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Bid Receiving - PWGSC / Réception des soumissions -  
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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  
L'Esplanade Laurier  
140 O'Connor Street,  
East Tower, 7th Floor  
Ottawa  
Ontario  
K1A 0S5

<b>Title - Sujet</b> RADIATION DETECTION SYSTEM	
<b>Solicitation No. - N° de l'invitation</b> W8486-228166/A	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> W8486-228166	<b>Date</b> 2022-03-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$\$PV-961-80890	
<b>File No. - N° de dossier</b> pv961.W8486-228166	<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> Eastern Daylight Saving Time EDT <b>on - le 2022-04-07</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bellerdine(pv961), Chad	<b>Buyer Id - Id de l'acheteur</b> pv961
<b>Telephone No. - N° de téléphone</b> (613) 323-0178 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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>

Amendment 007 has been raised to modify the Request for Proposal (RFP) and publish all answers to questions received to-date.

**A. QUESTIONS AND ANSWERS**

**Q1.** Requirement A2.1.2: V-H system can be powered from batteries or vehicle power; Can Canada provide a drawing for the Bendix 9210 71-573127-98S specified in the requirement so we verify that we can supply a compatible adapter?

**A1.** Yes there is a drawing available. Please contact the PSPC representative listed on the Notice of Proposed Procurement and the cover page of this amendment.

**Q2.** Requirement A2.1.16/A3.1.16: Have display in either Canadian English or Canadian French, selectable within the settings menu; Is American English Acceptable?

**A2.** Yes American English is acceptable.

**Q3.** Requirement A2.2.9/A3.2.10: Angular Dependence; Based on the industrial design of the Base Unit and how the detectors are oriented, the Base Unit does not meet ANSI through the handle. It is unlikely that a trained user would ever hold the unit upside down and expect it to meet ANSI. Would the following language added to the end of the requirement be acceptable: Angles at which the radiation source would be obscured by a user during normal use do not apply (for example, through a handle)?

**A3.** This is acceptable. See RFP amendment below.

**Q4.** Requirement A2.2.10/A3.2.11: Built-in background subtraction feature; No built-in background subtraction features exist. Discussions with health physicists have always resulted in explicit direction to NOT include background subtraction because it makes it difficult to compare data between instruments during post-processing. While this feature could be provided with a simple firmware update, the behavior and performance of this feature needs to be better specified. Alternatively, is Canada OK with a system that does not have this feature?

**A4.** Absence of a background subtraction feature is acceptable, but may incur a penalty under "Quality and readability of the resultant data" during Phase II scoring

**Q5.** Requirement A3.6.2: Telescoping Handle length; The existing telescoping handle length is 0.96m collapsed. Is a 1m collapsed telescoping pole acceptable?

**A5.** A telescoping handle of less than 1m is acceptable, but related evaluation scores will suffer for larger handles and associated carrying cases.

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- Q6.** Requirement A3.7.1: Carrying pouch must simultaneously carry RDS H-H BU, set of batteries, two RDS probes, and all associated cables; The proposed system uses two pouches to accomplish all of these things. Both pouches are MOLLE compatible and can easily be attached to a solder. Must all of this be accomplished in a single pouch, or are two pouches acceptable?
- A6.** Multiple pouches is acceptable.
- Q7.** Requirement A6.2.1 The alpha channel must have an alpha response at least 100 times its response to a beta source at similar energy; The purpose of this requirement is to ensure that there is a limit on the number of beta particles that are presented as alphas. Would the following requirement wording be acceptable: "Fewer than 1% of betas shall be reported in the alpha channel."
- A7.** Yes this is acceptable. See RFP amendment below.
- Q8.** Requirement A7.2.4: HSGP beta dose rate between 50nSv/h and 50mSv/hr; is the specification supposed to be for a gamma dose rate between 50nSv/h and 50mSv/h?
- A8.** Correct, A7.2.4 should specify "gamma dose rate" not "beta dose rate".
- Q9.** Is Canada open to increasing the minimum guaranteed number of units over the initial 5 year contract period to take advantage of the cost savings?
- A9.** No. However, with Canada's plan to exercise options in the following year(s), the presence of volume discounts is encouraged.
- Q10.** If the bidder is successful in Phase 1, what is the lead Canada requires the bidder to deliver Phase 2 evaluation units? It was not stated in the RFP.
- A10.** As per Solicitation Amendment 003 (RFP Modification B6), Units for Functional Evaluation must be delivered within 3 months of the Solicitation closing date (after receiving the separate contract noted below).
- Q11.** Phase 2 Evaluation: How long does Canada intend to evaluate the units in the field?
- A11.** It is estimated that the phase 2 evaluations will take approximately 45 calendar days.
- Q12.** RDS-ILS-116 requires the bilingual RDS Kit List to be submitted 90 days prior to the PCA. Per the CDRL, the DND will indicate when the guide is acceptable for translation into Canadian French and the French version is subjected to a review cycle. All of the other bilingual deliverables only required the English version to be submitted prior to the PCA. Did Canada mean to say that the

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'unilingual (Canadian English) RDS Kit List must be submitted for review 90 Working Days (WD) prior to the PCA or First Article Inspection? Can the first submission be unilingual?

**A12.** This is correct. Unilingual Canadian English is required first, not bilingual.

**Q13.** It is noted that the requirement does not offer exchange rate fluctuation risk mitigation however RFP W8486-228166 does not appear to include specific instructions to bidders regarding currency. Will Canada accept pricing in USD?

**A13.** Bids can be submitted in USD. However, for evaluation purposes all bid prices will be converted to CAD using the Fx rate on the day of bid closing.

**Q14.** In SOW Reference A2.2.7, A3.2.8 and A4.2.7, the mandatory performance for the Vehicle-Mounted System, Hand-Held Base Unit and the Beta/Gamma Probe is having a dose rate accuracy of  $\pm 20\%$  within 80% of the operational range (for gamma energies between 60 keV and 1.2 MeV). Based on performance and military requirements, Geiger-Müller tubes offer the best solution for these applications, however, the lead filter required for energy compensation over the performance range results in a sharp drop-off of sensitivity at lower energy ranges (between 60-80KeV). Based on these limitations of physics;

- a) Will Canada consider changing the accuracy requirements to  $\pm 20\%$  over a range of 80KeV to 1.2MeV?
- b) Alternately, will Canada consider focusing on a range that includes 60-80KeV, but would require a substantially broader accuracy deviation than the requested  $\pm 20\%$  as specified in SOW A2.2.7, A3.2.8, and A4.2.7?

**A14.** Suggestion a) above is acceptable. See RFP amendment below.

**Q15.** Regarding Annex A, Appendix 2 (A2.1.16) & Appendix 3 (A3.1.16), Please advise if Canadian French selectable language option installed in the RDS is a mandatory requirement to comply with the technical specs.

**A15.** As per the requirement, by the time of final acceptance both systems must have selectable English and French display options.

**B. RFP MODIFICATIONS**

**B1. At ANNEX A, A2.2.10 & A3.2.11**

**INSERT:**

While this feature is desirable, it is not required.

**B2. At ANNEX A, A3.6.2**

**DELETE** in its entirety:

**INSERT** the following:

A3.6.2 Be equal to or less than one meter long.

**B3. At ANNEX A, A6.2.1**

**DELETE:**

- The alpha channel must have an alpha response at least 100 times its response to a beta source at similar energy; and

REPLACE with the following:

- Fewer than 1% of betas shall be reported in the alpha channel;

**B4. At ANNEX A, A7.2.4**

**DELETE** and **REPLACE** with the following:

**A7.2.4** Detect a gamma dose rate between 50nSv/h and 50mSv/h (the operational range).

**B5. At ANNEX A, A2.2.9 and A3.2.10**

**INSERT** the following:

Angles at which the radiation source would be obscured by a user during normal use do not apply.

**B6. At ANNEX A, A2.2.7;**

**DELETE** and **REPLACE** with the following:

**A2.2.7** Have a dose rate accuracy of  $\pm 20\%$  within 80% of the operational range (for gamma energies between 80 keV and 1.2 MeV).

At **ANNEX A, A3.2.8**;

**DELETE** and **REPLACE** with the following:

A3.2.8 Have a dose rate accuracy of  $\pm 20\%$  within 80% of the operational range (for gamma energies between 80 keV and 1.2 MeV).

At **ANNEX A, A4.2.7**;

**DELETE** and **REPLACE** with the following:

A4.2.7 Have a gamma dose rate accuracy of  $\pm 20\%$  within 80% of the operational range (for gamma energies between 80 keV and 1.2 MeV).

**B7.** At **Part 7** of the Request for Proposal;

REMOVE Article 7.20 - Preparation for Delivery - Canadian-based Contractor; and

REMOVE Article 7.20 - Preparation for Delivery - United States-based Contractor

in their entirety.

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