

**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> 003
<b>Client Reference No. - N° de référence du client</b> U6260-131281		<b>Date</b> 2013-10-16
<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 003 has been raised to modify the Request for Proposal (RFP) and publish all answers to questions received as of 11 October 2013.

**A. MODIFICATION TO RFP**

- A4. ANNEX "A" - TECHNICAL SPECIFICATIONS**, delete in its entirety and replace with **ANNEX "A" - TECHNICAL SPECIFICATIONS (revised 16 October 2013)** attached hereto.

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

**B. QUESTIONS AND ANSWERS**

**Q5. ANNEX A - TECHNICAL SPECIFICATIONS - Article 3.0 MANDATORY EQUIPMENT REQUIREMENTS :**

- a) Sub-article 3.1.1** - Would two generators not two specific technologies be accepted. Two x-ray generator shooting upwards and horizontally through the parcel provide as much or more information and also allowing for automatic detection of explosives.
- b) Sub-article 3.1.3** - Would a Dual Energy transmission with a second generator that produces Dual Energy Transmission at perpendicular angle to the first X-Ray which is approved as an Advanced Technology systems by the TSA and Liquid Explosive Detection System (LEDS) by EU and certified by CAAC instead of the Compton Scattering be acceptable.

**A5. Refer to Modification to the RFP, A2. above.**

**Q6. ANNEX A - TECHNICAL SPECIFICATIONS - Article 3.0 MANDATORY EQUIPMENT REQUIREMENTS - Article 3.3 SYSTEM PERFORMANCE CRITERIA**

**Sub-article 3.3.1.1 - Overall SSXD system footprint dimensions**

- a)** The length requested under a. does not comply with Health Canada Safety Code 29 or the Radiation Emitting Devices Act (RED Act). Health Canada requires 50 cm metal shrouds on both entrance and exit end of machine to prevent persons from reaching into the lead curtains. This length does not allow for anywhere to mount the Health Canada shrouds.

Would the following dimensions be acceptable?

- a. Length: 288 cm
  - b. Width: 143 cm
  - c. Height: 140 cm
  - d. Weight: 950 kg
  - e. Conveyor belt height 83 cm and conveyor weight capacity 165 kg distributed
  - f. Tunnel size: with 64 cm wide and 43 cm high
- b)** Would 25" x 16.9" for the SSXD system tunnel size be acceptable.
  - c)** Would 62 cm x 42 cm for the SSXD tunnel size be acceptable?

**A6. Refer to Modification to the RFP, A4. above.**

Solicitation No. - N° de l'invitation

U6260-131281/A

Amd. No. - N° de la modif.

003

Buyer ID - Id de l'acheteur

pv883

Client Ref. No. - N° de réf. du client

U6260-131281

File No. - N° du dossier

pv883U6260-131281

CCC No./N° CCC - FMS No/ N° VME

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**Q7. ANNEX A - TECHNICAL SPECIFICATIONS - Article 3.0 MANDATORY EQUIPMENT REQUIREMENTS - Article 3.4 SOFTWARE, sub-article 3.4.6**

Would exported files in .BMP or .PNG format be acceptable?

**A7. Yes. Refer to “Modification to the RFP”, A4. above.**

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**ANNEX "A"**  
**TECHNICAL SPECIFICATIONS**  
**Security Screening X-Ray Device**  
**(revised 16 October 2013)**

## **1.0 SCOPE**

Industry Canada (IC) has a requirement to procure two (2) Security Screening X-Ray Devices (SSXD) to be used by IC for the security screening of incoming mail and courier.

## **2.0 STANDARDS**

The SSXD system must comply with the following standards:

- a. Health Canada - Radiation Emitting Devices (RED) Regulations, Schedule II, Part IV, Baggage Inspection X-ray Devices; and
- b. CDRH (Center for Devices and Radiological Health) standards for Cabinet X-ray Systems (21 CFR subchapter J 1020.40)

## **3.0 MANDATORY EQUIPMENT REQUIREMENTS**

### **3.1 DESIGN**

- 3.1.1 The instrument must be able to pass through a 44" wide door in order to access the room in which it will reside.
- 3.1.2 The system must be capable of producing a clear and contrasted images of the components and contents of target objects using non-intrusive multi energy X-ray imaging technique. Standard color coding for organic, inorganic and metallic materials must be incorporated when processed image is displayed on the screen. Minimum requirement is for a dual energy transmission X-ray system. However backscatter (backscatter system for the purposes of this application is defined as an X-ray system having backscatter X-ray imaging capabilities in addition to standard transmission X-ray capabilities).
- 3.1.3 The system must be able to display organic material threats, such as drugs and plastic explosives, conventional metallic threats, such as guns and knives, and composite weapons in a parcel even when clutter is present.
- 3.1.4 The system must be a dual energy x-ray source operating voltage of 140 keV minimum.

### **3.2 PHYSICAL SPECIFICATIONS**

- 3.2.1 The system must be able to produce two images that are displayed simultaneously on either two 19 inches LCD monitors or one 40 inches flat screen with dual upper/lower views.
- 3.2.2 The system must use two x-ray sources, one source must be oriented vertically upwards, and one must be oriented diagonally upwards or side.
- 3.2.3 The system must be able to provide a transmission image resolution of 40 AWG or better and penetration must be 30 mm or better as measured with the ANSI42.44-2008 for the Performance of Checkpoint Cabinet X-Ray Imaging Security Systems.

- 3.2.4 The system must have an operator console tray mounted on the side of the system that can be easily switched from one side to the other as site requirements change.
- 3.2.5 The system must be able to display the visible differentiation between organic and inorganic materials.
- 3.2.6 The system must be capable of being operational within fifteen minutes of startup, assuming daily use.
- 3.2.7 The system must be able to X-ray both forward and in reverse.

### **3.3 SYSTEM PERFORMANCE CRITERIA**

#### **3.3.1 SSXD Overall Dimensions and Tunnel Width / Height / Weight**

##### **3.3.1.1 The overall SSXD system footprint dimensions must not exceed:**

- a. Length: 284.48 cm (112 inches) including shrouds
  - b. Width: 137.16 cm (54 inches) including keyboard
  - c. Height: 144.78 cm (57 inches)
  - d. Weight: 850 kg (1,870 pounds)
  - e. The SSXD system conveyor belt height must be no more than 80 cm (31.49 inches) and conveyor weight capacity must be no more than 136.07 kg (300 lbs) distributed.
  - f. The SSXD system tunnel size must be no less than 63.5 cm (25 inches) wide and 40.64 cm (16 inches) high.
- 3.3.2 The system must have an uninterrupted power supply (UPS) unit to prevent instabilities in the local main power and to assure system reliability and performance.

### **3.4 SOFTWARE**

- 3.4.1 The system must have the capability to control and adjust the image contrast and brightness.
- 3.4.2 The system must be able to display the transmission image in both dual energy color and black
- 3.4.3 The system must have the capability to strip organics and metallics from the dual-energy transmission image.
- 3.4.4 The system must be able to continuously zoom the image to 16x.
- 3.4.5 The system must be able to frame objects in the image through which x-rays do not penetrate.
- 3.4.6 The system must be capable to export images into .TIF, .BMP, .PNG or .JPEG formatted files.
- 3.4.7 The system must have a TIP option (Threat Image Projection) that projects TIP images into both x-ray images.