



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

Title - Sujet SENSITIVE MOBILE RADIATION DETECTOR	
Solicitation No. - N° de l'invitation W6399-160289/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W6399-160289	Date 2015-12-17
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-940-68621	
File No. - N° de dossier pv940.W6399-160289	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-01-25	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hooper, Marlyn	Buyer Id - Id de l'acheteur pv940
Telephone No. - N° de téléphone (613) 219-8478 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

This amendment is raised to modify section 4.1.1 paragraph 6.2 (6.2.3.2 and 6.2.3.4) and to add Annex H – Sensitivity Evaluation

Delete

Section 4.1.1 Paragraph 6.2 (6.2.3.2)

6.2.3.2 The Bidder will be presented with a series of sources of varying type and intensity (see **Error! Reference source not found.**)

Delete

Section 4.1.1 Paragraph 6.2 (6.2.3.4)

6.2.3.4 In order to pass the Sensitivity Evaluation, the Bidder's system must detect all of the sources and identify at least 90% in terms of type of isotope and approximate intensity.

Insert

Section 4.1.1 Paragraph 6.2 (6.2.3.2)

6.2.3.2 The Bidder will be presented with a series of sources of varying type and intensity (see Annex H)

Insert

Section 4.1.1 Paragraph 6.2 (6.2.3.4)

6.2.3.4 In order to pass the Sensitivity Evaluation, the Bidder's system must detect all of the sources and identify at least 90%.

Insert

Annex H

Sensitivity Evaluation

Item	Requirement
1	Response to gamma radiation: The SMRD provides a gamma-detection alarm when the absorbed dose from a ¹³⁷ Cs source is 5 nSv/hr at the SMRD and the detector travels past at 8 kph (5 mph). The distance between the source and the SMRD's point of closest approach (PoCA) is approximately 3 m (10 ft). The test will be repeated ten (10) times and the requirement will be achieved when the SMRD correctly detects the source in at least nine (9) out of ten (10) passes.
2	Response to neutron radiation: The SMRD provides a neutron-detection alarm when the detector travels past a ²⁵² Cf source (10 ⁴ n/s,) at 8 kph (5 mph) and the SMRD's PoCA is approximately 3 m (10 ft), equivalent to a maximum neutron flux of 0.018 n/s/cm ² . The test will be repeated ten (10) times and the requirement will be achieved when the SMRD correctly detects the ¹³⁷ Cs source in at least nine (9) out of ten (10) passes.
3	Neutron indication in the presence of photons (False): The SMRD detects no additional neutrons above background (i.e., no false positives) when exposed to a 0.2 mSv/hr ¹³⁷ Cs gamma-ray field. The test will be

Solicitation No. - N° de l'invitation
W6399-160289/A
Client Ref. No. - N° de réf. du client
W6399-160289

Amd. No. - N° de la modif.
001
File No. - N° du dossier
pv940.W6399-160289

Buyer ID - Id de l'acheteur
pv940
CCC No./N° CCC - FMS No/N° VME

	repeated three (3) times and must successfully pass each test to meet the requirement. The SMRD will be allowed to stabilize to background before each exposure.
4	Neutron indication in the presence of photons (True): The SMRD provides a neutron-detection alarm when, in the presence of a 0.2 mSv/hr ¹³⁷ Cs gamma-ray field, the detector travels past a ²⁵² Cf source (10 ⁴ n/s) at 8 kph (5 mph). The SMRD's PoCA is approximately 3 m (10 ft), equivalent to a maximum neutron flux of 0.050 n/s/cm ² . The test will be repeated ten (10) times and the requirement will be achieved when the SMRD corrected detects the ²⁵² Cf source in at least nine (9) out of ten (10) passes.
5	Radionuclide Identification: The SMRD identifies five (5) separate gamma-ray emitting radionuclides when the resulting field from each source is 0.05 µSv/hr above background and the detector is moving past at 8 kph (5 mph). The SMRD's PoCA is approximately 3 m (10 ft). The SMRD will be exposed to each separate radionuclide ten (10) times and the requirement will be achieved when the SMRD correctly identifies each source in at least nine (9) out of ten (10) passes.

All other terms and conditions remain unchanged