

**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 0A1 / Noyau 0A1**  
**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> SECURITY SCREENING X-RAY DEVICE		
<b>Solicitation No. - N° de l'invitation</b> U6260-131281/A		<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> U6260-131281		<b>Date</b> 2013-11-05
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-883-63473		
<b>File No. - N° de dossier</b> pv883.U6260-131281	<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 2013-11-15</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<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> Saunders, Lynda		<b>Buyer Id - Id de l'acheteur</b> pv883
<b>Telephone No. - N° de téléphone</b> (819) 956-6851 ( )		<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>

Amendment 004 has been raised to modify the Request for Proposal (RFP) as specified below:

**A. MODIFICATION TO RFP**

- A5.** At **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**, under Article 1.1. Technical Evaluation, amend as follows:

**Add the following:**

**“1.1.1 Mandatory Technical Criteria**

See Annex “A” - Technical Specifications

**1.1.2 Pre-Award Testing**

Following evaluations, Bidder's with the lowest evaluated responsive bid will advance to Pre-Award Testing. Systems must be made available within 10 days of the initial bid submission for 1 day for independent verification and testing by the Industry Canada (IC) Evaluation Team. This includes making the fully functional X-ray system available at the Bidder's location. Failure to facilitate independent verification by the IC expert will result in the Bidder's bid being declared non-responsive.

Results from the Pre-Award Testing will be used to:

**Test 1: X-ray “Steel Penetration”** – Square lead image targets is mounted on 30mm thickness of steel. The transmission image steel penetration metric is achieved if the dark region of a 30 mm target can be visibly discerned from within the lighter colored square.

**Test 2: X-ray “Organic Contrast Sensitivity”** – A 12.5mm thickness of HDPE plastic is milled with depressions that are 1mm, 2mm, and 3mm deep. The transmission image organic contrast sensitivity metrics is achieved if a light colored square is visibly discernable within the darker background on all 3 targets.

**Test 3: X-ray “Wire Display Resolution”** – Star patterns of 40 AWG wire are mounted on a 12.5mm thickness of HDPE. The transmission image wire display resolution metrics is achieved if more than 50% of the total wire pattern can be visibly discerned from the background.

**Test 4: X-ray “Depth of View” through Steel** – Polyethylene image targets are mounted on the top of 1mm, 2mm, and 3mm thicknesses of steel. The image depth of view metric is achieved if a bright mass can be visibly discerned from the dark background on all 3 targets. (For the 3mm block, the shape of the mass might not appear to be a square.)

**Test 5: X-ray “Organic Contrast Sensitivity”** – A 32mm thickness of HDPE plastic is milled with depressions that are 1mm, 2mm, and 3mm deep. The image organic contrast sensitivity metric is achieved if a dark colored region can be visibly discerned from within the lighter background on all 3 targets. (The shape of the 1mm depression might not appear to be a square.)

**Additional application tests for organic detection will also be performed as follows:**

**Test 6: Cell Phone with organic explosive placing battery used as a possible IED**

**Test materials**

- Cell phone with battery removed
- Package of granular sugar roughly 50mm x 25mm
- Place the phone on the belt with the battery compartment on the belt surface

**Test 7: Travel bag with laptop power supply strapped with a bottle of liquid as a potential IED**

**Test materials**

- Travel bag
- Small bottle of liquid (3-4 oz)
- Strap liquid to the bottom of power supply and place power supply on bottom of the travel bag.

**Test 8: Travel bag with shoes. A single shoe has a bag of granulated sugar and nails as a potential IED**

**Test materials**

- Travel bag
- Bag of sugar with nails
- Place bag of sugar and nails inside one of the shoes

**Test 9: Detection of the organic objects even the X-ray is completely blocked along the X-ray transmission path due to high density substances behind the organic objects**

**Test materials**

- (2) boxes of corn starch. The package of the corn starch shall be a paper box and the box is to be filled with corn starch in full
- A piece of high density substance with sufficient thickness (e.g. a lead block) shall be provided to cover the entire T-shaped test object as the X-ray shield for complete blocking the X-ray behind the test object.

Failure to demonstrate compliance with the above tests will result in the Bidder's bid being declared non-responsive.

IC will be responsible for all travel and living expenses for IC experts performing the verification. IC will furnish test kits required to demonstrate systems compliance to Annex "A". The Bidder will be responsible for all travel and living expenses for its personnel attending the Verification."

**A6. ANNEX A - TECHNICAL SPECIFICATIONS, under Article 3.2 PHYSICAL SPECIFICATIONS:**

Add the following:

- 3.2.8 The system must be able to distinguish 1 mm, 2mm and 3 mm thickness of organic materials.

**ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED**