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PWGSC
1550, Avenue d'Estimauville
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Québec
Québec
G1J 0C7

**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
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Plaques de substitution balistiques	
Solicitation No. - N° de l'invitation W7701-196912/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client W7701-196912	Date 2018-08-15
GETS Reference No. - N° de référence de SEAG PW-\$QCL-042-17425	
File No. - N° de dossier QCL-8-41044 (042)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-08-30	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hamel, Jonathan	Buyer Id - Id de l'acheteur qcl042
Telephone No. - N° de téléphone (418) 649-2806 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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

Ballistic surrogate plates

Amendment 002

The purpose of this amendment is to provide answers to the questions raised by bidders during the solicitation period and to make corrections to certain sections of the bid solicitation.

- Questions and answers submitted during the request for proposal period.

Q1: Is it A Level 3A SA?

A1: The protection level of these surrogates is unknown to date.

Q2: Is there a specific brand/model for the plates?

A2: No.

Q3: Are these also rifle plates?

A3: These surrogates will be manufactured for Research and Development purpose and may be tested against live bullets.

Q4: Please also specify on the word "surrogate."

A4: A surrogate is a substitute that can be used during experimental tests or for engineering design.

Q5: The build requirements identify some materials by part number and sizes, whereas other materials are only given a generic description (PU film, reinforcing weave, fibre reinforced epoxy plate). Please confirm that the intent is for the contractor to select the specific type and size of these materials.

A5: In the statement of work, some materials were specified using part number and sizes and other not. The intent is for the contractor to select the specific type and size of the materials that were not specified.

Q6: The build requirements for each surrogate plates lists the multiple layers for each plate. Please confirm that the intent is to have all layers bonded together to make one solid plate (ie, the layers will not simply be clamped together at the time of testing).

A6: All layers have to be bonded together to have one solid plate.

Q7: If all layers of the surrogate plates are to be bonded together, please confirm that the selection of the adhesive to bond each of the layers as well as the consolidation method is to be selected by the contractor. Please confirm if there are any physical characteristic and/or performance requirements that will be used as acceptance criteria for the bonded surrogate plates.

A7: The selection of the adhesive to bond each layer and the consolidation method is to be selected by the contractor. However, the contractor should provide the method and specification (e.g. pressure, temperature and type of adhesive) used to bound these layers.

¹Q8: 2.2 states Alotec 98SB at 8.7 mm -0/+3, while 4.2.2 states Alotec 98SB at 9.0 mm -0/+3. Which one is correct?

¹A8: The correct one is Alotec 98SB at 8.7 mm -0/+0.3.

¹Only applicable to the English version of the request for proposal

Q9: 3.2 and 4.3.2 state thickness tolerance of +/- 0.1 mm, 0.5 mm. Does this mean +0.1 mm / - 0.5 mm or something else? A typo error has crept into the document.

A9: What was meant is a thickness tolerance of +/- 0.1 mm and (3.3 and 4.3.3) should be written as: 0.5 mm Fiber Reinforced Epoxy Plate on both sides of the ceramic tile.

Q10: Regarding W7701-196912/A in Annex A – Requirement 4.3.2:

We have been advised from 3M that the required grade of Silicon Carbide tile “3M Silicon Carbide Grade T+” is no longer on offer. Is there an alternative material that is acceptable?

A10: When preliminary tests were done, the product was available at that time. The Canada will only accept a 3M equivalent material to grade T+ or higher.

- At Attachement 1 to Part 4

DELETE

3. Surrogates #3

Criteria no.	Criteria Description	Technical bid reference (Page and/or Section)
3.2	• Ceramic tile: 9,3mm 3M Silicon Carbide Grade T+, Thickness tolerance +/- 0.1 mm, 0.5mm,	Page: Section:
3.3	• Fiber Reinforced Epoxy Plate on both sides of the ceramic tile.	Page: Section:

INSERT

3. Surrogates #3

Criteria no.	Criteria Description	Technical bid reference (Page and/or Section)
3.2	• Ceramic tile dimensions: 9,3mm 3M Silicon Carbide Grade T+ or equivalent 3M grade T+ or higher, Thickness tolerance +/- 0.1 mm,	Page: Section:
3.3	• 0.5mm Fiber Reinforced Epoxy Plate on both sides of the ceramic tile.	Page: Section:

- At Annex A – Statement of work

DELETE

4.2 Surrogates #2 – Required quantity: 60

4.2.2 Aluminium oxide tile dimensions: 9.0 mm -0/+0.3, 100x100 mm Alotec 98SB, Ceramtec

4.3 Surrogates #3 – Required quantity: 60

4.3.2 Ceramic tile dimensions: 9,3mm 3M Silicon Carbide Grade T+, Thickness tolerance +/- 0.1 mm, 0.5mm,

4.3.3 Fiber Reinforced Epoxy Plate on both sides of the ceramic tile.

INSERT

4.2 Surrogates #2 – Required quantity: 60

4.2.2 Aluminium oxide tile dimensions: 8.7 mm -0/+0.3, 100x100 mm Alotec 98SB, Ceramtec

4.3 Surrogates #3 – Required quantity: 60

4.3.2 Ceramic tile dimensions: 9,3mm 3M Silicon Carbide Grade T+ or equivalent 3M grade T+ or higher, Thickness tolerance +/- 0.1 mm,

4.3.3 0.5mm Fiber Reinforced Epoxy Plate on both sides of the ceramic tile.