



**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  
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> 002
<b>Client Reference No. - N° de référence du client</b> W8486-228166	<b>Date</b> 2022-02-01
<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 Standard Time EST <b>on - le 2022-03-07</b> Heure Normale du l'Est HNE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input 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>

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Amendment 002 has been raised to modify the Request for Proposal (RFP) and publish all answers to questions received to-date.

**A. QUESTIONS AND ANSWERS**

- Q1.** Annex D, Section 2.1.4, SOW Reference A4.1.11, A5.1.11, A6.1.11, A7.1.12, A8.1.10 – A7.1.12 does not exist. Should the reference be A7.1.11?
- A1.** Annex D, Section 2.1.4 has been modified. Please see below.
- Q2.** Annex D, Section 2.1.4, SOW Reference A4.1.11, A5.1.11, A6.1.11, A7.1.12, A8.1.10 – A8.1.10 does not appear to be the correct reference. Should the reference be A8.1.12?
- A2.** Annex D, Section 2.1.4 has been modified. Please see below.
- Q3.** Annex D, Section 2.1.4, SOW Reference A2.2.7, A3.2.8, A4.2.7 – the Key Parameter description of 1.33MeV does not match the reference SOW of 1.2MeV. Please confirm if the requirement is 'between 60keV and 1.33MeV' or 'between 60keV and 1.2MeV'.
- A3.** Annex D, Section 2.1.4 has been modified. Please see below.
- Q4.** Annex D, Section 2.1.5 – When is the supporting documentation in Annex D, Section 2.2 for Phase I required to be sent to the address provided?
- A4.** Supporting documentation should be received by the time of bid closing.
- Q5.** Annex D, Section 3 – To provide a better understanding of the timeline for Phase II, please advise the number of days after the solicitation close date that the contract for procurement for evaluation is expected to be issued.
- A5.** This depends on how many bids are received. Contracts for Functional Evaluation(s) are expected to be issued approximately 30 days after bid closing.

**B. RFP MODIFICATION**

- B1.** At **ANNEX D – BID EVALUATION PLAN**, delete section 2.1.4 in its entirety and replace with the following:

2.1.4 The Key Performance parameters that will be assessed during Phase I are limited to:

SOW Reference	Brief Description
A1.1.1	System is employed by a NATO military.
A2.1.1	Physically mountable in CAF vehicles. (Vehicle-Mounted systems only) Must provide printable 3D files of all hardware proposed for inclusion in the vehicle (not including cabling and connectors) – preferred file formats are STL or OBJ/AMF.
A4.1.11 A5.1.11 A6.1.11 A7.1.11 A8.1.12	'Hot Swappable' (Interchangeability) of any probe with a like probe and the preservation of calibration data. This does not apply to Vehicle-Mounted systems even if that system employs a probe.
A2.2.7 A3.2.8 A4.2.7	Have a gamma dose rate accuracy of $\pm 20\%$ within 80% of the operational range (for gamma energies between 60 keV and 1.2 MeV).
A2.2.4 & B3.2.5	Detect, display, and record a dose rate between 50nSv/h and 100Sv/h.
A5.2.5	Be capable of an MDC of 120 Bq/cm <sup>2</sup> for C-14 at a static source-to-probe separation of 3 mm from a uniformly contaminated surface, within 30 seconds.
A5.2.7	Have a relative intrinsic error of no more than 30% for all beta reference isotopes in Table 3 of ANSI N42.17A, above 300keV.
A6.2.4	Detect alpha radiation between 3MeV 6MeV.
A6.2.5	Detect beta radiation between 150keV and 5MeV.
A6.2.8	Have a 4Π alpha efficiency of at least 10% for all alpha reference isotopes in Table 3 of ANSI N42.17A.
A6.2.9	Have a 4Π beta efficiency of at least 10% for all beta reference isotopes in Table 3 of ANSI N42.17A and at least 5% for C-14.
A6.2.12	Have an active detection area within 5% of 100cm <sup>2</sup> .
A7.2.3	Have an energy sensitivity of at least 110 cpm/μrad of Cs-137, and not less than 10 cpm/μrad across the energy range (50keV – 1.5MeV).
A8.2.3 A,B,C, & D	FIDLER Probe must possess the required detection 'windows'.
A9.2.2	Possess a neutron energy detection range encompassing thermal (0.03ev) to 10MeV.
A9.2.3	Minimum neutron sensitivity of at least 5 counts per minute at 1 μSv/hr.

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