



**RETURN BIDS TO:**

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**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

<b>Title - Sujet</b> X-RAY MACHINES	
<b>Solicitation No. - N° de l'invitation</b> 1N001-163235/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 1N001-163235	<b>Date</b> 2016-10-07
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-925-71420	
<b>File No. - N° de dossier</b> pv925.1N001-163235	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-10-18</b>	<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Hooper, Marlyn	<b>Buyer Id - Id de l'acheteur</b> pv925
<b>Telephone No. - N° de téléphone</b> (613) 219-8478 ( )	<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> SUPREME COURT OF CANADA 301 WELLINGTON ST MAILROOM K1A 0J1	

**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 (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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Solicitation Amendment 002 is raised to:

1- Extend the bid closing date to October 18<sup>th</sup>, 2016.

2- Update the mandatory specifications as follows:

At ANNEX A – Part 2 – Mandatory Evaluation Criteria, delete:

The existing table in its entirety.

Insert:

ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
1	The Security Screening X-Ray Device (SSXD) must be a proven, fielded system that is already in service and considered a Commercial off the Shelf (COTS) product. A prototype or a pre-production mode is not acceptable.	
2	Once plugged and activated, the SSXD must be ready to function within a 180 seconds.	
3	The SSXD must also be operable from distance (e.g. footpad, monitor and keyboard behind Commissionaire's desk).	
4	Exclusive of the footpad, monitor and keyboard, all SSXD components, including but not restricted to the mechanical, electronics and electrical components, must be integrated into the SSXD.	
5	SSXD exit and entry tunnel shrouds must be at least 0.5 meter (19.69 inches) in length	
6	The SSXD must comply with the Radiation Emitting Devices (RED) Regulations (Schedule II, Part IV)	
7	The SSXD must comply with 78-EHD-20 Health Canada Safety Code 29	
8	The SSXD must comply with applicable Canadian Standard Association (CSA) Standards	
9	The SSXD must comply with the Radiation Emitting Device (RED) Regulation (Schedule II, Part IV)	
10	The SSXD must be ISO 9001-2008 registered	
11	The SSXDs must operate on 110 VAC, +/- 10 % at 60 Hz	
12	The SSXDs must be capable of operating without affecting performance over a temperature range of 0° to +40° degrees Celsius.	
13	The SSXDs must be storable without adverse effect over a temperature range of -20° to +50° degrees Celsius	
14	The SSXDs must be able to operate in conditions where absolute humidity is up to 90% non-condensing.	

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15	To facilitate the examination of all objects to be scanned, the SSXDs must include the following functions/capabilities:	N/A
15-A	Density Threat Alert	
15-B	Built-in Training	
15-C	Dark and Light enhancement	
15-D	Variable Density Zoom or equivalent	
15-E	Organic/Inorganic Stripping	
15-F	Inverse Video	
15-G	Pseudo Colour	
15-H	Black and White Viewing	
15-I	High Resolution Mode	
15-J	High Dense Enhancement	
15-L	Automatic Edge Enhancement	
15-M	Reversible conveyor direction	
16	The system must be able to detect objects through a minimum of 27 mm (1.0629 inches) of cold rolled steel while displaying unmasked Datasheet 3 mm (.12 inches) thick at the center, left and right sides of the conveyor belt.	
17	The system must be able to detect and discern between organic and inorganic materials. Organic materials (atomic numbers 1-10) must be displayed in a specific color.	
18	The scanner must have the capability to view both the horizontal plane and the vertical plane of the scanned object in one scan pass using a single x-ray projection.	
19	The scanner must allow for the storage of images retrievable as evidence from its database archives.	
20	The scanner must allow the operator to zoom in on an image being displayed with a zoom ratio of up to 32x.	
21	The X-Ray generator must display unmasked bare copper wire of gauges up to and including 36 AWG at the center, left and right sides of the conveyor belt. The wire must be visible for a minimum of the first six steps using the ASTM 10 Step Wedge.	
22	The X-Ray generator must display masked 30 AWG wire and larger at the center, left and right sides of the conveyor belt. The wire must be visible for a minimum of the first six steps using the ASTM 10 Step Wedge.	
23	Any type of common magnetic media must not be affected while being scanned by the X-Ray system.	
24	The scanner must support an automatic warm up (also known as "x-ray generator seasoning") with no technician required and without having to access the internals of the scanner.	
25	The monitor must be a high definition digital video monitor with high refresh and non-flicker, as well as a minimum of 1280 x 1024 pixel	

	resolution.	
26	The screen size must be at least 43.2 centimetres (17 inches) or larger on the diagonal.	
27	The keyboard must have a lock that requires the insertion of a key before the X-rays can be produced; this same key, when removed, must turn off the X-rays.	
28	The SSXD must be operated from an interlocked footpad. Once the operator steps away from the footpad, the x-ray generator and x-ray operations must stop.	
29	The system must have the capability to be operated from distance, with wiring passing underneath the floor through conduit to the Commissionaire's desk (adjacent/ a few feet apart) where the footpad, monitor and keyboard are to reside.	
30	The scanner must be equipped with an external USB port for downloading archives	
31	Images must be able to be downloaded and viewed on a personal computer using standard viewing software.	
32	The operator shall be able to easily and quickly export images from the scanner.	
33	The scanner must provide the ability to log scans. This feature requires the scanner to retain and archive, at minimum, the following pieces of information in a single log record for each scan:  a) scan identification number b) scanner identification number c) operator identification information d) time and date e) the picture of the items being scanned.	
34	The scanner must have both French and English operator menus. It shall be possible to switch between the languages using a single button click.	
35	The SSXD must allow operators and supervisor to perform On the Job Training (OJT) separate from live operations.	
36	The CBT must enable the SSXD to be used as a training terminal without running parcels or baggage using the Operator Training Program (OTP).	
37	The OTP software is described as a tool to help the operator by teaching the skills and knowledge that screeners need to perform their role effectively.	
38	Using this software the user must be presented with images that they are likely to see during the normal screening process.	
39	The software must contain a library of suspect items, which must include various weapons, Improvised Explosive Devices (IED), and other prohibited items.	
40	The SSXD must include a program or software that assists the operator in identifying threat objects.	
41	When an object has been detected that matches a threat to algorithms that have been stored in the system, an alert box on the users LED, or a similar indicator to mark the object, must be generated showing the item under suspicion.	

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42	The SSXD must include the following characteristics:	N/A
42-A	Automatic Image Archiving	
42-B	Manual Image Archiving	
42-C	Video Output	
42-D	Parcel counter	
42-E	Date/Time Stamp	
42-F	Must have capability for recording of images for further investigation	
43	The photo image storage unit must be capable of storing at least 250 images (minimum) prior to erasure as capacity is reached.	
44	Images must be able to be recorded on a USB or Flash Drive	
45	Images must be able to be recorded on a DVD	
46	Images must be able to be recorded on a CD-ROM	
47	The Security Screening X-Ray Device must incorporate BITE technology. The BITE must enable Supreme Court of Canada Service technician to perform fault diagnostics in conjunction with fault codes.	
48	The footprint of <b>two (2)</b> SSXDs must not exceed the dimensions ( $\pm$ 10%) as indicated below:	N/A
48-A	Length: 2550 mm. (100 in)	
48-B	Width: 860 mm (34 in.)	
48-C	Height: 1422.4 mm (56 in), excluding display monitors	
48-D	A tunnel opening of no less than 61.5 cm (24.2 in.) wide and 42.5 cm (16.7 in.) high	
48-E	A conveyor belt system height of 80 cm (30in).	
48-F	Rollers of 91.44 cm [(three (3) feet)] in length	
48-G	rollers must be able to be affixed to both ends of the Grand Hall SSXD unit having tunnel dimensions as described in 50-D	
49	The third SSXD footprint must not exceed the dimensions (+/- 10%) as indicated below	N/A
49-A	Length: 2621 mm (103.2 in)	
49-B	Width: 1024 mm (40.3 in.)	
49-C	Height: 1524 mm (60 in), excluding display monitors.	
49-D	a tunnel opening of no less than 750 mm (29.5 in.) wide and 550 mm (21.7 in.) high.	
49-E	a conveyor belt system height of 763 mm (30 in).	

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3- Answer bidder questions, as follows:

**Question 1**

"Part 2 - MANDATORY EVALUATION CRITERIA

2. Once plugged and activated, the SSXD must be ready to function within a 120 seconds.

Would a typical time of 180 seconds (3 minutes) or less be acceptable? It is our experience that this time is more than acceptable with other security agencies that use X-Ray screening devices.

**Answer 1**

Acceptable. Requirement amended.

**Question 2**

20. The scanner must have the capability to view both the horizontal plane and the vertical plane of the scanned object in one scan pass using a single x-ray projection.

Could you please clarify this requirement as it is unclear if a dual view (with a view of both the horizontal and vertical plane) or single view (single plane) X-Ray system would be acceptable? Considering the size constraints listed, and the fact that dual view systems have a larger overall footprint, we believe a single view system would be more appropriate for this environment.

**Answer 2**

Remains as it is. It remains a capacity, whether it be single or double view the operator must be able to view both as need be.

**Question 3**

>"21. "The scanner must be equipped with a camera at the object entry point to capture a colour digital image of an object entering the scanner. The digital images must be stored with a date and time stamp and must be retrievable as evidence from the scanner's database archives."

We believe this requirement is specific to one manufacturer and would therefore limit the competitive nature of this solicitation. We ask that this be considered an optional requirement and/or removed from the mandatory specifications."

>"We refer to Part 2 - MANDATORY EVALUATION CRITERIA, page 15, item #21 of the subject solicitation "*The scanner must be equipped with a camera at the object entry point to capture a colour digital image of an object entering the scanner. The digital images must be stored with a date and time stamp and must be retrievable as evidence from the scanner's database archives.*"

We respectfully request that the requirement for a camera with digitally stored archived images should be removed as a mandatory requirement. This feature is non-standard in the industry, has not been a requirement for any other government requirements (including House of Commons, Department of Justice, CATSA, DND, the Senate, CBSA, Courts Administration Service), and in fact is promoted by only a single specific supplier. We note that the use of said feature introduces a known failure point and is not recommended for high throughput, mission-critical environments.

Also, we wish to refer to Part 2 - MANDATORY EVALUATION CRITERIA, page 16 item #35. As Part e) of this requirement relates directly to item #21, we request that Part e) "*the file or files of the scan data including the digital picture of the item being scanned*" be removed in it's entirety.

The inclusion of these requirements as part of the mandatory technical evaluation criteria for this procurement renders this solicitation decidedly unfair and uniquely directed to a specific manufacturer."

**Answer 3**

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Acceptable. Requirement amended.

#### **Question 4**

27. The monitor must be a high definition digital video monitor with high refresh and non-flicker, as well as a minimum of 1280 x 1024 pixel resolution.

Would a widescreen monitor with 1440x900 resolution be acceptable as this is essentially the equivalent of a 1280X1024 but in a widescreen format (both have total pixel counts of approximately 1.3 million). Our widescreen monitor is a superior format for optimized viewing of X-Ray images.

#### **Answer 4**

Remains as it is. Wider screen will not compensate for the set minimum requirement.

#### **Question 5**

31. "The system must have the capability to be operated from distance, with wiring passing underneath the floor through conduit to the Commissionaire's desk (adjacent/ a few feet apart) where the footpad, monitor and keyboard are to reside."

Could you please supply the total distance of cabling required to match this requirement?

#### **Answer 5**

Less than 10 feet

#### **Question 6**

34. The operator shall be able to export images from the scanner using a single button click.

We ask that this single button click restriction be removed from this requirement. Our system has the ability to export images through more than one button click, furthermore, an operator is required to select the destination of the image (eg. e-mail, external drive, etc.) on any system which would typically involve more than one button click in terms of overall operation.

#### **Answer 6**

Good point. Requirement amended to indicate "The operator shall be able to easily and quickly export images from the scanner."

#### **Question 7**

36. The scanner must have both French and English operator menus. It shall be possible to switch between the languages using a single button click.

We ask that this single button click restriction be removed from this requirement. Our systems have the ability to switch between French and English but this is conducted through more than one button click. Our systems are deployed with several Canadian government agencies and our language switching ability on our systems has been proven to be acceptable.

#### **Answer 7**

36. Remains as it is. It must be done promptly as need be.

#### **Question 8**

50-A. Length: 2550 mm. (100 in)

We assume that this length is for the system only and not including the 2 rollers listed in 50-F. Can you please clarify?"

#### **Answer 8**

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Without the rollers.

**Question 9**

Will the delivery location be equipped with a loading dock to receive crated shipments and a motorized forklift to remove the equipment off the pallet?

**Answer 9**

No loading dock and motorized forklift on site. Deliveries are anticipated through garage or closest entrance as need be and if it fits through the door (taking into consideration the calibration of such devices).

**Question 10**

Annex A, Part 2, Item 6: Will the customer accept painted steel exit and entry tunnel shrouds? These will comply with both the Radiation Emitting Device (RED Act, Schedule II, Part IV) and Health Canada Safety Code 29.

**Answer 10**

Good point. Requirement amended.

**Question 11**

We are asking that the requirements set out in Items 7 and 9 of Annex A, Part 2 (Health Canada Safety Code 6 & 32) be removed, since the pertain to Walk Through Metal Detectors and Analytical X-Ray Equipment, respectively; not Baggage X-Ray Equipment.

**Answer 11**

Good point. Requirements removed.

**Question 12**

Annex A, Part 2, Item 17-M: Does the customer require the equipment to operate in reverse only in terms of the direction of the belt, or also in terms of scanning and producing an image? Both requirements are achievable.

**Answer 12**

Reversible CONVEYOR direction.

**Question 13**

Annex A, Part 2, Items 50-F and 50-G: Please confirm that the customer requires 2 roller tables at entry and exit of the units with the smaller tunnel opening (for a total of 4 roller tables) and none on the unit with the larger tunnel opening.

**Answer 13**

Rollers are for the both SSXDs described at 50 (now 48), does not apply to the unit with the larger tunnel opening.

4- To update the Contracting Authority as follows:

**DELETE Section 6.5.1 Contracting Authority** in its entirety and **REPLACE WITH** the following:



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### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Marlyn Hooper  
Title: Supply Specialist  
Public Works and Government Services Canada  
Commercial Consumer Products Directorate  
11 Laurier Street, 6A2, Phase III  
Place du Portage, Gatineau, Quebec, K1A 0S5

Telephone: 613 219 8478

E-mail address: [marlyn.hooper@pwgsc.gc.ca](mailto:marlyn.hooper@pwgsc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**