



**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

**REQUEST FOR PROPOSAL**  
**DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> SOFT X-RAY Radiography Equipment	
<b>Solicitation No. - N° de l'invitation</b> 47064-146463/A	<b>Date</b> 2013-09-06
<b>Client Reference No. - N° de référence du client</b> 1000316463	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-924-63449	
<b>File No. - N° de dossier</b> pv924.47064-146463	<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 2013-10-23</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> Caron, Anne	<b>Buyer Id - Id de l'acheteur</b> pv924
<b>Telephone No. - N° de téléphone</b> (819) 956-3874 ( )	<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> CANADA BORDER SERVICES AGENCY 79 BENTLEY AVE SCIENCE AND ENGINEERING OTTAWA Ontario K2E 6T7 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**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>Delivery Required - Livraison exigée</b> See Herein	<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>

## TABLE OF CONTENTS

### PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Statement of Requirement
3. Debriefings

### PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

### PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

### PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Basis of Selection

### PART 5 - CERTIFICATIONS

1. Mandatory Certifications Required Precedent to Contract Award

### PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. Statement of Requirement
3. Standard Clauses and Conditions
4. Term of Contract
5. Authorities
6. Payment
7. Invoicing Instructions
8. Certifications
9. Applicable Laws
10. Priority of Documents
11. SACC Manual Clauses
12. Shipping Instructions

#### List of Annexes:

- Annex A Statement of Requirement  
Annex B Basis of Payment

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## PART 1 - GENERAL INFORMATION

### 1. Security Requirement

There is no security requirement associated with this bid solicitation.

### 2. Requirement

The requirement is detailed under Article 2.1 of the resulting contract clauses.

#### 2.1 Delivery Requirement

Delivery must be completed by March 31, 2014.

### 3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

#### 1.1 SACC Manual Clauses

B1000T (2007-11-30), Condition of Material

### 2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

### 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

### 4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid ( 3 hard copies and 3 soft copies on CD)

Section II: Financial Bid (1 hard copies and 1 soft copie on CD)

Section III: Certifications (1 hard copie)

Section IV: Additional Information (3 hard copies and 3 soft copies on CD)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

Solicitation No. - N° de l'invitation  
47064-146463/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

Client Ref. No. - N° de réf. du client  
1000316463

File No. - N° du dossier  
pv92447064-146463

pv924

CCC No./N° CCC - FMS No/ N° VME

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- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

**Section I: Technical Bid**

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

**Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

**1.1 Exchange Rate Fluctuation**

C3011T (2010-01-11), Exchange Rate Fluctuation

**1.2 Prices**

Bidders must submit firm unit prices for all items listed at Annex "B". Failure to do so will render a bidder non-compliant and no further consideration will be given to bid.

**Section III: Certifications**

Bidders must submit the certifications required under Part 5.

**Section IV: Additional Information** (*Bidder to complete*)

The following applies to the Requirement and bidders must provide the following information :

**1.1 Product(s) Offered**

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: \_\_\_\_\_

Model/Part Number: \_\_\_\_\_

**1.2 Delivery**

The best delivery that could be offered by the Bidder is \_\_\_\_\_. Deliveries of equipment must be completed by March 31, 2014.

**1.3 Contractor's Representative**

The telephone number of the person responsible for:

**General Enquiries** Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

Solicitation No. - N° de l'invitation  
47064-146463/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv924

Client Ref. No. - N° de réf. du client  
1000316463

File No. - N° du dossier  
pv92447064-146463

CCC No./N° CCC - FMS No/ N° VME

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eMail address: \_\_\_\_\_

**Delivery & Follow-Up** Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

eMail address: \_\_\_\_\_

#### 1.4 Training

The bidder must provide one (1) training program on the operational, maintenance and technical aspects of the instrument for up to 15 participants. The exact dates for the training session will be established after the award of the resulting contract, following consultation between the Technical Authority and the contractor. Training materials must be available in English and French. The contractor must supply both English and French copies of the training materials in electronic format (.pdf format).

Training is requested to be completed within 5 weeks of delivery.

The best schedule for training that could be offered by the Bidder is: \_\_\_\_\_ of delivery.  
Provide complete details of training e.g. duration, scope, etc.,

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#### 1.5 Service

Purchase of the system must include ongoing technical support during normal business hours between 8:00AM and 4:00PM in the Eastern Time Zone - Monday to Friday. This support service may be offered via telephone and/or on-site support. Technical support expertise must be available in English and should be available in French.

The response time of service calls must not exceed 48 hours.

Also, provide the following with your bid:

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

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- b) Locations of available replacement parts from consumables to major components.

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- c) Response time in regards to service calls, and escalation schedule, i.e. (how many days with no resolution to a problem until a more experienced person is called in, and from which location).

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- d) List the frequency of routine maintenance visits provided by a qualified service technician during the warranty period, if applicable and included in the price.

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**PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

**1. Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

**1.1 Technical Evaluation**

**1.1.1 Mandatory Technical Criteria**

See Annex "A"

**1.2 Financial Evaluation**

- 1. The price of the bid will be evaluated as follows:
  - a) bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
  - b) bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
- 2. Prices will be evaluated on a FOB Destination.
- 3. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

## **2. Basis of Selection**

### **2.1 Mandatory Technical Criteria**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

### **2.2 Pre-Award Testing**

Following the bid evaluations, the responsive bid with the lowest evaluated price will advance to Pre-Award Testing. The offered system must be made available for CBSA testing within 15 business days of notification. The Bidder will be responsible for all cost associated with making system available and for Pre-Award testing.

Results from the Pre-Award Testing will be used to confirm compliance to Annex "A". Failure to demonstrate compliance with the mandatory specifications will result in the Bidder's proposal being declared non-responsive.

Pre-Award testing will consist of:

A package of items will be provided by the CBSA - Forensic Document Examination Section to the potential supplier. This will include different substrates and materials associated in the production of documents. All radiographs must be made by non-destructive means, i.e. no cutting, unbinding or folding of the items, and all items must be returned after radiography is complete with a full report of the results.

Radiographs must differentiate the features of the items described in the list below:

- 1) Watermarks and/or laid paper lines, the watermark and/or laid paper lines must be clearly visible and discernable. (between 1 to 4 pages)
- 2) Electrophotographic dry toner containing magnetic (iron content) toner on un-specified pages. (between 1 to 5 pages)
- 3) Differentiation between printing with radiological density differences (between 1 to 5 items, if a bound book not every page will necessarily have to be done).
- 4) Binding structure on books that are sewn bound (between 1 to 2 items).
- 5) Binding structure on books that are glued and/or stapled (saddle or side) (between 1 to 2 items).

## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications and documentation to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with this request will also render the bid non-responsive or will constitute a default under the Contract.

### **1. Mandatory Certifications Required Precedent to Contract Award**

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## 1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

## 1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list ([http://www.labour.gc.ca/eng/standards\\_equality/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement applicable to this Contract.

### 2. Requirement

#### 2.1 Requirement

The Canada Border Services Agency (CBSA) – Information, Science and Technology Branch has a requirement for one (1) "Soft" X-Ray Cabinet (radiography equipment) for Forensic Document Examination to be delivered to Ottawa, ON.

The Contractor must provide a "Soft" X-Ray Cabinet (radiography) System for Forensic Document Examination in accordance with the Statement of Requirements at Annex "A".

#### 2.2 Software Upgrades

The contractor must provide all software updates and new releases to the purchaser for the estimated life cycle of the instrument (a minimum of 5 years), at no additional cost.

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software or new modules or supplementary modules that function in conjunction with the software, that represent the next generation of software, and which the Contractor has decided to make available to its customers usually for an additional charge

#### 2.3 Training

The contractor must provide one (1) training program on the operational, maintenance and technical aspects of the instrument for up to 15 participants. The exact dates for the training sessions will be established after the award of the resulting contract, following consultation between the Technical Authority and the contractor. All training must be provided in English by a competent authority designated

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by the contractor (i.e. technician). Training materials must be available in English and French. The contractor must supply both English and French copies of the training materials in electronic format (.pdf format).

## 2.4 Manuals

The contractor must supply copies of the operator manual in both English and French.

## 2.5 Service

The contractor must provide for ongoing technical support during normal business hours between 8:00AM and 4:00PM in the Eastern Time Zone - Monday to Friday. This support service may be offered via telephone and/or on-site support. Technical support expertise must be available in English and should be available in French.

The response time of service calls must not exceed 48 hours.

## 3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

### 3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

## 4. Term of Contract

### 4.1 Delivery Date

Equipment must be received on or before March 31, 2014.

## 5. Authorities

### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

**Anne Caron**  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial Consumer Products Directorate  
11 Laurier Street, 6A2, Phase III  
Place du Portage, Hull, Quebec, K1A 0S5

Telephone: (819) 956-3874

Facsimile: (819) 956-3814

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E-mail address: anne.caron@tpsgc-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.

## 5.2 Technical Authority

The Technical Authority for the Contract is: *(will be inserted at contract)*

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

## 5.3 Contractor's Representative *(will be filled in at contract)*

## 6. Payment

### 6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices as specified in Annex "B" for a cost of \$ *(will be inserted at contract)*. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

### 6.2 Milestone Payments

SACC Manual clause H3010C (2010-01-11) Milestone Payments

#### Milestone Payments

Canada will make milestone payments in accordance with the following schedule:

90% payment of the overall contract amount specified in part 6.1 Basis of Payment - Firm Price will be made upon delivery of equipment.

10% payment of the overall contract amount specified in part 6.1 Basis of Payment - Firm Price upon completion of training.

## 7. Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Invoices must be distributed as follows:

- a. The original and one (1) copy must be forwarded to the following address for certification and payment.
- b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

## 10. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions
- (c) Annex A, Statement of Requirements;
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated (*insert date of bid*)

## 11. SACC Manual Clauses

SACC Manual clause B1501C (2006-06-16) Electrical Equipment  
SACC Manual clause G1005C (2008-05-12) Insurance  
SACC Manual clause B7500C (2006-06-16), Excess Goods

## 12. Shipping Instructions – FOB Destination

Goods must be consigned and delivered to the destination specified in the contract:

FOB Destination (CBSA, 14 Colonnade Road, Suite 280, Ottawa, Ontario) including all delivery charges and customs duties and taxes.

## ANNEX "A"

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## **STATEMENT OF REQUIREMENT - Soft" x-ray cabinet (radiography) - Forensic Document Examination**

The Statement of Requirements (SOR) will form an integral part of the resulting contract.

The supplied equipment and services must meet or better all of the requirements defined below. The supplied equipment is to be new, not used or refurbished. Systems not meeting all the following Mandatory Requirements will be considered non-compliant.

Offerors must provide with their proposal technical literature/brochures, operating manuals etc. to demonstrate compliance with each area of the criteria stated below at time of bid closing. Proposal evaluation will be based upon the information supplied with the bid only. Failure to provide the technical literature or failure to demonstrate compliance with any area of the criteria will render your proposal non-responsive and no further consideration will be given. References are to be specific to supporting technical documentation (ex. Document title, page and paragraph number). Please note that compliance must be demonstrated and that if an offeror only states "comply" without any further detail, this is not considered as a demonstration compliance. Complete description of system performance and capabilities must be provided.

### **BACKGROUND:**

Forensic document examination entails the examinations of documents to answer questions about the document's origin, materials, subsequent handling and genuineness. Conducting these examinations may require the use of laboratory equipment that can disclose the physical and chemical composition of documents and the materials used to produce them.

The Forensic Document Examination Section requires a radiography equipment of this type.

### **MANDATORY REQUIREMENTS:**

The radiography system must be capable of producing "soft" x-ray radiographs of such a variety of materials described below. The radiographs must reveal structures such as but not limited to: paper watermarks, differing thicknesses of paper, and inclusions within paper or substrates that are not solely inorganic (generally metallic) in nature.

#### Paper used to produce documents:

This includes all types of paper from high quality cotton content watermarked paper used for legal letters and security printing to pulp used in newsprint or boxboard packaging.

#### Substrates other than paper used to produce documents:

Such as plastic cards and bags, fabric materials, and thin metal coatings.

#### Materials in addition to the paper and substrate:

These materials include but are not limited to: writing inks, printing inks, binding materials (e.g. glue, staples, rivets, fabric, covers, etc.), electrophotographic toner (laser printed/copied documents) and inorganic printing materials. Included in this are the instruments used to produce documents e.g. ink-jet print heads, rubber stamps and toner cartridges.

#### Alterations and hidden structures within documents:

In addition to the materials analysis, radiography can reveal the inner structures of materials without requiring disassembly or opening. For example, (i) a bound book may have had a

page removed from the binding, (ii) a passport or plastic identity card may have been tampered with, (iii) some documents have internal structures such as e-passports with electronic antennas, or "smart cards" with internal electronic devices. Non-destructive examination via radiography may be the only means permitted in many instances.

**Reference to technical bid:** \_\_\_\_\_

Radiography equipment must come with all any necessary ancillary components.

**Reference to technical bid:** \_\_\_\_\_

The radiography system must be a self-contained x-ray cabinet, with all required shielding as part of the cabinet and door. The entire system must be on a wheeled base that will allow it to be moved to different parts of the laboratory. The radiography chamber itself must be composed of stainless steel for cleaning purposes.

**Reference to technical bid:** \_\_\_\_\_

Detector and Radiograph image size:

The detector must utilise digital technology that allows the user to save the radiographs in lossless image formats that are non-proprietary (e.g. TIFF, BMP).

Systems may have two detectors, one to provide for a large radiograph and the other a smaller radiograph but with better spatial resolution. Spatial resolution is the capability of the system to resolve small sized objects in the radiograph. Greater resolution generally involves a trade off with the active area of the detector.

As a minimum, the detector must be a minimum of 20 cm by 25.4 cm with a minimum resolution of 5 line pairs/mm when at 1x (otherwise known as "contact mode").

The system must be capable of a minimum 5x geometric magnification and have a minimum resolution of 25 line pairs/mm at 5x.

**Reference to technical bid:** \_\_\_\_\_

Radiological regulatory compliance:

The equipment must comply with the appropriate sections of the Radiation Emitting Devices Act, and, all safety interlock mechanisms for the door and all shielding must meet or exceed those stipulated by the Occupational Health and Safety Act X-Ray Safety Ontario (hereafter R.R.O. 1990, Regulation 861). Additionally as this will be a cabinet device it must comply with R.R.O. 1990, Regulation 861, s. 17(3):

The cabinet must be so arranged and shielded as to prevent the air kerma rate from exceeding 5 micrograys per hour at any accessible point 5 centimetres from the external surface, under all

Solicitation No. - N° de l'invitation

47064-146463/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv92447064-146463

Buyer ID - Id de l'acheteur

pv924

CCC No./N° CCC - FMS No/ N° VME

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possible operating conditions. "air kerma" is defined as the sum of the initial kinetic energies per unit mass of all the charged particles liberated by uncharged ionizing in air.

**Reference to technical bid:** \_\_\_\_\_  
\_\_\_\_\_

Electrical regulatory compliance:

The electrical components of the radiography system and all ancillary parts must meet or exceed the Canadian Standards Association and be registered as such.

**Reference to technical bid:** \_\_\_\_\_  
\_\_\_\_\_

Solicitation No. - N° de l'invitation

47064-146463/A

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

1000316463

Amd. No. - N° de la modif.

File No. - N° du dossier

pv92447064-146463

Buyer ID - Id de l'acheteur

pv924

CCC No./N° CCC - FMS No/ N° VME

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## ANNEX "B" – BASIS OF PAYMENT

### Pricing Basis:

- a) bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
- b) bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
- c) Prices will be evaluated on a FOB Destination.

### 1. PRICING BASIS (*Bidder to complete*)

Details	Unit Price \$
Soft" X-Ray Cabinet (radiography equipment) including delivery (FOB destination - 14 Colonnade Road, Suite 280, Ottawa, Ontario) and training.	