



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

**Bid Receiving Public Works and Government  
Services Canada/Réception des  
soumissions/Travaux publics et Services  
gouvernementaux Canada**  
Building S-111, Rm C-114  
101 Menin Rd. Garrison Petawawa  
Petawawa  
Ontario  
K8H 2X3  
Bid Fax: (613) 687-6656

**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**

Address inquiries to the Contracting Authority at wayne.cook@pwgsc-tpsgc.gc.ca

<b>Title - Sujet</b> deployable CT scanner	
<b>Solicitation No. - N° de l'invitation</b> W6369-18A019/B	<b>Date</b> 2019-02-04
<b>Client Reference No. - N° de référence du client</b> W6369-18A019	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PET-906-1555	
<b>File No. - N° de dossier</b> PET-8-49007 (906)	<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 2019-03-18</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input checked="" type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Cook, Wayne	<b>Buyer Id - Id de l'acheteur</b> pet906
<b>Telephone No. - N° de téléphone</b> (613) 401-0623 ( )	<b>FAX No. - N° de FAX</b> (613) 687-6656
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**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**

Public Works and Government Services Canada Supply and  
Services Operation  
Petawawa Procurement  
Building S-111, Rm C-114  
101 Menin Rd. Garrison Petawawa  
Petawawa  
Ontario  
K8H 2X3

<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</b> <b>(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>

**THIS DOCUMENT CONTAINS A SECURITY REQUIREMENT / CE DOCUMENT CONTIENT DES  
EXIGENCES RELATIVES À LA SÉCURITÉ**

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W6369-18A019/B  
Client Ref. No. - N° de réf. du client  
W6369-18A019

Amd. No. - N° de la modif.  
File No. - N° du dossier  
PET-8-49007

Buyer ID - Id de l'acheteur  
PET906  
CCC No./N° CCC - FMS No./N° VME

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Introduction**

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by Bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, the Basis of Payment, Security Requirements, the Security Requirements Checklist, the Electronic Payment Instruments, the Federal Contractors Program for Employment Equity - Certification, the Insurance Requirements, the DND 626 Task Authorization Form and any other annexes.

### **1.2 Summary**

- 1.2.1 The Canadian Forces Health Services Group (CF H Svcs GP) requires an initial purchase of one (1) containerized Computed Tomography Scanner (CT Scanner) system with an option to purchase an additional one (1) containerized CT Scanner system over the next three (3) years. There is also a requirement for both CT Scanner Operator Training for Diagnostic Imaging Technologist and CT Scanner Field Service Engineer Technical Training for CF H Svcs Gp Biomedical Engineering Technologist. The CT Scanner must meet the regulatory standards and technical specifications listed in Section 4 of the Requirement.

Contract period: From date of award till March 31, 2023

Delivery point: Garrison Petawawa

- 1.2.2 There are security requirements associated with this requirement. For additional information, consult Part 6 - Security, Financial and Other Requirements, and Part 7 - Resulting Contract Clauses. For more information on personnel and organization security screening or security clauses, Bidders should refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.
- 1.2.3 The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the

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Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

1.2.4 This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

### 1.3 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### 1.4 Phased Bid Compliance Process

The Phased Bid Compliance Process applies to this requirement.

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 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.

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](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

### 2.2 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 in the bid solicitation.

Bid Receiving Public Works and Government Services Canada  
Petawawa Procurement  
Building S-111, Rm C-114  
101 Menin Rd. Garrison Petawawa  
Petawawa, Ontario, K8H 2X3  
Bid Fax: (613) 687-6656  
Email address for epost Connect service: [TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca)

Bids/Offeres will not be accepted if emailed directly to this email address. This email is to initiate and epost Connect conversation, as detailed in the Standard Instructions.

### 2.3 Enquiries - Bid Solicitation

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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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## **2.4 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**

### **3.1 Bid Preparation Instructions**

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copy)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)  
Section IV: Additional Information (1 hard copy)

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

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other 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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). 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.

## **Section I: Technical Bid**

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability by indicating the page number on Annex C as to how they meet the Mandatory Technical criteria with their supporting documentation in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

## **Section II: Financial Bid**

**3.1.1** Bidders must submit their financial bid in accordance with the basis of payment in Annex "B".

### **3.1.2 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "F" Electronic Payment Instruments, to identify which ones are accepted.

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If Annex "F" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

### 3.1.3 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

### Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 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. Not all members of the evaluation team will necessarily participate in all aspects of the evaluation.
- (c) Canada will use the Phased Bid Compliance Process described below.

#### 4.1.1 Phased Bid Compliance Process

##### 4.1.1.1 (2018-07-19) General

- (a) Canada is conducting the PBCP described below for this requirement.
- (b) Notwithstanding any review by Canada at Phase I or II of the PBCP, Bidders are and will remain solely responsible for the accuracy, consistency and completeness of their Bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

THE BIDDER ACKNOWLEDGES THAT THE REVIEWS IN PHASE I AND II OF THIS PBCP ARE PRELIMINARY AND DO NOT PRECLUDE A FINDING IN PHASE III THAT THE BID IS NON-RESPONSIVE, EVEN FOR MANDATORY

REQUIREMENTS WHICH WERE SUBJECT TO REVIEW IN PHASE I OR II AND NOTWITHSTANDING THAT THE BID HAD BEEN FOUND RESPONSIVE IN SUCH EARLIER PHASE. CANADA MAY DEEM A BID TO BE NON-RESPONSIVE TO A MANDATORY REQUIREMENT AT ANY PHASE.

THE BIDDER ALSO ACKNOWLEDGES THAT ITS RESPONSE TO A NOTICE OR A COMPLIANCE ASSESSMENT REPORT (CAR) (EACH DEFINED BELOW) IN PHASE I OR II MAY NOT BE SUCCESSFUL IN RENDERING ITS BID RESPONSIVE TO THE MANDATORY REQUIREMENTS THAT ARE THE SUBJECT OF THE NOTICE OR CAR, AND MAY RENDER ITS BID NON-RESPONSIVE TO OTHER MANDATORY REQUIREMENTS.

- (c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.
- (d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2018-05-22) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- (e) Canada will send any Notice or CAR by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

#### **4.1.1.2 (2018-03-13) Phase I: Financial Bid**

- (a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.
- (b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- (c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- (d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.

- (e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- (f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- (g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.
- (h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

#### **4.1.1.3 (2018-03-13) Phase II: Technical Bid**

- (a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- (b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- (c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.

- (d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.
- (e) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.
- (f) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.
- (g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase or decrease any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid, but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid
- (h) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- (i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

#### 4.1.1.4 (2018-03-13) Phase III: Final Evaluation of the Bid

- (a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

#### **4.1.2 (2017-07-31) Technical Evaluation**

##### **4.1.2.1 (2017-07-31) Mandatory Technical Criteria**

The Phased Bid Compliance Process will apply to all mandatory technical criteria.  
Found in Annex C

#### **4.1.3 Financial Evaluation**

##### **4.1.3.1 Mandatory Financial Criteria**

The Bidders must submit its bid pricing in accordance with Annex B – Basis of Payment, in Canadian Funds.

Bidders must provide pricing for all items listed in Annex B – Basis of Payment, Pricing basis A through D inclusive.

The Annex B – Basis of Payment options provided in Pricing Bases C and D are for the sole purpose of establishing an evaluation tool, based on best estimate and in no way reflect the actual usage's expected or any commitment on part of the Crown.

Bidders will be evaluated based on the prices detailed in Annex B –Basis of Payment, Pricing Bases A through D inclusive.

Definition Cost Per course: The Cost Per Course is the price bid by the Bidder for the one course.

Definition of Extended Price (Equipment): The Firm Unit Price multiplied by the Quantity of units.

Definition of Extended Price (Services): The Price per Course multiplied by the Quantity of Courses.

Definition of Evaluated Price: The Evaluated Price is the sum of all the extended prices.

**4.1.3.2** The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP Canadian customs duties and excise taxes included.

#### **4.2 Basis of Selection**

#### **4.2.1 Mandatory Technical Criteria**

SACC *Manual* Clause [A0031T](#) (2010-08-16), Basis of Selection – Mandatory Technical Criteria

### **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, 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 made knowingly or unknowingly, 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 and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

#### **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

##### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

#### **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

##### **5.2.1 Integrity Provisions – Required Documentation**

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

##### **5.2.2 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

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Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **6.1 Security Requirements**

1. At the date of bid closing, the following conditions must be met:
  - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
  - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 7 - Resulting Contract Clauses;
  - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. For additional information on security requirements, Bidders should refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

## **PART 7 - RESULTING CONTRACT CLAUSES**

~~Delete this title and the following sentence at contract award.~~

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### **7.1 Requirement**

The Contractor must provide the items detailed under the "Requirement" at Annex "A".

#### **7.1.1 Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described Annex A & B, Pricing Basis B – Option years one through four of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

## 7.2 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.

### 7.2.1 General Conditions

[2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

### 7.2.2 Supplemental General Conditions

[4003](#) (2010-08-16), Licensed Software, apply to and form part of the Contract.

[4010](#) (2012-07-16), Services - Higher Complexity, apply to and form part of the Contract.

## 7.3 Security Requirements

**7.3.1** The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Contract.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid *Designated Organization Screening* (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to *sensitive work site(s)* must EACH hold a valid **RELIABILITY STATUS**, granted or approved by the CISD/PWGSC.
3. Subcontracts, which contain security requirements, are NOT to be awarded without the prior written permission of the CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
  - a) *Security Requirements Check List* and Security Guide (if applicable), attached at Annex E;
  - b) *Industrial Security Manual* (Latest Edition).

## 7.4 Term of Contract

### 7.4.1 Period of the Contract

The period of the Contract is from date of Contract to 31 March 2023 inclusive

### 7.4.2 Delivery Date

All the deliverables must be received on or before 30 September 2019 for Pricing Basis A - Firm Requirement.

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### 7.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

### 7.4.4 Shipping Instructions - Free on Board Destination and Delivered Duty Paid

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

Incoterms 2000 "DDP Delivered Duty Paid" Garrison Petawawa.

## 7.5 Authorities

### 7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Wayne Cook  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Directorate: Ontario Region  
Address: 101 Menin Rd. Bldg. S-111 Rm. C-114  
4 CDSG Garrison Petawawa, Petawawa ON K8H 2X3  
Telephone: 613 – 401 - 0623  
Facsimile: 613 – 687 - 6656  
E-mail address: wayne.cook@pwgsc-tpsgc.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.

### 7.5.2 Project Authority

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_\_  
Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project 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 Project Authority; however, the

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Project 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.

### 7.5.3 Contractor's Representative

Name and telephone number of the person responsible for:

General Enquiries

Name: \_\_\_\_\_

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

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

E-mail address: \_\_\_\_\_

### 7.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada

### 7.7 Payment

#### 7.7.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit prices, as specified in Annex B. 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.

#### 7.7.2 Limitation of Price

SACC Manual clause [C6000C](#) (2017-08-17) Limitation of Price

#### 7.7.3 Single Payment

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

#### 7.7.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

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f. Large Value Transfer System (LVTS) (Over \$25M)

## 7.8 Invoicing Instructions

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.
2. Invoices must be distributed as follows:

The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment

## 7.9 Certifications and Additional Information

### 7.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

### 7.9.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

## 7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

## 7.11 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 supplemental general conditions [4003](#) (2010-08-16), Licensed Software, apply to and form part of the Contract. And [4010](#) (2012-07-16), Services - Higher Complexity, apply to and form part of the Contract;
- (c) the general conditions [2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract;
- (d) Annex A Requirement;
- (e) Annex B, Basis of Payment;
- (f) Annex E, Security Requirements Check List

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- (g) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award.*), as clarified on \_\_\_\_\_ " *or* ", as amended on \_\_\_\_\_ " *and insert date(s) of clarification(s) or amendment(s)*).

#### **7.12 Defence Contract**

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

SACC Manual clause [A9062C](#) (2011-05-16) Canadian Forces Site Regulations

#### **7.13 Insurance**

SACC Manual clause [G1005C](#) (2016-01-28) Insurance

## **ANNEX "A"**

### **REQUIREMENT**

#### **A DEPLOYABLE SELF CONTAINED COMPUTED TOMOGRAPHY SCANNER (CT Scanner)**

##### **1. INTRODUCTION**

- a. The Department of National Defence (DND), through the Canadian Forces Health Services Group (CF H Svcs Gp) has a requirement for a Computed Tomography Scanner (CT Scanner), mounted within an ISO certified deployable container, to perform diagnostic medical imaging of the internal structures of the human body. The CT scanner will be used in global deployments with the CAF Field Hospital. The CT Scanner must be self-contained in a shell resistant to extreme environmental challenges to endure transport and deployment conditions.

##### **2. SCOPE**

- a. The CF H Svcs GP requires an initial purchase of one (1) containerized CT Scanner system with an option to purchase an additional one (1) containerized CT Scanner system over the next three (3) years. There is also a requirement for both CT Scanner Operator Training for Diagnostic Imaging Technologist and CT Scanner Field Service Engineer Technical Training for CF H Svcs Gp Biomedical Engineering Technologist. The CT Scanner must meet the regulatory standards and technical specifications listed in Section 4 of this Requirement.

##### **3. REQUIREMENT**

- a. **Goods – Containerized Computed Tomography Scanner (CT Scanner)**
  - i. Initial Requirement: one (1) containerized CT Scanner,
  - ii. Options: upon request, up to one (1) additional containerized CT Scanner, over a three (3) year period.
  - iii. Please refer to Section 4 of this Requirement for detailed description and complete specifications of the containerized CT Scanner and Section 6 of this Requirement for delivery details.
- b. **Services - Training**
  - i. Initial Requirement: Two (2) Operator Training Session and two (2) Technical Service Training Sessions. Details for training requirements listed in Section 5 of this Requirement.
  - ii. Options: Additional Operations Training sessions and Technical Service Training Sessions on an as needed basis over a three (3) year period.

##### **4. STANDARDS AND SPECIFICATIONS**

- a. The CT Scanner system must have a Canadian Standards Association (CSA) certification, or equivalent ([www.csagroup.org/global/en/about-csa-group/certification-marks-labels](http://www.csagroup.org/global/en/about-csa-group/certification-marks-labels)). Equivalency must be recognized by SCC (Standard Council of Canada) ([www.scc.ca](http://www.scc.ca)).

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- b. The CT Scanner system device must have a valid, active, medical device license issued by Health Canada. The DND reserves the right, at its discretion, to verify the validity of the device license through Health Canada.
  - c. The CT Scanner Container must be Container Safety Convention (CSC) certified. Proof of CSC certification must be provided prior to DND accepting delivery.
  - d. Incorporate fork lift pockets in accordance with ISO 1496-1. Proof of ISO certification must be provided prior to DND accepting delivery.
  - e. In accordance with ISO 1161, include eight (8) ISO corners. Proof of ISO certification must be provided prior to DND accepting delivery.
  - f. The CT Scanner Container must be constructed of metal which is resistant to rust in accordance with NATO 6516/SCHPE/86. NATO 6516/SCHPE/86 equates to Salt Fog continuous corrosion test of 168 hours at a 25% saline solution to validate their effectiveness in resisting corrosion. Proof of NATO certification must be provided prior to DND accepting delivery.
  - g. The CT Scanner Container must be protected against water ingress in accordance with DEF-STAN 35 CL27. DEF-STAN 35 CL27 equates to the ability to withstand driving rain equivalent to a minimum of 200 millimeters per hour. Proof of DEF-STAN certification must be provided prior to DND accepting delivery.
  - h. The CT Scanner Container must have all doors and openings sealed against the ingress of dust in accordance with DEF STAN 07-55 Part 2 Section 4/1 Test D1. Proof of DEF-STAN certification must be provided prior to DND accepting delivery.

#### **TECHNICAL SPECIFICATIONS – CT SCANNER**

i. SCAN TIME

- i. The CT Scanner must have, as a minimum, rotation times of 0.4, 0.5, 0.75 and one (1) second to complete one (1) 360 degree gantry rotation;
- ii. When in the Cardiac Application, rotation time must not exceed 0.35 seconds for each 360 degree rotation. If applicable to cardiac requisition, partial rotation is acceptable.

j. SCAN METHOD

- i. The CT Scanner must incorporate Scout, Spiral / Helical and Axial;
- ii. The CT Scanner software must include both pediatric and infant base protocols utilizing low dose radiation;
- iii. The CT Scanner must incorporate a contrast auto-injector with real time contrast monitoring acquisition and auto-scan initiation protocols;
- iv. The CT Scanner and contrast auto-injector must include Bolus Tracking;

v. The high contrast resolution for Spiral and Axial scanning, as a minimum, must be 15 line pairs per centimeter;

vi. The low contrast resolution must be a minimum of four (4) millimeters at 0.3%.

k. SLICE THICKNESS

i. As a minimum, the CT scanner must have 128 slice acquisition with a maximum slice thickness of 0.625 millimeters per slice.

l. GANTRY

i. The aperture on the gantry must be at least 70 centimeters in diameter. The diameter of the aperture must not exceed 100 centimeters;

ii. To assist in patient positioning, the aperture opening must include position lasers with a minimum accuracy of one (1) millimeter;

iii. The acquisition Field of View (FOV) must be at least 50 centimeters for a body scan and 25 centimeters for a head scan;

iv. From the zero (0) position, the gantry must be capable of tilting with a minimum range of minus 30 to plus 30 degrees in 0.5 degree increments;

v. The gantry must incorporate control panels on the front, back, left and right side of the gantry to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off; and

vi. The gantry must incorporate a minimum of four (4) emergency stops, two (2) located on the front of the gantry and two (2) located on the back of the gantry, one (1) each on the right and left of the aperture opening.

m. X-RAY GENERATOR

i. The x-ray generator must be high frequency with an effective power output of 100 kilowatts. The DND will accept a combination of hardware and software to achieve the effective power output.

ii. The x-ray generator must have a minimum voltage range of 80 - 130kVp;

iii. The x-ray generator must have a minimum mA range of 20 – 600mA with automatic mA exposure control.

n. X-RAY TUBE

i. The x-ray tube must have a minimum small focal spot size of 0.5 millimeters to a maximum of 0.9 millimeters and a minimum large focal spot size of 1.0 millimeters to a maximum of 1.6 millimeters;

ii. The x-ray tube must have a minimum anode heat storage capacity of seven (7) million heat units (HU);

iii. The x-ray tube must be direct cooled with a minimum heat dissipation of one (1) million heat units (HU) per minute.

o. DETECTORS

i. The detector Type must be solid-state;

ii. Capable of acquiring all the quoted slices per 360 degrees of rotation;

iii. The detector array must incorporate multiple rows with a minimum of 600 detector elements per array.

p. PATIENT TABLE (COUCH)

i. The patient table top must be constructed of carbon fiber;

ii. The patient table must include both a foot pedal and handrail controls for quick, easy positioning of the table top;

iii. The patient table must be able to support a minimum load capacity of 200 kilograms;

iv. The patient table must have a minimum scan (horizontal movement) range of 170 centimeters;

v. The patient table must be capable of being lowered to a minimum height of 60cm with a minimum vertical range of 45cm;

vi. Protocol dependent, the patient table must have a minimum longitudinal (horizontal) speed of 0.5 millimeters per second (mm/s) to 185 mm/s with an accuracy of +/-0.25mm;

vii. The patient table must have a variable pitch between 0.5 and 1.4 degrees;

viii. The pitch factor must be user selectable. It must have the option to be set to manual or automatic depending on the requirements of the scan;

ix. The patient table must have a minimum of 0.5 degree pitch while in Cardiac Scanning.

q. IMAGE RECONSTRUCTION

i. The machine must have a minimum reconstruction Field of View (FOV) range of five (5) to 50 centimeters;

ii. The machine must have a minimum reconstruction rate of 20 images per second;

iii. The machine must be able to provide an image display up to 1024 x 1024 pixels;

iv. The machine must incorporate the following parallel processing capabilities;

1. Simultaneous scanning and reconstruction;

2. Simultaneous scanning and routine analysis;
  3. Simultaneous scanning and archiving;
  4. Simultaneous scanning and transferring to a secondary workstation;
- v. The machine must have a minimum of 900 Gigabytes of hard disk drive storage capacity.
- r. OPERATOR CONSOLE
- i. The operator console must include a minimum 19 inch LCD monitor (or equivalent) with a resolution of at least 1024 x 1280 pixels;
  - ii. The system interface must be user friendly with all CT Scanner functions available in selectable menus;
  - iii. Allow the operator to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off;
  - iv. Include an emergency stop to permit the operator to immediately stop the CT scan if necessary;
  - v. Include an audible or visible or audible and visible indicator when the gantry is producing x-rays;
  - vi. Include a two-way patient communication system allowing the operator to communicate with the patient and the patient to respond to the operator;
  - vii. The CT Scanner software, as a minimum, must have messages in English, French, German, Danish, Dutch, Norwegian and Swedish. The software must, as a minimum, include the following, user-selectable, pre-recorded patient instruction messages:
    1. Do not move or don't move;
    2. Relax
    3. Breath in, hold your breath, breathe out
    4. Breath in, breath out, breath in, hold your breath, breath out
    5. Breath normal
  - viii. The CT scanner software must include metal suppression algorithms to compensate for the presence of metal in the scan field.
  - ix. The operator console must have the following configuration and accessories:
    1. Minimum of 16 Gigabytes (GB) of RAM;
    2. Minimum dual core processors with speeds of 1.6 Giga-Hertz per processor;
    3. NVIDIA Quadro graphics card with minimum 2GB of memory;

4. Minimum four (4) USB ports;
5. Alphanumeric key board;
6. Optical mouse;
7. Minimum one (1) Gigabit per second network adapter;
8. Minimum Windows 7 operating software;
9. CT operating software package.
10. CT Brain Perfusion Protocols.
11. CT BE Tech and engineering technical service software package.

s. CLINICIAN WORKSTATION

i. Computer Configuration:

1. Minimum CPU speed of 3.0 GHz;
2. Minimum 500 Gigabytes of Hard Drive Disc space;
3. Minimum 8 Gigabytes of DDR4 RAM;
4. Minimum 19 inch, LCD monitor with at least 1024 x 1280 resolution;
5. Minimum Windows 7 operating system;
6. DICOM 3.0 compliant with DICOM modality work list selection;
7. Minimum one (1) Gigabyte Ethernet network card.
8. Alphanumeric keyboard
9. Optical mouse
10. Minimum four (4) USB ports
11. NVIDIA Quadro graphics card with minimum 2GB of memory
12. Pre-loaded software packages:
  - a. Net Framework 4.5.2 or better;
  - b. Adobe Acrobat reader 2017 or better;
  - c. Adobe Flash Player;
  - d. Windows Media Player 9.0 or better;
  - e. DirectX 9 or better.
13. As a minimum, include the following clinical software packages:
  - a. Planes available in MPR;

- b. Minimum and Maximum intensity projection (MINIP & MIP);
- c. 3D Volume rendering;
- d. 3D SSD (Shaded Surface Display);
- e. Segmentation and Sculpting;
- f. Advance Vessel Analysis;
- g. Auto Bone Removal;
- h. Small Volume Quantification;
- i. Lung Nodule Assessment;
- j. Virtual Endoscopy and Colonoscopy;

## TECHNICAL SPECIFICATIONS - CONTAINER

### t. DESIGN

- i. Must be Container Safety Convention (CSC) certified;
- ii. Constructed of metal which is resistant to rust;
- iii. Container walls must be lined with lead and constructed in such a manner so as to ensure all uncontrolled areas and general public are not subjected to any source of scatter radiation greater than one (1) millisievert (mSv) per year. For the purposes of this Request for Proposal, the amount of lead lining required can be calculated based on one (1) full body scan per day for five (5) days per week at 52 weeks per year;
- iv. Incorporate fork lift pockets in accordance with ISO 1496-1;
- v. In accordance with ISO 1161, include eight (8) ISO corners;
- vi. All doors and openings must be sealed against the ingress of dust;
- vii. Include four (4) removable and adjustable feet for the container, at the four (4) corners to level the container on uneven ground. As a minimum the adjustable feet must have 0-350 millimeters of travel and incorporate a manual crank to adjust the height of the feet;
- viii. Include a minimum of one (1) emergency exit, minimum 30 inches in width, in order to allow personnel to exit as quickly as possible;
- ix. Include one patient entrance with a minimum width of 55 inches to allow easy access for the movement of patients into and out of the CT scanner container;
- x. The entire system, which includes the container, CT scanner gantry / couch / transformer / operator console / clinical workstation, HVAC system and all accompanying accessories must weigh no more than 12,500 kilograms;
- xi. Overall dimensions of the container in transport mode shall comply with the 20' ISO container footprint characteristics as defined in ISO 668 designation 1CC, ISO 1161 and ISO 1496, and shall not exceed the following dimensions in transport mode:

Length over ISO corner fittings: 6058 mm

Width over ISO corner fittings: 2438 mm  
Height over ISO corner fittings: 2591 mm

xii. When expanded, the container must have the following minimum external dimensions:

Length: 6058 mm  
Width: 5791 mm  
Height: 2591 mm

xiii. The internal floor of the container must be covered in a permanently sealed, non-slip flooring material, capable of being cleaned with commercial, off the shelf, cleaning solutions;

xiv. The outside of the container must have a recessed opening containing the external power connections, of sufficient rating to operate the CT Scanner system and container, for connection to an power generator. The recessed opening must include a door to protect the connections;

xv. Ceiling mounted, dimmable, LED lighting providing a minimum 50 foot –candles of illumination when measured on the top of the patient table with the table in its lowest possible position.

u. HVAC

i. When in operation, the included HVAC system must maintain the internal temperature within the container between 19-26 degrees Celsius when the outside ambient temperature is between minus 30 and plus 50 degrees Celsius;

v. TRANSPORTATION

i. Road – the container and mounted CT Scanner must be capable of withstanding the following, without causing damage;

1. Route incline of 30 degrees;
2. Unloading incline of 45 degrees;
3. Acceleration and braking at a minimum three (3) times the force of gravity in the longitudinal, transverse and vertical vectors;

ii. Air transportable - the container and mounted CT Scanner must be capable of withstanding the following, without causing damage;

1. Route incline of 30 degrees;
2. Unloading incline of 45 degrees;
3. Acceleration of a minimum +/- three (3) times the force of gravity in the longitudinal vector, +/- one (1) times the force of gravity in the transverse

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vector, two (2) times the force of gravity in the upwards vertical vector and four (4) times the force of gravity in the downwards vertical vector.

- iii. The CT Scanner gantry and patient couch must be permanently mounted to the container and oriented in such a way as to allow the operator to perform a full body scan without having to manipulate the patient;
- iv. Include an operator console, control booth, with a lead impregnated window which permits the operator an unobstructed view of the patient at all times but provide radiation safety protection, in accordance with Health Canada Safety Code 35 regulations;
- v. Must be capable, when placed into location with power connected, the container expanded and levelled, of being setup by two (2) personnel and ready to receive patients in 120 minutes or less;

w. CT SCANNER ACCESSORIES

i. The following items must be included with the CT scanner:

- 1. Flat head holder
- 2. Coronal head holder
- 3. Head and arm rest pad
- 4. Water phantom
- 5. Quantity two (2), 120-220 volts of alternating current at 50/60 Hertz, uninterruptible power supplies (UPS) capable of providing a minimum 30 minutes of backup power each. One (1) UPS for the operator console and one (1) UPS for the clinician workstation
- 6. Minimum 100kVa transformer
- 7. Quantity two (2), 21 inch LCD monitors with a minimum resolution of 1024 x 1280 pixels

x. LICENSES

i. The contractor grants Canada a perpetual license to use all of the software listed in this Requirement.

y. ACCEPTANCE TESTING

- i. To confirm compliance with the Requirement, specifically the Technical Specifications – CT Scanner portion, the Canadian Forces Health Services Group will hire an independent third (3<sup>rd</sup>) party medical physicist to conduct acceptance testing on the supplied CT Scanner.
- ii. To confirm compliance with the Requirement, specifically the Technical Specifications – Container, the Canadian Forces Health Services Group will use

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a Department of National Defence (DND) Material Technician (MAT Tech) to conduct acceptance testing on the supplied Container.

- iii. To confirm compliance with the applicable Standards listed in Section 4 of the Requirement, the Canadian Forces Health Services Group will review the documentation provided by the Contractor for currency, relevance and compliance. The Canadian Forces Health Services Group reserves the right to request further documentation from the Contractor if, in its opinion, the documentation provided by the Contractor is insufficient to provide proof of compliance.
- iv. Upon completion of the acceptance testing the Canadian Forces Health Services Group will provide the Contractor with a copy of the acceptance testing results, Annex D to the Requirement. The Contractor will be responsible for correcting any issues identified at no additional cost.
- v. To assist with the acceptance testing the Contractor must provide, at no additional cost, personnel to open the container, prepare the CT Scanner for use and someone who will be able to answer any technical questions on the CT Scanner hardware and software which may arise during the testing.

## **5. TRAINING**

### **a. CT Scanner Operator Training Sessions**

i. As a minimum, the training course must provide Canadian Forces Health Services personnel with the knowledge necessary to navigate the various menus, systems and sub-systems, including basic troubleshooting of the system.

1. Students. There will be two (2) to four (4) operator students per session
2. Timelines. The training must be performed within thirty (30) calendar days of request for training at a date and time agreed upon between the TA and the vendor.
3. Locations. The training is to take place at Canadian Forces Base Petawawa
4. Language. All training must be performed in English.
5. All Inclusive. All Contractor related costs associated with the performance of operator training (inclusive of the training manuals, reference materials, documentation, tuition, and Contractor's Trainer travel and living expenses) must be included in the Operator Training Session price. The Government of Canada is responsible for all travel and living costs associated with sending its operators on the training.
6. Documentation: The contractor must provide one (1) hard copy of the operator/user manual per student. One (1) electronic copy is required per training session.
7. License. The Contractor grants a perpetual, non-revocable license to use, reproduce, and translate the training and reference manuals, materials, and documentation.

### **b. CT Scanner Field Service Engineer Technical Service Training**

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- i. The Contractor must provide, a three (3) week training session, at the Contractor's facility. This session will provide hands-on technical training for CF H Svcs Biomedical Engineering Technologist personnel. The training will help the technologists with diagnosing, troubleshooting, repairing and operating the system.
1. As a minimum, the technical training course must provide CF H Svcs Biomedical Engineering Technologist personnel with the following:
    - a. instruction on computed tomography theory and the individual system components;
    - b. knowledge necessary to navigate all the software menu's, within both the operator and service software packages, systems and subsystems;
    - c. comprehensive training on how to troubleshoot, inspect, repair (including the replacement procedures for the individual components and sub-systems), and calibrate the system and its peripherals.
  2. Students. There will be one (1) to two (2) Biomedical Technologists per session.
  3. Timelines. Training must be performed within sixty (60) calendar days of request, at a date and time agreed upon between the Contractor's representative and the Technical Authority.
  4. Location. The training is to take place at the Contractors facility.
  5. Language. Must be performed in English.
  6. All Inclusive. All Contractor related cost associated with the performance of the Technical Service Training (inclusive of the training manuals, technical service manuals with detailed schematics and parts list, reference materials, documentation and Biomedical Technologist tuition) must be included in the Technical Service Training Session price. The Government of Canada is responsible for all travel and living cost associated with sending its Biomedical Technologists on the training.
  7. License. The Contractor grants a perpetual, non-revocable license to use, reproduce, and translate the training and reference manuals, materials, and documentation.
  8. Documentation. The Contractor must provide one (1) hard copy each of the technical/service manual, with schematics and list of replacement parts, and all service software for each participant on the first day of the course. One (1) electronic copy of the technical/service manual must be provided per session.
  9. Access. Upon successful completion of the course, each CF H Svcs Gp BE Tech will be provided the logon and password information to access all service level software programs installed on the CT scanner.

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10. Telephone Access. Upon successful completion of the course, each CF H Svcs Gp BE Tech will be provided with the telephone number for 24 hour technical support and unrestricted access to call the 24 hour technical support line free of charge for the first year of service.

**ANNEX “B”**

**BASIS OF PAYMENT**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP Canadian customs duties and excise taxes included.

Pricing Basis A – Firm Requirement

Equipment – One (1) self-contained deployable CT Scanner

Item	Description	Quantity of Units	Firm Unit Price
1	Self-contained deployable CT Scanner as per the Requirement in Annex A	1	

Pricing Basis B - Services - Training Courses

Item	Description	Quantity of Courses	Price Per Course	Extended Price
1	Operator Training Course as per the Requirement in Annex A	2		
2	Technician Training Course as per the Requirement in Annex A	2		

Canada may exercise their irrevocable option to acquire the following goods and services over the next three years

Pricing Basis C – Option (Contract award to March 31, 2023)

Equipment – One (1) self-contained deployable CT Scanner

Item	Description	Quantity of Units	Firm Unit Price
1	Self-contained deployable CT Scanner as per the Requirement in Annex A	1	

Pricing Basis D - Option (Contract award to March 31, 2023)

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**Services - Training Courses**

Item	Description	Quantity of Courses	Price Per Course	Extended Price
1	Operator Training Course as per the Requirement in Annex A	5		
2	Technician Training Course as per the Requirement in Annex A	5		

**ANNEX “C”**

**MANDATORY TECHNICAL CRITERIA**

<b>Mandatory Technical Criteria</b>		<b>Bidder must demonstrated and identity supporting documents (Bidder to insert data and page number)</b>
<b>COMPUTED TOMOGRAPHY SCANNER</b>		
<b>SCAN TIME</b>		
M1	<p>The CT Scanner must have, as a minimum, rotation times of 0.4, 0.5, 0.75 and one (1) second to complete one (1) 360 degree gantry rotation.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
<b>SCAN METHOD</b>		
M2	<p>The CT Scanner must incorporate Scout, Spiral / Helical and Axial scanning.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M3	<p>The CT Scanner software must include both pediatric and infant base protocols utilizing low dose radiation.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M4	<p>The CT Scanner must incorporate a contrast auto-injector with real time contrast monitoring acquisition and auto-scan initiation protocols.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M5	<p>The CT Scanner and contrast auto-injector must include Bolus Tracking.</p> <p>A copy of the CT Scanner and auto-injector technical specifications or sales brochures must be provided which clearly indicates the CT Scanner and auto-injector is compliant with the above requirement.</p>	
<b>SLICE THICKNESS</b>		
M6	<p>As a minimum, the CT scanner must have 128 slice acquisition with a maximum slice thickness of 0.625</p>	

	<p>millimeters per slice.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
<b>GANTRY</b>		
M7	<p>The aperture on the gantry must be at least 70 centimeters in diameter. The diameter of the aperture must not exceed 100 centimeters.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M8	<p>The acquisition Field of View (FOV) must be at least 50 centimeters for a body scan and 25 centimeters for a head scan.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M9	<p>From the zero (0) position, the gantry must be capable of tilting with a minimum range of minus 30 to plus 30 degrees in 0.5 degree increments.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M10	<p>The gantry must incorporate control panels on the front, back, left and right side of the gantry to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off.</p> <p>A diagram of the gantry must be provided to show the location of each control panel. A picture of the control panel must be included.</p>	
M11	<p>The gantry must incorporate a minimum of four (4) emergency stops, two (2) located on the front of the gantry and two (2) located on the back of the gantry, one (1) each on the right and left of the aperture opening.</p> <p>A diagram of the gantry must be provided to show the location of each of the emergency stops. A picture of the emergency stop button/switch must be included.</p>	
<b>X-RAY GENERATOR</b>		
M12	<p>The x-ray generator must have a minimum voltage range of 80 - 130kVp.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT</p>	

	Scanner is compliant with the above requirement.	
M13	The x-ray generator must have a minimum milliamp (mA) range of 20 – 600mA with automatic mA exposure control.	
<b>X-RAY TUBE</b>		
M14	The x-ray tube must have a minimum anode heat storage capacity of seven (7) million heat units (HU).  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
<b>DETECTORS</b>		
M15	Capable of acquiring all the quoted slices per 360 degrees of rotation.  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
M16	The detector array must incorporate multiple rows with a minimum of 600 detector elements per array.  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
<b>PATIENT TABLE</b>		
M17	The patient table must include both a foot pedal and handrail controls for quick, easy positioning of the table top.  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
M18	The patient table must be able to support a minimum load capacity of 200 kilograms.  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
M19	The patient table must have a minimum scan (horizontal movement) range of 170 centimeters (cm).  A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.	
M20	The patient table must be capable of being lowered to a minimum height of 60cm with a minimum vertical range of	

	<p>45cm.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
<b>IMAGE RECONSTRUCTION</b>		
M21	<p>The machine must have a minimum reconstruction Field of View (FOV) range of five (5) to 50 centimeters.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M22	<p>The machine must have a minimum reconstruction rate of 20 images per second.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
<b>OPERATOR CONSOLE</b>		
M23	<p>Allow the operator to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M24	<p>Include an emergency stop to permit the operator to immediately stop the CT scan if necessary.</p> <p>A diagram of the operator console must be provided to show the location of the emergency stop. A picture of the emergency stop button/switch must be included.</p>	
M25	<p>Include an audible or visible or audible and visible indicator when the gantry is producing x-rays.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M26	<p>Include a two-way patient communication system allowing the operator to communicate with the patient and the patient to respond to the operator.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
M27	<p>The CT Scanner software, as a minimum, must have messages in English, French, German, Danish, Dutch,</p>	

	<p>Norwegian and Swedish. The software must, as a minimum, include the following user-selectable, pre-recorded patient instruction messages:</p> <ul style="list-style-type: none"> <li>- Do not move or don't move</li> <li>- Relax</li> <li>- Breath in, hold your breath, breathe out</li> <li>- Breath in, breath out, breath in, hold your breath, breath out</li> <li>- Breathe normal</li> </ul> <p>To demonstrate compliance, the Bidder must provide a screen shot of each message in the languages specified.</p>	
M28	<p>The CT scanner software must include metal suppression algorithms to compensate for the presence of metal in the scan field.</p> <p>A copy of the CT Scanner technical specifications or sales brochure must be provided which clearly indicates the CT Scanner is compliant with the above requirement.</p>	
<b>CLINICAL WORKSTATION</b>		
M29	<p>As a minimum, include the following clinical software packages:</p> <ul style="list-style-type: none"> <li>- Planes available in Multiplanar Reformation (MPR)</li> <li>- Minimum and Maximum intensity projection (MINIP &amp; MIP)</li> <li>- 3D Volume rendering</li> <li>- 3D SSD (Shaded Surface Display)</li> <li>- Segmentation and Sculpting</li> <li>- Advance Vessel Analysis</li> <li>- Auto Bone Removal</li> <li>- Small Volume Quantification</li> <li>- Lung Nodule Assessment</li> <li>- Virtual Endoscopy and Colonoscopy</li> </ul> <p>To demonstrate compliance, the Bidder must provide a screen shot of each software package specified.</p>	
<b>CONTAINER</b>		
<b>DESIGN</b>		
M30	<p>Include four (4) removable and adjustable feet for the container, at the four (4) corners to level the container on uneven ground. As a minimum, the adjustable feet must have 0-350 millimeters of travel and incorporate a manual crank to adjust the height of the feet.</p> <p>Include a diagram of the adjustable feet which clearly demonstrates the location of the manual crank, the adjustable foot at its lowest and highest level (range of travel).</p>	
M31	<p>Include a minimum of one (1) emergency exit, minimum 30</p>	

	<p>inches in width, in order to allow personnel to exit as quickly as possible.</p> <p>Include a diagram of the container and its internal equipment and the location of the emergency exit and the path for the patient and operator to exit the unit. Include a picture of the emergency exit and how its opening mechanism functions.</p>	
M32	<p>Include one patient entrance with a minimum width of 55 inches to allow easy access for the movement of patients into and out of the CT scanner container.</p> <p>Include a diagram of the container which clearly indicates the location and dimensions, height and width, of the patient entrance.</p>	
M33	<p>Overall dimensions of the container in transport mode shall comply with the 20' ISO container footprint characteristics as defined in ISO 668 designation 1CC, ISO 1161 and ISO 1496, and shall not exceed the following dimensions in transport mode:</p> <ul style="list-style-type: none"> <li>- Length over ISO corner fittings: 6058 mm</li> <li>- Width over ISO corner fittings: 2438 mm</li> <li>- Height over ISO corner fittings: 2591 mm</li> </ul> <p>A diagram of the container with external dimensions must be included with the bid.</p>	
M34	<p>When expanded, the container must have the following minimum external dimensions:</p> <ul style="list-style-type: none"> <li>- Length: 6058 mm</li> <li>- Width: 5791 mm</li> <li>- Height: 2591 mm</li> </ul> <p>An engineering diagram of the expanded container must be included with the bid. The diagram must show the interior layout of all of the interior equipment in addition to the exterior dimensions of the container.</p>	
<b>HVAC</b>		
M35	<p>When in operation, the included HVAC system must maintain the internal temperature within the container between 19-26 degrees Celsius when the outside ambient temperature is between minus 30 and plus 50 degrees Celsius.</p> <p>A copy of the HVAC technical specifications or sales brochure must be provided which clearly indicates the HVAC is compliant with the above requirement.</p>	
<b>TRANSPORTATION</b>		
M36	<p>The CT Scanner gantry and patient couch must be permanently mounted to the container and oriented in such a way as to allow the operator to perform a full body scan</p>	

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	<p>without having to manipulate the patient.</p> <p>An engineering diagram of the expanded container floor plan which clearly details the location of the gantry and patient couch must be included with the bid.</p>	
M37	<p>Include an operator console, control booth, with a lead impregnated window which permits the operator an unobstructed view of the patient at all times.</p> <p>An engineering diagram of the expanded container floor plan which clearly details the location of the operator console, control booth and lead impregnated window must be included with the bid.</p>	
<b>CERTIFICATIONS</b>		
M38	<p>The CT Scanner must have a valid, active, medical device license issued by Health Canada. The Canadian Armed Forces reserves the right, at its discretion, to verify the validity of the device license through Health Canada.</p> <p>A copy of the certification must be included with the bid submission.</p>	

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**ANNEX "D"**

**ACCEPTANCE TESTING RESULTS**

Technical Specifications - CT Scanner: Function to be Tested		Pass		Comments
		Yes	No	
<b>SCAN TIME</b>	Minimum, rotation times of 0.4, 0.5, 0.75 and one (1) second to complete one (1) 360 degree gantry rotation			
<b>SCAN METHOD</b>	When in the Cardiac Application, rotation time must not exceed 0.35 seconds for each 360 degree rotation. If applicable to cardiac requisition, partial rotation is acceptable			
	Incorporate Scout, Spiral / Helical and Axial			
	Include both pediatric and infant base protocols utilizing low dose radiation			
	Contrast auto-injector with real time contrast monitoring acquisition and auto-scan initiation protocols			
	Contrast auto-injector must include Bolus Tracking			
	The high contrast resolution for Spiral and Axial scanning, as a minimum, must be 15 line pairs per centimeter			
	The low contrast resolution must be a minimum of four (4) millimeters at 0.3%			
<b>SLICE</b>				

<b>THICKNESS</b>			
As a minimum, the CT scanner must have 128 slice acquisition with a maximum slice thickness of 0.625 millimeters per slice			
<b>GANTRY</b>			
The aperture on the gantry must be at least 70 centimeters in diameter. The diameter of the aperture must not exceed 100 centimeters			
To assist in patient positioning, the aperture opening must include position lasers with a minimum accuracy of 1 millimeter			
The acquisition Field of View (FOV) must be at least 50 centimeters for a body scan and 25 centimeters for a head scan			
From the zero (0) position, the gantry must be capable of tilting with a minimum range of minus 30 to plus 30 degrees in 0.5 degree increments			
The gantry must incorporate control panels on the front, back, left and right side of the gantry to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off			
The gantry must incorporate a minimum of four (4) emergency stops, two (2) located on the front of the gantry and two (2) located on the back of the gantry, one (1) each on the right and left of the aperture opening			
<b>X-RAY GENERATOR</b>			
The x-ray generator must be high frequency with a minimum effective power output of 100 kilowatts. The DND will accept a combination of hardware and software to achieve the effective power output.			
The x-ray generator must have a minimum voltage range of 80 - 130kVp			
The x-ray generator must have a minimum mA range of 20 – 600mA with automatic mA exposure control			

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<b>X-RAY TUBE</b>			
The x-ray tube must have a minimum small focal spot size of 0.5 millimeters to a maximum of 0.9 millimeters and a minimum large focal spot size of 1.0 millimeters to a maximum of 1.6 millimeters			
The x-ray tube must have a minimum anode heat storage capacity of seven (7) million heat units (HU)			
The x-ray tube must be direct cooled with a minimum heat dissipation of one (1) million heat units (HU) per minute			
<b>DETECTORS</b>			
The detector Type must be solid-state			
Capable of acquiring all the quoted slices per 360 degrees of rotation			
The detector array must incorporate multiple rows with a minimum of 600 detector elements per array			
<b>PATIENT TABLE (COUCH)</b>			
The patient table top must be constructed of carbon fiber			
The patient table must include both a foot pedal and handrail controls for quick, easy positioning of the table top			
The patient table must be able to support a minimum load capacity of 200 kilograms			
The patient table must have a minimum scan (horizontal movement) range of 170 centimeters			
The patient table must be capable of being lowered to a minimum height of 60cm with a minimum vertical range of 45cm			
Protocol dependent, the patient table must have a minimum longitudinal (horizontal) speed of 0.5 millimeters per second (mm/s) to 185 mm/s with an accuracy of +/-0.25mm			
The patient table must have a variable pitch between 0.5 and 1.5 degrees			

The pitch factor must be user selectable. It must have the option to be set to manual or automatic depending on the requirements of the scan			
The patient table must have a minimum of 0.5 degree pitch while in Cardiac Scanning			
<b>IMAGE RECONSTRUCTION</b>			
The machine must have a minimum reconstruction Field of View (FOV) range of five (5) to 50 centimeters			
The machine must have a minimum reconstruction rate of 20 images per second			
The machine must be able to provide an image display up to 1024 x 1024 pixels			
The machine must incorporate the following parallel processing capabilities;			
1) Simultaneous scanning and reconstruction			
2) Simultaneous scanning and routine analysis			
3) Simultaneous scanning and archiving			
4) Simultaneous scanning and transferring to a secondary workstation			
The machine must have a minimum of one (1) Terabyte of hard disk drive storage capacity			
<b>OPERATOR CONSOLE</b>			
The operator console must include a minimum 19 inch LCD monitor (or equivalent) with a resolution of at least 1024 x 1280 pixels			
The system interface must be user friendly with all CT Scanner functions available in selectable menus			
Allow the operator to control gantry tilt, patient couch elevation, patient couch longitudinal travel and the ability to turn the positioning lasers on/off			
Include an emergency stop to permit the operator to immediately stop the CT scan if necessary			
Include an audible or visible or audible and visible indicator when the gantry is producing x-rays			

<p>Include a two-way patient communication system allowing the operator to communicate with the patient and the patient to respond to the operator</p>			
<p>The CT Scanner software, as a minimum, must have messages in English, French, German, Danish, Dutch, Norwegian and Swedish. The software must, as a minimum, include the following, user-selectable, pre-recorded patient instruction messages</p> <ol style="list-style-type: none"> <li>1) Do not move or don't move</li> <li>2) Relax</li> <li>3) Breath in, hold your breath, breathe out</li> <li>4) Breath in, breath out, breath in, hold your breath, breath out</li> <li>5) Breathe normal</li> </ol>			
<p>The CT scanner software must include metal suppression algorithms to compensate for the presence of metal in the scan field</p>			
<p>The operator console must have the following configuration and accessories:</p>			
<p>Minimum of 16 Gigabytes (GB) of RAM</p>			
<p>Minimum dual core processors with speeds of 1.6 Giga-Hertz per processor</p>			
<p>NVIDIA Quadro graphics card with minimum 2GB of memory</p>			
<p>Minimum four (4) USB ports</p>			
<p>Alphanumeric key board</p>			
<p>Optical mouse</p>			
<p>Minimum one (1) Gigabit per second network adapter</p>			
<p>Minimum Windows 7 operating software</p>			
<p>CT operating software package</p>			
<p>CT Brain Perfusion Protocols</p>			
<p>CT BE Tech and engineering technical service software package</p>			
<p><b>CLINICIAN WORKSTATION</b> Computer Configuration</p>			

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Minimum CPU speed of 3.0 GHz;			
Minimum 500 Gigabytes of Hard Drive Disc space			
Minimum 8 Gigabytes of DDR4 RAM			
Minimum 21 inch, LCD monitor with at least 1024 x 1280 resolution			
Minimum Windows 7 operating system			
DICOM 3.0 compliant with DICOM modality work list selection			
Minimum one (1) Gigabyte Ethernet network card			
Alphanumeric keyboard			
Optical mouse			
Minimum four (4) USB ports			
NVIDIA Quadro graphics card with minimum 2GB of memory			
Pre-loaded software packages:			
Net Framework 4.5.2 or better			
Adobe Acrobat reader 2017 or better			
Adobe Flash Player			
Windows Media Player 9.0 or better			
DirectX 9 or better			
As a minimum, include the following clinical software packages:			
Planes available in MPR			
Minimum and Maximum intensity projection (MINIP & MIP			
3D Volume rendering			
3D SSD (Shaded Surface Display			
Segmentation and Sculpting			
Advance Vessel Analysis			
Auto Bone Removal			
Small Volume Quantification			
Lung Nodule Assessment			
Virtual Endoscopy and Colonoscopy			

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MISC			
	Include an operator console, work area, with a lead impregnated window which permits the operator to visually see the patient at all times but provide radiation safety protection, in accordance with Health Canada regulations		
	The following items must be included with the CT scanner:		
	Flat head holder		
	Coronal head holder		
	Head and arm rest pad		
	Water phantom		
	Quantity two (2), 120-220 volts of alternating current at 50/60 Hertz, uninterruptible power supplies (UPS) capable of providing a minimum 30 minutes of backup power each. One (1) UPS for the operator console and one (1) UPS for the clinician workstation		
	Minimum 100kVa transformer		
	Quantity two (2), 21 inch LCD monitors with a minimum resolution of 1024 x 1280 pixels		

Technical Specifications - Container: Function to be Verified			Pass	Comments
		Yes	No	
<b>DESIGN</b>				
	Must be Container Safety Convention (CSC) certified			
	Constructed of metal which is resistant to rust			
	Container walls must be lined with lead to protect personnel from scatter radiation			
	Incorporate fork lift pockets in accordance with ISO 1496-1			

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<p>In accordance with ISO 1161, include eight (8) ISO corners</p>		
<p>All doors and openings must be sealed against the ingress of dust</p>		
<p>Include four (4) removable and adjustable feet for the container, at the four (4) corners to level the container on uneven ground. As a minimum the adjustable feet must have 0-350 millimeters of travel and incorporate a manual crank to adjust the height of the feet</p>		
<p>Include a minimum of one (1) emergency exit, minimum 30 inches in width, in order to allow personnel to exit as quickly as possible</p>		
<p>Include one patient entrance with a minimum width of 55 inches to allow easy access for the movement of patients into and out of the CT scanner container</p>		
<p>The entire system, which includes the container, CT scanner gantry / couch / transformer / operator console / clinical workstation, HVAC system and all accompanying accessories must weigh no more than 12,500 kilograms</p>		
<p>Overall dimensions of the container in transport mode shall comply with the 20' ISO container footprint characteristics as defined in ISO 668 designation 1CC, ISO 1161 and ISO 1496, and shall exceed not the following dimensions in transport mode:</p>		
<p>Length over ISO corner fittings: 6058 mm</p>		
<p>Width over ISO corner fittings: 2438 mm</p>		
<p>Height over ISO corner fittings: 2591 mm</p>		
<p>The internal floor of the container must be covered in a permanently sealed, non-slip flooring material, capable of being cleaned with commercial, off the shelf, cleaning solutions</p>		
<p>The outside of the container must have a recessed opening containing the external power connections, of sufficient rating to operate the CT Scanner system and container, for connection to an power generator. The recessed opening must include a door to protect the connections</p>		

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Ceiling mounted, dimmable, LED lighting providing a minimum 50 foot –candies of illumination when measured on the top of the patient table with the table in its lowest possible position			
<b>HVAC</b>			
When in operation, the included HVAC system must maintain the internal temperature within the container between 19-26 degrees Celsius when the outside ambient temperature is between minus 30 and plus 50 degrees Celsius			
<b>TRANSPORTATION</b>			
Route incline of 30 degrees			
The CT Scanner gantry and patient couch must be permanently mounted to the container and oriented in such a way as to allow the operator to perform a full body scan without having to manipulate the patient			

Technical Specifications: Standards to be Verified	Pass		Comments
	Yes	No	
The CT Scanner system must have a Canadian Standards Association (CSA) certification, or equivalent ( <a href="http://www.csagroup.org/global/en/about-csa-group/certification-marks-labels">www.csagroup.org/global/en/about-csa-group/certification-marks-labels</a> ). Equivalency must be recognized by SCC (Standards Council of Canada)( <a href="http://www.scc.ca">www.scc.ca</a> ). The DND will visually confirm CSA certification.			
The CT Scanner system device must have a valid, active, medical device licence issued by Health Canada. The Contractor must provide DND with either a hard copy of the Medical Device Licence or the Medical Device Licence number for the CT Scanner. The DND reserves the right , at its discretion, to verify the validity of the device licence through Health Canada.			

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<p>The CT Scanner Container must be Container Safety Convention (CSC) certified. Proof of CSC certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the CSC certification.</p>	<p>Incorporate fork lift pockets in accordance with ISO 1496-1. Proof of ISO certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the ISO 1496-1 certification.</p>	<p>In accordance with ISO 1161, include eight (8) ISO corners. Proof of ISO certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the ISO 1161 certification.</p>	<p>The CT Scanner Container must be constructed of metal which is resistant to rust in accordance with NATO 6516/SCHPE/86. NATO 6516/SCHPE/86 equates to Salt Fog continuous corrosion test of 168 hours at a 20% saline solution to validate their effectiveness in resisting corrosion. Proof of NATO certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the test report and NATO certification.</p>	<p>The CT Scanner Container must be protected against water ingree in accordance with DEF-STAN 35 CL27. DEF-STAN 35 CL27 equates to the ability to withstand driving rain equivalent to a minimum of 200 millimeters per hour. Proof of DEF-STAN certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the test report and DEF-STAN certification.</p>
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<p>The CT Scanner Container must have all doors and opening dealed against the ingreee of dust in accordacne with DEF-STAN 07-55 Part 2 Section 4/1 Test D1. Proof of DEF-STAN certification must be provided prior to DND accepting delivery. For the purposes of this requirement, the Contractor must provide the DND with a hard copy of the test report and DEF-STAN certification.</p>			
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## **ANNEX "E"**

### **SECURITY REQUIREMENTS CHECK LIST**

Rec'd  
MAY 31 2018  
CISD



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**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 <b>Department of National Defence</b>	2. Branch or Directorate / Direction générale ou Direction <b>D HS Del/ J4 MED EQPT</b>	
3. a) Subcontract Number / Numéro du contrat de sous-traitance <b>N/A</b>	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant <b>N/A</b>	
4. Brief Description of Work / Brève description du travail <b>Purchase of one (1) Deployable Computed Tomography unit for CAF operation use.</b>		
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 / Non <input type="checkbox"/> Yes / 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 / Non <input type="checkbox"/> Yes / 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? (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) <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui		
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 type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui <span style="float: right;">41</span>		
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 checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / 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"/>	
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"/>	
Not releasable / À ne pas diffuser <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <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 :	
7. c) Level of information / Niveau d'information		
PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO RESTRICTED <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO DIFFUSION RESTREINTE <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	NATO CONFIDENTIAL <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>	NATO SECRET <input type="checkbox"/>	TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>	NATO CONFIDENTIAL <input type="checkbox"/>	TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>
	NATO SECRET <input type="checkbox"/>	
	COSMIC TOP SECRET <input type="checkbox"/>	
	COSMIC TRÈS SECRET <input type="checkbox"/>	



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Gouvernement du Canada

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**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?  No / Non  Yes / Oui  
If Yes, Indicate the level of sensitivity.  
Dans l'affirmative, indiquer le niveau de sensibilité :

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?  No / Non  Yes / Oui  
Short Title(s) of material / Titre(s) abrégé(s) du matériel :  
Document Number / Numéro du document :

**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 checked="" type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITÉ	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS 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 type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCÈS AUX EMBLEMES			

Special comments:  
Commentaires spéciaux :

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?  No / Non  Yes / Oui  
If Yes, will unscreened personnel be escorted?  
Dans l'affirmative, le personnel en question sera-t-il escorté?  No / Non  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?  No / Non  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?  No / Non  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?  No / Non  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?  No / Non  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?  No / Non  Yes / Oui

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Security Classification / Classification de sécurité <b>UNCLASSIFIED</b>
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**PART C - (continued) / PARTIE C - (suite)**

For users completing the form manually use the summary chart below to indicate the category(les) 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 / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL		TRES SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL				A	B			
Information / Assets / Renseignements / Biens / 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?  No  Yes  
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?  Non  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?  No  Yes  
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?  Non  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).



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**PART D - AUTHORIZATION / PARTIE D - AUTORISATION**

**13. Organization Project Authority / Chargé de projet de l'organisme**

Name (print) - Nom (en lettres moulées) <b>CECILIA REYES</b>	Title - Titre <b>J4 MED EQPT</b>	Signature 
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Telephone No. - N° de téléphone <b>613-901-9853</b>	Facsimile No. - N° de télécopieur <b>613-901-1755</b>	E-mail address - Adresse courriel <b>Cecilia.Reyes@forces.gc.ca</b>	Date <b>23 MAY 2018</b>
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**14. Organization Security Authority / Responsable de la sécurité de l'organisme**

Name (print) - Nom (en lettres moulées) <b>Sasa Medjovic</b>	Title - Titre <b>DDSO - Industrial Security Senior Security Analyst</b>	Signature 
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Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur <b>613-996-1286</b>	E-mail address - Adresse courriel <b>sasa.medjovic@forces.gc.ca</b>	Date <b>2018-May 31</b>
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15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? / Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?  Yes / Oui

**16. Procurement Officer / Agent d'approvisionnement**

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
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Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
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**17. Contracting Security Authority / Autorité contractante en matière de sécurité**

Name <b>Paul Lepinski</b>	Signature 
Telephone <b>613 957-1294</b>	E-mail address - Adresse courriel <b>Paul.Lepinski@tpsgc-pwgscc.gc.ca</b>
Contract Security Officer / Contract Security Program	Date <b>18-JUN-2018</b>

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## **ANNEX "F" to PART 3 OF THE BID SOLICITATION**

### **ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

## ANNEX "G" to PART 5 OF THE BID SOLICITATION

### FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: \_\_\_\_\_ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.
- OR**
- A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity \(LAB1168\)](#) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

**OR**

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

## ANNEX "H"

### ADDITIONAL CERTIFICATION INFORMATION

#### 1. Board of Directors

In accordance with the **Ineligibility and Suspension Policy**, Section 17, Bidders are required to provide a list of their Board of Directors before contract award. Bidders are requested to provide this information in their bid.

Director Name/Position - \_\_\_\_\_

#### 2. Procurement Business Number (PBN)

In accordance with Section 2, Procurement Business Number, of the Standard Instructions, Contractors are required to have a Procurement Business Number (PBN) before Contract award.

Procurement Business Number - \_\_\_\_\_

Suppliers may register for a PBN online at **Supplier Registration Information**. For non-Internet registration, suppliers may contact the InfoLine at 1-800-811-1148 to obtain the telephone number of the nearest Supplier Registration Agent.