



**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**

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**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  
L'Esplanade Laurier,  
East Tower 7th Floor  
Tour est 7e étage  
140 O'Connor, rue O'Connor,  
Ottawa  
Ontario  
K1A 0R5

<b>Title - Sujet</b> Hard Body Armour Plates	
<b>Solicitation No. - N° de l'invitation</b> 5P051-180632/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> 5P051-180632	<b>Date</b> 2018-12-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PR-765-75929	
<b>File No. - N° de dossier</b> pr765.5P051-180632	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-02-13</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Dubé, Jonah	<b>Buyer Id - Id de l'acheteur</b> pr765
<b>Telephone No. - N° de téléphone</b> (613) 859-0788 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**SOLICITATION AMENDMENT 004**

**\*\*\*IMPORTANT NOTE\*\*\***

**THE ORIGINAL SOLICITATION DOES NOT CONTAIN THE CORRECT SPECIFICATIONS (ANNEX B) – PLEASE REFER TO SOLICITATION AMENDMENT 001 FOR THE SPECIFICATIONS RELATING TO THIS REQUIREMENT.**

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**SECTION A - QUESTIONS AND ANSWERS**

Question 5:

As the Parks Canada ballistic vest is tested to NIJ 0101.06 Level II (but not certified to that standard) will the crown accept that for this bid, ballistic test reports showing Hard Armour plates tested on any NIJ level II type vest (or ballistic sample) that meet the ballistic requirement would be acceptable?

Answer 5:

Specifications listed under Amendment number 000 are to be disregarded in relation to Solicitation 5P051-180632/A (HBA). Please reference Amendment Number 001 for applicable specifications.

Question 6:

The Parks Canada ballistic vest is not defined in regards to construction in its standard, so for on-going lot testing throughout the contract will the crown accept that the sample hard armour plates will be tested in conjunction with soft armour coupons supplied by the plate supplier?

Answer 6:

Specifications listed under Amendment number 000 are to be disregarded in relation to Solicitation 5P051-180632/A (HBA). Please reference Amendment Number 001 for applicable specifications.

Question 7:

The RFP in Section 4.1.1.1. Mandatory Technical Criteria specifies that with the bid respondents must provide one plate, test results and certificates of compliance. Test reports are further defined as performed by an accredited laboratory in accordance with para 4.1.1 and para 4.1.2 of the technical requirement. Further, the RFQ states that "Certificates of Compliance" are required for the NIJ 0101.06 and MIL-662F and these are generated by the manufacturer. So what exactly are bidders required to provide? Are bidders to provide a test report for each ammunition as detailed in the technical specification when tested with our supplied level II soft armour coupons to the velocities specified and using the general methods of NIJ 0101.06 ballistic testing by an independent lab? Or are we to provide a certificate of compliance that states that the plate performs to the required standard? Also, how can a manufacturer generate a Certificate of Compliance to MIL-662F when the standard does not define the ballistic limits, the V 50, or the V95?

Answer 7:

In relation to 4.1.1 (a), the Crown will accept Certificate of Compliance demonstrating NIJ 0101.06 Level III Certification. Documentation issued by NIJ would satisfy this criteria.

In relation to 4.1.1 (b) & (c), the Crown will accept Certificate of Compliance or test reports demonstrating HBA was tested in-compliance with NIJ 0101.06 methodology, excluding or in accordance with conditioning regime.

In relation to 4.1.2, the Crown will accept Certificate of Compliance or test reports demonstrating HBA was tested in-compliance with NIJ 0101.06 methodology, excluding or in accordance with conditioning regime.

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In relation to MIL-662F, Military Standard: V50 Ballistic test for Armor, please reference Ballistic Resistance of Body Armor, NIJ Standard-0101.06, Analysis of Ballistic Limit Data (pg. 69). The Crown will accept Certificate of Compliance or test reports provided by an independent third party.

Question 8:

In the Technical Specification for plates, Section 4.2 Plate construction: the plates must be “constructed from a one-piece composite material strike face” that construction is not possible. Either the armour plate is made from multiple layers of polymers bonded together or the strike face is ceramic boded to other composite materials. If this specification is focused on a plate made from UHMWPE it must say so as that cannot be achieved with a single layer.

Answer 8:

The intent of this requirement is to disqualify armour systems composed of multiple bonded ‘tiles’ with seams between them. The armour is to be of a monolithic plate construction. The material used to manufacture the monolithic plate may be of various materials, so long as the armour satisfies the technical specifications outlined in Annex B.

Question 9:

In the Technical Specification for plates, Section 4.3 Buoyancy: How is this supported? Certificates of Compliance or test data?

Answer 9:

Certificate of Compliance.

Question 10:

In the Technical Specification for plates, Section 4.4 Water Resistance: How is this supported? Certificates of Compliance or test data? The NIJ has no test for water resistance. Unless you wish ballistic tests done after submersion? So which is it?

Answer 10:

Certificate of Compliance affirming NIJ 0101.06 Level III certification would satisfy this condition as it relates to the armour conditioning regime.

Question 11:

In the Technical Specification for plates, Section 4.5 Extreme Environmental Durability: How is this supported? Certificates of Compliance or test data?

Answer 11:

Certificate of Compliance.

Question 12:

In the Technical Specification for plates, Section 4.6 Extreme Environmental Resistance: How is this supported? Certificates of Compliance or test data?

Answer 12:

Certificate of Compliance.

Question 13:

In the Technical Specification for Plates. Section 5.4 states that each batch must be accompanied by a Certificate of Compliance that each batch has been tested to MIL-662 to a V50 for the M80 ball projectile. What is the required V50? Is this test done wet? Is this test done at reduced or elevated temperatures? Is there a drop test required prior to testing?

Answer 13:

Please reference Ballistic Resistance of Body Armor, NIJ Standard-0101.06, Analysis of Ballistic Limit Data (pg. 69).

Question 14:

As there is a significant amount of specialized (Non-NIJ) ballistic testing required by any supplier to meet this requirement, there is no way this could be accomplished over the Christmas holiday period. Also, range bookings will restrict access over the holiday and post-holiday periods. It is requested that the RFQ be extended by 60 business days to allow for testing to take place. Or, the RFQ to be modified to allow the selected bidder to provide data prior to beginning manufacture.

Answer 14:

PCA wishes to procure and issue this important personal protective equipment ASAP. 30-day extension is feasible giving consideration to time of year.

Question 15:

In Solicitation Amendment 002, Answer 2, the following comment was made:

“To clarify, NIJ 06 level III Certification is required when tested in conjunction with level II SBA for the following threat levels:

- i. 7.62mm ball rounds (NIJ0101.06 level III)
- ii. 7.62mm M43 or M67 mild steel core (AK 47); velocity of 700 m/s (+/-9.1)
- iii. 5.56mm ball rounds (M193 and LE223T3); velocity of 937 m/s (+/-20)”

Question: How can any bidder obtain NIJ 0101.06 Certification for the plate when the SBA used by Parks Canada is not NIJ 0101.06 Certified? In order to have an NIJ 0101.06 Certification for an in conjunction system the NIJ requires that the SBA already be NIJ 0101.06 Certified and then the plate and vest go through a separate certification process. If that is successful then only that vest and plate combination can be classed as NIJ 0101.06 Certified.

In this case no Bidder can comply with the RFP as the Parks Canada SBA is not certified and can be manufactured by a number of vendors, each with their own solution none of which is certified.

The specification for this tender is flawed in so many technical ways that it needs review and revision. I have also attached an NIJ produced document for the procurement of body armour that may assist in understanding the points I have made in this and my previous email.

Answer 15:

Specifications listed under Amendment number 000 are to be disregarded in relation to Solicitation 5P051-180632/A (HBA). Please reference Amendment Number 001 for applicable specifications.

Question 16:

What is the awarded price for the last Contract for these items?

Answer 16:

There are no previous Contract awarded for these items.

Question 17:

200 pieces per size or 200 pieces in total?

Answer 17:

200 pieces in total.

Question 18:

If 200 pieces in total, please advise how many for men and how many for women?

Answer 18:

The plates must be available in Small and Medium sizes, IAW Section 4.2.3 of Annex B - Shape, Weight and Dimensions.

For the Firm quantity, we want 40 Small sized units and 160 Medium sized units.

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Question 19:

If possible, please offer the sizing chart of uniforms for our reference?

Answer 19:

It is not possible to provide such information as uniforms are not purchased centrally. A third party is used to manage uniforms.

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**SECTION B – CHANGES TO THE BID SOLICITATION**

Change 2:

At the cover page of the Solicitation,

**DELETE:**

Solicitation Closes – L'invitation prend fin  
at – à 02:00 PM  
on – le 2019-01-14

**INSERT:**

Solicitation Closes – L'invitation prend fin  
at – à 02:00 PM  
on – le 2019-02-13

Change 3:

At Article 4.1.1.1 of the Bid Solicitation,

**DELETE:**

In addition, Certificates of Compliance are required for the following:

1. NIJ Standard 0101.06 Ballistic Resistance of Body Armour (2008) (para. 2.2 of Annex B)
2. U.S. MIL-STD-662F, Military Standard: V50 Ballistic Test for Armor (para. 2.3 of Annex B)

**INSERT:**

In addition, Certificates of Compliance are required for the following:

1. NIJ Standard 0101.06 Ballistic Resistance of Body Armour (2008) (para. 2.2 of Annex B)
2. U.S. MIL-STD-662F, Military Standard: V50 Ballistic Test for Armor (para. 2.3 of Annex B)
3. Buoyancy – The Hard Armour Rifle Plate must be positively buoyant and float in water (para. 4.3 of Annex B)
4. Extreme Environmental Durability – The Hard Armour Rifle Plate must not experience any visual degradation when stored between -15 and +65 degrees Celsius (para. 4.5 of Annex B)
5. Extreme Environmental Resistance – The Hard Armour Rifle Plate must perform ballistically when stored between -15 and +90 degrees Celsius (para. 4.6 of Annex B)

Change 4:

At Annex A, Section A.3,

**DELETE:**

(size roll to be provided after Contract Award, in accordance with Annex B, Section 4.2.3)

**INSERT:**

SIZE ROLL

<b>Description</b>	<b>Quantity</b>
Medium Size	160
Small Size	40

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**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**  
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