./N° CCC - FMS No./N° VME

OPTION 1: to be exercised within 12 months of contract award. A size roll will be provided if the option is exercised.

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to Ottawa, Ontario, Transportation costs included, Applicable taxes extra
2	Unisex 3-in-1 Anti-Static Inspector Winter Jacket fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner, all in accordance with the technical specification CAG-8-1805-848 dated 30-May-2018	Up to a maximum of 150	Set	\$ _____

OPTION 2: to be exercised within 24 months of contract award. A size roll will be provided if the option is exercised.

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to Ottawa, Ontario, Transportation costs included, Applicable taxes extra
3	Unisex 3-in-1 Anti-Static Inspector Winter Jacket fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner, all in accordance with the technical specification CAG-8-1805-848 dated 30-May-2018	Up to a maximum of 150	Set	\$ _____

OPTION 3: to be exercised within 36 months of contract award. A size roll will be provided if the option is exercised.

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to Ottawa, Ontario, Transportation costs included, Applicable taxes extra
4	Unisex 3-in-1 Anti-Static Inspector Winter Jacket fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner, all in accordance with the technical specification CAG-8-1805-848 dated 30-May-2018	Up to a maximum of 150	Set	\$ _____

OPTION 4: to be exercised within 48 months of contract award. A size roll will be provided if the option is exercised.

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to Ottawa, Ontario, Transportation costs included, Applicable taxes extra
5	Unisex 3-in-1 Anti-Static Inspector Winter Jacket fully assembled and complete with Outer Shell, a Detachable Hood and a Removable zip-out Fleece Liner, all in accordance with the technical specification CAG-8-1805-848 dated 30-May-2018	Up to a maximum of 150	Set	\$ _____

A.5 OPTION QUANTITIES - Identified as Items 2, 3, 4, and 5

The Contractor grants to Canada the irrevocable option to acquire the goods described under items 2, 3, 4 and 5 and under the same terms and conditions and at the prices stated in the Contract. The option may only be exercised by the Contracting Authority up to a maximum of 150 sets for each amendment, and will be evidenced through a contract amendment.

Option #1:

After the firm quantities are delivered, the Contracting Authority may exercise Option #1 within 12 months after contract award date by sending a written notice to the Contractor.

Option #2:

After Option #1 quantities are delivered, the Contracting Authority may exercise Option #2 within 24 months after contract award date by sending a written notice to the Contractor.

Option #3:

After Option #2 quantities are delivered, the Contracting Authority may exercise Option #3 within 36 months after contract award date by sending a written notice to the Contractor.

Option #4:

After Option #3 quantities are delivered, the Contracting Authority may exercise Option #4 within 48 months after contract award date by sending a written notice to the Contractor.

Only one amendment may be issued to exercise each option.

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

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Solicitation No. - N° de l'invitation
T8518-180016/A
Client Ref. No. - N° de réf. du client
T8518-180016

Amd. No. - N° de la modif.
File No. - N° du dossier
pr737. T8518-180016

Buyer ID - Id de l'acheteur
pr737
CCC No./N° CCC - FMS No./N° VME

ANNEX "1" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.

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

- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI).

TRANSPORT CANADA

Unisex 3 in 1 Anti-Static Inspector Jacket (Outer Shell & Fleece Liner)

1. Materials

1.1 Outer Shell Material - When tested in accordance with the applicable test methods the finished fabric must comply with the requirements specified in Table 1.

The fabric must be 100% Nylon, Navy Blue with Black backing. It must have an anti-static and durable water repellent finish. An appropriate heat-set process must be applied to the shell material in order to be prepared for the lamination of the waterproof moisture vapour permeable membrane. The 3-layer composite fabric must be seamed using a compatible seam-sealing tape with the 3 layer shell fabric.

Sealed-seams must meet the requirements outlined in Table 2 forming part of this specification.

1.2 Thread - The thread must be polyester core, polyester-covered or cotton-covered, R50 Tex, of matching colour, meeting CAN/CGSB-4.13 1-93.

1.3 Pocketing - The pocketing must be a porous nylon or polyester mesh, warp knit, black in colour.

1.4 Reflective Material:

Must be highly reflective material, Fluorescent Yellow-Green in colour - in accordance with CAN/CSA Z96-09 – “High visibility Safety Apparel” (‘Chromaticity and Luminance’ – Table 2A).

The reflective material must have Flame Resistant (FR) backing and must be in the form of a sewn appliqué strip.

For Bottom (Front & Back) of Jacket - Outer Shell & Fleece Liner:

- Appliqué strip – 2.5 cm (1”) wide reflective material.

For Front of Jacket Outer Shell (Hide-Away Patches):

- Left Chest and Right Chest - Appliqué patch – height 5 cm (2”) x width 12.7 cm (5”) -reflective material.

For Back of Jacket Outer Shell (Hide-Away Patch) & Fleece Liner:

- Top Back – Appliqué patch – height 10 cm (4”) x width 31 cm (12-1/8”) – reflective material with Canada word mark and flag, Black lettering.

(Note: Refer to the technical drawings in ‘Appendix B’ for the dimensions of the Canada word mark)

1.5 Hook and Loop Tape:

Must be woven nylon, black in colour, with a high life cycle. The combined hook and loop shall have no less than 8 P.S.I length-wise shear strength. The initial peel strength of not less than 1 P.I.W and after 1000 cycles must be not less than .5 P.I.W. with a minimum lengthwise shear of 4 P.S.I.

For Front of Jacket Outer Shell (Chest Pocket Flaps):

- Left and Right Chest Pocket Flap - Black Loop strip is to be sewn on the outside flap (centered on the flap).
- Dimensions of strip - height 12.7 cm (5”) x 3.8 cm (1.5”)

For Front of Jacket Outer Shell (Hide-Away Pocket Flaps):

- Left Chest and Right Chest – Black Loop & Hook strips are to be sewn (separately) to the inside of flap.
- Dimensions of strips - height 1.25 cm (1/2”) x width 5.7 cm (2-1/4”).

For Back of Jacket Outer Shell (Hide-Away Pocket Flap):

- Center Back – Two (2) Black Loop & Hook strips are to be sewn (separately) to the inside of flap.
- Dimensions of strips - height 2.54 cm (1”) x width 5 cm (2”).

For Sleeve Cuff of Jacket Outer Shell (Cuff Adjustment):

- Cuff Tab – Hook strip to be sewn to cuff tab – Dimensions of strip – height 2.54 cm (1”) x width 4.5 cm (1-3/4”).
- Cuff – Loop strip to be sewn to cuff – Dimensions of strip - height 2.54 cm (1”) x width 12.1 cm (4-3/4”).

1.6 Slide Fastener:

Front - Must be an open-end, 2-way separating fastener, black in colour. The automatic slider will be injection moulded.

Right Inside Front (to be used for the attachment of the removable fleece jacket):

Must consist of 1/2 (half) of an open-end slide fastener with the retaining box and slider. It must be injection moulded, with an automatic slider, black in colour.

Left Inside Front (to be used for the attachment of the removable fleece jacket):

Must consist of 1/2 (half) of an open-end slide fastener with the insert pin and must be injection moulded, black in colour.

Upper Front Pockets:

Must be a closed end coil type slide fastener with a non-locking slider, black in colour, with long pull tabs.

Lower Front Pockets:

Must be a closed end coil type slide fastener with a locking slider, black in colour.

Side Seam:

Must be water repellent, black in colour, with the tape treated with strong water repellent finish and coated back of polyurethane. It must be closed-ended coil with double sliders arranged in a back to back relation.

Inside Pockets:

The inside pocket slide fasteners must be closed end coil type with locking slider and black in colour.

Side Seam Fleece:

Must be black in colour, closed-ended coil with double sliders arranged in a back to back relation.

Slide Fastener Armhole Fleece:

Must be an open-end, 1 way separating coil fastener. It must be black in colour with a locking slider.

Inside Pockets Fleece:

The inside pocket slide fasteners must be closed end coil type with locking slider and black in colour.

1.7 Cord Lock (Detachable Hood and waist channel) - Commercially available ellipse cord lock, two-holed, spring loaded, of nylon composition, black in colour, equal in respect to the viewing sample.

1.8 Elastic Draw cord (Detachable Hood and Waist Channel) - The draw cord must be round elastic, black in colour, 3.5 mm (1/8”), and equal in respect to the viewing sample.

1.9 Eyelets - The eyelets must be black in colour with a 5-6 mm (1/4”) diameter hole, brass, aluminum, or thread eyelets are acceptable.

1.10 Dome Fastener - The dome fastener must be a standard type 24-ligne fastener with a 15 mm (5/8”) Powder coat dull black cap. All metal parts must be brass, Universal SW61 (only).

1.11 Slide Fastener Ribbon Pulls - Commercially available woven zipper pulls, black in colour, 1.3 cm (1/2") x 6 cm (2-3/8") in total length before applied to slide fastener.

1.12 Tapes:

- Cuffs and Back Neck - Commercially available twill tape, black in colour, 19 mm (3/4 ") wide.
- At D-Ring tab- Commercially available twill tape, black in colour, 2.5 cm (1") wide.

1.13 Hanger Loop – Use commercially available twill tape, black in colour, 13 mm (1/2") wide.

1.14 D-Ring - Use commercially available D-ring silver in colour, 2.5 cm (1") wide.

1.15 Elastic:

- Sleeve Cuffs - The elastic used for the cuffs must be pre-shrunk, 3 cm (1-3/16") wide, knitted construction of superior quality.
- Side Tabs - The elastic used for the cuffs must be black pre-shrunk, 2.5 cm (1") wide, woven elastic.

2.0 Sizing and Dimensions:

- Sizing must be in accordance with the Sizing Charts in Tables 4 & 5
- Table 4 - Outer Shell
- Table 5 - Zip Out Fleece Liner

3.0 Construction – Outer Shell:

3.1 Stitching - All stitching must be lockstitch. There must be not less than three, no more than four stitches per centimeter. The beginning and ending of all stitching must be securely backstitched, or tacked. All seams and points where stitching penetrates the shell materials, must be permanently sealed on the inside with the appropriate seam-sealing tape. Care must be taken to ensure that the tape crossover points where seams join are covered and bonded securely so as to ensure water-resistance. Any sealed seams showing any form of de-lamination or any non-bonded or peeling seams must be a cause for rejection.

3.2 Back - The body, made from shell material, must have a two-piece back. There must be a large 'hide away' patch, and a reflective patch. It must be shaped and dimensioned as per the patterns and applied to the back yoke. The lower back yoke must be faced with lining as per viewing sample and stitched as shown in drawing and seam sealed appropriately to ensure it is water proof. The back and back yoke when finished must conform in respect to the viewing sample. A 3.8 cm (1-1/2") waist channel must be stitched across the waist and a row of 2.5 cm (1") reflective tape, must be stitched along the hem about 1" from finished folded edge.

3.3 Front - The jacket, equipped with a center front slide fastener, must have two front storm flaps with dome fasteners for closure. The fronts must have four pockets; two chest pockets and two lower pockets, with slide fasteners and flaps. The outer front yoke must be constructed to create a flap with a dome fastener over the zippered chest pockets. Under the outer front yoke there must be a small 'hide away' reflective patch. The back waist channel wraps across the fronts and meets at centre front. A row of 2.5 cm (1") reflective tape, must be stitched along the hem about 1" from finished folded edge. All components of the front must be constructed as per the sealed sample.

3.4 Chest Pockets - The jacket must have two chest pockets constructed from shell fabric with slide fasteners. Ribbon pulls must be applied to each slider. Each chest pocket must have flaps created from the front yoke pattern that must be dimensioned in accordance with the patterns and drawing. The slider must be in a position closest to the center front when closed. Applied to the front flaps, must be a small 'hide away' reflective patch.

The reflective patch must be sewn to the top of the pull-down with the unfinished edges folded under. The centre front of the front yoke piece when sewn to create a pocket flap must be secured with a dome fastener. There must be two inside chest pockets constructed out of mesh material secured with a slide fastener. There must be two labels sewn through the mesh inner pocket bag with the Identification and Marking and Cleaning Instruction.

Black Loop strip is to be sewn on the outside flaps of the left and right chest pockets. Strip is to be 12.7 cm (5") x 3.8 cm (1.5") and centered on the flap.

3.5 Lower Pockets - The jacket must have two lower front pockets with slide fasteners and flaps. Ribbon pulls must be applied to the sliders. The slider must be in an upright position when the pocket is closed. The pocket bags must be constructed from mesh material dimensioned and positioned as per the patterns and drawings.

3.6 Under Fly-Front & Front Storm Flaps - The under fly front must be fitted with two injection moulded slide fasteners. One is for the front closure and one is for the attachment of the removable fleece. The jacket front slide fastener must be inserted in a way to have the slider and retaining box on the left front and the insert pin attached on the right front with ribbon pulls. The left front storm flap must have six dome fasteners (female portion), which align with the male portions attached to the right front storm flap as per drawing. There must be 1/2 (half) of a slide fastener attached to the right facing and 1/2 (half) of a slide fastener attached to the left facing to be used for the attachment of a removable fleece jacket. The 1/2 (half) attached to the right front inside facing must consist of the retaining box and slider, which must begin 2cm below the collar seam for all sizes. The 1/2 (half) attached to the left inside front must consist of the insert pin and begin 2 cm (13/16") below the collar seam for all sizes. An external pen loop must be constructed from a single layer of shell material dimensioned as per the pattern. It must be sewn to the left chest directly under the top storm flap between the front slide fastener and storm flap.

3.7 Side Seams - Both side seams from underarm to hem must be equipped with a water-resistant slide fastener. There must be 2 sliders, in a back-to-back position. All sliders must be equipped with ribbon pulls. The seam tape, when applied, must extend into the front and back hem facing so that no tape ends are visible. The side seam hem must have an elastic closure strap constructed as per viewing sample.

3.8 Collar - The collar is to be designed as per the sealed sample. There must be three dome fasteners (male portion) for the attachment of the detachable hood.

3.9 Detachable Hood - The hood must be constructed out of shell material with all sewn seams, seam sealed. It must be constructed in a way to have adjustment at the face, with elastic draw cord and cord lock. The hood must be secured to the collar with 3 (three) dome fasteners with the female portion applied to the hood and the corresponding male portion to the collar. A buttonhole or eyelet must be applied to each side of the hood side fronts for the insertion of the elastic draw cord. The elastic draw cord must be threaded through the channels and cord locks applied. A label identifying the corresponding hood size must be sewn to the inside back hood facing mid back position or facing seam.

3.10 Sleeve & Sleeve Cuffs - The jacket must have a two-piece sleeve. All sleeve seams with exception of the underarm seam must be top stitched using a 2 mm gauge. A dome fastener must be applied to a piece of gross grain ribbon which is folded in half and sewn securely to the cuff sleeve seam for the attachment of the fleece liner. The cuff must have a 9 cm (3-1/2") adjustment strap with a 4.5 cm (1-3/4") x 2.5 cm (1") piece of hook tape for adjustability. The cuff must be 5 cm (2") wide with a 12 cm (4-3/4") x 2.5 cm (1") piece loop tape to secure the adjustment strap. The cuff must be partially elasticized. The elasticized area of the cuff must have two rows of topstitching to anchor the elastic. The sleeves and cuffs must conform in all respects to the patterns.

3.11 'Hide Away' Reflective Patches - The front and back 'hide away' patches must be constructed of a single layer of shell material folded in half with raw ends turned inside and sewn. The finished length of the front 'hide away' must be 13cm (5-1/8") x 5cm (2") wide and the back 'hide away' must be 31cm (12-

1/8”) x 10cm (4”) with reflective patches - refer to technical drawings in ‘Appendix B’ for the dimensions of the reflective patches. Hide away patch must have loop tape attached to the backside for the patch to be concealed in a hide away position.

3.12 Coat Hanger - A coat hanger 6 cm (2-3/8”) long must be centered at the neck in accordance with the viewing sample.

3.13 Side Seam Closure Strap - There must be a side seam closure strap measuring 8cm when finished, at the side seam hem. It must be constructed from elastic and sewn to the lower back side seam flipping toward the front. It must be equipped with a female dome fastener for closure. The corresponding male dome fastener must be applied to the jacket front at the hem.

4.0 Zip Out Fleece Liner:

4.1 Fabric:

The removable fleece lining must be made from flame resistant, non pilling fleece - fiber content 93% Nomex, 5% Kevlar, 2% Carbon. When tested in accordance with the applicable test methods the finished fabric must comply with the requirements specified in Table 3.

The fabric must be Navy Blue to match the colour of the outer jacket shell.

4.2 Construction:

There must be a welt pocket on each front with a self-fabric pocket bag. There must be a reflective tape, set along the front hem 2.5 cm (1”) from the folded edge. There must be a reflective tape, CSA approved, set along the back hem 2.5 cm (1”) from the folded edge.

There must be a slide fastener set at the side seam. The sleeves must be lined, and fastened to the garment with a slide fastener. There is self -fabric cuff with a shock cord loop for fastening to the shell. There is a self -fabric collar and slide faster at centre front. There must be (mesh) inside chest pockets – left and right chest.

There must be two inside chest pockets constructed out of mesh material secured with a slide fastener in an upright position.

TABLE 1
STATIC-DISSIPATIVE RAINWEAR/WINDBREAKER FABRIC

Test	Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
1.	FABRIC STRUCTURE		Three layer composite fabric with: 1) Tightly woven plain weave nylon outer face. 2) WMVP middle layer. 3) Warp knit nylon tricot or polyester lining. Lining fabric is to contain carbon yarns in a grid pattern. The spacing between grid lines is not to exceed 6 mm (1/4").		
2.	MASS	5.1 * ¹	185 g/m ²	Must be sufficient to support tailoring details of the garment without exceeding the maximum acceptable.	203 g/m ²
3.	THICKNESS	37 * ¹ 1 kPa pressure	0.4 mm		0.5 mm
4.	BREAKING STRENGTH After 5 washes#	9.1 * ¹ (50 mm cut strip)		Warp: 1000 N Weft: 650 N	
5.	TEAR STRENGTH After 5 washes#	12.1 * ¹		Warp: 35 N Weft: 25 N	
6.	PUNCTURE RESISTANCE# After 5 washes	Paragraph 4.5 of TP 1324 * ²		225 N	
7.	STIFFNESS	See paragraph 30 Kawabata Evaluation System * ³ Bending Property (B Mean) Sensitivity: 5 x 1 Specimen Width: 10 cm	"B Mean" for each direction: Length: 0.700 Width: 0.400	Must be sufficient to support tailoring details of the garment without exceeding the maximum acceptable.	"B Mean" for each direction: Length: 1.350 Width: 0.620
8.	DIMENSIONAL STABILITY After 5 washes#	67 * ¹ Laundering per: 58 * ¹ III E (50°C, normal agitation, tumble dry normal setting)			Warp : 5% Weft : 5%

Test	Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
9.	HYDROSTATIC RESISTANCE KPa Face (side to be facing outward in garment) to be against water for test - initial - after 20 washes# - after ageing ((70° C & 95% RH for 168 hrs then flexing (at 20° C) <u>NOTE:</u> Tests #9 and #10 shall not use the same test specimens.	26.5 * ¹ F392 * ¹ Flexing is carried out for one hour or 2700 cycles (see para 31)		For all conditions: Average – 600 kPa	
10.	WATER RESISTANCE Face (side to be facing outward in garment) to be against water for test - initial - after 20 washes# - after ageing (70° C & 95% RH for 168 hrs then flexing (at 20° C) <u>NOTE:</u> Tests #9 and #10 shall not use the same test specimens.	Maintain test conditions at 10 psi (68.95 kPa) for 10 minutes using the equipment required for Method 26.5 * ¹ F392 * ¹ Flexing is carried out for one hour or 2700 cycles (see para 31)	For all conditions: No leakage		
11.	ABRASION RESISTANCE Face and Back (initial)	D3886 * ¹ (modified): Abradant is the face surface of the fabric under test: fabric abraded for 10,000 cycles Following abrasion test: 1) Hydrostatic Resistance Method 26.5 * ¹ , 2) Water Resistance using equipment for Method 26.5 * ¹ , 10 min/10 psi (68.95 kPa)	No leakage	Average = 600 kPa	
12.	MOISTURE VAPOUR PERMEABILITY Resistance – mm equivalent still air (average) - initial - after ageing (70° C & 95% RH for 168 hrs then flexing - after 20 washes	49-99 * ¹ option 1 (4 specimens)			For all conditions: 19

Test	Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
13.	STATIC DECAY Time to decay to 10% of applied charge - initial and after 20 washes#	5931 * ⁵ Test at 20° C & 20% RH front and back. Warp and filling, Charging to +5000V and -5000V report results for each direction and face	Fabric must charge to at least +4000V. Less than 0.5 seconds overall average time to decay, no single measurement greater than 1 second.		
14.	ELECTRICAL RESISTIVITY – surface (average ohms/square) - initial and after 20 washes#	76 * ⁶ Parallel plate method test at 20° C & 20% RH front and back, warp and filling	Average of warp and filling directions Face: 10 ⁹ to 10 ¹² Back/Lining: 10 ⁵ to 10 ⁹		Face: 10 ¹²
15.	COLOURFASTNESS TO LIGHT	18.3 * ¹ Test #1	Standard L5		Standard L4
16.	COLOURFASTNESS TO CROCKING Colour Change AND Staining	22 * ¹ Test 6.1 and 6.2			Wet & Dry: Grey scale 3-4 for both colour change and staining
17.	COLOURFASTNESS TO LAUNDERING#	19.1 * ¹ Test #2			Grey Scale 4 No marked changes in colour
18.	OIL REPELLENCY - as received - after 5 washes#	118 * ⁶		Rating 5 Rating 4	
19.	WATER REPELLENCY - as received - after 5 washes#	26.2 * ¹		100 90	
20.	DELAMINATION After: a. colourfastness to laundering. c. water resistance tests d. aging e. aging and flexing f. 20 launderings for static decay tests g. each chemical treatment for chemical resistance tests	Visual evaluation View specimens under the conditions described in 46 * ¹ and 47 * ¹	No Delamination		Delamination, as described in para 7, measuring less than 5 mm in any direction and greater than 75 mm apart is the maximum degree of delamination acceptable

Test	Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
21.	RESISTANCE TO CHEMICALS - jet fuel in accordance with CAN/CGSB – 3.22 - degreasers, cleaning agent (methyl ethyl ketone 99.8% assay) - insect repellent (DEET) liquid in accordance with CAN/CGSB-15.19 (75 %) - insect repellent (DEET) cream, 32%	See paragraph 32 for chemical exposure test method. Following exposure test: 1. Hydrostatic Resistance Method 26.5 * ¹ 2. Water Resistance using equipment for Method 26.5 * ¹ , 10 min/10psi (68.95 kPa)	No leakage	350 kPa	
22.	RESISTANCE TO FUNGAL GROWTH	28.2 * ¹			10%

**# WASH TESTS ARE TO BE DONE IN ACCORDANCE WITH –
CAN/CGSB-4.2 No. 58, WASHING PROCEDURE III (50°C, Synthetic Detergent, Normal Agitation) AND DRYING PROCEDURE E (Tumble Dry, Normal Setting).
The last wash cycle is to be carried out *without* detergent.**

*¹ CAN/CGSB-4.2 Canadian General Standards Board Textile Test Methods

*² Transport Canada, Canadian Coast Guard TP1324 Material Specification for coated Fabrics Used in the Manufacture of Inflatable Life Rafts (February 1992).

*³ i. Kawabata, S (1980) The Standardization and Analysis of Hand Evaluation (^{2nd} Edition), Chapter IV

Measurement of the Mechanical Properties of Fabrics, Para 2.2 Bending property; and

ii. KES Kato Tech Co. Ltd, Manual for Tensile & Shear Tester, KES-FB-1

*⁴ ASTM American Society for Testing and Materials – Textile Test Methods

*⁵ FED-STD-191A Federal Test Method Standard, Textile Test Methods

*⁶ American Association of Textile Chemists and Colorists – Technical Manual

TABLE 2
SEAMS

Due to the nature of these garments it is essential that the seams be sealed with an appropriate tape, that the tape ensure the waterproofness of the seams, that it be as durable as the garment and that it not unduly increase the stiffness of seams and/or garments. The same applies to seam joints and crossover points. Seams must be tested and comply with the following table:

Test No.	Property	Test Method	Requirement
1.	Hydrostatic Resistance – kPa - initial - after 5 washes# Chemical Resistance: See para 32 for chemical exposure test method. - Jet fuel, in accordance with CAN/CGSB-3.22 - Degreasers, cleaning agents (methyl ethyl ketone – 99.8% assay) - Insect repellent (DEET) liquid in accordance with CAN/CGSB – 15.19 (75%) - Insect repellent (DEET) cream 32%	26.5* para 32	Minimum 450 Minimum 350
2.	Water Resistance - initial - after 5 washes# Chemical Resistance: See para 32 for chemical exposure test method. - Jet fuel, in accordance with CAN/CGSB-3.22 - Degreasers, cleaning agents (methyl ethyl ketone – 99.8% assay) - Insect repellent (DEET) liquid in accordance with CAN/CGSB – 15.19 (75%) - Insect repellent (DEET) cream 32%	Maintain test conditions at 10 psi (68.95 kPa) for 10 minutes using the equipment required for Method 26.5* Para 32	For all conditions: No leakage
3.	Peel Strength N/23 mm	D 413**	Minimum 8N/23 mm

**# WASH TESTS ARE TO BE DONE IN ACCORDANCE WITH – CAN/CGSB-4.2 No. 58, WASHING PROCEDURE III (50°C, Synthetic Detergent, Normal Agitation) AND DRYING PROCEDURE E (Tumble Dry, Normal Setting).
The last wash cycle is to be carried out *without* detergent.**

* CAN/CGSB -4.2 Canadian General Standards Board Textile Test Methods

** ASTM American Society for Testing and Materials

TABLE 3 FLEECE FABRIC FOR REMOVABLE LINER				
Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
FIBER CONTENT		93% Nomex 5% Kevlar 2% Nylon		
SURFACE TYPE		Face – Non Pill Velour Back – Non Pill Velour		
WIDTH			152 cm	
MASS	CAN/CGSB – 4.2, No.5.1 – M90	260 g/m ²	-8%	+8%
FABRIC THICKNESS Initial & after 5 washes	CAN/CGSB – 4.2, No. 37 - 2002		6mm	8mm
STIFFNESS (Drape) Cantilever Bending Method	FTMS 191 5206			Length: 2.5 cm Width: 2.5 cm
STRETCH PROPERTIES (After 1 hour)	ASTM D 2594-99a			Length: 2% of growth Width: 5% of growth
FLAME RESISTANCE - Damaged length - After Flame	CAN/CGSB – 155.20 Para 7.1			Warp: 48 mm (max) Weft: 35 mm (max) 2 sec after flame (max)
THERMAL PROTECTIVE PERFORMANCE (TPP)	CAN/CGSB-155.1-98, Para. 6.1 – Appendix A		15 cal/cm ² (min.)	
BURSTING STRENGTH	CAN/CGSB-4.2, No. 11.2 – M89		400 Newton (min)	
RESISTANCE TO PILLING (after 30 minutes)	CAN/CGSB-4.2, No. 51.2 – M87	4 = slight pilling or better		
DIMENSIONAL CHANGE IN LAUNDERING After 5 washes#	ISO 6330-1984 (E)			Max. 5%

Property	Test Method	Requirement	Minimum Acceptable	Maximum Acceptable
COLOURFASTNESS TO LIGHT	CAN/CGSB-4.2, 18.3-97	Equal to AATCC Standard L4 or better		
COLOURFASTNESS TO LAUNDERING	CAN/CGSB-4.2, No. 19.1 - M90	Grey Scale 4 or better		
COLOURFASTNESS TO PERSPIRATION	CAN/CGSB-4.2, No. 23-M90	Grey Scale 3 or better		
CROCKING	CAN/CGSB-4.2, No. 22-M90	Wet: Grey scale 4 or better Dry: Grey scale or better		

Labeling:

Each jacket (outer shell and fleece liner) shall be permanently identified with a bilingual label indicating:

1. Size designation
2. Fiber content of shell, lining and interlining.
3. Care instructions -

Outer Jacket Shell



Machine wash warm water (40° C). No fabric softener.

Do Not Bleach

Tumble Dry Warm

Steam Iron at medium temperature (not exceeding 150° C)

Dry-clean, normal cycle, any solvent except trichloroethylene

Fleece Liner



Machine wash warm water (40° C).

Do Not Bleach

Tumble Dry Warm

Do not iron

4. Contract serial number.

Packaging:

Jackets shall be packaged separately in a plastic bag or plastic wrapping.

TABLE 4
Size Chart for Transport Canada 3 in 1 Jacket - Outer Shell

(All measurements are in Inches)

	Sizes	Height	To Fit Chest Size	Chest 1" below armhole	Waist measured stretched	Hem measured straight across	Back length from neck seam	Across Shoulder	Back Width	Sleeve Length from Centre Back measured straight	Bicep	Cuff
SHORT	XS	5'3" to 5'6"	29-32	42	41	41	30	20	19	34	20	10 1/4
	S		33-36	46	45	45		21	20 1/4	34 1/2	21	10 1/2
	M		37-40	50	49	49		22	21 1/2	35	22	10 3/4
	L		41-44	54	53	53		23	22 3/4	35 1/2	23	11
	XL		45-48	58	57	57		24	24	36	24	11 1/4
	XXL		49-52	62	61	61		25	25 1/4	36 1/2	25	11 1/2
	XXXL		53-56	66	65	65		26	26 1/2	37	26	11 3/4
	XXXXL		57-60	70	69	69		27	27 3/4	37 1/2	27	12

	Sizes	Height	To Fit Chest Size	Chest 1" below armhole	Waist measured stretched	Hem measured straight across	Back length from neck seam	Across Shoulder	Back Width	Sleeve Length from Centre Back measured straight	Bicep 1" below armhole	Cuff
Regular	XS	5'7" to 5'10"	29-32	42	41	41	32	20	19	35 1/2	20	10 1/4
	S		33-36	46	45	45		21	20 1/4	36	21	10 1/2
	M		37-40	50	49	49		22	21 1/2	36 1/2	22	10 3/4
	L		41-44	54	53	53		23	22 3/4	37	23	11
	XL		45-48	58	57	57		24	24	37 1/2	24	11 1/4
	XXL		49-52	62	61	61		25	25 1/4	38	25	11 1/2
	XXXL		53-56	66	65	65		26	26 1/2	38 1/2	26	11 3/4
	XXXXL		57-60	70	69	69		27	27 3/4	39	27	12

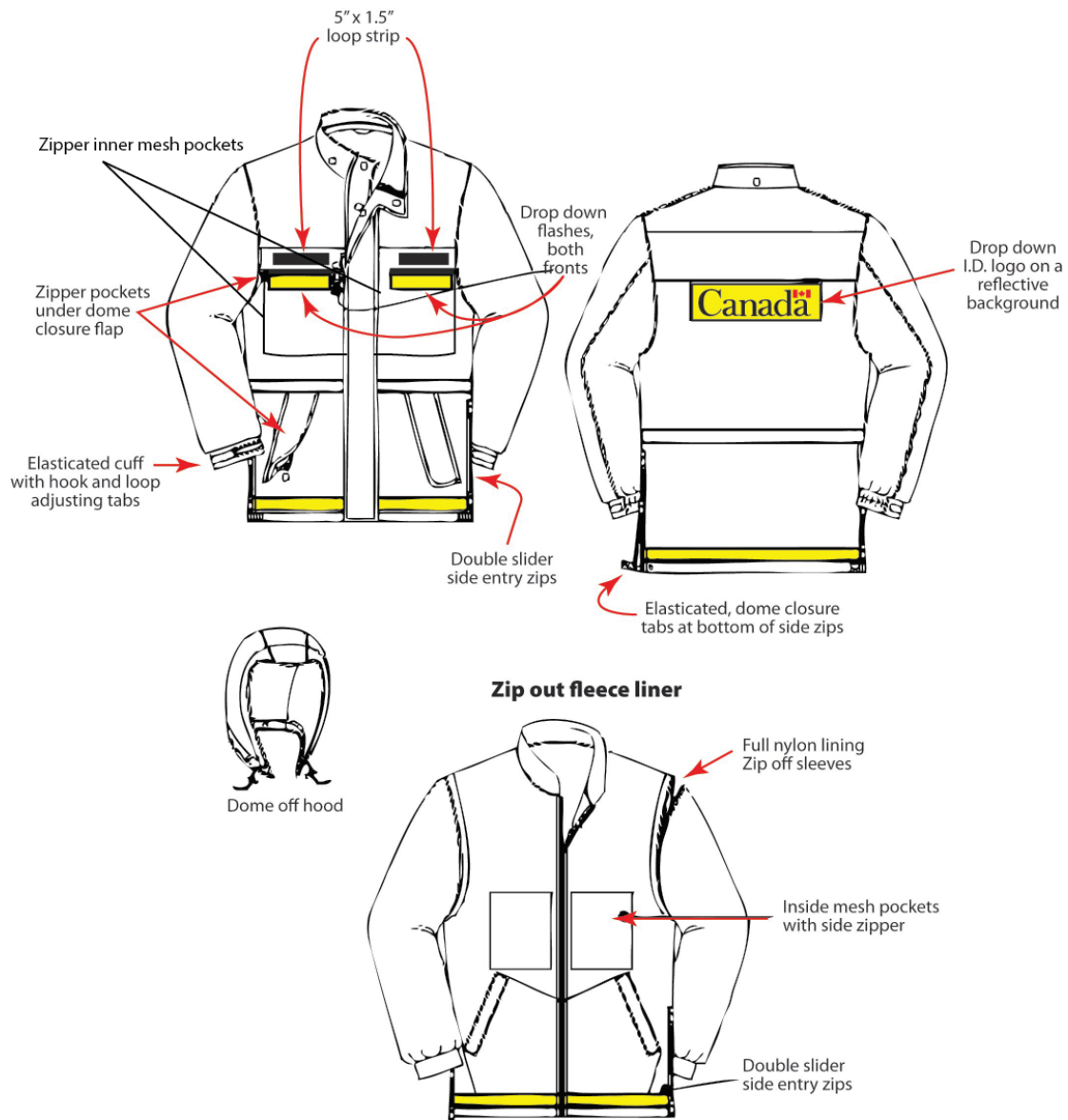
	Sizes	Height	To Fit Chest Size	Chest 1" below armhole	Waist measured stretched	Hem measured straight across	Back length from neck seam	Across Shoulder	Back Width	Sleeve Length from Centre Back measured straight	Bicep	Cuff
Tail	XS	5'11" to 6'2"	29-32	42	41	41	34	20	19	37	20	10 1/4
	S		33-36	46	45	45		21	20 1/4	37 1/2	21	10 1/2
	M		37-40	50	49	49		22	21 1/2	38	22	10 3/4
	L		41-44	54	53	53		23	22 3/4	38 1/2	23	11
	XL		45-48	58	57	57		24	24	39	24	11 1/4
	XXL		49-52	62	61	61		25	25 1/4	39 1/2	25	11 1/2
	XXXL		53-56	66	65	65		26	26 1/2	40	26	11 3/4
	XXXXL		57-60	70	69	69		27	27 3/4	40 1/2	27	12
tolerance		+ or -'	1"	1"	1"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/4"

TABLE 5
Size Chart for Transport Canada 3 in1 Jacket - Zip Out Fleece Liner (All Measurements are in Inches)

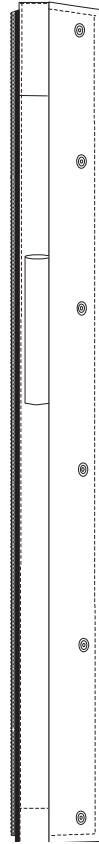
	Sizes	Height	To Fit Chest Size	Chest 1" below armhole	Hem measured straight across	Back length from neck seam	Across Shoulder	Back Width	Sleeve Length from Centre Back measured straight	Bicep	Cuff
SHORT	XS	5'3" to 5'6"	29-32	37	37	27	17 1/2	16	33	20	10 1/4
	S		33-36	41	41		18 1/2	17 1/2	33 1/2	21	10 1/2
	M		37-40	45	45		19 1/2	18 3/4	34	22	10 3/4
	L		41-44	49	49		20 1/2	20	34 1/2	23	11
	XL		45-48	53	53		21 1/2	21 1/4	35	24	11 1/4
	XXL		49-52	57	57		22 1/2	22 1/2	35 1/2	25	11 1/2
	XXXL		53-56	61	61		23 1/2	23 3/4	36	26	11 3/4
	XXXXL		57-60	65	65		24 1/2	25	36 1/2	27	12
Regular	XS	5'7" to 5'10"	29-32	37	37	29	17 1/2	16	34 1/2	20	10 1/4
	S		33-36	41	41		18 1/2	17 1/2	35	21	10 1/2
	M		37-40	45	45		19 1/2	18 3/4	35 1/2	22	10 3/4
	L		41-44	49	49		20 1/2	20	36	23	11
	XL		45-48	53	53		21 1/2	21 1/4	36 1/2	24	11 1/4
	XXL		49-52	57	57		22 1/2	22 1/2	37	25	11 1/2
	XXXL		53-56	61	61		23 1/2	23 3/4	37 1/2	26	11 3/4
	XXXXL		57-60	65	65		24 1/2	25	38	27	12

	Sizes	Height	To Fit Chest Size	Chest 1" below armhole	Hem measured straight across	Back length from neck seam	Across Shoulder	Back Width	Sleeve Length from Centre Back measured straight	Bicep	Cuff
	XS		29-32	37	37	31	17 1/2	16	36	20	10 1/4
	S		33-36	41	41		18 1/2	17 1/2	36 1/2	21	10 1/2
	M		37-40	45	45		19 1/2	18 3/4	37	22	10 3/4
	L	5'11" to 6'2"	41-44	49	49		20 1/2	20	37 1/2	23	11
	XL		45-48	53	53		21 1/2	21 1/4	38	24	11 1/4
	XXL		49-52	57	57		22 1/2	22 1/2	38 1/2	25	11 1/2
	XXXL		53-56	61	61		23 1/2	23 3/4	39	26	11 3/4
	XXXXL		57-60	65	65		24 1/2	25	39 1/2	27	12
	tolerance	+ or -'	1"	1"	1"	1/2"	1/2"	1/2"	1/2"	1/2"	1/4"

APPENDIX 'A'

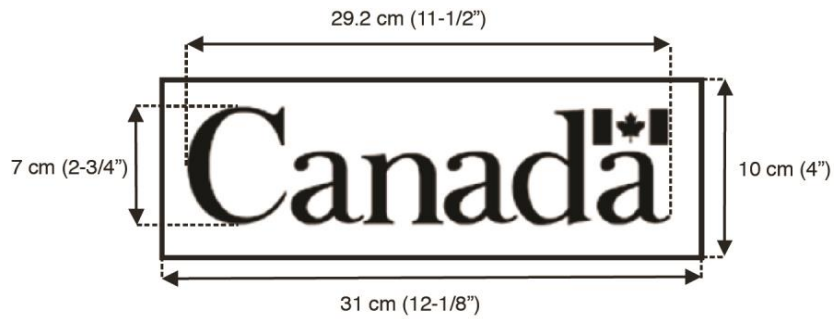


A pen pocket is located just inside the front fly.
As shown in the sketch, this hidden pocket is protected from the elements,
will not collect water, and eliminates the need for additional stitching on the
outer shell of the garment.



APPENDIX 'B'

CANADA WORKMARK WITH FLAG



*DRAWING IS NOT TO SCALE