



Royal Canadian Gendarmerie royale
Mounted Police du Canada

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A :**

Procurement & Contracting Services
Bid Receiving Unit
VISITOR'S CENTRE
73 Leikin Drive
Ottawa, Ontario K1A 0R2
Canada
Attn.: Megan McCoy

**REQUEST FOR
PROPOSAL**

**DEMANDE DE
PROPOSITION**

Proposal to: Royal Canadian Mounted Police

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 : Gendarmerie royale du 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 appendices ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments: - Commentaries :

THIS DOCUMENT CONTAINS A SECURITY
REQUIREMENT

LE PRESENT DOCUMENT COMPORTE UNDE
EXIGENCE EN MATIERE DE SECURITE

Title – Sujet Mail Screening X-Ray Machine		Date January 12th, 2015
Solicitation No. – N° de l'invitation 201501900		
Client Reference No. - No. De Référence du Client 201501900		
Solicitation Closes – L'invitation prend fin		
At / à :	02 :00	EST (Eastern Standard Time) HNE (heure normale de l'Est)
On / le :	January 28th, 2015	
F.O.B. – F.A.B See herein — Voir aux présentes	GST – TPS See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à Candice Therien (Candice.Therien@rcmp-grc.gc.ca)		
Telephone No. – No. de téléphone 613-843-3826		Facsimile No. – No. de télécopieur 613-825-0082

Delivery Required – Livraison exigée See herein — Voir aux présentes	Delivery Offered – Livraison proposée
Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:	
Telephone No. – No. de téléphone	Facsimile No. – No. 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



TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Requirement
3. Debriefings
4. Procurement Ombudsman

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
3. Security Requirement

PART 5 – CERTIFICATIONS

1. Mandatory Certifications Required Precedent to Contract Award
2. Additional Certifications Precedent to Contract Award

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. 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. Procurement Ombudsman
12. SACC Manual Clauses
13. Shipping Instructions

List of Annexes:

- | | |
|---------|------------------|
| Annex A | Requirement |
| Annex B | Basis of Payment |



Annex C Security Requirements Check List
Annex D Mandatory Requirements and Evaluation Grid

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is a security requirement associated with the requirement. For additional information, consult Part 4 - Evaluation Procedures and Basis of Selection, and Part 6 - Resulting Contract Clauses.

2. Requirement

The requirement is detailed under Part 2 of the Resulting Contract Clauses and Annex A - Requirement

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.

4. Procurement Ombudsman

The Office of the Procurement Ombudsman (OPO) was established by the Government of Canada to provide an independent avenue for suppliers to raise complaints regarding the award of contracts under \$25,000 for goods and under \$100,000 for services. You have the option of raising issues or concerns regarding the solicitation, or the award resulting from it, with the OPO by contacting them by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca. You can also obtain more information on the OPO services available to you at their website at www.opo-boa.gc.ca.

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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Revision to Departmental Name: As this solicitation is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

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.

Section 01 – Code of Conduct and Certification – Bid of 2003 referenced above is amended as follows:

Delete subsection 1.4 and 1.5 in their entirety.



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 (2014-06-26) Condition of Material
B1501C (2006-06-16) Electrical Equipment

2. Submission of Bids

Bids must be submitted only to RCMP Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted electronically or by facsimile to RCMP will not be accepted.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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 (4 hard copies)

Section II: Financial Bid (1 hard copies)



Section III: Certifications (1 hard copies)

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:

- 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.

1.1 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.

The technical bid consists of the following:

- a) Completed and signed page 1 of the RFP;
- b) Completed and signed page 1 of each RFP amendment, including questions and answers;
- c) Supporting documentation (Specifications, drawings and/or photos) to demonstrate compliancy to the Mandatory Technical Criteria;
- d) Completed Annex C, Mandatory Technical Criteria.

1.2 Section II: Financial Bid

The bidder must quote a firm lot price all inclusive of supply, installation, training and manuals, DDP (Destination) Incoterms 2000, Applicable Taxes extra. Freight charges to destination and all applicable Customs duties and taxes must be included.

1.2.1 Exchange Rate Fluctuation

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

1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

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

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

1.1.1 Mandatory Technical Criteria

The mandatory technical criteria are outlined in the Evaluation Grid at Annex D.

1.2 Financial Evaluation

The lowest evaluated price will be established using the following criteria:

- a) The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, Canadian customs duties and excise taxes included. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of closing.
- b) Prices will be evaluated on DDP Destination Incoterms 2000.

2. Basis of Selection – Lowest Price

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.

3. Security Requirement

Before award of a contract the bidder's proposed resources must hold a valid Facility Access Security Clearance issued by the Royal Canadian Mounted Police (RCMP).

The Bidder recommended for award must:

- a) Provide personal data including the full name, date of birth, present address and other data as requested by the RCMP representative, for each of the bidder's proposed resource(s) requiring access to sensitive work site(s). This information will be used for security clearance purposes. Fingerprinting may be required. This information should be provided within 5 working days of request.
- b) Ensure that all the bidder's proposed resources requiring access to sensitive work site(s) hold a valid Facility Access clearance issued by RCMP Departmental Security.

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

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 the Standard Instructions identified in this solicitation. 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Human Resources and Skills Development Canada \(HRSDC\) - Labour's](http://www.hrsdc.gc.ca) 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list at the time of contract award.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

2.1 Former Public Servant Certification

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, bidders must provide the information required below before contract award.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs



to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c.C-17, the *Defence Services Pension Continuation Act*, 1970, c.D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c.R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c.R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c.M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes () No ()**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.



PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

- (a) The Contractor's personnel requiring access to classified or protected information, assets or sensitive work site(s) is required to be security cleared at the level of Facility Access as verified by the Personnel Security Unit (PSU) of the Royal Canadian Mounted Police (RCMP).
- (b) The Contractor's personnel must not remove or make copies of any designated or classified information or assets from the identified work site(s) and the Contractor must ensure that its personnel are made aware of and comply with this restriction.
- (c) The Contractor must comply with the provisions of the Security Requirements Check List in Annex C.

2. Requirement

The Royal Canadian Mounted Police has a requirement for the supply, delivery and installation of one (1) Mail Screening X-Ray Machine complete with training and manuals as per specifications detailed at Annex A – Requirement.

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)(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Revision to Departmental Name: As this contract is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

3.1 General Conditions

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

Section 29 - Code of Conduct and Certifications - Contract of 2010A referenced above is amended as follows:

Delete subsection 29.4 in its entirety.

3.2 Supplemental General Conditions

4001 (2013-01-28) Hardware Purchase, lease and Maintenance
4003 (2010-08-16) Licensed Software

4. Term of Contract

4.1 Delivery Date

All deliverables must be received on or before March 31st, 2015.



5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Candice Therien
Title: Supply Officer
Organization: Royal Canadian Mounted Police
Address: 73 Leikin Drive, Ottawa, Ontario K1A 0R2

Telephone: 613-843-3826
Facsimile: 613-825-0082
E-mail address: Candice.therien@rcmp-grc.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:

(To be specified at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

The Technical Authority 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 (Bidder to complete)

The telephone number of the person responsible for:

General Enquiries

Name: _____
Title: _____
Telephone No: _____
Facsimile No: _____
E-mail address: _____

Delivery Follow-up

Name: _____
Title: _____
Telephone No: _____
Facsimile No: _____
Email address: _____



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 a firm lot price, DDP Incoterms 2000, in accordance with Annex B, Basis of Payment for a cost of \$ _____ (*To be specified at contract award*). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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 Single Payments

SACC Manual clause H1000C (2008-05-12) Single Payment

7. Invoicing Instructions

- 7.1 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.
- 7.2 Invoices must be distributed as follows:
 - a) The original and one copy must be forwarded to the Technical Authority identified under the section entitled "Authorities" of the Contract for certification and payment.
 - b) Upon request, one 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) these Articles of Agreement;
- b) the supplemental conditions 4001 (2013-01-28) Hardware Purchase, lease and Maintenance; 4003 (2010-08-16) Licensed Software.



- c) the general conditions 2010A (2013-04-25) General Conditions - Goods (Medium Complexity);
- d) Annex "A", Requirement;
- e) Annex "B", Basis of Payment
- f) Annex "C", Security Requirements Check List
- g) the Contractor's bid dated _____. (To be specified at contract award)

11. Procurement Ombudsman

11.1 Dispute Resolution Services

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

11.2 Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

12. SACC Manual Clauses

B1501C	Electrical Equipment	2006-06-16
G1005C	Insurance	2008-05-12
A9068C	Government Site Regulations	2010-01-11

13 Shipping Instructions – Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

DDP Delivered Duty Paid (Ottawa, Ontario) Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risks of transport, and customs clearance, including the payment of customs duties and taxes.



ANNEX A REQUIREMENT

1.0 SCOPE

The Royal Canadian Mounted Police (RCMP) has a requirement for the supply and installation of one (1) Mail Screening X-Ray Machine complete with training and manuals. The Mail Screening X-Ray Machine is for the security screening and scanning of incoming mail and parcels.

2.0 Mandatory Equipment Specifications

2.1 Detection Capacities – Items and Substances of Interest:

Mail Screening X-Ray Machine must be able to:

- 2.1.1 view discrete threat objects;
- 2.1.2 detect materials (including liquids, solids and powders);
- 2.1.3 differentiate between metals, organics, non-organics, liquids and powders;
- 2.1.4 work on a four (4) generator system for advance detection algorithms of bulk explosives and liquid detection;
- 2.1.5 provide a four-sided view of objects; and
- 2.1.6 Provide threat image protection software.

2.2 Monitor/Display Requirement:

- 2.2.1 The system must be able to produce two images that are displayed simultaneously on two 20" color LCD monitors with 1280 x 1024 minimum screen resolution;
- 2.2.2 Must be capable of displaying 256 grey scales or 256 distinct colors; and
- 2.2.3 Must use standard commercial industrial video connection (e.g. SVGA or HDM1).

2.3 RCMP Physical Environment and Performance Needs:

The following specifications form minimum acceptability for the overall dimension of the Mail Screening X-Ray Machine:

- 2.3.1 Overall length with conveyor belt or with short nose conveyer belt: maximum of 3500 mm;
- 2.3.2 Overall width: minimum 1000 mm to maximum 1500 mm;
- 2.3.3 Overall height: minimum 1250 mm to maximum 1700 mm;
- 2.3.4 Tunnel Opening: minimum 750 X 850 mm;



2.3.5 Conveyor belt package with minimum capacity of 50 kg.

2.3.6 Machine must be able to fit in the following enclosure: 5918.2mm length x 4318.0mm Width

2.4 Environmental Operating Conditions:

The Mail Screening X-Ray machine must be able to operate within the following minimum and maximum environmental conditions:

2.4.1 Storage temperature range: -10°C to 50°C

2.4.2 Operating temperature range: 0°C to 40°C

2.4.3 Relative Humidity range: 10 to 90% (non-condensing)

2.4.4 Maximum allowable noise level: <65dB (A)

2.5 Power Requirements

The Mail Screening X-Ray machine must be powered from a standard electrical outlet:

2.5.1 Voltage: 110 – 120 VAC \pm 10%; 15 amps maximum

2.5.2 Frequency: 60 Hz \pm 1.5%

2.5.3 Transient: Up to five times nominal voltages for up to 100 ms durations

2.5.4 Any change in the source of the input power or any fluctuation within the above limits shall not cause damage to the unit, nor shall it cause the un-commanded generation of x-rays.

2.5.5 The system must not generate x-rays when power is first turned on or following any power failure, except as required for internal system calibration.

2.6 Uninterruptable Power Supply (UPS)

2.6.1 The system must include an uninterruptible power supply (UPS) capable of providing power for a minimum of 1.5 times the manufacturer's recommended time for controller shutdown procedures.

2.6.2 The UPS must audibly and visually indicate when it is in operation. The system must also display an estimated time to exhaustion under maximum load whether through the X-Ray graphical user interface or independently.

2.7 Continuous Operation Requirements

2.7.1 The X-Ray must be continuous duty rated.

2.8 Mechanical and Functional Design and Specification

The Mail Screening X-Ray Machine must have the following mechanical and /or functional characteristics:

2.8.1 Clear labeling of and easy access to all controls and test points required for calibration and testing;

2.8.2 Clear labeling permanently affixed to the exterior of the unit identifying the manufacturer, the model or assembly number, the serial number and the main power source;



- 2.8.3 Indicator lights at both ends of tunnel opening which illuminate when the X-Ray generators are functioning;
- 2.8.4 Password protection to prevent unauthorized operation of scanner or modifying control settings;
- 2.8.5 Separate password-protected security levels of access for Operators, Supervisors, Administrators and Technicians with defined customizable settings, privileges and restrictions;
- 2.8.6 Equipped with a package counter;
- 2.8.7 Free programmable keys;
- 2.8.8 Built-in test and diagnostic functions to allow operators and service technicians to view critical information and identify/resolve issues efficiently;
- 2.8.9 Equipped with a minimum of (1) "Emergency-Stop" button;
- 2.8.10 Scanner must operate and scan in both forward and reverse direction (bi-directional scanning);
- 2.8.11 Auto reverse feature to ensure incomplete scan or trailing objects are automatically rescanned;
- 2.8.12 Must have the capability to examine four (4) sides of an item being scanned, and provide a four (4) high-resolution and detailed view (four view) using a single x-ray projection, notwithstanding the object's orientation on the conveyor belt;
- 2.8.13 Automatic X-Ray generator warm up - (no technician required);
- 2.8.14 X-Ray generator with optimized spectrum.

2.9 Image Recall and Archiving

The X-Ray must have the following image recall and archiving characteristics:

- 2.9.1 USB port located on external panel for ease of providing software updates and archive downloading;
- 2.9.2 Ability to export images in multiple common data formats (e.g. JPEG, BMP);
- 2.9.3 Review feature of last ten (10) articles scanned, for immediate reference and recall by operator;
- 2.9.4 Multi-energy (tri-material classification) (orange, green, blue);
- 2.9.5 Organic/inorganic stripping;
- 2.9.6 Continuously variable contrast adjustment (grey scale);
- 2.9.7 Enlargement up to sixteen (16) times of original dimension;
- 2.9.8 Zoom overview and stepless zoom;
- 2.9.9 Automatic detection explosive, narcotic and liquids;
- 2.9.10 High-resolution XADA sensor technology;



2.9.11 Automatic image archiving with date and time stamp;

2.9.12 Reverse video (black and white and color);

2.9.13 High density alert;

2.9.14 Pseudo color; and

2.9.15 High penetration and low penetration.

2.10 Interference

2.10.1 The performance of the X-Ray must not be affected by the presence and use of standard electronic equipment.

2.10.2 The system must not interfere with any standard office electronic equipment at a minimum distant of one (1) meter or more.

2.11 Safety Requirement/Standards

The X-Ray must comply with the following Canadian Health and Safety regulation, laws and or codes:

- i. Radiation Emitting Devices Act, Radiations Emitting Devices (RED) Regulations, Schedule 2 Part IV: inclusive of the following:
 - o Must include two (2) solid metal shrouds which extend 50 cm from curtains to provide physical barrier to prevent reaching into lead curtain area
 - o Must include operator present device such as foot-mat
 - o Must include bilingual radiation safety labeling
 - o X-ray "on" lights must be visible 360 degrees around scanner
 - o The average exposure rate of X-Rays, averaged over a period that is not less than 5 minutes, to an object having a 10 square centimeter cross section and centered at 5 centimeters from any accessible external surface of the device or from the imaginary plane surface that is drawn to close openings of the device, where packages are inserted or removed does not exceed 0.5 mill roentgen per hour;
- ii. Health Canada. Requirement for the Safe Use of Baggage X-Ray Inspection System; Safety Code 29; inclusive of Section 3.1 (3) which ensures the radiation safety training program has been reviewed and approved by Health Canada (Radiation Protection Regulatory Authority) furthermore the annual radiation survey per Health Canada Safety Code 29 included for a five years (located at <http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/code-29/index-eng.php>)
- iii. Canadian Standards Association, Canadian Electrical Code;
- iv. Must be compliant with Canadian Labor Code applicable sections of CLC Part II, Section 125 (g), Section 10.26 (3), Section 126 (1) (b), Section 126 (1) (c);



- v. Supplier will register the scanner with the appropriate Regulator (Ministry of Labour, Radiation Protection Bureau) and provide all license application documentation including site plans, CAD drawings, completion of Form 1 and Form 2 a and 2 b prior to installation of system.
- vi. All other relevant Federal, Provincial, and Municipal statutes and regulations in effect at the time and place of installation.

3.0 Warranty

The Mail Screening X-Ray machine must come with a minimum three (3) year extended warranty covering all parts, labor and software updates/upgrades

4.0 Manuals

One complete set of operator and maintenance instructions in English and in French or in Bilingual format must be provided with the system.

5.0 Installation and Removal and Disposal of Existing Equipment

a) Installation

On-site installation of the system must be provided and be carried out by a qualified service technician.

b) Removal and Disposal of Existing Equipment

Removal and disposal of one (1) existing Mail Screening X-Ray machine which includes de-commissioning, packaging and removal of the equipment must be provided and included in the firm lot price.

6.0 Training

On-site Operator Training (Ottawa, Ontario) must be provided in French and English for up to 15 users covering Installation testing, safety requirements, Periodic Calibration (including daily confirmation test), Routine Maintenance by Operator (including cleaning), Troubleshooting, hardware maintenance procedures and software usage and included in the firm lot price, travel and living included.

For all training provided by the manufacturer, an official Certificate of Completion must be given to RCMP operators once they have completed the training. The training session and training materials must be available in either official language as required. For each training session, each RCMP designate must receive a hard-copy of the training materials/manuals. Any electronic presentations provided in complement to the training sessions must be forwarded to the RCMP Technical Authority for archival purposes and future reference.

The exact date, time and location of the training will be mutually agreed upon between the Contractor and the Technical Authority stated herein.

7.0 Service and Maintenance

Purchase of the system must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system.

On-site service must be available Monday to Friday between the business hours of 8:00 am to 4:00 pm, local time, excluding statutory holiday.

Response for on-site service must be within two (2) business days of receipt of request. If a system is down for more than 2 consecutive days, a replacement unit must be provided at no additional costs.



ANNEX B
BASIS OF PAYMENT

Firm lot price, in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax is extra. Canadian Customs duties and excise taxes included.

Firm lot price, as specified below, all inclusive of supply, installation, training and manuals, including the removal and disposal of existing equipment, DDP (Delivered Duty Paid), Incoterms 2000

Item Description	Part No./Serial No.	Qty	Firm Lot Price
Mail Screening X-Ray Machine as detailed at Annex A, including <ul style="list-style-type: none">• Installation• Manuals• Training• Removal and disposal• Service and maintenance• Extended warranty DDP (Ottawa, Ontario), including all customs duties, transport and delivery charges		1	\$
Total			\$



ANNEX C
SECURITY REQUIREMENTS CHECK LIST



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat 201501900
Security Classification / Classification de sécurité Confidential with Attachment

SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine RCMP	2. Branch or Directorate / Direction générale ou Direction CO-NHQ	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Installation and fit-up of X-Ray mail and parcel screening machine and applicable services and maintenance requirement. Removal and disposal of old X-Ray machine		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Non Oui		
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of Information / Niveau d'information		
PROTECTED A <input type="checkbox"/>	NATO UNCLASSIFIED <input type="checkbox"/>	PROTECTED A <input type="checkbox"/>
PROTÉGÉ A <input type="checkbox"/>	NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTÉGÉ A <input type="checkbox"/>
PROTECTED B <input type="checkbox"/>	NATO RESTRICTED <input type="checkbox"/>	PROTÉGÉ B <input type="checkbox"/>
PROTÉGÉ B <input type="checkbox"/>	NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTÉGÉ C <input type="checkbox"/>
PROTECTED C <input type="checkbox"/>	NATO CONFIDENTIAL <input type="checkbox"/>	CONFIDENTIAL <input type="checkbox"/>
PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIEL <input type="checkbox"/>	CONFIDENTIEL <input type="checkbox"/>
CONFIDENTIAL <input type="checkbox"/>	NATO SECRET <input type="checkbox"/>	SECRET <input type="checkbox"/>
CONFIDENTIEL <input type="checkbox"/>	COSMIC TOP SECRET <input type="checkbox"/>	SECRET <input type="checkbox"/>
SECRET <input type="checkbox"/>	COSMIC TRÈS SECRET <input type="checkbox"/>	TOP SECRET <input type="checkbox"/>
SECRET <input type="checkbox"/>		TRÈS SECRET <input type="checkbox"/>
TOP SECRET <input type="checkbox"/>		TOP SECRET (SIGINT) <input type="checkbox"/>
TRÈS SECRET <input type="checkbox"/>		TRÈS SECRET (SIGINT) <input type="checkbox"/>
TOP SECRET (SIGINT) <input type="checkbox"/>		
TRÈS SECRET (SIGINT) <input type="checkbox"/>		

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité
Confidential with Attachment

Canada



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

Security Classification / Classification de sécurité
Confidential with Attachment

PART A (continued) / PARTIE A (suite)		
8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets? Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? If Yes, indicate the level of sensitivity: Dans l'affirmative, indiquer le niveau de sensibilité :	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
9. Will the supplier require access to extremely sensitive INFOSEC information or assets? Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? Short Title(s) of material / Titre(s) abrégé(s) du matériel : Document Number / Numéro du document :	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)		
10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis		
<input type="checkbox"/> RELIABILITY STATUS CÔTE DE FIABILITÉ	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET
<input type="checkbox"/> TOP SECRET - SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET
<input checked="" type="checkbox"/> SITE ACCESS ACCÈS AUX EMPLACEMENTS		<input type="checkbox"/> TOP SECRET TRÈS SECRET
		<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
Special comments: Commentaires spéciaux : <u>Site Access to Loading Dock where unknown level of information may be packaged</u>		
NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided. REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.		
10. b) May unscreened personnel be used for portions of the work? Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? If Yes, will unscreened personnel be escorted? Dans l'affirmative, le personnel en question sera-t-il escorté?	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)		
INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS		
11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises? Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?	<input type="checkbox"/> No Non	<input checked="" type="checkbox"/> Yes Oui
11. b) Will the supplier be required to safeguard COMSEC information or assets? Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
PRODUCTION		
11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises? Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)		
11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data? Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui
11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency? Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?	<input checked="" type="checkbox"/> No Non	<input type="checkbox"/> Yes Oui



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

Security Classification / Classification de sécurité
Confidential with Attachment

PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉE			NATO				COMSEC			
	A	B	C	CONFIDENTIAL CONFIDENTIEL	SECRET	TOP SECRET TRÈS SECRET	NATO RESTRICTED NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL NATO CONFIDENTIEL	NATO SECRET	COMSEC TOP SECRET COMSEC TRÈS SECRET	PROTECTED PROTÉGÉ			TOP SECRET TRÈS SECRET
											A	B	C	
Information / Assets Renseignements / Biais Production		✓												
IT Media / Support TI														
IT Link / Lien électronique														

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? ☒ No / Non ☐ Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? ☐ No / Non ☒ Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



ANNEX D

Mandatory Requirements and Evaluation Grid

The Bidder must provide documentation (example instrument specification, publication, and documented data) demonstrating that their proposed products meet all the technical specifications listed below under the Mandatory Technical Specifications. When published documentation does not demonstrate compliance, a written narrative demonstrating compliance will be accepted. Canada reserves the right to verify any and all information

ITEM	MANDATORY SPECIFICATION	SUBSTANTIATE IN DETAIL HOW THIS REQUIREMENT IS MET OR CROSS REFERENCE TO TECHNICAL OFFER (PAGE & PARAGRAPH)
2.0	Mandatory Equipment Requirement	
2.1	Detection Capacities – Items and Substances of Interest	
2.1.1	Must be able to view discrete threat objects	
2.1.2	Must be able to detect materials (including liquids, solids and powders)	
2.1.3	Must be able to differentiate between metals, organics, non-organics, liquids and powders;	
2.1.4	Must be able to work on a four (4) generator system for advance detection algorithms of bulk explosives and liquid detection	
2.1.5	Must be able to provide a four-sided view of objects	
2.1.6	Must be able to provide threat image protection software	
2.2	Monitor/Display Requirement	
2.2.1	The system must be able to produce two images that are displayed simultaneously on two 20" color LCD monitors with 1280 x 1024 minimum screen resolution;	
2.2.2	Must be capable of displaying 256 grey scales or 256 distinct	
2.2.3	Must use standard commercial industrial video connection (e.g. SVGA or HDM1)	
2.3	RCMP Physical Environment and Performance Needs	
	The following specifications form minimum acceptability for the overall dimension of the Mail Screening X-Ray Machine	
2.3.1	Overall length with conveyor belt or with short nose conveyor belt must be a maximum of 3500 mm	
2.3.2	Overall width: minimum 1000 mm to maximum 1500 mm	
2.3.3	Overall height: minimum 1250 mm to maximum 1700 mm	
2.3.4	Tunnel Opening: minimum 750 X 850 mm	
2.3.5	Conveyor belt package must have a minimum capacity of 50 kg	
2.3.6	Machine must be able to fit in the following enclosure: 5918.2mm length x 4318.0mm Width	
2.4	Environmental Operating Conditions	
	The Mail Screening X-Ray machine must be able to operate within the following minimum and maximum conditions:	
2.4.1	Storage temperature range:-10°C to 50°C	
2.4.2	Operating temperature range: 0°C to 40°C	
2.4.3	Relative Humidity range: 10 to 90% (non-condensing)	



2.4.4	Maximum allowable noise level must be <65dB (A)	
2.5	Power Requirements	
	The Mail Screening X-Ray machine must be powered from a standard electrical outlet	
2.5.1	Voltage: 110 – 120 VAC \pm 10%; 15 amps maximum	
2.5.2	Frequency: 60 Hz \pm 1.5%	
2.5.3	Transient: Up to five times nominal voltages for up to 100 ms durations	
2.5.4	Any change in the source of the input power or any fluctuation within the above limits must not cause damage to the unit, nor shall it cause the un-commanded generation of x-rays.	
2.5.5	The system must not generate x-rays when power is first turned on or following any power failure, except as required for internal system calibration.	
2.6	Uninterruptable Power Supply (UPS)	
2.6.1	The system must include an uninterruptible power supply (UPS) capable of providing power for a minimum of 1.5 times the manufacturer's recommended time for controller shutdown procedures.	
2.6.2	The UPS must audibly and visually indicate when it is in operation. The system must also display an estimated time to exhaustion under maximum load whether through the X-Ray graphical user interface or independently	
2.7	Continuous Operation Requirements	
2.7.1	The X-Ray must be continuous duty rated.	
2.8	Mechanical and Functional Design and Specification	
2.8.1	Must have clear labeling of and easy access to all controls and test points required for calibration and testing	
2.8.2	Must have clear labeling permanently affixed to the exterior of the unit identifying the manufacturer, the model or assembly number, the serial number and the main power source	
2.8.3	Must have Indicator lights at both ends of tunnel opening which illuminate when the X-Ray generators are functioning	
2.8.4	Must have password protection to prevent unauthorized operation of scanner or modifying control settings	
2.8.5	Must have separate password-protected security levels of access for Operators, Supervisors, Administrators and Technicians with defined customizable settings, privileges and restrictions	
2.8.6	Must be equipped with a package counter	
2.8.7	Must have free programmable keys	
2.8.8	Must have built-in test and diagnostic functions to allow operators and service technicians to view critical information and identify/resolve issues efficiently	
2.8.9	Must be equipped with a minimum of (1) "Emergency-Stop" button;	
2.8.10	Scanner must operate and scan in both forward and reverse direction (bi-directional scanning)	
2.8.11	Must have an auto reverse feature to ensure incomplete scan or trailing objects are automatically rescanned	
2.8.12	Must have the capability to examine four (4) sides of an	



	item being scanned, and provide a four (4) high-resolution and detailed view (four view) using a single x-ray projection, notwithstanding the object's orientation on the conveyor belt	
2.8.13	Must have automatic X-Ray generator warm up - (no technician required);	
2.8.14	Must have X-Ray generator with optimized spectrum	
2.9	Image Recall and Archiving	
2.9.1	Must have a USB port located on external panel for ease of providing software updates and archive downloading	
2.9.2	Must be capable of exporting images in multiple common data formats (e.g. JPEG, BMP)	
2.9.3	Must be able to display on-screen view of last ten (10) articles scanned, for immediate reference and recall by operator	
2.9.4	Must have Multi-energy (tri-material classification) (orange, green, blue) marking	
2.9.5	Must be capable of organic/inorganic stripping	
2.9.6	Must have continuous variable contrast adjustment (grey scale);	
2.9.7	Must be capable of enlarging image up to sixteen (16) times the original dimension	
2.9.8	Must have Zoom overview and stepless zoom	
2.9.9	Must have automatic detection explosive, narcotic and liquids	
2.9.10	Must have high-resolution XADA sensor technology	
2.9.11	Must have automatic image archiving with date and time stamp	
2.9.12	Must be able to reverse video (black and white and color)	
2.9.13	Must have high density alert	
2.9.14	Must produce Pseudo color images	
2.9.15	Must be capable of high penetration and low penetration	
2.10	Interference	
2.10.1	The performance of the X-Ray must not be affected by the presence and use of standard electronic equipment.	
2.10.2	The system must not interfere with any standard office electronic equipment at a minimum distant of one (1) meter or more.	
2.11	Safety Requirement/Standards	
2.11.1	<p>Radiation Emitting Devices Act, Radiations Emitting Devices (RED) Regulations, Schedule 2 Part IV: inclusive of the following:</p> <ul style="list-style-type: none"> ○ Must include two (2) solid metal shrouds which extend 50 cm from curtains to provide physical barrier to prevent reaching into lead curtain area ○ Must include operator present device such as foot-mat ○ Must include bilingual radiation safety labeling ○ X-ray "on" lights must be visible 360 degrees around scanner ○ The average exposure rate of X-Rays, averaged over a period that is not less than 5 minutes, to an object 	



	having a 10 square centimeter cross section and centered at 5 centimeters from any accessible external surface of the device or from the imaginary plane surface that is drawn to close openings of the device, where packages are inserted or removed does not exceed 0.5 mill roentgen per hour;	
2.11.2	Health Canada. Requirement for the Safe Use of Baggage X-Ray Inspection System; Safety Code 29; inclusive of Section 3.1 (3) which ensures the radiation safety training program has been reviewed and approved by Health Canada (Radiation Protection Regulatory Authority) furthermore the annual radiation survey per Health Canada Safety Code 29 included for a five years (located at http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/code-29/index-eng.php)	
2.11.3	Canadian Standards Association, Canadian Electrical Code;	
2.11.4	Must be compliant with Canadian Labor Code applicable sections of CLC Part II, Section 125 (g), Section 10.26 (3), Section 126 (1) (b), Section 126 (1) (c);	
2.11.5	Supplier will register the scanner with the appropriate Regulator (Ministry of Labour, Radiation Protection Bureau) and provide all license application documentation including site plans, CAD drawings, completion of Form 1 and Form 2 a and 2 b prior to installation of system.	
2.11.6	All other relevant Federal, Provincial, and Municipal statutes and regulations in effect at the time and place of installation.	
3.0	Warranty	
3.1	The Mail Screening X-Ray machine must come with a minimum three (3) year extended warranty covering all parts, labor and software updates/upgrades	