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Réception des soumissions - TPSGC / Bid Receiving -
PWGSC

1550, Avenue d'Estimauville

1550, D'Estimauville Avenue

Québec

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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 Système de simulateur de mouvement	
Solicitation No. - N° de l'invitation W7701-176479/B	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client W7701-176479	Date 2019-01-18
GETS Reference No. - N° de référence de SEAG PW-\$QCL-042-17539	
File No. - N° de dossier QCW-7-40042 (042)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-02-05	Time Zone Fuseau horaire Heure Normale du l'Est HNE
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

AMENDMENT 004

The purpose of this amendment is to provide clarification on an answer provided in a previous amendment as well as providing clarification on a technical requirement.

1. Question raised by the industry during the request for proposal period

Q22: Since the 5.3.7.2 point does not include a bandwidth specification, we conclude that there is no bandwidth requirement which is very surprising for such system. Could you confirm that our interpretation is relevant?

A22: All axes of the scene relay mount must allow a minimum bandwidth of 20 Hz.

2. At Annex A - Statement of Work

DELETE

5.2.6.2 Minimal UUT mount performances for Type A UUTs:

**Note: the "+/-" symbol refer to both drive directions;*

**Note: the values are minimum performance requirements (higher performances are acceptable);*

- Angular travel:
 - pitch axis: +/- 20 °;
 - yaw axis: +/- 40 °;
 - roll axis: continuous;
- Angular precision (all axes): +/- 0.005 °;
- Angular rate:
 - pitch axis: +/- 200 °/s;
 - yaw axis: +/- 300 °/s;
 - roll axis: +/- 7200 °/s;
- Angular acceleration:
 - pitch axis: +/- 1000 °/s²;
 - yaw axis: +/- 3500 °/s²;
 - roll axis: +/- 7200 °/s²;
- Bandwidth (all axes): 20 Hz;

5.2.6.3 Minimal UUT mount performances for Type B UUTs:

**Note: the "+/-" symbol refer to both drive directions;*

**Note: the values are minimum performance requirements (higher performances are acceptable);*

- Angular travel:
 - pitch axis: +/- 20 °;
 - yaw axis: +/- 40 °;
 - roll axis: +/- 90 °;
- Angular precision (all axes): +/- 0.005 °;
- Angular rate:
 - pitch axis: +/- 200 °/s;
 - yaw axis: +/- 300 °/s;
 - roll axis: +/- 200 °/s;
- Angular acceleration:
 - pitch axis: +/- 1000 °/s²;
 - yaw axis: +/- 3500 °/s²;
 - roll axis: +/- 2000 °/s²;
- Bandwidth (all axes): 20 Hz.

INSERT

5.2.6.2 Minimal UUT mount performances for Type A UUTs:

**Note: the “+/-” symbol refer to both drive directions;*

**Note: the values are minimum performance requirements (higher performances are acceptable);*

- Angular travel:
 - pitch axis: +/- 20 °;
 - yaw axis: +/- 40 °;
 - roll axis: continuous;
- Angular precision (all axes): +/- 0.005 °;
- Angular rate:
 - pitch axis: +/- 200 °/s;
 - yaw axis: +/- 300 °/s;
 - roll axis: +/- 7200 °/s;
- Angular acceleration:
 - pitch axis: +/- 1000 °/s²;
 - yaw axis: +/- 3500 °/s²;
 - roll axis: +/- 7200 °/s²;
- Minimum bandwidth (all axes): 20 Hz;

5.2.6.3 Minimal UUT mount performances for Type B UUTs:

**Note: the “+/-” symbol refer to both drive directions;*

**Note: the values are minimum performance requirements (higher performances are acceptable);*

- Angular travel:
 - pitch axis: +/- 20 °;
 - yaw axis: +/- 40 °;
 - roll axis: +/- 90 °;
- Angular precision (all axes): +/- 0.005 °;
- Angular rate:
 - pitch axis: +/- 200 °/s;
 - yaw axis: +/- 300 °/s;
 - roll axis: +/- 200 °/s;

Angular acceleration:

- pitch axis: +/- 1000 °/s²;
- yaw axis: +/- 3500 °/s²;
- roll axis: +/- 2000 °/s²;

Minimum bandwidth (all axes): 20 Hz.

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5.3.7.2 Minimal Scene relay mount performances:

**Note: the "+/-" symbol refer to both drive directions vs. the center axis;*

**Note: the values are minimums performance requirements (higher performances are acceptable);*

**Note: angular values below describe angular motion of the scene produced by the combined action of the 2-mirror set, as viewed from the UUT sensor aperture position (see Fig. 3);*

- Angular travel:
 - azimuth axis: $\pm 8^\circ$;
 - elevation axis: $\pm 8^\circ$;
- Angular precision (all axes): $\pm 0.005^\circ$;
- Angular rate:
 - azimuth axis: $\pm 50^\circ/\text{s}$;
 - elevation axis: $\pm 50^\circ/\text{s}$;
- Angular acceleration:
 - azimuth axis: $\pm 300^\circ/\text{s}^2$;
 - elevation axis: $\pm 300^\circ/\text{s}^2$;

INSERT

5.3.7.2 Minimal Scene relay mount performances:

**Note: the "+/-" symbol refer to both drive directions vs. the center axis;*

**Note: the values are minimums performance requirements (higher performances are acceptable);*

**Note: angular values below describe angular motion of the scene produced by the combined action*

of the 2-mirror set, as viewed from the UUT sensor aperture position (see Fig. 3);

- Angular travel:
 - azimuth axis: $\pm 8^\circ$;
 - elevation axis: $\pm 8^\circ$;
- Angular precision (all axes): $\pm 0.005^\circ$;
- Angular rate:
 - azimuth axis: $\pm 50^\circ/\text{s}$;
 - elevation axis: $\pm 50^\circ/\text{s}$;
- Angular acceleration:
 - azimuth axis: $\pm 300^\circ/\text{s}^2$;
 - elevation axis: $\pm 300^\circ/\text{s}^2$;
- Minimum bandwidth (all axes) 20 Hz

ALL OTHER TERMS AND CONDITIONS OF THE REQUEST FOR PROPOSAL REMAIN UNCHANGED