



**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**

**Armoured Vehicles Support/Soutien des véhicules  
blindés**

**11 Laurier St./11, rue Laurier**

**Place du Portage Phase III 6C1**

**Gatineau**

**Québec**

**K1A 0S5**

<b>Title - Sujet</b> ADD ON ARMOUR PANELS	
<b>Solicitation No. - N° de l'invitation</b> W8486-173327/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W8486-173327	<b>Date</b> 2016-11-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BL-311-25993	
<b>File No. - N° de dossier</b> 311bl.W8486-173327	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-23</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 checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Godin, Lorraine	<b>Buyer Id - Id de l'acheteur</b> 311bl
<b>Telephone No. - N° de téléphone</b> (819) 420-0812 ( )	<b>FAX No. - N° de FAX</b> (819) 956-0648
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Specified Herein	

**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 (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**THIS SOLICITATION AMENDMENT 002 IS RASIED TO:**

- Amend the Request for Proposal (RFP), and
- Publish Canada's responses to Industry's questions.

**NOTE:** Industry questions are numerically sequenced upon arrival to Canada. Industry are hereby advised that questions and answers for this solicitation may be issued out of sequence.

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**Amd.003.**

**At Part 4, Article 4.1 Evaluation Procedures:**

- DELETE: c) Bidders are required to comply with the drawing at Appendix 1 to Part 4 – Technical Requirements.
- INSERT: c) Bidders are required to comply with the drawing at Appendix 1 to ANNEX "A" – Amoured Panel Layout (Drawing)

**Amd.004**

**At Part 4, Article 4.1.1.2 "Optional" Point Rated Technical Criteria:**

- DELETE: To be considered for an optional procurement AOA panels must, when affixed to the target system as described in Annex "A" 3.8.1, meet minimum STANAG 4569 level K4 to be considered and,
- a. Meet or exceed STANAG 4569 Level K6 at an obliquity of 60°, or
  - b. Meet STANAG 4569 Level K4 plus defeat 14.5x mm BS41 at the same testing requirements as level K4 when tested at an obliquity of 0°, or
  - c. Meet STANAG 4569 Level K4 plus defeat 12.7mm M903 at a maximum range of 200m using the multi-hit pattern for level K4 and tested at an obliquity of 0°, or
  - d. Areal density of: 65kg/m<sup>2</sup> - 110 kg/m<sup>2</sup>, or
  - e. Thickness as follows (including stand-off): 25mm – 115mm.
- INSERT: To be considered for an optional procurement AOA panels must, when affixed to the target system as described in Annex "A" 3.8.1, meet minimum STANAG 4569 level K4 to be considered and,
- a. Meet or exceed STANAG 4569 Level K6 at an obliquity of 60°, or
  - b. Meet STANAG 4569 Level K4 plus defeat 14.5 mm BS41 at the same testing requirements as level K4 when tested at an obliquity of 0°, or
  - c. Meet STANAG 4569 Level K4 plus defeat 12.7mm M903 at a maximum range of 200m using the multi-hit pattern for level K4 and tested at an obliquity of 0°, and
  - d. Areal density of: less than or equal to 110 kg/m<sup>2</sup>, and
  - e. Thickness as follows (including stand-off): less than or equal to 115mm.

**Amd.005.**

**At Part 6, Article 6.8 Invoicing Instructions, 6.8.2. b.:**

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

Department of National Defence  
NDHQ DGLEPM  
101 Colonel By Dr.  
Ottawa, Ontario, Canada  
K1A 0K2

Attention: Nicolas Mercier (DLP 4-4-1-3)

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

Department of National Defence  
NDHQ DGLEPM  
101 Colonel By Dr.  
Ottawa, Ontario, Canada  
K1A 0K2

Attention: Annick Barabe (DLP 7-1-3)

**Amd.006.**

**At Part 6, Article 6.4.1 Period of the Contract:**

DELETE:        The period of the Contract is from date of Contract to 31 December 2017 inclusive

INSERT:        The period of the Contract is 1 year from Contract Award.

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**Question 1:**

Does the evaluation team composed of representatives of Canada include non-Government/military personnel such as contracted service contractors?

**Response 1:**

No, the evaluation team does not include non-Government/military personnel such as contracted service contractors.

**Question 2:**

This para refers to a drawing, but there does not appear to be a drawing at Appendix 1 to Part 4 – Technical Requirements. Please clarify what is meant.

**Answer 2:**

See Amendment 003.

**Question 3:**

Please confirm the versions of STANAG 4569 and AEP 55 Volume 1 that will be followed for the purpose of the evaluation.

**Answer 3:**

The version used will be AEP 55 Volume 1 Edition C Version 1.

**Question 4:**

AOA is designed to perform as part of a system with the base armour and spall liner. Can the supplier provide its own proprietary spall liner which is designed to work with the AOA in lieu of using Government Furnished spall liner? If not please provide the details of the spall liner to be used for testing, such as material type, thickness, V50, etc... as well as the bonding method used to secure the spall liner to the steel backing.

**Answer 4:**

Canada will provide the spall liner for all suppliers to ensure the same grade of spall liner is used and tested for all AOA panels, as per 3.4 of ANNEX "A". DND acknowledges submissions and assertions may be based on test results derived from testing used from alternative spall liners. If the supplier wants to provide their own proprietary spall liner it must be at no cost to Canada. The spall liner provided by Canada will be the one used for primary testing. Supplier proprietary liner may be tested at Canada's discretion.

The details of the spall liner are that it is aramid based and bonded to the steel with an adhesive. Canada can not divulge more information regarding its proprietary spall liner.

**Question 5:**

Annex A, SOW, para 3.3.2. This paragraph states that AOA panels will not be returned and will remain sole property of Canada. Please provide the purpose of retaining the test samples after the evaluation is complete and not returning them to the supplier.

**Answer 5:**

The AOA panels will not be returned and will remain sole property of Canada. Canada will maintain the confidentiality of the supplier's intellectual property.

**Question 6:**

Confirm that the supplier will continue to own all intellectual property associated to the panels and that Canada will not reverse engineer, duplicate, copy, etc., the panels or the technology/processes contained in or forming part of such panels.

**Answer 6:**

Confirmed, the supplier will continue to own all intellectual property associated to the AOA panels and Canada has no intention to reverse engineer or duplicate the AOA panels.

**Question 7:**

Confirm that Canada will maintain the confidentiality of the suppliers intellectual property associated to the panels except as expressly permitted by the RFP terms in article 3.3.5.

**Answer 7:**

Confirmed, Canada will maintain the confidentiality of the supplier's intellectual property, as per ANNEX "A" article 3.3.

**Question 8:**

Does Canada have a budgetary cap for the purchase of panels, or does Canada intend to buy panels for all compliant submissions?

**Answer 8:**

Canada does intend to purchase a minimum of three (3) to a maximum of ten (10) of panels for all those who are compliant for the Mandatory Technical Requirements and may purchase a maximum of ten (10) AOA panels that meet the Optional Technical Requirements.

**Question 9:**

Part 1, para 1.3. The paragraph states that a minimum of three (3) panels will be purchased, with additional panels possibly being procured "as and when required". Could the additional panels be purchased at the time of contract award, or would they only be purchased at a later date?

**Answer 9:**

Yes, the maximum number of panels can be purchased at time of contract award. Canada has the option to purchase panels in stages "as and when requested" for 1 year from contract award as per the length of the contract.

**Question 10:**

The requirements to be considered for an optional procurement are listed in sub-paragraphs "a" through "e" as one or the other. Should sub-paragraphs d (areal density) and e (thickness) be coif so, the paragraph should read:

- a. Meet or exceed STANAG 4569 Level K6 at an obliquity of 60°, or
- b. Meet STANAG 4569 Level K4 plus defeat 14.5x mm BS41 at the same testing requirements as level K4 when tested at an obliquity of 0°, or
- c. Meet STANAG 4569 Level K4 plus defeat 12.7mm M903 at a maximum range of 200m using the multi-hit pattern for level K4 and tested at an obliquity of 0°, and
- d. Areal density of: 65kg/m2 - 110 kg/m2, and
- e. Thickness as follows (including stand-off): 25mm – 115mm.

**Answer 10:**

See Amendment 004.

**Question 11:**

Will Canada test the STANAG level 4 requirement using the authentic Russian 14.5mm rounds or the surrogate round?

**Answer 11:**

Canada will test using rounds that meets the requirements of Table A.3 of AEP 55 Volume 1, based on availability.

**Question 12:**

Please confirm that the use of the designation of "K4" or "K6" in reference to STANAG protection levels indicates that only the Kinetic Energy threats for the applicable level is being considered (and not the Artillery/High Explosive threat).

**Answer 12:**

Canada does not plan to test the artillery threat at this time and is only concerned with the Kinetic Energy threat for this requirement, as per 1.2 of the ANNEX "A".

**Question 13:**

Can a test plan be provided detailing the specific testing parameters such as shot loading per target, shot spacing, etc.)?

**Answer 13:**

No, the test plans will not be provided. Canada will conduct testing at the most severe condition allowed by AEP 55 Volume 1.

**Question 14:**

What other testing not defined in STANAG does Canada intend/anticipate?

**Answer 14:**

The test plan is not being provided.

**Question 15:**

Confirm the security clearance requirements of the test facility so company personnel may witness testing of our own panels.

**Answer 15:**

Reliability Status will be required if company personal requests to witness testing of their own panels, as per ANNEX "D" SECURITY REQUIREMENTS CHECK LIST.

**Question 16:**

Please confirm that the Firm Unit Price provided in each table in in fact the price that Canada intends to pay for each panel and that no pricing submission is required by the Contractor. If so, please confirm that tables provided in Annex B are for information only and are not required as part of the bid submission.

**Answer 16:**

Correct, this is a firm fixed contract and the ANNEX "B" is not required to be filled out as part of the bid submission.

**Question 17:**

Section 3.3.1d indicates the system will be tested with an aramid based spall liner. Could you confirm that a ballistic stop in the spall liner is acceptable?

**Answer 17:**

A Complete Penetration will be determined using a witness plate in accordance with IAW AEP 55 Volume 1, Edition C Version 1. The addition of a "ballistic stop" or any other material on the spall liner side of the target will not be considered / permitted during this evaluation.

**Question 18:**

Is Canada willing to accept alternate spall liner solutions (for example, E-Glass or UHMWPE) if the contractor's spall liner solution supports an overall lighter solution?

**Answer 18:**

See Answer 4.

Solicitation No. - N° de l'invitation  
W8486-173327/A  
Client Ref. No. - N° de réf. du client  
W8486-173327

Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
311bl W8486-173327

Buyer ID - Id de l'acheteur  
311bl  
CCC No./N° CCC - FMS No./N° VME

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**Question 19:**

The solicitation does not define coating or paint specifications. As such, we have assumed the maximum weight is listed as uncoated. Could you confirm this is correct?

**Answer 19:**

Yes, you can provide the areal density of uncoated AOA.

**Question 20:**

The optional requirements in Appendix 1 to Part 4 indicate optional panels can be purchased which exceeds the AW of 65kg/m<sup>2</sup>. If the bidder's solution exceeds the Mandatory weight of 65 kg/m<sup>2</sup> does Canada still have the option to buy Optional plates which have a higher AW (between 65-110 kg/m<sup>2</sup>) but which stops the additional threats as per the Optional Technical Requirements Table?

**Answer 20:**

Yes, Canada intends to award multiple contracts from this solicitation in order to test various AOA panel solutions, as per para 3.2.3 of ANNEX "A".

**Question 21:**

Does the solicitation require a forth section, Financial Bid?

**Answer 21:**

No, payment is Firm Unit Price in accordance with Annex "B" PRICING SCHEDULE.

**ALL OTHER TERMS AND CONDISTIONS REMAIN UNCHANGED**