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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  
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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> 018
<b>Client Reference No. - N° de référence du client</b> W8476-155141	<b>Date</b> 2016-09-26
<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 at - à 02:00 PM on - le 2016-10-31</b>	<b>Time Zone</b> Fuseau horaire 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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

**PWGSC**  
**Joint CBRN GSR – RFP, Amendment 018**

*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 141:**

Annex A,  
Appendix AA, and Appendix FJ,

JCG - SRS - 1426, 244, 1427, 901, 1392. Appendix FJ states the use of an "ISO 16976-2 standard headform".

We believe this to be incorrect, as ISO 16976-2 is a standard that defines 3D CAD data generated from an anthropometric study. The standard referring an 'ISO standard headform' is ISO 16900-5.

Additionally, ISO 16900-5 was officially released 01 July 2016 (after bid release).

We also note that the sheffield head is acceptable for the inward leakage test (JCG - SRS - 4786), which also makes reference to the ISO 16976-2 standard as an acceptable alternative.

We request that any reference to ISO standard headforms be listed with an "or equivalent" option, to which the EN 136 'Sheffield Headform' defined in EN 136: 1998 should be classed equivalent.

**ANSWER:**

The headform has been produced by the Crown using the anthropometry given in 16976-2. It has not been produced based on 16900-5. As the tests are to be performed by the Crown, the statement in Table 2 - Phase 2D Demonstration and Test Evaluation, , for "Air flow resistance and collapse", under column "Test Summary", the statement "The Respirator is placed on an ISO 16976-2 standard headform and the..." is correct as it stands.

Therefore, Canada considers that there is no need to have the EN 136:1998 as an equivalent. The tests performed by the Crown are performed using the headform stated above.

Canada agrees with your note, which refers to the Sheffield headform mentioned in JCG – SRS – 4786.

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**QUESTION 142:**

Annex A,  
Appendix AA,  
JCG – SRS – 3157

JCG - SRS - 3157 defines the use of a 180 mm square test plaque. What is the significance of this size, and do Canada have objections to alternative plaque sizes.

**ANSWER:**

Canada has no objection to alternative plaque sizes as long as the plaque size is not smaller than 40 mm x 40 mm.

Therefore, Canada amends Annex A, Appendix AA, page A-AA- 36/272, JCG – SRS – 3157, sub-paragraph a, under column "Joint CBRN GSR System Requirements Specification (SRS)" as follows:

DELETE:

a. Cut flat test specimens 180 mm square. Measure and record the thickness of each specimen.

INSERT:

a. Cut flat test specimens of at least 40 mm x 40 mm or larger. Measure and record the thickness of each specimen.

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**QUESTION 143:**

Annex A,  
Appendix AA,  
JCG - SRS – 1346

The specification defines the use of EN 136, Section 7.15.4.2, which in turn refers the pass/fail criteria for 7.16 (a 10mbar vacuum, with pressure change of not more than 1 mbar over 1 minute).

Canada then stipulate that "The standard calls for 8.12.2 but 8.12.1 will be attained instead as 8.12.2 is missing measurable value.". 8.12.1 then refers a negative pressure of 80 mbar. Can Canada confirm what the pass/fail criteria is, as the 80 mbar value appears to apply to the testing of the inhalation/exhalation valve only, which is not the purpose of the test as written in 7.16.

If it is to be read that Canada wishes the 10mbar vacuum to be increased to 80mbar, then we note that the CAF leak tester requires only a vacuum of maximum 85mm water to demonstrate seal integrity. For reference, 80mbar ~815mm H<sub>2</sub>O, almost 10 times higher than the maximum CAF leak tester requirement.

Furthermore, JCG - SRS - 1345 requires a vacuum of 10mbar be used in the leaktightness assessment of the canister attachment port and employs the method of EN 136, 7.16, which is consistent with the method employed by EN 136, 7.15.4.2.

We request that the 80mbar vacuum is removed to be consistent with all of the other leak test requirements, or please explain the justification for the 80 mbar vacuum?

**ANSWER:**

Your comments are valid. A mistake was introduced in the "Verification Criteria" with the wording of the last sentence.

Therefore, in Annex A, Appendix AA, page A-AA- 86/272, JCG – SRS - 1346, column "Verification Criteria", the last sentence needs to be deleted.

AND

In Annex F, Appendix FD, page 4/12, JCG – SRS – 1346, column "Instructions to Bidder", the last sentence needs to be deleted.

DELETE:

"The standard calls for 8.12.2 but 8.12.1 will be attained instead as 8.12.2 is missing measurable value."

INSERT:

Nil

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**QUESTION 144:**

DID ILS-205,  
Page A-AC-190/272  
And

Annex A, App AC, Attachment AC1

In DID ILS-205 under para 10.2.3, it states an assumed usage rate of a hundred (100) hrs per year for the Joint CBRN GSR system. However, in Annex A, App AC, Attachment AC1 column L states a usage rate of 25 hrs per year for each system. Can Canada confirm the planned usage rate for the system?

**ANSWER:**

Upon further review of the information provided in Appendix AE – Maintenance and Support Concept, table 4-1, Canada

Is revising the 100 hrs/yr information in ILS-205 paragraph 4.2.3 to read 25 hrs/yr of usage rate for the preparation of the PPB/RSPL. Therefore, the following amendment is required in DID ILS-205, paragraph 10.2.3

**DELETE:**

“...hundred (100) hrs per year.”

**INSERT:**

“...twenty-five (25) hrs per Joint CBRN GSR for an average of 60600 Joint CBRN GSR used per year.”

Further, with respect to column “L”, as per DID ILS-205 under para 10.2.3, assume usage rate of twenty-five (25) hrs per year per Joint CBRN GSR for an average of 60600 Joint CBRN GSR used per year. To facilitate to production of the required PPB/RSPL under Annex F, Appendix FB, line FB-M-14 where it is stated that “The Bidder must provide a proposed Provisioning Parts Breakdown (PPB)/Recommended Spare Parts List (RSPL).”, the following amendment is conducted in Annex A, Appendix AC, Attachment AC1:

**DELETE:**

“Attachment AC1 - Sample Provisioning Parts Breakdown / Recommended Spare Parts List (PPB/RSPL)” in its entirety

**INSERT:**

The new “Attachment AC1 - Sample Provisioning Parts Breakdown / Recommended Spare Parts List (PPB/RSPL)”

See attached Annex A – Appendix AC – Attachment AC1 – Sample PPB-RSPL

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**QUESTION 145:**

Annex A,  
Appendix AA,  
JCG – SRS – 1341

Canadian Joint CBRN GSR requirement JCG-SRS-1341 required that testing be performed in accordance with MIL-DTL-43511D Section 4.4.5. Section 4.4.5 is the requirement for Optical Distortion of Critical Areas. We believe that this is a typographical error, and should be Section 4.4.1 Prismatic Deviation Test instead.

**ANSWER:**

Canada concurs. It is a typographical error. The following amendments are required:

For Annex A, Appendix AA, page A-AA- 76/272, JCG – SRS – 1341, under “Verification Criteria” column:

AND

For Annex F, Appendix FD, page 6/12, JCG – SRS – 1341, under “Instructions to Bidder” column:

DELETE:

“These performance characteristics are to be met when tested in accordance with MIL-DTL-43511D Section 4.4.5:

Any equivalency claim is to be demonstrated by the Bidder.”

INSERT:

These performance characteristics are to be met when tested in accordance with MIL-DTL-43511D.

Any equivalency claim is to be demonstrated by the Bidder.

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**QUESTION 146:**

Annex A,  
App AB,  
CDRL 218

Regarding CDRL 218 (Operator’s Manual): As currently laid out in CDRL 218, the submittal and review process for the Operator Manual includes 6 separate rounds of submissions by the contractor and reviews by Canada. Could Canada please confirm that each subsequent review (not including the verification at FCA/PCA) would only be conducted against the comments generated on previous submittals (i.e. that subsequent reviews would not result in comments on previously uncommented, thus accepted, wording)?

**ANSWER:**

Negative, DND will provide comments on the whole unilingual (English) Operator’s Manual within five (5) WDs following ICT 1 and ICT 2.

ICT 1 and ICT 2 are two key activities to carry out last minute changes based on the experience gained during ICTs.

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Annex A - Acquisition Statement of Work, Appendix AC - Data Item Description, Attachment AC1 - Sample Sample Provisioning Parts Breakdown and Recommended Spare Parts List

Document Number: W8476-155141  
RDIMS # 4203411

DID-LS-205 PPB, RSPL, and LLT

Date: \_\_\_\_\_

Item #	Indenture Code	Item Name	Drawing Number	Supplier Part No.	OEM Part No. (if different from Supplier)	Cage Code	NATO Stock Number (NSN)	QTY Per Assy	Unit of Issue (UOI)	LLT (Days)	Recommended 2 year buy quantity for total usage rate of 1498800 hrs/yr ( 25 hrs/yr per system for 60600 systems)	Recommended buy quantity for total of spares for 2 years	Repairability Repairable [R] Nonrepairable [NR]	MTBF (Hours)	Demilitarization code (DMC)	Shelf Life (Yrs)	Contains Hazardous Materials	Unit Cost (\$ CAD)	Total Cost (\$ CAD) for 2 Yr Supply
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
TOTAL COST																			\$0.00