



## 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> 021
<b>Client Reference No. - N° de référence du client</b> W8476-155141	<b>Date</b> 2016-10-06
<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 2016-10-31</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 021**

*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 149:**

JCG-SRS-4816  
(Nerve Agent Testing)

In regards to the Government's response at Amendment #011, Question 118, the Government has stated that filters tested with DMMP at 3,000 mg/m<sup>3</sup> must have a longer break time (100 minutes versus 75 minutes). However, this elevated break time is contrary to documented test research as recognized in current military filter specifications. DMMP testing was developed in order to establish a safer method of testing filters for nerve agent capabilities. To that end, DMMP at 3,000 mg/m<sup>3</sup> demonstrated a clear capability to validate performance capabilities of filters in direct comparison to GB testing at 4,000 mg/m<sup>3</sup>. Although DMMP is challenged at 3,000 mg/m<sup>3</sup>, this lower challenge concentration does not mean that the filter will last longer. It is requested that the Government maintain the DMMP break time at 75 minutes even with the DMMP challenge concentration at 3,000 mg/m<sup>3</sup>.

**ANSWER:**

Canada misinterpreted the problematics addressed at Question 118. Therefore, Canada modifies its amendment that was introduced by its answer to Question 118, Amendment #011.

Annex A, Appendix AA, Page A-AA- 59/272, for JCG – SRS – 4816, in the column "Verification Criteria" the starting note amended at Amendment #011 needs to be modified.

**DELETE:**

Note: that Dimethyl Methylphosphonate (DMMP) may replace GB for this test. If the 4 000 mg/m<sup>3</sup> concentration cannot be achieved with DMMP, using a concentration of 3000 + 150/-0 mg/m<sup>3</sup> is acceptable but the 75 minutes protection time stated in the requirement is to be modified such that it is not less than 100 min.

**INSERT:**

Note: that Dimethyl Methylphosphonate (DMMP) may replace GB for this test using a concentration of 3000 + 150/-0 mg/m<sup>3</sup> with the break time of 75 minutes.

**AND**

In Annex F, Appendix FD, page 2/12, for JCG – SRS – 4816, in the column "Instructions to Bidder" the starting note needs to be modified.

**DELETE:**

Note: that Dimethyl Methylphosphonate (DMMP) may replace GB for this test.

**INSERT:**

Note: that Dimethyl Methylphosphonate (DMMP) may replace GB for this test using a concentration of 3000 + 150/-0 mg/m<sup>3</sup> with the break time of 75 minutes.

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**QUESTION 150:**

JCG-SRS-1318

(CK Filter Testing), Amendment #016, Question 140

The Government has now identified that CK testing can be completed using either constant flow or pulsating flow conditions. It is agreed as per Amendment #013 Question 79 that pulsating flow should be the standard test requirement rather than constant flow as pulsating flow represents the user's breathing pattern. The peak velocity of pulsating air flow is harsher on the carbon bed versus constant flow conditions at the same minute-volume. Pulsating flow has been adopted by all major militaries around the world as it has proven to provide a superior and more reliable indication of bed integrity especially after aging and rough handling. In addition, pulsating flow provides a better indication of the sorbent's reactivity to remove CK. Thus, pulsating flow is a more challenging CK test as opposed to constant flow and that is why historical military standards use pulsating flow to validate CK performance.

Due to the difference in these two test flow conditions, filters will demonstrate different durations in break time performance. Filters tested under constant flow conditions will have a longer break capability than the same filters tested under pulsating flow conditions at the same minute-volume but may not perform as well in a real world environment and constant flow may not pick up all the flaws in a filter design. Although the Government will now accept test results for either test flow condition, it should note these are not equivalent test conditions and CK break results cannot be scored using the same mandatory 10 minute minimum. Filters tested under constant flow conditions must achieve a longer minimum break time. The Government must increase the constant flow minimum break time or establish a shorter pulsating flow minimum break time.

**ANSWER:**

Canada agrees with the observation presented, but in order to be fair to all bidders and maintain the current RFP timeline Canada will not alter its response to Question 140, Amendment #016, in that Canada is prepared to accept either the pulsating or linear flow for JCG-SRS-1318 and JCG-SRS-1045.

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**QUESTION 151:**

JCG-SRS-708

(TIC Filter Testing)

The government has included arsine under the TIC category of protection. This is somewhat unusual as arsine has always been included under military threats similar to cyanogen chloride and hydrogen cyanide. Based on this historical categorization of arsine, what is the government's reason for putting arsine under the Rated category of TICs? It is suggested that arsine should be a mandatory military threat requirement.

**ANSWER:**

Canada understands that arsine is also classified under the military threat chemical agent. That said, Canada does not wish to change this requirement at this late time in the bid submission preparation.

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**QUESTION 152:**

JCG-SRS-708

TIC Filter Testing

Can the government please explain what the expectation is in regards to TIC protection? Test reports will be provided to document the duration of protection that can be offered for these various threats and thus a final breakthrough will be reported. What is the government's expectation in regards to this full break end point and how will it be used in the determination of the rated score?

**ANSWER:**

The end-point concentration for each test gas is given in Attachment AA2, which specifies the test concentration and the end-point concentration that is used to determine the duration of protection (breakthrough time); once the end-point concentration is exceeded, the item is considered to no longer protect. The bidder is expected to indicate the claimed breakthrough time in each case with respect to how it satisfies the scoring.

As indicated in the following scoring scheme, breakthrough times of > 10 minutes and > 30 minutes are scored, taking into consideration performance at both RH conditions:

Per test Gas:

one thirty-second (1/32) of max score > 10 min at one RH condition

one sixteenth (1/16) of max score > 10 min at both RH conditions

one eighth (1/8) of max score > 30 min at both RH conditions

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**QUESTION 153:**

Annex A,  
JCG-SRS-4333  
and  
JCG-SRS-4334

The Government has identified that these two (2) requirements as Rated. It is our opinion that these requirements should actually be Mandatory. This information is vitally important to the operational use of the filters and is critical to the Life Cycle Management of the filters. Without this information, the Government would be severely handicapped in managing operational concerns. Having these requirements as Rated could result in the Government not having this important information on the filters.

**ANSWER:**

As pointed out and as has been confirmed by the project office Integrated Logistic Support specialists, manufacturing lot number and the NSN are crucial pieces of information for the life cycle management of the canisters.

Canada agrees that these two requirements should have been mandatory. Therefore, the following amendments are necessary to ensure a good quality assurance and quality control of the canisters is achievable.

Annex A, Appendix AA, Page A-AA- 84/272, for JCG – SRS – 4333 and 4334, in the columns “Joint CBRN GSR System Requirements Specification (SRS)” and “Verification Phase” the following amendment is required.

**For JCG – SRS – 4333**

DELETE:

“The Canister should be permanently labelled with its manufacturing lot number.” and “Phase 2B Rated”

INSERT:

“The Canister must be permanently labelled with its manufacturing lot number.” and “FCA”

**For JCG – SRS 4334**

**DELETE:**

“The Canister should be permanently labelled with its NATO Stock Number (NSN).” and “Phase 2B Rated”

**INSERT:**

“The Canister must be permanently labelled with its NATO Stock Number (NSN).” and “FCA”

**AND**

In Annex F, Appendix FD, page 12/12, for JCG – SRS – 4333, in the columns “Requirement Statements”, “Evaluation Criteria Type (Mandatory / Mandatory Rated / Rated)”, and “Scoring Scheme” the following amendment is required.

**For JCG – SRS – 4333**

**DELETE:**

“The Canister should be permanently labelled with its manufacturing lot number.”, and “Rated”, and “11”, and “Max points for compliance”

**INSERT:**

“The Canister must be permanently labelled with its manufacturing lot number.”, and “Mandatory”, and “Nil”, and “PASS/FAIL”

**For JCG – SRS 4334**

**DELETE:**

“The Canister should be permanently labelled with the NSN.”, and “Rated”, and “11”, and “Max points for compliance”

**INSERT:**

“The Canister must be permanently labelled with its NSN.”, and “Mandatory”, and “Nil”, and “PASS/FAIL”

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**QUESTION 154:**

Annex F,

3.4.1

At reference sub-paragraph “a” Canada identified Bidders’ requirements for Phase 2C deliverable shipping address. That said, Canada should have requested that Bidders provide the shipping details in order to have the Logistic Support Squadron ready to receive the shipment.

**ANSWER:**

Canada is amending reference paragraph to add information indicating to Bidders to provide the shipping details once Phase 2C deliverables have been shipped to the Logistic Support Squadron in Kingston.

In Annex F, 3.4.1, add the following sub-paragraph:

**INSERT:**

“e. Bidders are requested to send shipping details to Contracting Authority, E-mail address [Isabelle.Beach@tpsgc-pwgsc.gc.ca](mailto:Isabelle.Beach@tpsgc-pwgsc.gc.ca).”

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**QUESTION 155:**

Annex A,  
Appendix AA,  
JCG-SRS-1374

After review and analysis of the requirements on ballistic protection for the Mask Ocular, it was determined that SRS JCG – SRS – 210 is the more stringent ballistic test which therefore makes SRS JCG – SRS – 1374 superfluous.

**ANSWER:**

Amendment to the English version of Annex A, Appendix AA and of Annex F, Appendix FF.

Delete JCG – SRS – 1374 from the System Requirement Specification and from the Compliance Matrix.

**DELETE:**

Whole JCG –SRS – 1374 row in Annex A, Appendix AA, page A-AA- 72/272.

**INSERT:**

Nil

AND

**DELETE:**

Whole JCG –SRS – 1374 row at Annex F, Appendix FF, page 1/5.

**INSERT:**

Nil

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