



**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 a Standing Offer
Demande d'offre à commandes**

National Individual Standing Offer (NISO)
Offre à commandes individuelle nationale (OCIN)

Canada, as represented by the Minister of Public Works and
Government Services Canada, hereby requests a Standing Offer
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et
Services Gouvernementaux Canada, autorise par la présente,
une offre à commandes au nom des utilisateurs identifiés
énumérés ci-après.

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 Soft Body Armour system	
Solicitation No. - N° de l'invitation 47419-190603/A	Date 2018-11-21
Client Reference No. - N° de référence du client 47419-190603	GETS Ref. No. - N° de réf. de SEAG PW-\$\$PR-737-75865
File No. - N° de dossier pr737.47419-190603	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-12-18	
Time Zone Fuseau horaire Eastern Standard Time EST	
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Dusenbury, Debbie	Buyer Id - Id de l'acheteur pr737
Telephone No. - N° de téléphone (819)995-1137 ()	FAX No. - N° de FAX (819)956-5454
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY 2405 St. Laurent BLVD, Unit H Ottawa Ontario K1G 5B4 Canada	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

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

47419-190603/A
Dusenbury, Debbie
E-mail debbie.dusenbury@tpsgc-pwgsc.gc.ca

Requirement:

This requirement is for the establishment of a National Individual Standing Offer (NISO) for Canada Border Services Agency (CBSA) for the supply of Soft Body Armour (SBA) System (fully assembled) including front and back ballistic panels, two (2) internal carriers and one (1) external carrier.

Also required are "As and When Requested" Services for Training and Tailoring Services.

Orders will be issued on an "as & when requested" basis for the period of three (3) years with the possibility to extend the Standing Offer for two (2) additional one-year period.

Delivery is to be made to various locations across Canada as specified in each individual Call-Up document.

The requirement is limited to Canadian goods and/or services.

The national security exceptions provided for in the trade agreements have been invoked; therefore, this procurement is excluded from all of the obligations of all the trade agreements.

Period of the Standing Offer: The period for making call-ups against the Standing Offer is from date of standing offer issuance to 20-March-2022 inclusive.

DELIVERABLES :

Description	Estimated Quantity	Unit of Issue
Soft Body Armour (SBA) Systems (fully assembled) including front and back ballistic panels, two (2) internal carriers and/or one (1) external carrier	3,400	Set

* A size roll will be provided at time of "call-up"

EXTENSION PERIOD #1 : estimated quantity 2,200 sets
EXTENSION PERIOD #2 : estimated quantity 2,200 sets

Pre-Award Sample and Supporting Documentation

As part of the technical evaluation, to confirm an Offeror's capability of meeting the technical requirements, pre-award samples of Item 001: Soft Body Armour – Ballistic (fully assembled), consisting of front and back panels as well as two (2) internal carriers and one (1) external carrier.

- In accordance with the Technical Specification CBSA/ASFC-2018-01-113 dated 25-July-2018 at paragraph 1.3 above or in accordance with paragraph 5.8 of Annex "A-1". **TESTING LABS** – All certification testing must be performed by an independent laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement Technology Center (NLETC) for testing in accordance with the NIJ 0101.06 Standard for Bullet Resistant Body Armour.

In addition, Certificate of Compliance for the following are required as defined herein:

- Shell material
- Lining material
- Hook and loop
- Slide fastener
- Elastic (woven)
- Elastic (knitted)
- Webbing

Enquiries: To ensure a response before the bid closing date, all enquiries about this requirement must be submitted in writing and received by the Contracting Authority at least seven (7) calendar days prior to the bid closing date.

E-mail: debbie.dusenbury@tpsgc-pwgsc.gc.ca

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PART 1 - GENERAL INFORMATION

1.1 Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3 Offer Preparation Instructions: provides Offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by Offerors; and
- Part 7 7A, Standing Offer, and 7B, Resulting Contract Clauses:
 - 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
 - 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Statement of Requirement and the Statement of Work, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification and any other annexes

1.2 Summary

1.2.1 This requirement is for the establishment of a National Individual Standing Offer (NISO) for Canada Border Services Agency (CBSA) for the supply of Soft Body Armour (SBA) System (fully assembled) including front and back ballistic panels, two (2) internal carriers and one (1) external carrier.

Orders will be issued on an "as & when requested" basis for the period of three (3) years with the possibility to extend the Standing Offer for two (2) additional one-year period.

Delivery is to be made to various locations across Canada as specified in each individual Call-Up document.

1.2.2 The requirement is limited to Canadian goods and/or services.

1.2.3 The national security exceptions provided for in the trade agreements have been invoked; therefore, this procurement is excluded from all of the obligations of all the trade agreements.

1.3 Debriefings

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

1.4 Anticipated Migration to an e-Procurement Solution (EPS)

Canada is currently developing an online EPS for faster and more convenient ordering of goods and services. In support of the anticipated transition to this system and how it may impact any resulting Standing Offer that is issued under this solicitation, refer to 7.15 Transition to an e-Procurement Solution (EPS).

The Government of Canada's [press release](#) provides additional information.

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) 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.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006](#) (2018/05/22) - Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of [2006](#), Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

2.2 Submission of Offers

Offers 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 Request for Standing Offers.

2.3 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than seven (7) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by Offerors 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 Offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Offerors. Enquiries not submitted in a form that can be distributed to all Offerors may not be answered by Canada.

2.4 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 Offerors.

2.5 Samples

Samples 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**
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](mailto:TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@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: Ruth Ottman-Villarreal
Email : Ruth.Ottman-Villarreal@pwgsc-
tpsgc.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 Specifications and Standards

2.6.1 United States Military Specifications and Standards

The Offeror 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

2.6.2 Canadian General Standards Board (CGSB) - Standards

A copy of the CGSB Standards referred to in the offer 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 - OFFER PREPARATION INSTRUCTIONS

3.1. Offer Preparation Instructions

Canada requests that Offerors provide their offer in separately bound sections as follows:

Section I: Technical Offer (2 hard copies – refer to Section 1 below)
Section II: Financial Offer (1 hard copy)
Section III: Certifications (1 hard copy)
Section IV: Additional Information (1 hard copy)

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

Canada requests that Offerors follow the format instructions described below in the preparation of their offer.

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to that of the Request for Standing Offers.

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 (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, Offerors 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)
Offerors 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 Offer

In their technical offer, Offerors 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 Offer

Offerors must submit their financial offer in accordance with Annex "A".

3.1.1 Electronic Payment of Invoices – Offer

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

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

Section IV: Additional Information

3.1.3 Origin of work

Offerors must provide the name, address and country of manufacturers, subcontractors and suppliers to be utilized in the performance of the contract.

Items will be manufactured at: _____ (please indicate the complete address of the plant).

The following suppliers/subcontractor(s) will be utilized in the performance of the contract:

- a. Name and address of supplier/subcontractor: _____
- b. Location where work will be _____ (please indicate the complete address if different from the address provided in a))
- c. Nature of subcontracting work performed: _____
- d. Value of subcontract: \$ _____
(Enter the information for each supplier/subcontractor)

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

The Offeror agrees that Canada may publicly disclose the information provided with respect to the countries of origin.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Pre-Award Samples and Supporting Documentation

As part of the technical evaluation, to confirm an Offeror's capability of meeting the technical requirements, pre-award samples of Item 001: Soft Body Armour – Ballistic (fully assembled), consisting of front and back panels as well as two (2) internal carriers and one (1) external carrier), and as detailed below, all in accordance with the Technical Specification CBSA/ASFC-2018-01-113 (dated 25-July-2018), and test results (refer to the Technical Specification CBSA/ASFC-2018-01-113, dated 25-July-2018) must be included with the offer.

Pre-Award Samples of the Soft Body Armour system (fully assembled) shall consist of the following:

Gender Neutral Male (Flat panel)

- Size 44 Regular
- One (1) front ballistic panel
- One (1) back ballistic panel
- External Carrier – with optional suspenders and cummerbund
- Internal Carrier; White in colour

Gender Neutral Female (Flat panel)

- Size 36C Regular
- One (1) front ballistic panel
- One (1) back ballistic panel
- External Carrier - with optional suspenders and cummerbund
- Internal Carrier; Dark Navy Blue in colour

Colour Swatch Matching Pantone TCX 19-3924 Night Sky (Shell Materials for Internal & External Carriers)

- 12.5cm X 12.5cm (5" x 5") colour swatch.

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

The Offeror 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 offer at time and place of Request for Standing Offer closing. Failure to submit the required pre-award samples, test results and Certificates of Compliance within the specified time frame will result in the offer being declared non-responsive. The sample submitted by the Offeror will remain the property of Canada.

Laboratory analysis of the product offered showing complete test results (refer to the Technical Specification CBSA/ASFC-2018-01-113, dated 25-July-2018 and for specific tests listed hereunder of physical properties detailed in the technical requirement must be provided with the pre-award samples. Testing must be performed by an independent accredited laboratory establishment and must be in accordance with the test methods detailed in the technical requirement. The laboratory report and tests results must be dated within six (6) months of the Request for Standing Offer posting date.

- In accordance with the Technical Specification CBSA/ASFC-2018-01-113 dated 25-July-2018 and in accordance with paragraph 5.8 of Annex "A-1". **TESTING LABS** – All certification testing must be performed by an independent laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement Technology Center (NLETC) for testing in accordance with the NIJ 0101.06 Standard for Bullet Resistant Body Armour.

In addition, Certificate of Compliance for the following are required as defined herein:

- Shell material Elastic (woven)
- Lining material Elastic (knitted)
- Hook and loop Webbing
- Slide fastener
- Webbing

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

In the event that a component i.e. Colour and main fabric is not available to the Offeror in a time frame to manufacture the pre-award sample, the Offeror may use a similar substitute component. Also, the Offeror must include a letter explaining the substitution is submitted with the pre-award sample, together with a statement that, should the Offeror be issued the standing offer, all materials will be strictly in accordance with the technical requirement.

Minor observations (up to a maximum of 5) will not be a reason to reject the samples unless, in the opinion of the technical evaluator(s), they are considered to render the item unserviceable. However, only one deviation will result in the offer being declared non-responsive.

The requirement for a pre-award samples, test results and certificates of compliance in accordance with the NIJ 0101.06 will not relieve the successful Offeror from submitting samples and test results as required by the standing offer terms or from strictly adhering to the technical requirement of this Request For Standing Offer and any resultant standing offer.

CERTIFICATE OF COMPLIANCE-DEFINITION

A Certificate of Compliance is a written statement from an appropriate official of the component manufacturer OR of the Offeror attesting the full compliance of the components (Shell material, lining material, hook and loop, slide fastener, elastic, and webbing) to the specification. This document must be on official company stationery; it must be dated within six months of the Request for Standing Offer posting date 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 Offeror must submit firm unit/lot prices and firm hourly rates in Canadian dollars, applicable taxes excluded, DDP to various locations across Canada, transportation costs extra, Incoterms 2000, all applicable Customs Duties and Excise taxes included.
- b. The Offeror must submit firm unit/lot and firm hourly pricing for all items.

4.2 Basis of Selection

An offer must comply with all requirements of the RFSO and meet all mandatory technical and financial evaluation criteria to be declared responsive.

The responsive offer with the lowest responsive aggregate price will be recommended for the issuance of a standing offer (1 standing offer only). Ranking will be established using the estimated quantities for all items.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Offerors must provide the required certifications and additional information to be issued a standing offer.

The certifications provided by Offerors to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority will render the offer non-responsive, result in the setting aside of the Standing Offer or constitute a default under the Contract.

5.1 Certifications Required with the Offer

Offerors must submit the following duly completed certifications as part of their offer.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all offerors must provide with their offer, **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.

5.1.2 Ethical Procurement Certification

The ethical considerations for procurement of apparel certification document attached to this RFSO at Annex "2" to Part 5 is incorporated by reference into, and forms a binding part of the RFSO. The Offeror must comply with the certification.

By submitting an offer in response to this RFSO, the Offeror certifies that:

- a. it has read and understands the certification attached to this RFSO;*
- b. it understands that the eight fundamental human and labour rights laid out in the certification document must be complied with or the offer may be declared non-responsive, or Canada may terminate any resulting standing offer for default.*

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 Offeror 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 - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror 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-Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

5.2.3 Additional Certifications Precedent to Issuance of a Standing Offer

5.2.3.1 Canadian Content Certification

5.2.3.1.1 SACC Manual clause A3050T (2014/11/27) Canadian Content Definition

Rules of Origin - Apparel

With reference to the Canadian Content Certification clause, apparel goods are considered to be Canadian goods according to the North American Free Trade Agreement Rules of Origin as follows:

Apparel goods classified in Chapters 61 and 62 of the Harmonized System that are both cut (or knit to shape) and sewn in Canada will be considered Canadian goods.

Canadian Content Certification

This procurement is limited to Canadian goods.

The Offeror certifies that:

() a minimum of 80 percent of the total price for the offer consist of Canadian goods as defined in paragraph 1 of clause A3050T.

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult Annex 3.6.(9), Example 2, of the *Supply Manual*.

Plant Location

Items will be manufactured at: _____

5.2.3.2 Samples and Production Certification

The Offeror certifies that:

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

5.2.3.3 Rate Certification

By submitting an offer, the Offeror certifies that the price proposed

- (a) is not in excess of the lowest price charged anyone else, including the Offeror's most favoured customer, for the like quality and quantity of the goods, services or both;
- (b) does not include an element of profit on the sale in excess of that normally obtained by the Offeror on the sale of goods, services or both of like quality and quantity, and

PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

6.1 Offer

6.1.1 The Offeror offers to fulfill the requirement in accordance with the Requirement at Annex "A".

6.2 Security Requirements

6.2.1 There is no security requirement applicable to the Standing Offer.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2005 (2017/06/21) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

6.3.2 Standing Offers Reporting

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases ordered, including purchases paid for by a Government of Canada Acquisition Card.

The Offeror must provide an electronic version of this data in accordance with the reporting requirements detailed in Annex "C". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

1st quarter: April 1, to June 30;
2nd quarter: July 1 to September 30;
3rd quarter: October 1 to December 31;
4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than 15 calendar days after the end of the reporting period.

6.4 Term of Standing Offer

6.4.1 Period of the Standing Offer

The period for making call-ups and providing services against the Standing Offer is from standing offer issuance to 20-March-2022 inclusive.

6.4.2 Extension of Standing Offer

Extension #1: March 21, 2022 to March 20, 2023

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for an additional 12-month period, **March 21, 2022 to March 20, 2023** under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

Extension #2: March 21, 2023 to March 20, 2024

If the Standing Offer is authorized for use beyond the first extension period, the Offeror offers to extend its offer for an additional 12-month period, **March 21, 2023 to March 20, 2024** under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority 30 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

6.5 Authorities

6.5.1 Standing Offer Authority

The Standing Offer Authority is:

Debbie Dusenbury
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate (CCPD)
Clothing & Textiles Division
L'Esplanade Laurier, East Tower 7th Floor
140 O'Connor, Street, Ottawa, Ontario
K1A 0R5 Canada

Telephone: 613-955-1137 Facsimile: 613-943-7970
E-mail address: Debbie.dusenbury@tpsgc-pwgsc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Standing offer authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

6.5.2 Technical Authority

The Technical Authority for the Standing Offer is:

Technical Authority Mailing/Shipping Address (CBSA)

Canadian Border Services Agency
Attention: *(to be advised at time of standing offer issuance)*

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Standing Offer and is responsible for all matters concerning the technical content of the Work under the Standing Offer. 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 Standing Offer Revision issued by the Standing Offer Authority.

6.5.3 Procurement Authority

Canadian Border Services Agency
Attention: *(to be advised at time of standing offer issuance)*

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Standing Offer. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Standing Offer. The Offeror may discuss administrative matters identified in the Standing Offer 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 Standing Offer Revision issued by the Standing Offer Authority.

6.5.4 Offeror's Representative

The person responsible for:

General enquiries

Name: _____
Telephone Number: _____
Facsimile Number: _____
E-mail address: _____

Delivery follow-up

Name: _____
Telephone Number: _____
Facsimile Number: _____
E-mail address: _____

6.6 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is: Canada Border Services Agency (CBSA) headquarters.

6.7 Call-up Instrument

The Work will be authorized or confirmed by Identified User(s) using the duly completed forms or their equivalents as identified in paragraphs 1 and 2 below, or by using Canada acquisition cards (Visa or MasterCard) for low dollar value requirements..

1. Call-ups must be made by Identified Users' authorized representatives under the Standing Offer and must be for goods or services or combination of goods and services included in the Standing Offer at the prices and in accordance with the terms and conditions specified in the Standing Offer.
2. Any of the following forms could be used which are available through PWGSC Forms Catalogue website:
 - PWGSC-TPSGC 942 Call-up Against a Standing Offer
 - PWGSC-TPGSC 942-2 Call-up Against a Standing Offer - Multiple Delivery
 - PWGSC-TPSGC 944 Call-up Against Multiple Standing Offers (English version)
 - PWGSC-TPSGC 945 Commande subséquente à plusieurs offres à commandes (French version)

6.8 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$400,000.00 (Applicable Taxes included).

6.9 Financial Limitation

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the sum of \$to be determined at standing offer issuance (Applicable Taxes excluded) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when **75 percent** of this amount has been committed, or **three (3) months** before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

6.10 Priority of Documents

If there is a discrepancy between the wordings 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 call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2017/06/21), General Conditions - Standing Offers - Goods or Services;
- d) the general conditions 2030 (2018/06/21), General Conditions – Higher Complexity – Goods
- e) Annex “A” - Statement of Requirement and Annex “A-1” – Statement of Work
- f) Annex “B” – Specification CBSA/ASFC-2018-01-113, dated 25-July-2018
- g) Drawings
- h) Sealed Sample
- i) the Offeror's offer dated _____

6.11 Certifications and Additional Information

6.11.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Offeror with its offer or precedent to issuance of the Standing Offer (SO), and the ongoing cooperation in providing additional information are conditions of issuance of the SO and failure to comply will constitute the Offeror in default. Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO.

6.12 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.13 Transition to an e-Procurement Solution (EPS)

During the period of the Standing Offer, Canada may transition to an EPS for more efficient processing and management of individual call-ups for any or all of the SO's applicable goods and services. Canada reserves the right, at its sole discretion, to make the use of the new e-procurement solution mandatory.

Canada agrees to provide the Offeror with at least a three-month notice to allow for any measures necessary for the integration of the Offer into the EPS. The notice will include a detailed information package indicating the requirements, as well as any applicable guidance and support.

If the Offeror chooses not to offer their goods or services through the e-procurement solution, the Standing Offer may be set aside by Canada.

6.14 Plant Closing

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

Year 1: March 21, 2019 to March 20, 2020

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

Year 2: March 21, 2020 to March 20, 2021

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

Year 3: March 21, 2021 to March 20, 2022

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

6.15 Plant Location

Items will be manufactured at: _____

6.16 Ethical Apparel

The ethical procurement certification incorporated into the RFSO on its closing date is incorporated into, and forms a binding part of any Standing Offer. The Offeror must ensure continuous compliance with the provisions of the ethical procurement certification that was signed during the offer process throughout the duration of the Standing Offer.

The origin of work clause incorporated into the RFSO on its closing date is incorporated into, and forms a binding part of the Standing Offer. It is the Offeror's responsibility to ensure continuous accuracy with the origin of work information provided with their offer and must immediately inform Canada in writing of any and all changes affecting the information provided under the origin of work clause during the entire Standing Offer period. The certification is subject to verification by Canada at any given time during the period of the Standing Offer. If the certification is found to be untrue Canada may declare an offer non-responsive or may declare an Offeror in default, whether made knowingly or unknowingly during the offer evaluation period or during the Standing Offer period. The continuing obligation to maintaining this certification is a material obligation of the Standing Offer.

6.17 Specifications and Standards

6.17.1 United States Military Specifications and Standards

The Offeror 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

6.17.2 Canadian General Standards Board (CGSB) - Standards

A copy of the CGSB Standards referred to in the Standing Offer 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>

B. RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

7.1 Statement of Requirement

The Contractor must provide the items detailed in the call-up against the Standing Offer.

7.2 Standard Clauses and Conditions

7.2.1 General Conditions

[2030](#) (2018/06/21), General Conditions – Higher Complexity – Goods, apply to and form part of the Contract.

7.3 Term of Contract

7.3.1 Delivery Date

Delivery must be made in accordance with paragraphs 13 and 14 of Annex "A-1".

7.3.1.1 Period of the Contract

The Work must be completed in accordance with the call-up against the Standing Offer.

7.4 Payment

7.4.1 Basis of Payment

In consideration of the Offeror satisfactorily completing all of its obligations under the Contract, the Offeror will be paid firm unit prices and firm hourly rates, as specified in the line item detail in Annex "A", Transportation costs extra. Customs duties are included and Applicable Taxes are extra.

Travel and Living Expenses

The Offeror will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead in accordance with the Treasury Board Directive.

All travel must have prior authorization of the CBSA Project Authority. Travel to CBSA locations must be consolidated as much as possible to avoid duplication of travel and living expenses. All payments are subject to government audit.

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

7.4.2 SACC Manual Clauses

[H1001C](#) 2008/05/12 Multiple Payments

7.4.3 Electronic Payment of Invoices – Call-up

Insert the following clause, if applicable, where payment for call-ups against the standing offer will be made using electronic payment instruments. Refer to Annex "X" Electronic Payment Instruments, where the Offeror indicated which electronic payment instruments are accepted.

Contracting officers must reproduce below, the information from Annex "1 to Part 3" Electronic Payment Instruments, in which were identified electronic payment instruments accepted by the Contractor and renumber accordingly.

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

- a. Direct Deposit (Domestic and International);

7.5 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

Email: *(to be advised at standing offer issuance and at time of call-up)*

OR

By Mail:

Canada Border Services Agency (CBSA)
National Invoice Reception Unit
Attention: *(to be advised at standing offer issuance and at time of call-up)*

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

7.6 Insurance - No Specific Requirement

SACC Manual clause G1005C (2016/01/28) Insurance - No Specific Requirement

7.7 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.

7.8 Overshipment

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

7.9 Materials: Contractor Total Supply

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

7.10 Delivery

7.10.1 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the call-up document and delivered:

Delivered Duty Paid (DDP) (to various locations across Canada), transportation costs extra, Incoterms 2000 for shipments from a commercial contractor.

The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (various locations across Canada). Unless otherwise directed, delivery must be made by the most economical means. Shipping charges must be shown as a separate item on the Contractor's invoice. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.

(Derived from SACC D6009C)

7.10.2 Packaging

Packing must be in accordance with standard commercial practice to ensure safe delivery at destination. Refer also to paragraph 6 of the SOW (Annex "A-1).

7.10.3 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.

7.11 Pre-Production Sample

7.11.1 Pre-Production Sample

1. The Contractor must provide a pre-production sample of the Soft Body Armour (SBA) System (fully assembled, accompanied by the sealed sample, if applicable, to the Technical Authority for acceptance within 15 calendar days from date of standing offer issuance.
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 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.

(Derived from - Provenant de: B7011C)

ANNEX "A"
STATEMENT OF REQUIREMENT

A.1. TECHNICAL REQUIREMENT

The Offeror is required to provide Canada with Soft Body Armour (SBA) System (fully assembled) including front and back ballistic panels, two (2) internal carriers and/or one (1) external carrier for the Canada Border Services Agency (CBSA); for up to a 36-month period with possible two (2) 12-month extension periods of the Standing Offer; and delivery points to various locations across Canada as specified in each individual Call-Up document, all in accordance with the technical specification CBSA/ASFC-2018-01-113 dated 25-July-2018 (Annex "B"), and in accordance with the Statement of Work (SOW) (Annex "A-1").

Also required are "As and When Requested" services for Training and Tailoring Services.

Orders will be issued on an "as & when requested" basis for the period of three (3) years with the possibility to extend the Standing Offer for two (2) additional one-year period.

Delivery is to be made to various locations across Canada as specified in each individual Call-Up document.

A.2. ADDRESSES

Destination Address	Invoicing Address
Canada Border Services Agency Ottawa, Ontario <i>(location to be specified in each call-up document)</i>	Canada Border Services Agency (refer to clause 7.5 herein)

A.3. DELIVERABLES

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
	<p>Soft Body Armour (SBA) System (fully assembled) always includes the following:</p> <ul style="list-style-type: none"> - one front ballistic panel - one back ballistic panel - two (2) carriers (external or internal carriers) <p>Carrier options:</p> <ul style="list-style-type: none"> - internal carriers (dark blue) - internal carriers (white) - an external carrier (Pantone TCX19-3924) <p><u>Ballistic Panels:</u></p> <ul style="list-style-type: none"> - gender neutral, male, flat panel, standard size - gender neutral, female, flat panel, standard size - gender neutral, male or female, flat panel, custom size - female shaped, custom size 	3,400	Set	Please provide unit prices below:
1	Gender Neutral, Male (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
2	Gender Neutral, Female (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
3	Gender Neutral, Male (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
4	Gender Neutral, Female (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
5	Female Shaped, Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____

Optional components, in accordance with Annex "A-1:

Item	Description	Estimated Quantities	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
6	Locking D-rings (2 pieces)	1	Set	\$ _____
7	Additional Cumberbund	1	Each	\$ _____
8	Additional Elastic Side Straps (set of 2)	1	Set	\$ _____

“As and When Requested” Services
TRAINING AND TAILORING SERVICES

Item	Description	Estimated Quantities	Unit of Issue	Hourly Firm Rate, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
9	Training Services In accordance with Annex “A-1” and “B”	1	hour	\$ _____
10	Alteration/Tailoring Services in accordance with Annex “A-1” and “B”	1	hour	\$ _____

EXTENSION PERIOD #1 (within 48 months of standing offer issuance)

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
	Soft Body Armour (SBA) System (fully assembled) always includes the following: - one front ballistic panel - one back ballistic panel - two (2) carriers (external or internal carriers) <u>Carrier options:</u> - internal carriers (navy) - internal carriers (white) - an external carrier (Pantone TCX19-3924) <u>Ballistic Panels:</u> - gender neutral, male, flat panel, standard size - gender neutral, female, flat panel, standard size - gender neutral, male or female, flat panel, custom size - female shaped, custom size	2,200	Set	Please provide unit prices below:
1	Gender Neutral, Male (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
2	Gender Neutral, Female (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
3	Gender Neutral, Male (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
4	Gender Neutral, Female (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____

Solicitation No. - N° de l'invitation
 47419-190603/A
 Client Ref. No. - N° de réf. du client
 47419-190603

Amd. No. - N° de la modif.
 File No. - N° du dossier
 pr737.47419-190603

Buyer ID - Id de l'acheteur
 pr737

5	Female Shaped, Custom Size and Shape	Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
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OPTIONAL COMPONENTS DURING THE EXTENSION PERIOD #1

Optional components, in accordance with Annex "A-1, include:

Item	Description	Estimated Quantities	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
6	Locking D-rings (2 pieces)	1	Set	\$ _____
7	Additional Cummerbund	1	Each	\$ _____
8	Additional Elastic Side Straps (set of 2)	1	Set	\$ _____

TRAINING AND TAILORING SERVICES DURING THE EXTENSION PERIOD #1

As and When Requested Services

Item	Description	Estimated Quantities	Unit of Issue	Hourly Firm Rate, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
9	Training Services In accordance with Annex "A-1" and "B"	1	hour	\$ _____
10	Alteration/Tailoring Services in accordance with Annex "A-1" and "B"	1	hour	\$ _____

EXTENSION PERIOD #2 (within 60 months of standing offer issuance)

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
	<p>Soft Body Armour (SBA) System (fully assembled) always includes the following:</p> <ul style="list-style-type: none"> - one front ballistic panel - one back ballistic panel - two (2) carriers (external or internal carriers) <p>Carrier options:</p> <ul style="list-style-type: none"> - internal carriers (navy) - internal carriers (white) - an external carrier (Pantone TCX19-3924) <p><u>Ballistic Panels:</u></p> <ul style="list-style-type: none"> - gender neutral, male, flat panel, standard size - gender neutral, female, flat panel, standard size - gender neutral, male or female, flat panel, custom size - female shaped, custom size 	2,200	Set	Please provide unit prices below:
1	Gender Neutral, Male (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
2	Gender Neutral, Female (Flat panel), Standard Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
3	Gender Neutral, Male (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
4	Gender Neutral, Female (Flat panel), Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____
5	Female Shaped, Custom Size and Shape			Ballistic Panels (front & back) \$ _____ External Carrier (dark blue) \$ _____ Internal Carrier (white) \$ _____ Internal Carrier (dark blue) \$ _____

OPTIONAL COMPONENTS DURING THE EXTENSION PERIOD #2

Optional components, in accordance with Annex "A-1, include:

Item	Description	Estimated Quantities	Unit of Issue	Firm Unit Price, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
6	Locking D-rings (2 pieces)	1	Set	\$ _____
7	Additional Cumberbund	1	Each	\$ _____
8	Additional Elastic Side Straps (set of 2)	1	Set	\$ _____

Solicitation No. - N° de l'invitation
47419-190603/A
Client Ref. No. - N° de réf. du client
47419-190603

Amd. No. - N° de la modif.
File No. - N° du dossier
pr737.47419-190603

Buyer ID - Id de l'acheteur
pr737

TRAINING AND TAILORING SERVICES DURING THE EXTENSION PERIOD #2

As and When Requested Services

Item	Description	Estimated Quantities	Unit of Issue	Hourly Firm Rate, DDP to various locations across Canada, Transportation costs extra, Applicable Taxes extra
9	Training Services In accordance with Annex "A-1" and "B"	1	hour	\$ _____
10	Alteration/Tailoring Services in accordance with Annex "A-1" and "B"	1	hour	\$ _____

ANNEX "A-1" **STATEMENT OF WORK**

This requirement shall be produced in accordance with Specification CBSA/ASFC-2018-01-113, dated 2018-07-25, and the Sealed Samples for quality and workmanship.

The CBSA has a mandatory requirement for the issuance of SBA systems and components for all officers. The CBSA workforce includes over 6,500 uniformed CBSA Border Services Officers, who provide services at approximately 1,200 points across Canada and at 39 international locations:

- The CBSA manages 117 land-border crossings and operates at 13 International Airports. Ten (10) of the International Airports and sixty-one (61) of the land-border crossings operate on a 24/7 basis. For more information about CBSA locations, please refer to <http://www.cbsa.gc.ca/agency-agence/what-quoi-eng.html>
- CBSA officers carry out marine operations at major ports, the largest being Halifax, Montréal and Vancouver, and at numerous marinas and reporting stations.
- CBSA officers also perform operations at 27 rail sites.
- The CBSA processes and examines international mail at three mail processing centres.

The CBSA recruits approximately 500 new employees yearly, and approximately 300 student hires which may result in urgent orders throughout the year. Due to the many factors affecting recruiting levels, this number can vary year-to-year.

SECTION	DESCRIPTION OF DELIVERABLES
1. TESTING/CERTIFICATION (Pre-Contract Award Stage)	
1.1.	Required documentation: <ul style="list-style-type: none"> • Material Total Areal Density – Test Data • Material Thickness - Test Data • Back Face Signature (BFS) – Test Data • Material lot V50 test results - Test Data
1.2.	TESTING COSTS All test costs will be paid for and arranged by the Offeror/manufacturer.
1.3.	TESTING LABS All certification testing must be performed by an independent laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement Technology Center (NLETC) for testing in accordance with the NIJ 0101.06 Standards for Bullet Resistant Body Armour.
1.4.	TESTING APPROVAL All test reports related to each lot must be submitted to the CBSA upon request. Records relating to, and including, production and testing of ballistic aramid cloth and ballistic panels must be maintained for a period of ten (10) years. The records must be available to the CBSA for reference upon request.
1.5.	TEXTILE PERFORMANCE STANDARDS It is the responsibility of the Offeror to ensure compliance with the textile requirements outline in Table I of the specification. The Offeror must provide Mill Specification Sheets (on Mill letterhead) outlining all requirements specified in Table I. If this information is not available, it must be supplied by an Accredited Independent Testing Facility.
2. SERIAL NUMBER	
	Each unit of SBA shall have two serial numbers (front and back). Each serial number must be able to be traced to its original ballistic material lot number. It is the responsibility of the Offeror to maintain the records for a minimum of 10 years and to provide this list when requested by the CBSA.

3. TRACKING	
	<p>The Offeror must provide and maintain a CBSA approved tracking system of all SBA Systems supplied. Records must be kept throughout the terms of the Standing Offer, until such time as the ballistic panels have expired, and must be made available to the CBSA upon request. Tracking shall consist of the following:</p> <ul style="list-style-type: none"> • Officer's name; • Reference Number (Specified by the CBSA); • Shipping address; • Size; • Both Ballistic Panel Serial numbers (front and back); • Date of Manufacture; • Warranty date; • Region; and • Other, as required by the CBSA.
4. TRAINING	
4.1.	The Offeror may be expected to visit CBSA locations across Canada in order to provide CBSA personnel with information regarding the different products offered and features of those products. When this occurs, an hourly rate may be charged and travel and living costs may also be invoiced to the CBSA.
4.2.	The Offeror may be expected to visit locations across Canada in order to teach personnel how to properly measure users. When this occurs, an hourly rate may be charged and travel and living costs may also be invoiced to the CBSA.
4.3.	The Offeror will be required to attend Recruit fitting secessions (approximately seven (7) per calendar year), along with the CBSA, to ensure that the SBA issued fits properly and meets safety requirements outlined by the CBSA. When this occurs, an hourly rate may be charged and travel and living costs may also be invoiced to the CBSA.
5. CARE, USE, MAINTENANCE INFO INSTRUCTIONS	
	<p>Each SBA System shall come complete with a Care, Use, and Maintenance Information package as shown below.</p> <ul style="list-style-type: none"> • Identification of all SBA components; • Protection afforded by the System; • Proper fitting of the System; • Proper donning and doffing; • Safe use; • Cleaning and maintenance; and • Inspection protocols to maintain the integrity and serviceability of product. <p>Note: The above instructions can take the form of a pamphlet, hang tags or brochure and an electronic version (to be posted on the CBSA website).</p>

6. PACKAGING	
6.1.	<p>A complete SBA System includes one (1) front and one (1) back ballistic panel set and two (2) internal or external carriers.</p> <p>Each SBA System must be clearly marked on the label as well as the plastic bag, with the following information:</p> <ul style="list-style-type: none"> • Applicable size; • Description – item, colour, gender, product code (as specified at the time of order).
6.2.	<p>At a minimum, all individual shipping containers (boxes and/or cartons) shall be clearly marked on the outside with the following information:</p> <ul style="list-style-type: none"> • Client (Ship-to-Party Info); • Quantity per container per item.
6.3.	<p>Each custom Ballistic Personal SBA component(s) delivered must be clearly marked with the officer's name, reference number, the serial number of the Ballistic Back Panel and the serial number of the Ballistic Front Panel on the outside of the plastic bag.</p>
6.4.	<p>The Offeror shall include a packing slip, enclosed in box 1 of the shipment and/or attached to the shipping container, that details order reference number (e.g. notification, purchase order number, delivery order number, officer's name and reference number if it is a custom order, etc.) and contents of the shipment. A copy of the packing slip must be sent to the generic mailbox for the Uniform Program at Uniform-Program-Programme-des-uniformes@cbsa-asfc.gc.ca</p>
6.5.	<p>Any shipments in excess of thirty (30) boxes/cartons must be palletized. Maximum pallet size shall be 48" x 48" x 48".</p>
6.6.	<p>No carton shall exceed the weight of thirty-five (35) pounds (or 15.87 kg.) per carton.</p>
6.7.	<p>For all orders placed, each box/carton shall be packaged so that it does not exceed the maximum allowable weight.</p>
6.8.	<p>Where more than one (1) container is required per shipment for an order, the Offeror shall number each container consecutively to ensure receipt of all containers (i.e. 1 of 2, 2 of 2, etc.)</p>
6.9.	<p>Packaging shall be in accordance with the best commercial standards.</p>
7. MEASUREMENT FORMS	
	<p>The Offeror, in conjunction with the CBSA, shall develop and supply a detailed, user-friendly measurement form, in both printed and electronic versions, upon award of the Standing Offer. All forms, male, female, and custom, must be available in both official languages.</p>

8. ALTERATIONS AND RETURNS	
	<p>The Offeror will be responsible to establish a Returns Plan acceptable to the CBSA for vests that are ill-fitting. The plan must be provided in writing and include provisions for the following:</p> <ul style="list-style-type: none">• A period of time after the initial shipment of vests are received that alteration requests are to be initiated;• Instruction guide on returns/warranties;• Method for indicating and communicating (Return Goods Form) the fitting deficiency from the user to the supplier;• Period of time for the Offeror to address the deficiency and return the product back to the officer. <p>Note: The Offeror is responsible to provide a replacement and alterations if deemed that the errors were made during the production process, based on the measurement charts contained in the specifications. In this case, no additional fees, including shipping charges shall be submitted to the CBSA.</p>
9. WARRANTY	
	<p>The Offeror shall provide a minimum warranty of sixty (60) months for the ballistic panels and eighteen (18) months for the internal and external carriers.</p>
10. CUSTOM REQUIREMENTS	
	<p>The Offeror will be responsible to manufacture female shaped SBA on a custom order basis as required. Other custom order requests may be required for officers who require special fit vest. The Offeror will be responsible to establish a Custom fit plan for orders which may require a mock-up sample (felt sample) produced prior to actual production of SBA. The plan must include provisions for the following:</p> <ul style="list-style-type: none">• Specialty measurement form;• Instruction guide on mock-up samples (felt samples), including communication with end user to ensure a fit;• Analysis of detailed pictures;• Consultation with CBSA prior to production; and• Ensure files are stored properly to preserve the identity of individuals and sensitive materials (client confidentiality). <p>Note: In cases where Custom female shaped SBA are required, no additional fees, including shipping charges shall be submitted to the CBSA. In cases where Custom fits and/or mock-up samples (felt samples) are required, additional fees, including shipping charges may be submitted to the CBSA.</p>

11. MEDICAL NEED REQUIREMENTS	
	<p>The Offeror will be responsible to accommodate officers with medical needs (duty to accommodate cases) for specialty fit vest requirements. The plan must include provisions for the following:</p> <ul style="list-style-type: none">• Instruction guide on medical cases/specialty fit vests;• Specialty measurement form;• Mock-up samples (felt samples) if required;• Request and validate information received;• Analysis of detailed pictures;• Consultation with CBSA prior to production;• Speciality alterations to ensure a fit to meet the medical requirements; and• Ensure files are stored properly to preserve the identity of individuals and sensitive materials (client confidentiality). <p>Note: In cases where medical need requirements and/or mock-up samples (felt samples) are required, additional fees, including shipping charges may be submitted to the CBSA.</p>
12. CANADIAN FACILITY	
	<p>The Offeror must have a Canadian facility responsible for the handling of warranty issues, returns, recalls, repairs, customs clearance, warehousing of SBA and all requirements that ensure that the free flow of goods to and/or from the CBSA.</p>
13. DELIVERY REQUIREMENTS	
	<p>Standard delivery is requested within four (4) to six (6) weeks of receipt of order.</p>
14. DELIVERY (OTHER)	
	<p>Delivery of SBA systems for:</p> <ul style="list-style-type: none">• Medical needs: 10–15 days• Student hires: 10-15 days• Officer Induction Training Program (Recruit intakes): 10 days• Alteration/return requests: 10-15 days

15. DISPOSAL

The CBSA requires disposal of all ballistic panels that have reached the end of their useful life cycle. The Offeror must accept, and dispose of, ballistic panels supplied by the CBSA in accordance with the instructions below:

The Offeror must:

- Destroy the ballistic panels such as rendering them unusable for their intended purpose;
- Ensure that the ballistic panels are destroyed and disposed of in an environment-conscious manner;
- Provide the CBSA with an official certificate and/or letter confirming destruction of all vests received from the CBSA, including a list of serial numbers (front and back);
- Ensure that the ballistic panels in their original state are not resold or given away by the Offeror under any circumstances.

Disposal is required for all ballistic panels manufactured under this Standing Offer and any previous contracts/standing offers made by the CBSA. All payments, fees, charges for inspection, licensing and/or testing or any other matter concerning disposal shall be solely at the Offeror's expense.

Solicitation No. - N° de l'invitation
47419-190603/A
Client Ref. No. - N° de réf. du client
47419-190603

Amd. No. - N° de la modif.
File No. - N° du dossier
pr737.47419-190603

Buyer ID - Id de l'acheteur
pr737

ANNEX "B"
TECHNICAL REQUIREMENT

(refer to technical specification CBSA/ASFC-2018-01-113 dated 25-July-2018).

Solicitation No. - N° de l'invitation
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Buyer ID - Id de l'acheteur
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ANNEX "1" to PART 3 OF THE REQUEST FOR STANDING OFFERS

ELECTRONIC PAYMENT INSTRUMENTS

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

Direct Deposit

ANNEX “2” to PART 5 OF THE REQUEST FOR STANDING OFFERS ETHICAL CONSIDERATIONS FOR PROCUREMENT OF APPAREL CERTIFICATION

The Offeror certifies the following:

1. Child labour

The Offeror and its first-tier subcontractors do not employ child labour, i.e. work done by children who are younger than the minimum age for admission to employment indicated in applicable legislation in the country, and no younger than the age at which compulsory schooling has been set in applicable legislation in the country. In any event, children are protected from economic exploitation and from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral or social development. Employees younger than 18 shall not perform hazardous work, which includes work that may jeopardize their health, safety or morals.

2. Forced labour

The Offeror and its first-tier subcontractors do not use forced labour or compulsory labour in all its forms, including trafficking in persons for the purpose of forced or compulsory labour, namely any work or service that is exacted from any person under the menace of any penalty, and for which that person has not offered himself or herself voluntarily.

3. Abuse and harassment

The Offeror and its first-tier subcontractors treat their employees with dignity and respect. No employees shall be subject to any physical, sexual or verbal harassment, abuse or violence or psychological hazards. Corporal punishment is not used or tolerated in any form.

4. Discrimination

The Offeror and its first-tier subcontractors do not discriminate against their employees in hiring practices or any other term or condition of work (other than legitimate occupational requirements allowed by law) on the basis of race, national or ethnic origin, colour, religion, age, sex, sexual orientation, gender identity or expression, marital status, family status, genetic characteristics, disability or conviction of any offence for which a pardon has been granted or in respect of which a record of suspension has been ordered.

5. Freedom of association and collective bargaining

Where provided for by law, the Offeror and its first-tier subcontractors shall recognize and respect the right of employees to freely associate, organize and bargain collectively with their employer. No employee or worker representative shall be subject to discrimination, harassment, intimidation or retaliation as a result of his or her efforts to freely associate, organize or bargain collectively. Where the right to freedom of association is restricted under law, the Offeror and its first-tier subcontractors must provide workers alternative means of association, including effective means to express and remedy workplace grievances.

ANNEX “2” to PART 5 OF THE REQUEST FOR STANDING OFFERS ETHICAL CONSIDERATIONS FOR PROCUREMENT OF APPAREL CERTIFICATION

6. Occupational safety and health

The Offeror and its first-tier subcontractors provide workers with a safe and healthy work environment and, at minimum, comply with local and national health and safety laws. If residential facilities are provided to workers, they are safe and healthy.

7. Fair wages

The Offeror and its first-tier subcontractors provide wages and benefits which comply with all applicable laws and regulations and which match or exceed the local prevailing wages and benefits in the relevant industry or which constitute a living wage, whichever provides greater wages and benefits. Where compensation does not provide a living wage, the Offeror and its first-tier subcontractors shall ensure that real wages are increased annually to continuously close the gap with living wage.

8. Hours of work

Except in extraordinary circumstances, the Offeror's and its first-tier subcontractors' employees are not required to work more than the lesser of (a) 48 hours per week and 12 hours overtime per week, or (b) the limits on regular and overtime hours allowed by the law of the country of manufacture.



Canada Border
Services Agency

Agence des services
frontaliers du Canada



Soft Body Armour System, Male & Female Specification

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File no. CBSA/ASFC-2018-01-113
Date of issue: 2018-07-25

PROTECTION • SERVICE • INTEGRITY



SPECIFICATION

SOFT BODY ARMOUR SYSTEM

1. SCOPE

This specification describes the requirement for the materials, design, construction and inspection of a soft body armour (SBA) system for use by designated male and female personnel within the Canada Border Services Agency (CBSA). This system will consist of a front and back ballistic panel set, along with an internal carrier and/or an external carriers.

2. GENERAL REQUIREMENTS

- 2.1. **DESIGN** - Four (4) models of soft body armour (SBA) panels; standard size, gender neutral male with a flat panel design; standard size gender neutral female flat panel design; custom order gender neutral male; custom order gender neutral female; and a custom order female shape panel. All SBA panels must be certified to the ballistic requirements of NIJ 101.06 Type II, with certification in size ranges from C1-C5. In all styles, both front and back ballistic panels must be encapsulated in a water-proof pouch and must have the ability to be easily wiped clean. Three (3) models of carriers; Model 1 - dark blue external carrier; Model 2 - dark blue internal carrier; and Model 3 - white internal carrier. The ballistic panels must be housed in either an external or internal style carriers shaped to retain the ballistic panels securely in place. Internal carriers sized to fit the issued ballistic panels will be ordered when required. When sitting the soft body armour system panels must not touch/interfere with the duty belt and shall maintain a minimum of 2.5cm (1") overlap on each side seam at the waist. A system consists of two (2) ballistic panels (front and back) and two carriers.
- 2.2. All articles or materials covered by this specification must be free from imperfections or blemishes such as may affect its appearance or serviceability.
- 2.3. In the event of any inconsistency in the contract documents, specification, drawings, or sealed sample, the aforementioned must prevail in the following order:
 - I) Contract
 - II) Specification
 - III) Drawings
 - IV) Sealed Sample

3. APPLICABLE SPECIFICATIONS

- 3.1. Canadian General Standards Board, CAN/CGSB 4.2 Textile Test Methods.
- 3.2. Canadian General Standards Board, CAN/CGSB-4.131-93, Thread, Polyester, Polyester or Cotton Covered.
- 3.3. Canadian General Standards Board, CAN/CGSB 4.GP85MA, Thread, Nylon, Continuous Multifilament.
- 3.4. National Institute of Justice, NIJ STANDARD 0101.06.
- 3.5. ASTM International, ASTM D1777-96(2015) Standard Test Method for Thickness of Textile Materials.
- 3.6. ASTM International, ASTM D3776-96(2016) Standard Test Methods for Mass Per Unit Area (Weight) of Fabric.
- 3.7. ISO 4915, International Standard for Textiles - "Stitch Types."
- 3.8. ISO 4916, International Standard for Textiles - "Seam Types."

4. DESCRIPTION - BALLISTIC PANELS

SIZES

- GENDER NEUTRAL MALE (Flat panel), Standard Size
- GENDER NEUTRAL FEMALE (Flat panel), Standard Size
- GENDER NEUTRAL MALE OR FEMALE (Flat panel), Custom Size
- FEMALE SHAPED, Custom Size

Gender Neutral, Male (Flat panel) - Standard size ballistic panels, meeting the NIJ 0101.06 Standard, Size Range C1-C5, must be produced to the dimensions specified in the attached Scales of Measurements. Panels are to be available in standard chest sizes from 34-50; heights ranges from extra short, short, regular, tall, and extra tall. Officers who do not fit into the standard sizes and height ranges may require a Gender Neutral Male Custom Size.

Gender Neutral Female (Flat panel) - Standard size ballistic panels, meeting the NIJ 0101.06 Standard, Size Range C1-C5, must be produced to the dimensions specified in the attached Scales of Measurements. Panels are to be produced to industry standard bra cup sizes (ie. 36B; 36C; 36D; 36DD, 36DD) with chest sizes ranging from 30-48; cup sizes from B-DD; and heights ranges from extra short, short, regular, tall, and extra tall. Officers who do not fit into one of these combinations of sizes and height ranges may require a Gender Neutral Female (Flat panel) in a Custom Size or Female Shaped vest.

Gender Neutral Male or Gender Neutral Female (Flat panel) Custom Size - Custom size vests ordered when an officer does not fit adequately into Gender Neutral Male or Gender Neutral Female Standard vest. They will be custom manufactured to the measurements of the Male/Female officer while still adhering to NIJ 0101.06 Standard, size range C1-C5. The Vendor will be responsible to develop the appropriate size and shape based upon the measurements of the individual. The area of coverage must be similar to that of a Gender Neutral (Flat panel) Standard Size vest.

Female Shaped Custom Size - All female shaped vests will be produced in custom sizes and ordered when an officer does not fit adequately into a Gender Neutral Female (Flat panel) vest. They will be custom manufactured to the measurements of the female officer while still adhering to NIJ 0101.06 Standard, size range C1-C5. It will be the Vendors responsibility to develop the appropriate size and shape based upon the measurements of the individual. The female front panels must be designed to produce the required cup size and to give adequate lateral bust coverage. Panel shapes may vary in order to produce the correct cup size. The area of coverage must be similar to that of a Gender Neutral Female Standard Size vest with consideration to the female form and shape.

5. BALLISTIC PANELS

- 5.1. **DESIGN** - Each set of ballistic panels will consist of one (1) front and one (1) back panel. Each panel must be comprised of its ballistic element encapsulated within a water-proof fabric covering. The covering must be hermetically sealed with each panel having a label meeting the labeling requirements outlined in the NIJ 0101.06 Standard. The label must be permanently affixed to the body side of the panel. Ballistic panels must be contoured to provide full coverage, which provides front, back, and side protection under the arms and above the waist. A minimum of 2.5cm (1" inch) of overlap of the ballistic panels is required to be maintained on the waist after the panels have been inserted into their corresponding carrier.
- 5.2. **BALLISTIC PERFORMANCE REQUIREMENTS** - Ballistic panels must be certified to Threat Level II and size range C1-C5 in accordance with the current NIJ 0101.06 Standard and any applicable addenda. **Separate NIJ 0101.06 Certification Letter and Test Report Required for both Gender Neutral and Female Ballistics must be provided.**

Note: Third party independent NIJ approved laboratory testing required. Models on the NIJ Advisory Notices cannot be used.

- 5.3. **BALLISTIC CLOTH** - All materials used within the ballistic panels must be new, unused and without flaws that affect appearance, durability, function and must meet the requirements of NIJ 0101.06 Standard. **Products identified on the NIJ Advisory Notices will not be accepted.**

- 5.3.1. **AREAL DENSITY** - The areal density of the ballistic panel lay-up in accordance with ASTM D 3776-96 is as follows:
- Gender Neutral Male & Female (Flat Panel): Maximum of .83 lbs/ft² (4.05 kg/m²)
 - Female Shaped: Maximum of .83 lbs/ft² (4.05 kg/m²)
- 5.3.2. **THICKNESS** - The maximum thickness when measured in accordance with ASTM D1777-96(2015) of the ballistic panels is as follows:
- Gender Neutral Male and Female (Flat panel): Maximum of 0.21" (5.4 mm)
 - Female Shaped: Maximum of 0.21" (5.4 mm) excluding areas with stitching and seams to provide shape for the female front.
- 5.3.3. **BACK FACE SIGNATURE (BFS)** - The back face signature must be tested in accordance with the NIJ 0101.06 - Ballistic Resistance of Personal Body Armour including the NIJ Standard 0101.06 and any applicable addenda.
- 5.3.4. **BASELINE BALLISTIC LIMIT** - V₅₀ performance information must be provided for each test round in accordance with NIJ 0101.06 Standard.
- 5.4. **BALLISTIC PANEL COVERING** - The covering assembly must be hermetically sealed to ensure protection of the ballistic panels from ultra-violet light, water, and perspiration. The covering assembly including label must be finished in such a way that no moisture can be transferred to the ballistic elements. The completed panel covering must be 3/8 inch (1cm) ± 1/8" larger throughout than the ballistic materials with no less than 1/4 inch (.63cm) seam allowance.
- 5.5. **Hook & Loop Tape** - Black, woven nylon with a high life cycle. The combined hook and loop must have no less than 8 P.S.I length-wise shear strength (ASTM5169). The initial peel strength must not be less than 0.75 P.I.W when tested to (ASTM5169) and after 1000 cycles must not be less than .5 P.I.W. It must have adhesive backing, suitable for creating a permanent bond after heat-sealing or thermo welding.
- 5.6. **PANEL SUSPENSION** - Each ballistic panel must incorporate a suspension assembly used for attaching the ballistic panels to their corresponding carriers.

- 5.7. **LABEL (BALLISTIC PANELS)** - Ballistic panel labels are to be in accordance with NIJ Standard-0101.06 and will included the NIJ Certification Mark.



- 5.8. **TESTING LABS** - All certification testing must be performed by an independent laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement Technology Center (NLETC) for testing in accordance with the NIJ 0101.06 Standard for Bullet Resistant Body Armour.

6. EXTERNAL CARRIERS

6.1. Materials:

- 6.1.1. **CBSA Approved Material Colour** - Pantone TCX19-3924 Night Sky.
- 6.1.2. **Shell Material** - 330 denier nylon, 5-6oz (0.75 coating) urethane coated, meeting Pantone Night Sky, with a durable water repellent (DWR) finish.
- 6.1.3. **Lining Material** - Black Mesh, 100% polyester, 3.72-4.11oz/sq. yd., with an Anti-microbial and Anti-wicking finish.
- 6.1.4. **Hook & Loop Tape** - Black, woven nylon with a high life cycle. The combined hook and loop must have no less than 8 P.S.I length-wise shear strength. The initial peel strength must not be less than 1 P.I.W when tested to (ASTM5169) and after 1000 cycles must not be less than .5 P.I.W.
- 6.1.5. **Slide Fastener (Chest pocket)** - Black, closed end, size 3 coil type slide fastener, with a semi-automatic locking slider. Lengths: left pocket 5"; right pocket graded as required finishing no less than 3½".
- 6.1.6. **Seam, Stitching, Reinforce Stitching Thread** - Black, 100% bonded nylon Tex 45, Type II, Class A, meeting CAN/CGSB 4.GP85MA.

- 6.1.7. **Elastic (Side closure)** - Heavy duty nylon elastic, black in colour, equivalent to the sealed sample. Width and length of elastic must be a factor of the grading to ensure proper closure and maintain a 2.5cm (1") waist overlap on the front and back panels.
- Knitted 10cm (4") 130±10% stretch and recovery
 - Woven 12.5cm (5") 120% ± 15% stretch and recovery
 - Woven 15.25cm (6") 130% ± 10% stretch and recovery
 - Woven 20.25cm (8") 130% ± 10% stretch and recovery
- 6.1.8. **Elastic (Removable Cummerbund)** - Heavy duty woven nylon elastic, black in colour, with a maximum shrinkage of 10% (AATCC TM 135-1995 at 50°C), equivalent to the sealed sample. The length of the elastic must be a factor of the grading to ensure proper closure and maintain a 2.5cm (1") waist overlap on the front and back panels.
- Woven 5cm (2") 80±10% stretch and recovery
 - Knitted 10cm (4") 130±10% stretch and recovery
- 6.1.9. **Webbing (Microphone loops, Suspenders)** - Commercially available nylon webbing, luggage quality, 2.5cm (1") wide, black in colour, equivalent to the sealed sample.
- 6.1.10. **Locking D-ring** - ITW NEXUS Locking D-Ring, black in colour, 35I-GRIMLOC-BLK or equivalent. (Available from Hudson Supplies Inc. 2940 Halpern Street, Saint-Laurent, QC, H4S1R2, Canada)

6.2. **Design:**

The external carriers must be designed to fit three (3) shapes; GENDER NEUTRAL, MALE (Flat Panel); GENDER NEUTRAL, FEMALE (Flat Panel); and a FEMALE SHAPE, CUSTOM. They must be shaped and dimensioned as per the drawings. Additional features include a removable cummerbund, and locking d-rings as shown in the drawings.

6.2.1. **Front:**

The front of the carrier, dimensioned to fit the accompanying ballistic panels must conform to the requirements outlined in drawing 3, and the sealed sample.

As identified in drawing 3, the outside front of the carrier as well as the lower portion of the inside front must be constructed from shell material specified in paragraph 6.1.2. The upper portion of the inside front of the carrier must be lined with mesh material as specified in paragraph 6.1.3. The lower side of the carrier must come complete with a side flap made from two layers of shell material. The inside portion of the side flaps along with the side front of the body of the carrier, must incorporate 10cm (4") wide pieces of loop tape as specified in paragraph 6.1.4 with lengths equivalent to that of the elastic side straps as per the drawing and the sealed sample.

All styles of external carriers must incorporate two (2) double welt, zippered

pockets located on wearer's upper chest as shown in the drawings. The slide fastener as specified in paragraph 6.1.5 must be applied so that when the pocket is closed that the slider head is closest to the center front as identified in the drawings. The upper left and right shoulders must contain a 10cm long x 12.5cm (4" long x 5") wide flap made from shell material. The loose end of the flap must incorporate with a 10cm long x 5cm (4" long x 2¼") wide piece of hook tape with the corresponding piece of loop tape as specified in paragraph 6.1.4 sewn securely through the shell as shown in the drawing 3.

Microphone loops created from 5.5cm long x 2.5cm (2¼" long x 1") wide pieces of webbing with heat-cut edges must be attached to the outer facing portions of the flaps on the upper right and left shoulders and bar-tacked securely in place as shown in drawing 3.

A strip of loop tape, as specified in paragraph 6.1.4, 8.5cm long x 2.5cm (3⅜" long x 1") wide must be sewn, centered 1cm (⅜") above the right chest pocket to be used for the attachment of the officers name tag.

A 12.5cm long x 5cm (5" long x 2") wide strip of loop tape as specified in paragraph 6.1.4, must be sewn, centered 1cm (⅜") below the right chest pocket to be used for the attachment of the agency identifier.

The inside of the front panel must have a strip of hook and loop tape as specified in paragraph 6.1.4, to allow for the insertion of ballistic panels. A label must be sewn to the inside of the ballistic panel opening.

6.2.2. **Back:**

The back of the carrier dimensioned to fit the accompanying ballistic panels must conform to the requirements outlined in drawing 4, and the sealed sample.

As identified in drawing 4, the outside back of the carrier as well as the lower portion of the inside front must be constructed from shell material specified in paragraph 6.1.2. The upper portion of the inside back of the carrier must be lined with mesh material as specified in paragraph 6.1.3. The lower sides of the carrier must come complete with hook and loop secured flaps made from shell material shaped and dimensioned as per the drawing and the sealed sample.

The inside of the upper left and right shoulders must contain a 7.5cm long x 5 cm wide piece of hook tape, with the outside of the shoulders containing a 10cm long x 5cm (4" x 2") wide piece of loop tape used for the attachment of the back to the front of the carrier, as shown in the drawing 4.

Centered in the middle of the back of the external carrier must be a 23cm long x 7.5cm (9" long x 3") piece of loop tape to be used for the attachment of the agency identifier as shown in the drawings.

The inside of the back panel must have a strip of hook and loop tape to allow

for the insertion of ballistic panels. A label must be sewn to the inside of the ballistic panel opening.

6.2.3. **Sides:**

The carrier sides must be secured with removable horizontal elastic side straps, sized and dimensioned as per the drawing 5 and the sealed sample. The elastic straps must be made from a **double layer** of elastic specified in paragraph 6.1.8 with both front and back sides finished with hook tape as specified in paragraph 6.4. The sides of the carrier, and the loop secured flaps must be shaped and dimensioned as per the sealed sample.

Additional design features when requested.

6.2.4. **Removable Cummerbund (optional):**

Made from elastic specified in paragraph 6.1.9 and 5cm (2") wide hook and loop tape as specified in paragraph 6.1.4. The finished cummerbund must be sized to ensure a snug fit around the wearer's midriff and must be shaped and dimensioned as per drawing 4 and the sealed sample.

6.2.5. **Locking D-Rings (optional):**

Meeting the requirements of para. 6.1.10, the locking D-rings must be attached to the microphone loop.

7. **Stitching** - All seams must be stitched using a Type 301 (lock stitch) or Type 401 (chain stitch) where applicable unless otherwise specified. There must be not less than three or no more than four stitches per centimeter with the beginning and ending of all seams securely backstitched. The stitches must be regular and even, free from skipped stitches or other stitching malfunctions that may result from poor machine tension. Loose threads must be cut off and removed. Ball point needles must be used for any stitching through elastic components.

8. **INTERNAL CARRIERS**

8.1. **Materials:**

8.1.1. **Shell Material** - Specified in Table I attached. Internal carriers must be navy or white in colour, as specified with each order.

8.1.2. **Loop Tape** - As per drawing, black or white matching the shell material colour, woven nylon with a high life cycle. The combined hook and loop must have no less than 8 P.S.I length-wise shear strength. The initial peel strength must not be less than 1 P.I.W and after 1000 cycles must not be less than .5 P.I.W. with a minimum lengthwise shear of 4 P.S.I.

- 8.1.3. **Hook tape (Adjustable Straps)** - Black, woven nylon with a high life cycle. The combined hook and loop must have no less than 8 P.S.I length-wise shear strength (ASTM5169). The initial peel strength must have an average value of 0.75 P.I.W with a minimum lengthwise shear of 4 P.S.I.
- 8.1.4. **Elastic** - Heavy duty woven nylon elastic, 5cm (2") wide, black in colour, non-roll, with a maximum shrinkage of 10% (AATCC TM 135-1995 at 50°C), 80% ± 15% stretch by hand, as per the sealed sample.
- 8.1.5. **Seam & Stitching Thread** - Polyester core, polyester wrap, Class B, Tex40, Type 1 Soft of matching colour, meeting CAN/CGSB 4.131-93.

8.2. **Design:**

Two (2) colour options, white & dark navy blue, designed to fit the three shapes. All styles must be shaped and dimensioned as per the drawings and sealed sample. All Internal Carriers are designed to be close fitting in order to be worn under a uniform shirt. The internal carrier must have a total of six elasticized hook and loop removable adjustment straps, one on each shoulder, and two straps securing each side seam at the waist with a minimum of 2.5cm (1") overlap.

Both front and back panels of the internal carrier must be made from a combination of shell material as specified in Para 7.3.1 and loop tape specified in Para 7.3.2. The outside face of the front and back panels must have strips of hook and loop on the lower inside to allow for the insertion of ballistic panels. All internal carriers must have integral front and back shirttails made from a single layer of material. The front shirttail must have a portion cutout to allow for the use of a trouser fly without interference. A label must be sewn to the inside of the ballistic panel opening.

A total of six (6) removable adjustment straps made from a single layer of elastic as per paragraph 7.3.4, with two (2) diecut pieces of hook tape as per paragraph 7.3.3, sewn securely to each end.

- 8.3. **Stitching** - Sewing must be lock or lock chain stitch unless otherwise specified. There must be not less than three or no more than four stitches per centimeter with the beginning and ending of all seams securely backstitched. The stitches must be regular and even, free from skipped stitches or other stitching malfunctions that may result from poor machine tension. Loose threads must be cut off and removed. Ball point needles must be used for any stitching through elastic components. All seams must be stitched using a Type 301 (lock stitch) with Type 504 (serge) or alternately Type 516 (seam and serge). Hems must be stitched using a Type 301 (lock stitch).

8.4. **Marking/Labelling** - Both front and back external and internal carriers must have labels sewn into the ballistic panel opening as identified in the drawing. The text on all labels must be of permanent inks of a contrasting colour which must remain visible for the lifecycle of this product (minimum two (2) years). The labels must contain the following information in both French and English: All labeling must be in a bilingual format.

- **Manufacturers identification**
- **Care & Maintenance Instructions**
- **Date of Manufacturer**
- **Size**
- **Name & Dimensions (All custom orders)**
- **Warning** - Instructing the wearer to remove the ballistic panels prior to laundering
- **Warning** - Informing the wearer that the carrier provides no ballistic protection.

8.5. **RESPONSIBILITY FOR INSPECTION**

Unless otherwise stipulated in the contract, the prime contractor must be responsible for the performance of all inspections and testing for compliance with this specification. It is the vendor's responsibility to satisfy CBSA that the product being supplied conforms to this specification.

The CBSA Technical Authority reserves the right to perform any inspection considered necessary to ensure the material and services conform to the specified requirements. For the purpose of inspection, a portion of each delivery not exceeding two percent or two out of any number delivered fewer than 100 may be put to tests that could destroy the articles. If found to be inferior or not in accordance with this specification, all articles so destroyed must be replaced by others of proper quality at the expense of the contractor. The entire delivery may also be rejected if it is found that articles previously rejected due to non-repairable defects are redelivered for inspection.

The contractor will be promptly notified when any articles are not accepted and such articles will be returned at the contractor's risk and expense.

TABLE I
INTERNAL CARRIER SHELL MATERIAL REQUIREMENTS

TEST	REQUIREMENTS	TEST METHOD
Colour	White or Dark Navy Blue	
Material	65% Polyester 35% Cotton	
Weave	Plain	
Mass	170 gm/ ² ± 5%	CAN/CGSB-4.2 Method 5.1-M90
Width (minimum)	160cm between selvedge	CAN/CGSB-4.2 Method 4.1-M87
Woven Fabrics - Construction (per cm)	Warp (ends) - 42 ± 2 Weft (picks) - 22 ± 2	CAN/CGSB-4.2 Method 6-M89 Method C
Dimensional Change In Domestic Laundering	Length - 2.5% max Width - 2% max	CAN/CGSB-4.2 No.58 1 cycle, Procedure 1 E 3
Breaking Strength (Tensile)	Warp - 600 N ±10% Weft - 250 N ±10%	CAN/CGSB-4.2 Method 9.2-M90
Tearing Strength (Newtons)	Warp - 18 N ±10% Weft - 14 N ±10%	CAN/CGSB-4.2 Method 12.1-M90
Resistance to Pilling - Random Tumble Pilling Tester	90 min - 4 120 min - 4	CAN/CGSB-4.2 Method 51.2-M87
Antimicrobial Treatment (Kill rate)	99% within 24 hrs	AATCC 100-2004
Absorbency of Textiles	<8 seconds	AATCC Method 79-2007
Abrasion Resistance	5000 cycles - 3	ASTM D4966-98
Color Fastness:		
To Artificial Light - Xenon Arc Fading Lamp Test	Equal to or better than AATCC Standard L3	CAN/CGSB-4.2 Method 18.3-97
Colourfastness to Crocking Wet: Dry:	Wet & Dry Staining: Grey scale 3 or better	CAN/CGSB-4.2 Method 22-2004
To Perspiration - Acid and Alkaline Colour Change & Staining Cotton & Polyester	Colour Change -Grey Scale 3 min Staining - Grey Scale 3 min.	CAN/CGSB-4.2 Method 23-M90
Colourfastness to Washing Colour Change & Staining Polyester & Cotton	Colour Change -Grey Scale 3 min Staining - Grey Scale 3 min.	CAN/CGSB-4.2 Method 19.1-M90 Test 2

Note: For information purposes, Bounty Set US, Finishing code: SD37S (H2-OUT & FRESH3) available from Doubletex, Quebec is known to meet this requirement.

**STANDARD SIZES - GENDER NEUTRAL, MALE (Flat Panel)
SCALES OF MEASUREMENTS - XShort & Short**

CHEST SIZE	CHEST WIDTH		FRONT STERNUM LENGTH		FRONT SIDE HEIGHT		FRONT WAIST		BACK LENGTH		BACK SIDE HEIGHT		BACK WAIST		TOTAL WAIST CIRC.	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
34	8 1/4	21	9 1/4	23.4	2 7/8	7.3	16	40.6	12 1/2	31.7	2 7/8	7.3	16	40.6	32	81.3
36	9	22.9	9 3/4	24.8	3 1/4	8.2	17	43.2	13	33	3 1/4	8.2	17	43.2	34	86.4
38	9 3/4	24.8	10 1/4	26	3 7/8	9.8	18	45.7	13 1/2	34.3	3 7/8	9.8	18	45.7	36	91.4
40	10 1/2	26.7	10 3/4	27.3	4 1/4	10.8	19	48.3	14	35.6	4 1/4	10.8	19	48.3	38	96.5
42	11 1/4	28.6	11 1/4	28.6	4 7/8	12.4	20	50.8	14 1/2	36.8	4 7/8	12.4	20	50.8	40	101.6
44	12	30.5	11 3/4	29.8	5 1/4	13.3	21	53.3	15	38.1	5 1/4	13.3	21	53.3	42	106.7
46	12 3/4	32.5	12 1/4	31.1	5 7/8	14.9	22	55.9	15 1/2	39.4	5 7/8	14.9	22	55.9	44	111.8
48	13 1/2	34.3	12 3/4	32.4	6 1/4	15.9	23	58.4	16	40.6	6 1/4	15.9	23	58.4	46	116.8
50	14 1/4	36.3	13 1/4	33.7	6 7/8	17.5	24	61	16 1/2	41.9	6 7/8	17.5	24	61	48	121.9
	A		B		C		D		E		F		G			

CHEST SIZE	CHEST WIDTH		FRONT STERNUM LENGTH		FRONT SIDE HEIGHT		FRONT WAIST		BACK LENGTH		BACK SIDE HEIGHT		BACK WAIST		TOTAL WAIST CIRC.	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
34	8 1/4	21	10 1/4	26	3 7/8	9.8	16	40.6	13 1/2	34.3	3 7/8	9.8	16	40.6	32	81.3
36	9	22.9	10 3/4	27.3	4 1/4	10.8	17	43.2	14	35.6	4 1/4	10.8	17	43.2	34	86.4
38	9 3/4	24.8	11 1/4	28.6	4 7/8	12.4	18	45.7	14 1/2	36.8	4 7/8	12.4	18	45.7	36	91.4
40	10 1/2	26.7	11 3/4	29.8	5 1/4	13.3	19	48.3	15	38.1	5 1/4	13.3	19	48.3	38	96.5
42	11 1/4	28.6	12 1/4	31.1	5 7/8	14.9	20	50.8	15 1/2	39.4	5 7/8	14.9	20	50.8	40	101.6
44	12	30.5	12 3/4	32.4	6 1/4	15.9	21	53.3	16	40.6	6 1/4	15.9	21	53.3	42	106.7
46	12 3/4	32.5	13 1/4	33.7	6 7/8	17.5	22	55.9	16 1/2	41.9	6 7/8	17.5	22	55.9	44	111.8
48	13 1/2	34.3	13 3/4	34.9	7 1/4	18.4	23	58.4	17	43.2	7 1/4	18.4	23	58.4	46	116.8
50	14 1/4	36.3	14 1/4	36.2	7 7/8	20	24	61	17 1/2	44.5	7 7/8	20	24	61	48	121.9
	A		B		C		D		E		F		G			

**STANDARD SIZES - GENDER NEUTRAL, MALE (Flat Panel)
SCALES OF MEASUREMENTS - Regular**

CHEST SIZE	CHEST WIDTH		FRONT STERNUM LENGTH		FRONT SIDE HEIGHT		FRONT WAIST		BACK LENGTH		BACK SIDE HEIGHT		BACK WAIST		TOTAL WAIST CIRC.	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
34	8 1/4	21	11 1/4	28.6	4 7/8	12.4	16	40.6	14 1/2	36.8	4 7/8	12.4	16	40.6	32	81.3
36	9	22.9	11 3/4	29.8	5 1/4	13.3	17	43.2	15	38.1	5 1/4	13.3	17	43.2	34	86.4
38	9 3/4	24.8	12 1/4	31.1	5 7/8	14.9	18	45.7	15 1/2	39.4	5 7/8	14.9	18	45.7	36	91.4
40	10 1/2	26.7	12 3/4	32.4	6 1/4	15.9	19	48.3	16	40.6	6 1/4	15.9	19	48.3	38	96.5
42	11 1/4	28.6	13 1/4	33.7	6 7/8	17.5	20	50.8	16 1/2	41.9	6 7/8	17.5	20	50.8	40	101.6
44	12	30.5	13 3/4	34.9	7 1/4	18.4	21	53.3	17	43.2	7 1/4	18.4	21	53.3	42	106.7
46	12 3/4	32.5	14 1/4	36.2	7 7/8	20	22	55.9	17 1/2	44.5	7 7/8	20	22	55.9	44	111.8
48	13 1/2	34.3	14 3/4	37.5	8 1/4	21	23	58.4	18	45.7	8 1/4	21	23	58.4	46	116.8
50	14 1/4	36.3	15 1/4	38.7	8 7/8	22.5	24	61	18 1/2	47	8 7/8	22.5	24	61	48	121.9
	A		B		C		D		E		F		G			

STANDARD SIZES - GENDER NEUTRAL, FEMALE (Flat Panel) SCALES OF MEASUREMENTS - B & C CUPS

CHEST SIZE	X-SHORT						SHORT						REG						TALL						X-TALL							
	FR LENGTH		BK LENGTH		WAIST CIRC.		FR LENGTH		BK LENGTH																							
	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES		
30	71.1	9.5	24.1	11.75	29.8	26.7	10.5	26.7	12.75	32.4	11.5	29.2	13.75	34.9	12.5	31.8	14.75	37.5	13.5	34.3	12.5	31.8	14.75	37.5	13.5	34.3	12.5	31.8	14.75	37.5	13.5	34.3
32	76.2	9.75	24.8	12	30.5	27.3	10.75	27.3	13	33	11.75	29.8	14	35.6	12.75	32.4	15	38.1	13.75	34.9	13	33	12.75	32.4	14	35.6	13.75	34.9	14	35.6	16	40.6
34	81.3	10	25.4	12.25	31.1	27.9	11	27.9	13.25	33.7	12	30.5	14.25	36.2	13	33	15.25	38.7	14	35.6	13	33	12.75	32.4	14	35.6	15.25	38.7	17	43.1	16	40.6
36	86.4	10.25	26	12.5	31.8	28.6	11.25	28.6	13.5	34.3	12.25	31.1	14.5	36.8	13.25	33.7	14.5	36.8	14.5	36.8	13.25	33.7	14.5	36.8	14.25	36.2	15.5	39.4	16.5	41.9	17.25	43.8
38	91.4	10.5	26.7	12.75	32.4	29.2	11.5	29.2	13.75	34.9	12.5	31.8	14.75	37.5	13.5	34.3	15.75	40	14.5	36.8	14.5	36.8	14.25	36.2	15.5	39.4	16.5	41.9	17.5	44.5	18	45.7
40	96.5	10.75	27.3	13	33	29.8	11.75	29.8	14	35.6	12.75	32.4	15	38.1	13.75	34.9	16	40.6	14.5	36.8	14.5	36.8	14.25	36.2	15.5	39.4	16.5	41.9	17.5	44.5	18	45.7
42	101.6	11	27.9	13.25	33.7	12	30.5	30.5	14.25	36.2	13	33	15.25	38.7	14	35.6	16.25	41.3	15	38.1	14	35.6	16.25	41.3	15	38.1	14.75	37.5	17	43.1	18	45.7
44	106.7	11.25	28.6	13.5	34.3	12.25	31.1	13.25	33.7	12	30.5	14.25	36.2	13	33	15.25	38.7	14	35.6	16.25	41.3	15	38.1	14.75	37.5	16.5	41.9	17.5	44.5	18	45.7	
46	111.8	11.5	29.2	13.75	34.9	12.5	31.8	13.5	34.3	14.75	37.5	13.5	34.3	15.75	40	14.5	36.8	16.75	42.5	15.5	39.4	14.5	36.8	14.75	37.5	16.5	41.9	17.5	44.5	18	45.7	
48	116.8	11.75	29.8	14	35.6	12.75	32.4	13.75	34.9	16	40.6	14.75	37.5	17	43.1	15.75	40	18	45.7	15.75	40	18	45.7	15.75	40	18	45.7	15.75	40	18	45.7	

B CUP

CHEST SIZE	X-SHORT						SHORT						REG						TALL						X-TALL								
	FR LENGTH		BK LENGTH		WAIST CIRC.		FR LENGTH		BK LENGTH																								
	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES			
30	71.1	10	25.4	11.75	29.8	27.9	11	27.9	12.75	32.4	12	30.5	13.75	34.9	13	33	14.75	37.5	14	35.6	13	33	12.75	32.4	14	35.6	15.25	38.7	17	43.1	18	45.7	
32	76.2	10.25	26	12	30.5	28.6	11.25	28.6	13	33	12.25	31.1	14	35.6	13.25	33.7	15	38.1	14.25	36.2	13.25	33.7	14.25	36.2	15	38.1	14.25	36.2	16	40.6	17.25	43.8	
34	81.3	10.5	26.7	12.25	31.1	29.2	11.5	29.2	13.25	33.7	12.5	31.8	14.25	36.2	13.5	34.3	15.25	38.7	14.5	36.8	13.5	34.3	13.5	34.3	14.5	36.8	15.25	38.7	17	43.1	18	45.7	
36	86.4	10.75	27.3	12.5	31.8	29.8	11.75	29.8	13.5	34.3	12.25	31.1	14.5	36.8	13.25	33.7	14.5	36.8	14.5	36.8	13.25	33.7	14.5	36.8	14.75	37.5	15.5	39.4	16.5	41.9	17.5	44.5	
38	91.4	11	27.9	12.75	32.4	30.5	12	30.5	13.75	34.9	13	33	14.75	37.5	14	35.6	15.75	40	15	38.1	14	35.6	15.75	40	15	38.1	14.75	37.5	16.5	41.9	17.5	44.5	
40	96.5	11.25	28.6	13	33	12.25	31.1	13.25	33.7	12	30.5	14.25	36.2	13	33	15.25	38.7	14	35.6	16.25	41.3	14.25	36.2	15	38.1	14.25	36.2	16	40.6	17	43.1	18	45.7
42	101.6	11.5	29.2	13.25	33.7	12.5	31.8	13.5	34.3	14.75	37.5	13.5	34.3	15.75	40	14.5	36.8	16.75	42.5	15.5	39.4	14.5	36.8	14.5	36.8	15.5	39.4	16.5	41.9	17.5	44.5		
44	106.7	11.75	29.8	13.5	34.3	12.75	32.4	14.5	36.8	13.75	34.9	14	35.6	15.75	40	15	38.1	16.75	42.5	15.5	39.4	14.75	37.5	16.5	41.9	17.5	44.5	18	45.7	18	45.7		
46	111.8	12	30.5	13.75	34.9	13	33	14.75	37.5	14	35.6	15.75	40	16	40.6	16.75	42.5	17	43.1	16.75	42.5	15	38.1	16.75	42.5	16	40.6	17.5	44.5	18	45.7		
48	116.8	12.25	31.1	14	35.6	13.25	33.7	15	38.1	14.25	36.2	16	40.6	17	43.1	15.25	38.7	17	43.1	16.25	41.3	15.25	38.7	17	43.1	16.25	41.3	18	45.7	18	45.7		

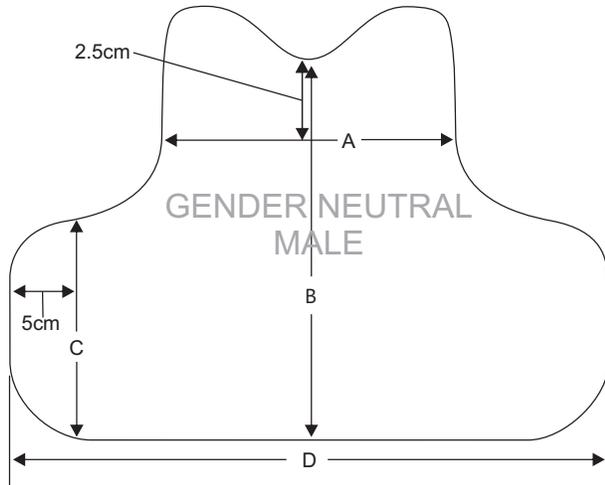
C CUP

**STANDARD SIZES - GENDER NEUTRAL, FEMALE (Flat Panel)
SCALES OF MEASUREMENTS - D CUP**

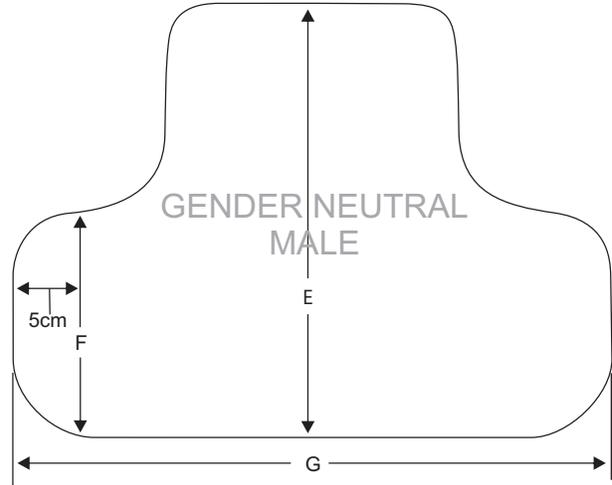
CHEST SIZE	X-SHORT				SHORT				REG				TALL				X-TALL			
	FR LENGTH		BK LENGTH		FR LENGTH		BK LENGTH		FR LENGTH		BK LENGTH		FR LENGTH		BK LENGTH		FR LENGTH		BK LENGTH	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
30	28	71.1	10.5	26.7	11.75	29.8	11.5	29.2	12.75	32.4	12.5	31.8	13.75	34.9	13.5	34.3	14.5	36.8	15.75	40
32	30	76.2	10.75	27.3	12	30.5	11.75	29.8	13	33	12.75	32.4	14	35.6	13.75	34.9	15	37.5	16	40.6
34	32	81.3	11	27.9	12.25	31.1	12	30.5	13.25	33.7	13	33	14.25	36.2	14	35.6	15	38.1	16.25	41.3
36	34	86.4	11.25	28.6	12.5	31.8	12.25	31.1	13.5	34.3	13.25	33.7	14.5	36.8	14.25	36.2	15.5	38.7	16.5	41.9
38	36	91.4	11.5	29.2	12.75	32.4	12.5	31.8	13.75	34.9	13.5	34.3	14.75	37.5	14.5	36.8	15.75	39.4	16.75	42.5
40	38	96.5	11.75	29.8	13	33	12.75	32.4	14	35.6	13.75	34.9	15	38.1	14.75	37.5	16	40.6	17	43.1
42	40	101.6	12	30.5	13.25	33.7	13	33	14.25	36.2	14	35.6	15.25	38.7	15	38.1	16.25	40.6	17.25	43.8
44	42	106.7	12.25	31.1	13.5	34.3	13.25	33.7	14.5	36.8	14.25	36.2	15.5	39.4	15.25	38.7	16.5	41.3	17.5	44.5
46	44	111.8	12.5	31.8	13.75	34.9	13.5	34.3	14.75	37.5	14.5	36.8	15.75	40	15.5	39.4	16.75	42.5	17.75	45
48	46	116.8	12.75	32.4	14	35.6	13.75	34.9	15	38.1	14.75	37.5	16	40.6	15.75	40	17	42.5	18	45.7

D CUP

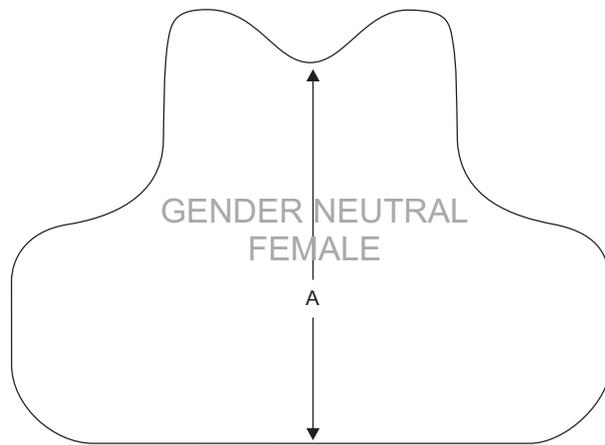
Measurement Locations - Standard Sizes
Gender Neutral Male & Gender Neutral Female Flat Panels



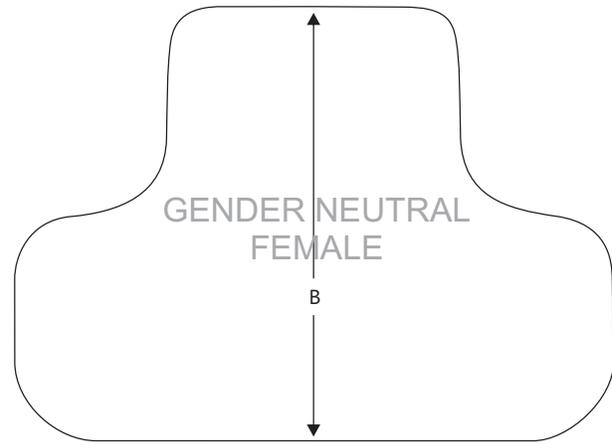
Front Ballistic Panel



Back Ballistic Panel



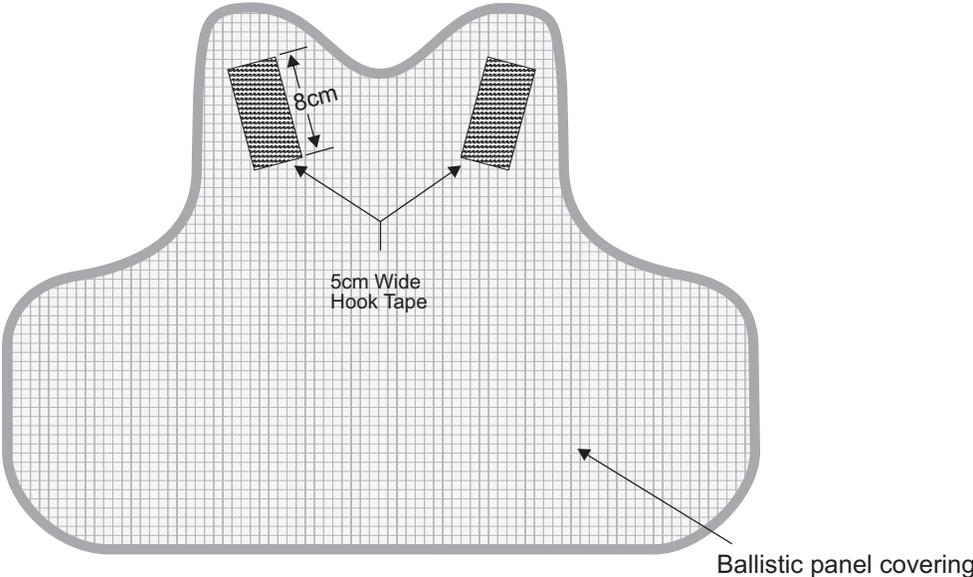
Front Ballistic Panel



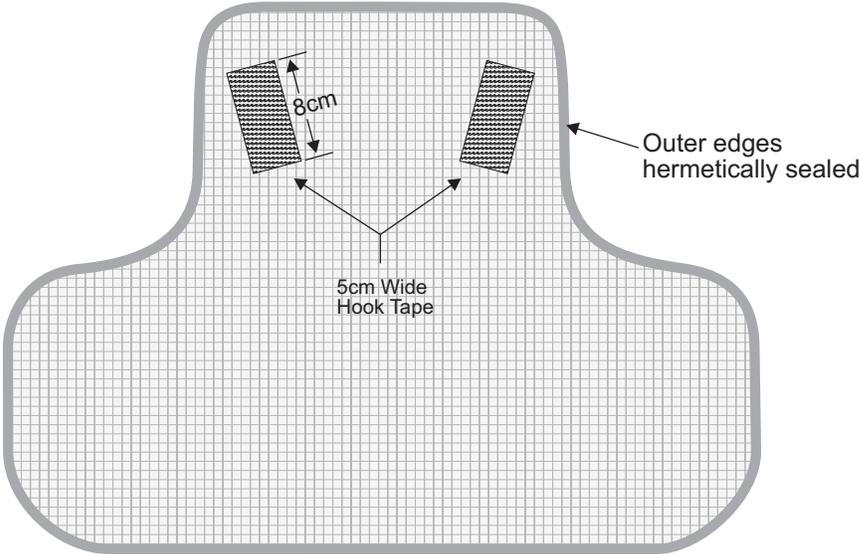
Back Ballistic Panel

All Measurements in Centimeters
Finished measurements are for the ballistic materials (excluding pouch).
NOT TO SCALE

Ballistic Panels

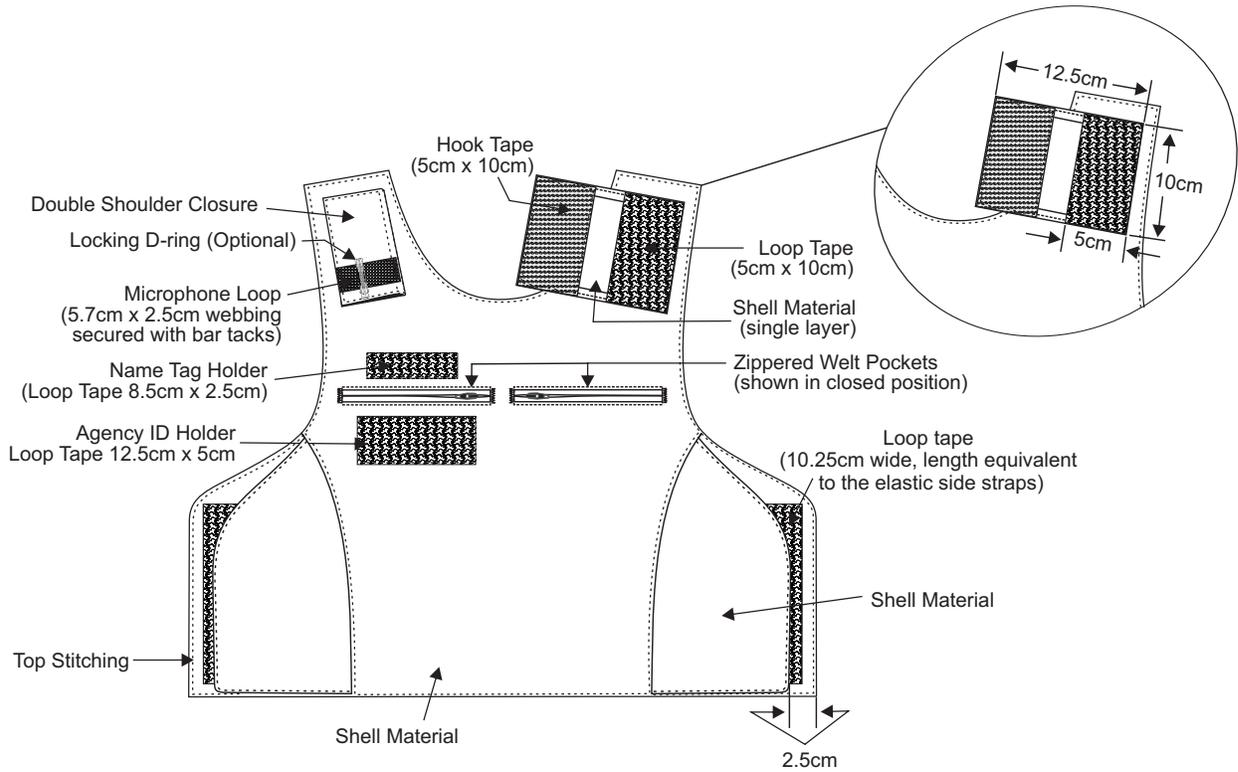


Front Ballistic Panel

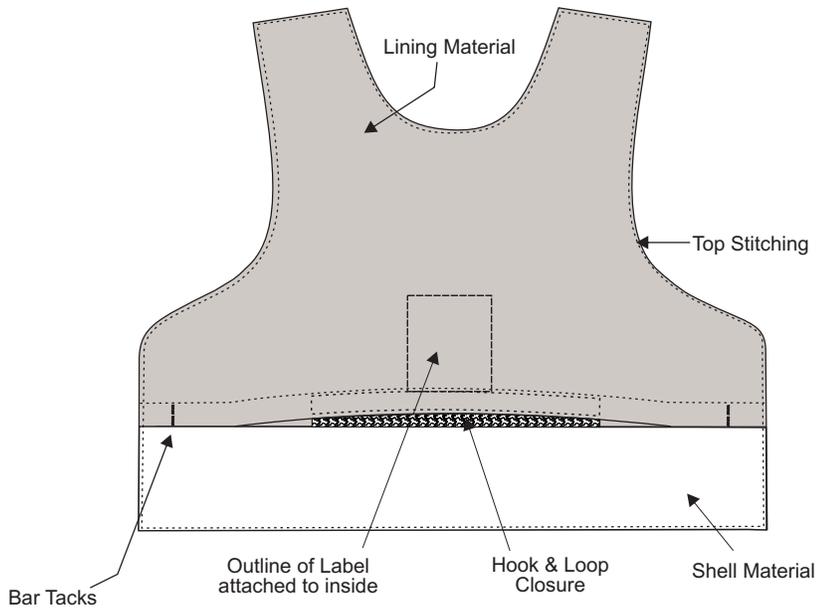


Back Ballistic Panel

External Carrier - Front
(shown with all available features)



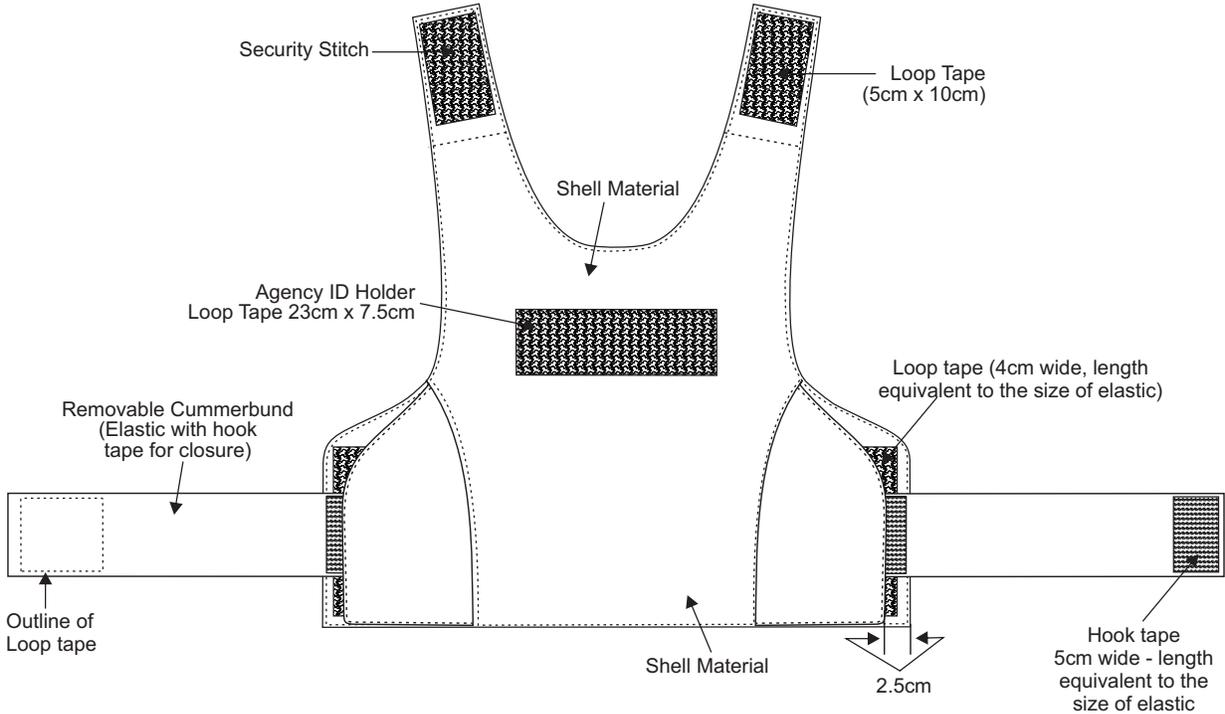
**Outside View -
External Carrier Front Panel**



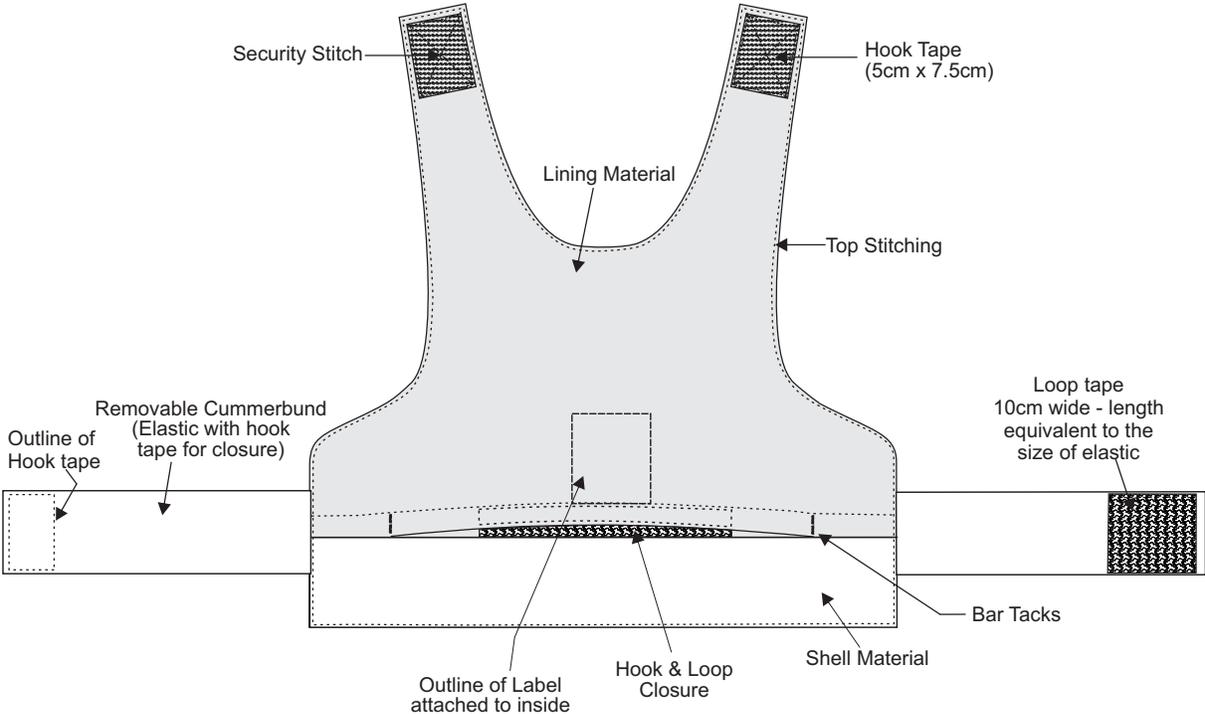
**Inside View -
External Carrier Front Panel**

All Measurements in Centimeters
NOT TO SCALE

External Carrier - Back
 (shown with all available features)



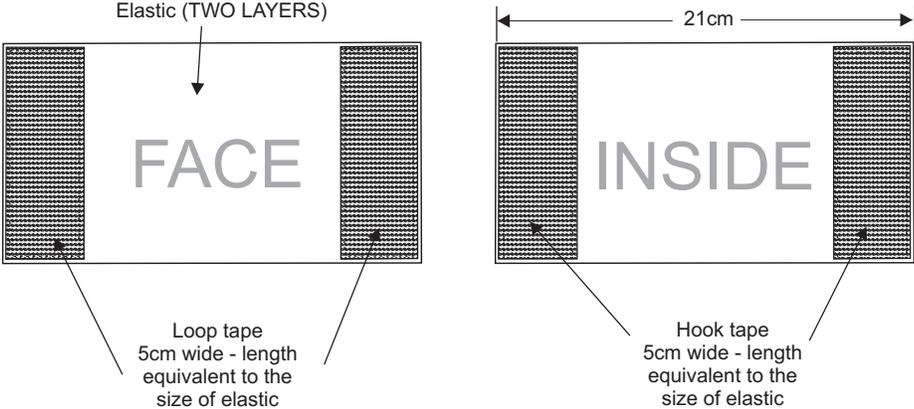
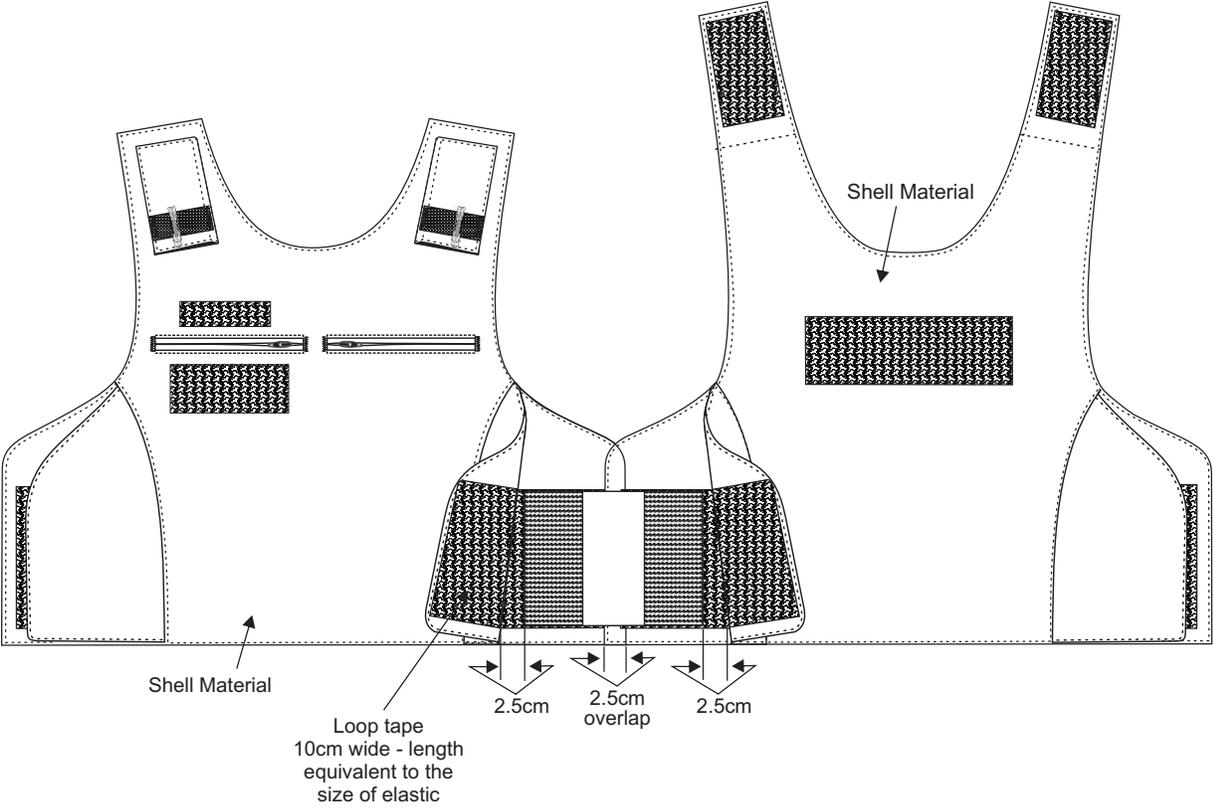
Outside View - External Carrier Back Panel



Inside View - External Carrier Back Panel

All Measurements in Centimeters
 NOT TO SCALE

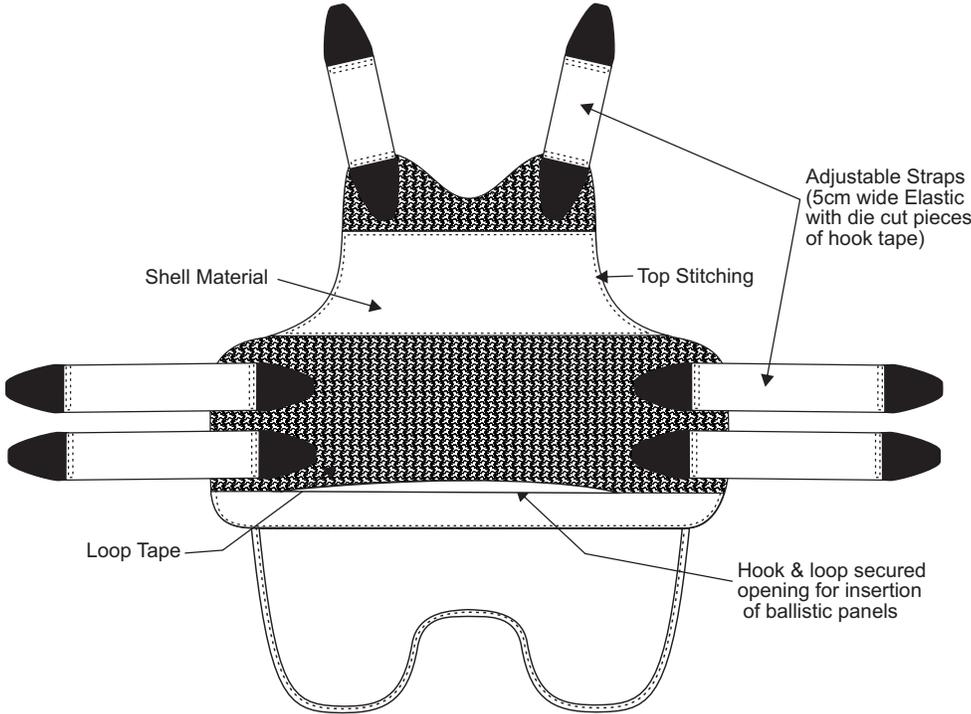
External Carrier - Side View Details



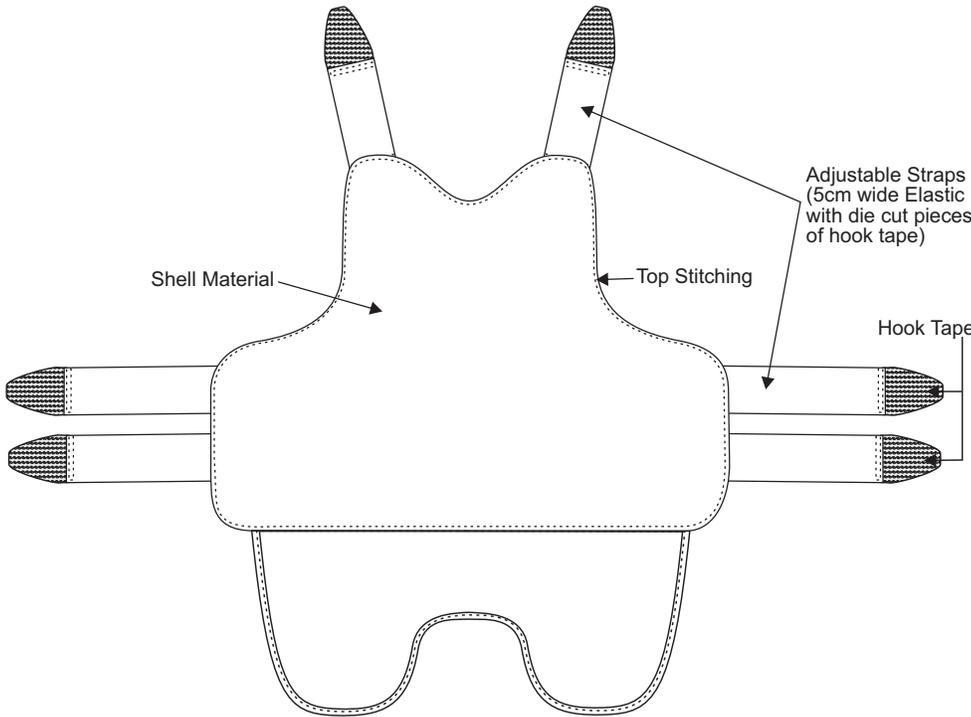
Elastic Side Straps

All Measurements in Centimeters
NOT TO SCALE

Internal Carrier - FRONT
Gender Neutral Male (Flat Panel)



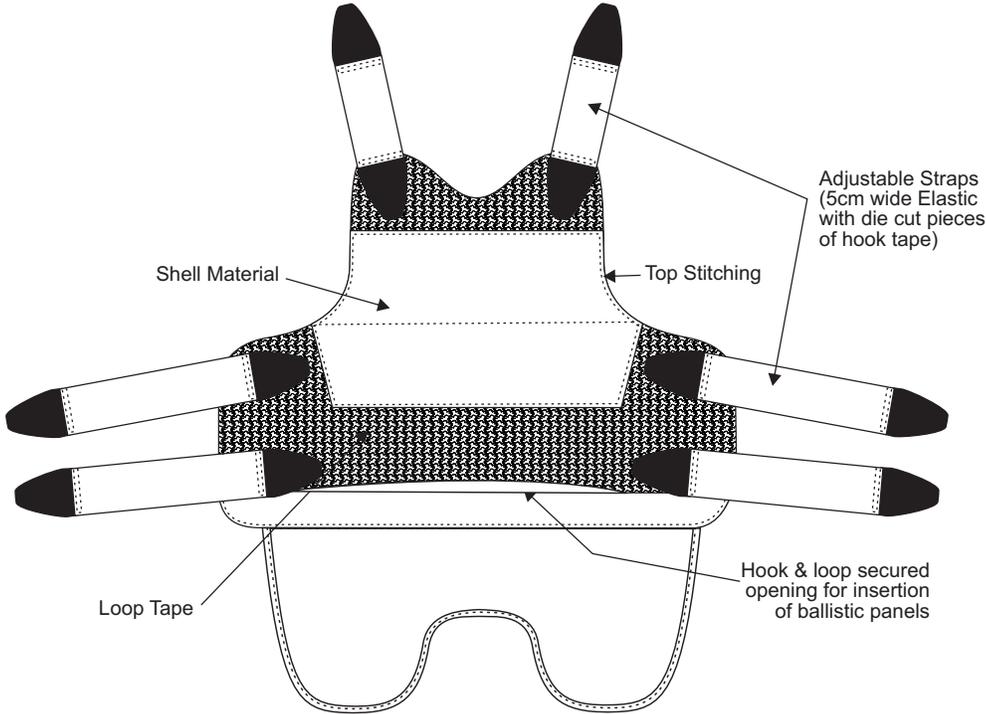
Outside View -
Internal Carrier Front Panel



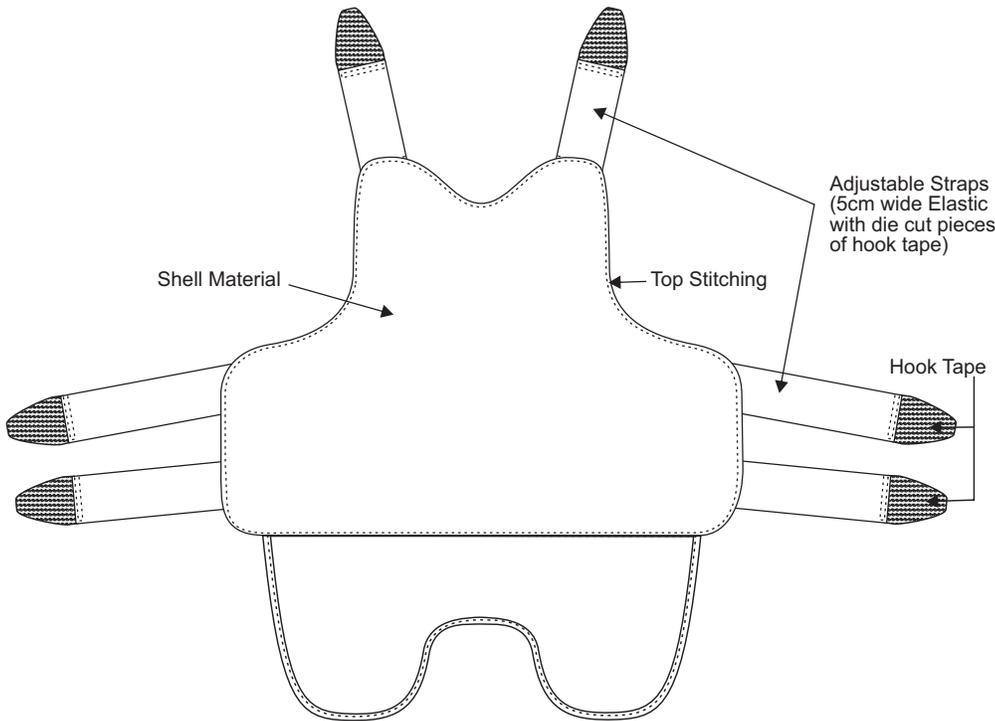
Inside View -
Internal Carrier Front Panel

All Measurements in Centimeters
NOT TO SCALE

Internal Carrier - FRONT
Gender Neutral Female (Flat Panel)



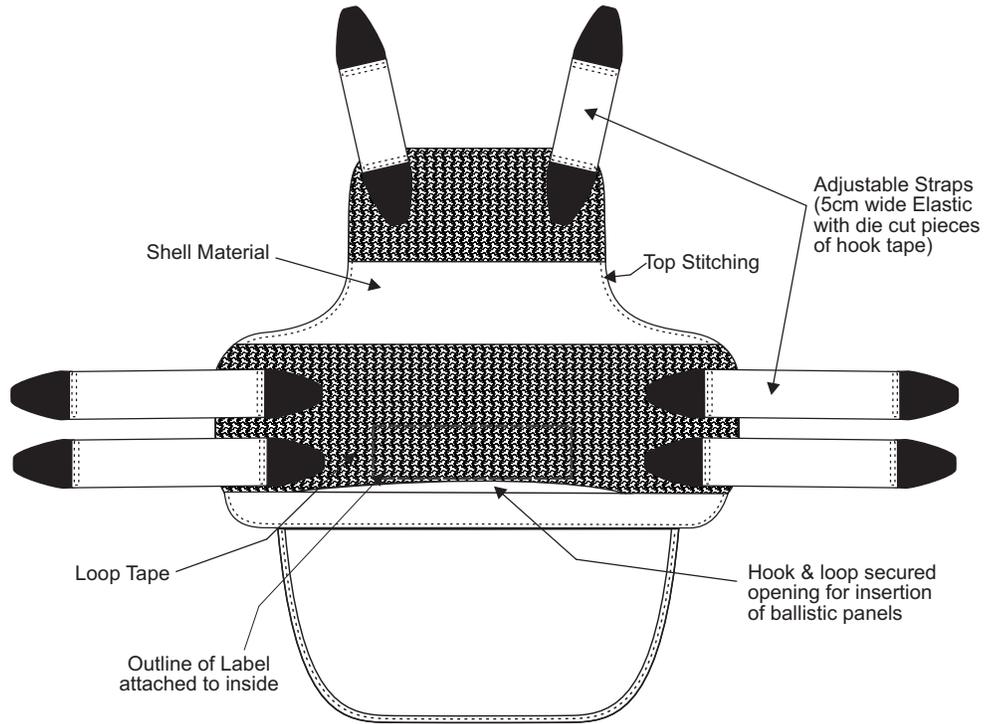
Outside View -
Internal Carrier Front Panel



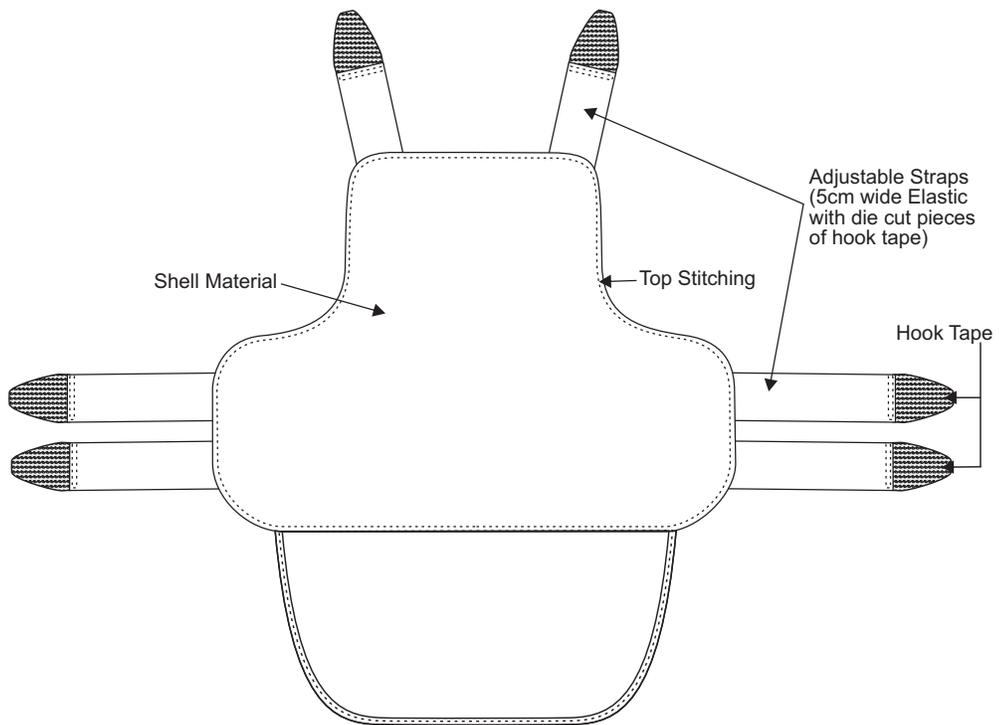
Inside View -
Internal Carrier Front Panel

All Measurements in Centimeters
NOT TO SCALE

Internal Carrier - BACK
Gender Neutral Male & Gender Neutral Female



Outside View -
Internal Carrier Back Panel



Inside View -
Internal Carrier Back Panel

All Measurements in Centimeters
NOT TO SCALE