



## 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

Scientific, Medical and Photographic Division /  
Division de l'équipement scientifique, des produits  
photographiques et pharmaceutiques

11 Laurier St./ 11 rue, Laurier

6B1, Place du Portage

Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> JOINT CBRN GEN. SERVICE RESPIRATOR	
<b>Solicitation No. - N° de l'invitation</b> W8476-155141/C	<b>Amendment No. - N° modif.</b> 025
<b>Client Reference No. - N° de référence du client</b> W8476-155141	<b>Date</b> 2016-10-28
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-867-71135	
<b>File No. - N° de dossier</b> pv896.W8476-155141	<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 2016-11-15</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<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> Beach, Isabelle	<b>Buyer Id - Id de l'acheteur</b> pv896
<b>Telephone No. - N° de téléphone</b> (613) 867-0709 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814
<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/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**PWGSC**  
**Joint CBRN GSR – RFP, Amendment 025**

*This amendment is raised to modify and update the JOINT CBRN GEN. SERVICE RESPIRATOR, Solicitation No. W8476-155141/C, dated 23 June 2016*

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**QUESTION 163:**

Question #150, Amendment #021 Response, CK Filter Testing  
JCG-SRS-1318

The Government's latest response to the CK testing question is confusing from the perspective that the Government acknowledges that constant flow testing and breather flow testing are not equivalent test conditions and that these tests will result in different performance capabilities depending on the test employed. While the Government acknowledges this understanding, the Government has indicated that the current rating criteria for performance will continue to be employed to be fair to all bidders. But this Government approach is not fair.

Under the current scoring criteria Bidders submitting constant flow test results will get a higher rated evaluation than bidders who submit breather flow test results for their filter offering penalising a better performing filter that has been tested in a manner consistent with modern military requirements. This rating position by the Government is a clear biased approach to a rated performance requirement that must be rectified such that all bidders are equally and fairly rated. It may be desired by the Gov't to maintain the current RFP timeline but having a fair rating process is more important and thus this CK rating question is not currently adequately addressed and will result in unfair rating evaluations. The Government needs to take time to complete a better technical review of this CK test requirement and establish a more equitable approach to rating this requirement then allow time for companies to review and comment on the revised approach and complete appropriate product retesting or allow companies time to retest product to the constant flow conditions.

**ANSWER:**

Canada understands that the pulsating flow is a more stringent test than linear flow. Moreover, some bidders may have completed the test using linear flow whereas others may have used pulsating flow. Therefore, whilst the SRS statements remains the same, Canada (within the "Verification Criteria" and "Instructions to Bidders" and "Scoring Scheme") has created separate thresholds for linear flow and pulsating flow as follows:

In Annex A, Appendix AA - System Requirements Specification, page A-AA- 63/272 for JCG-SRS-1318 and at page A-AA- 64/272 for JCG-SRS-1045:

**DELETE:**

The entire text at the specific line in the cell of the "Verification Criteria" column.

**INSERT:**

"Starting with a new Filter Sub-system, out of its Individual Packaging, test using the "Filter Sub-system Chemical Breakthrough Test" under one of the following condition sets:

Condition I – Constant flow:

- a) CK concentration of 4000 +200/-0 mg/m<sup>3</sup>;
- b) Constant flow rate of not less than 50 +/- 1 L/min, in which case not less than 10 minutes of protection is required;
- c) Temperature of 24 +/- 3 °C;
- d) Relative Humidity of 15 +/- 3%; and
- e) Pre-equilibration: none required.

Or

Condition II – Pulsating flow:

- a) CK concentration of 4000 +200/-0 mg/m<sup>3</sup>;
- b) Pulsating flow rate of 0.83 dm<sup>3</sup>/s (50 l/min) having a pulsating pattern characterized by 24 half sine waves of 2.08 dm<sup>3</sup> each followed by an equal period of standstill, per minute, in which case not less than 7 minutes of protection is required;
- c) Temperature of 24 +/- 3 °C;
- d) Relative Humidity of 15 +/- 3%; and
- e) Pre-equilibration: none required.

For either condition, the Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The report is also to describe the statistical validity of the sample size to verify compliance.”

AND

In Annex F - Appendix FD - Phase 2A and Phase 2B - Technical Paper Evaluation Compliance Matrix, for JCG-SRS-1318, and for JCG-SRS-1045:

DELETE:

The entire text in the cell of the “Instructions to Bidder” column.

INSERT:

“Starting with a new Filter Sub-system, out of its Individual Packaging, test using the "Filter Sub-system Chemical Breakthrough Test" under one of the following condition sets:

Condition I – Constant flow:

- a) CK concentration of 4000 +200/-0 mg/m<sup>3</sup>;
- b) Constant flow rate of not less than 50 +/- 1 L/min, in which case not less than 10 minutes of protection is required;
- c) Temperature of 24 +/- 3 °C;
- d) Relative Humidity of 15 +/- 3%; and
- e) Pre-equilibration: none required.

Or

Condition II – Pulsating flow:

- a) CK concentration of 4000 +200/-0 mg/m<sup>3</sup>;
- b) Pulsating flow rate of 0.83 dm<sup>3</sup>/s (50 l/min) having a pulsating pattern characterized by 24 half sine waves of 2.08 dm<sup>3</sup> each followed by an equal period of standstill, per minute, in which case not less than 7 minutes of protection is required;
- c) Temperature of 24 +/- 3 °C;
- d) Relative Humidity of 15 +/- 3%; and
- e) Pre-equilibration: none required.

For either condition, the Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The report is also to describe the statistical validity of the sample size to verify compliance.”

AND

In Annex A, Appendix AA, page A-AA- 64/272 for JCG-SRS-4819:

DELETE:

The entire text at the specific line in the cell of the “Verification Criteria” column.

INSERT:

"This test can be performed in conjunction with JCG - SRS - 1318. Using the same test procedure, the same choice of conditions sets (Condition I – Constant flow, or Condition II – Pulsating flow), as described in JCG - SRS – 1318, the Bidder is to prove protection lasting more than 10 minutes and up to at least 60 minutes in the case of Constant flow; or prove protection lasting more than 7 minutes and up to at least 42 minutes in the case of Pulsating flow.

Points will be awarded after normalisation, in the case where Condition I – Constant flow was used, then the awarded points will be:

Breakthrough Time 10 to 60 minutes

Minimum Points: 0 Points:  $\leq 10$  min

Maximum Points:  $\geq 60$  min

Prorated Points between 10 min to 60 min:

Bidder's Points = (Bidder's Breakthrough Time - 10) \* Max Points / (60 - 10).

In the case where Condition II – Pulsating flow was used, then the awarded points will be:

Breakthrough Time 7 to 42 minutes

Minimum Points: 0 Points:  $\leq 7$  min

Maximum Points:  $\geq 42$  min

Prorated Points between 7 min to 42 min:

Bidder's Points = (Bidder's Breakthrough Time - 7) \* Max Points / (42 - 7).

The Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The report is to describe the statistical validity of the sample size to verify compliance. This test report can be combined with requirement JCG - SRS - 1318.

In Annex A, Appendix AA, page A-AA- 65/272 for JCG-SRS-4820:

DELETE:

The entire text in "Verification Criteria" column.

INSERT:

"This test can be performed in conjunction with JCG - SRS - 1045. Using the same test procedure, the same choice of conditions sets (Condition I – Constant flow, or Condition II – Pulsating flow), ageing and rough handling as described in JCG - SRS - 1045, the Bidder is to prove protection lasting more than 10 minutes and up to at least 60 minutes in the case of Constant flow; and prove protection lasting more than 7 minutes and up to at least 42 minutes in the case of Pulsating flow.

Points will be awarded after normalisation, in the case where Condition I – Constant flow was used, then the awarded points will be:

Breakthrough Time 10 to 60 minutes

Minimum Points: 0 Points:  $\leq 10$  min

Maximum Points:  $\geq 60$  min

Prorated Points between 10 min to 60 min:

Bidder's Points = (Bidder's Breakthrough Time - 10) \* Max Points / (60 - 10).

In the case where Condition II – Pulsating flow was used, then the awarded points will be:

Breakthrough Time 7 to 42 minutes

Minimum Points: 0 Points:  $\leq 7$  min

Maximum Points:  $\geq 42$  min

Prorated Points between 7 min to 42 min:

Bidder's Points = (Bidder's Breakthrough Time - 7) \* Max Points / (42 - 7).

The Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The

report is to describe the statistical validity of the sample size to verify compliance. This test report can be combined with requirement JCG - SRS - 1045.

AND

In Annex F - Appendix FD - Phase 2A and Phase 2B - Technical Paper Evaluation Compliance Matrix, for JCG-SRS-4819:

DELETE:

The entire text in the cell of the "Instructions to Bidder" column.

INSERT:

"This test can be performed in conjunction with JCG - SRS - 1318. Using the same test procedure, the same choice of conditions sets (Condition I – Constant flow, or Condition II – Pulsating flow), the Bidder is to prove protection lasting more than 10 minutes and up to at least 60 minutes in the case of Constant flow; or prove protection lasting more than 7 minutes and up to at least 42 minutes in the case of Pulsating flow.

The Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The report is to describe the statistical validity of the sample size to verify compliance. This test report can be combined with requirement JCG - SRS - 1318."

Also

DELETE:

The entire text in the cell of the sub-column "Status".

INSERT:

If "Condition I – Constant flow" was used:

Breakthrough Time 10 to 60 minutes

Minimum Points: 0 Points:  $\leq 10$  min

Maximum Points:  $\geq 60$  min

Prorated Points between 10 min to 60 min:

Bidder's Points =  $(\text{Bidder's Breakthrough Time} - 10) * \text{Max Points} / (60 - 10)$ .

If "Condition II – Pulsating flow" was used:

Breakthrough Time 7 to 42 minutes

Minimum Points: 0 Points:  $\leq 7$  min

Maximum Points:  $\geq 42$  min

Prorated Points between 7 min to 42 min:

Bidder's Points =  $(\text{Bidder's Breakthrough Time} - 7) * \text{Max Points} / (42 - 7)$ .

AND

In Annex F - Appendix FD - Phase 2A and Phase 2B - Technical Paper Evaluation Compliance Matrix, for JCG-SRS-4820:

DELETE:

The entire text in the cell of the column "Instructions to Bidder".

INSERT:

"This test can be performed in conjunction with JCG - SRS - 1045. Using the same test procedure, the same choice of conditions sets (Condition I – Constant flow, or Condition II – Pulsating flow), ageing and rough handling as described in JCG - SRS - 1045, the Bidder is to prove protection lasting more than 10 minutes and up to at least 60 minutes in the case of Constant flow; and prove protection lasting more than 7 minutes and up to at least 42 minutes in the case of Pulsating flow

The Test Report is to be presented to Canada detailing the test procedure and results, including the ambient conditions that satisfy the time duration to exceed the End-Point Concentration of the agent. The report is to describe the statistical validity of the sample size to verify compliance. This test report can be combined with requirement JCG - SRS - 1045."

**DELETE:**

The entire text in the cell of the column "Scoring Scheme", sub-column "Status".

**INSERT:**

If "Condition I – Constant flow" was used:

Breakthrough Time 10 to 60 minutes

Minimum Points:

0 Points:  $\leq 10$  min

Maximum Points:  $\geq 60$  min

Prorated Points between 10 min and 60 min:

Bidder's Points =  $(\text{Bidder's Breakthrough Time} - 10) * \text{Max Points} / (60 - 10)$ .

If "Condition II – Pulsating flow" was used:

Breakthrough Time 7 to 42 minutes

Minimum Points:

0 Points:  $\leq 7$  min

Maximum Points:  $\geq 42$  min

Prorated Points between 7 min and 42 min:

Bidder's Points =  $(\text{Bidder's Breakthrough Time} - 7) * \text{Max Points} / (42 - 7)$ .

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