

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions -
TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Acquisition Branch, STAMS, ITSPD / Direction
générale des acquisitions, SGAST, DASIT
Computer Hardware Division
Div. de l'équipement informatique
Place du Portage, Phase III, 4C2
11 Laurier Street/11, rue Laurier
Gatineau
Québec
K1A 0S5

Title - Sujet DND - 3D WORKSTATION	
Solicitation No. - N° de l'invitation W8474-136440/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8474-136440	Date 2013-01-10
GETS Reference No. - N° de référence de SEAG PW-\$SEJ-312-25154	
File No. - N° de dossier 312ej.W8474-136440	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-01-18	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: You, Soun	Buyer Id - Id de l'acheteur 312ej
Telephone No. - N° de téléphone (819) 956-8287 ()	FAX No. - N° de FAX (819) 956-1156
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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001

Buyer ID - Id de l'acheteur

312ej

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

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File No. - N° du dossier

312ejW8474-136440

CCC No./N° CCC - FMS No/ N° VME

This amendment is to extend the closing date of the RFP to Friday, January 18, 2013, 2pm, and contains the following sections:

1. Question and Answer
2. Revised RFP and annexes

Changes to the documents are yellow highlighted. Deletions are shown in "strikethrough" text.

Note: some questions have been modified from their original form. Other questions have been delete if they were addressed by a previous question. If a question you submitted has not been addressed, please resubmit it.

Revised versions replace previous version in their entirety.

Q&A

- Q1. Can the Crown clarify what OS will be required with these units?
Windows 7 Professional
- Q2. Annex A, 2.1, A (i) - The Crown is requesting the "Intel Core i7 3930 (Ivy Bridge) processor.
Would the Crown accept an E5-1650 processor as equivalent?
Yes. This is acceptable.
- Q3. Annex A, 2.1, A (i) - The Crown is requesting the "Intel Core i7 3930 (Ivy Bridge) processor.
Would the Crown accept a Xeon based workstation?
Yes. This is acceptable.
- Q4. Annex A, 2.1, A (iv) - The Crown is asking for a X79 Chipset.
Would the Crown accept Intel C600 as equivalent?
Yes. This is acceptable.
- Q5. Annex A, 2.1, A (iv) - The Crown is specifying that "The chip set must be the Intel X79 high performance chip set."
Will the Crown allow us to bid a workstation using the Intel C602 chip set?
Yes. This is acceptable.
- Q6. Annex A, 2.1, D (iii) - The Crown is specifying that "The high performance SSD must specifically be on of the following: Intel SSD 330, Crucial Real SSD C30 or Corsair Force F120."
Will the Crown allow us to bid a workstation using the Intel 520 as a replacement for the Intel 330 series?
Yes. This is acceptable.
- Q7. Annex A, 2.1, D (iii) - The Crown is specifying that "The high performance SSD must specifically be on of the following: Intel SSD 330, Crucial Real SSD C30 or Corsair Force F120."
Would the Crown accept the Kingston V300 series SSD?
No, the Kingston V300 series SSD is not acceptable.
- Q8. Annex A, 2.1, G (ii) (D)
Would the Crown amend the requirement to read: Must provide 4 digital output ports.
Yes. Please see revised RFP.
- Q9. Annex A, 2.1, K (i) - The Crown is requesting 19-in-1 card reader (slot only).
Can the Crown clarify if this card reader is part of the List of Deliverables?
Yes. It will be included in the LOD.
- Q10. Annex A, 2.1, K (i) - The Crown is requesting 2 USB ver 3.0 port on the front of the case.
Our system has 1 USB ver 3.0 port, would the Crown accept this as compliant?
Yes. This is acceptable.
- Q11. Annex A, 2.1, K (i) - The Crown is requesting 4 USB ver 2.0 port on the front of the case.
Our system has 3 USB ver 2.0 port, would the Crown accept this as compliant?
Yes. This is acceptable.

- Q12. Annex A, 2.1, K (i) - The Crown is requesting "The front of the case must have the following ports: 2 USB vers. 3.0, 4 USB version 2.0 , 1 microphone, 1 headphone and 19-in-1 card reader (slot only)."
Our Workstations provide two USB 2.0, 1 Microphone (3.5mm), 1 headphone (3.5mm) in front, and 25-1 media card reader slot. Will the Crown allow us to bid with this configuration?
 Yes. This is acceptable.
- Q13. Annex A, 2.1, K (ii) - The Crown is requesting for "The rear or front of the case must have the following additional ports: 6 USB version 3.0, 4 USB vers. 2.0, 1 audio line in, 1 audio line out and 2 RJ-45 Ethernet."
Would the Crown change the requirement to the following: The rear or front of the case must have the following additional ports: 2 USB version 3.0, 3 additional USB version 2.0, 1 audio line in, 1 audio line out and 1x RJ-45 ethernet. This would be similar to the current National Master Standing Offer requirement.
 Yes. Please see revised RFP.
- Q14. Annex A, 2.1, K (ii) - The Crown is requesting for "The rear or front of the case must have the following additional ports: 6 USB version 3.0, 4 USB vers. 2.0, 1 audio line in, 1 audio line out and 2 RJ-45 Ethernet."
Our Workstation provides Eight USB 2.0 ports, two USB 3.0 (blue ports), one serial ports (9-pin), two ethernet port (RJ-45), and three analog audio ports (line-in, line-out, mic-in), in the rear of the case. Will the Crown allow us to bid based on this configuration.
 Yes. This is acceptable.
- Q15. Annex A, 2.1, L (i) - The Crown is asking for 1 Kilowatt power supply.
Our system includes a 635-Watt power supply which will support a fully populated system. Would the Crown consider this compliant?
 No. A minimum of 750 Watts power supply is required.
- Q16. Annex A, 2.1, L (ii) - The power supply must meet the 80Plus Gold certification.
Would the Crown accept 80Plus Silver Certification? This would meet the current requirement of the National Master Standing Offer.
 Yes. This is acceptable.
- Q17. Annex A, 2.1, L (iv) - The Crown is requesting PSU must supply four (4) 6-pin PCI-E receptacles and support SLI or Crossfire video controllers.
Our system is equipped with two (2) 6-pin PCI-E receptacles. Would the Crown consider this compliant?
 Yes, provided that power connection is available for two video cards.
- Q18. Annex A, 2.1, M (iv) - The Crown is requesting 2 x 5 ¼ internal drive bays with frontal access after configuration.
Our system will have 1 x 5 ¼ internal drive bay after configuration, would the Crown consider this compliant?
 1 x 5 ¼ internal drive bay after configuration would be acceptable if that bay has frontal access.
- Q19. Annex A, 2.1, M (iv) - The Crown is requesting 3 x 3 ½ inch internal hard drive bays after configuration.
Our system can support 4 x 2 ½ or 2 x 3 ½ inch hard drive configuration.
 Yes. This is acceptable.

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- Q20. Annex A, 2.1, M (iv) - The Crown is requesting the optical drive must be situated in a horizontal attitude.
Our system is designed so that it can be positioned horizontally or vertically. When the system is positioned vertically our optical drive is in a vertical attitude, would the Crown consider this compliant?
Yes. This is acceptable.
- Q21. Annex A, 2.1, M (i) – The motherboard must have 4 expansion slots including a minimum of 2 PCI-e 16x vers 3.0, 1 PCI-e vers. 3.0 and 1 PCI-e vers. 2.0.
Would the Crown amend the requirement to read: 2 PCI-e 16x vers 3.0 and 2 PCI-e vers. 2.0?
Yes. Please see revised RFP.

BID SOLICITATION 3D SIMULATION WORKSTATIONS FOR DND

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List of Annexes to the Resulting Contract:

Annex A Statement of Requirement
Annex B List of Deliverables

Forms:

Form 1 - Bid Submission Form
Form 2 - Substantiation of Technical Compliance Form
Form 3 - OEM Certification Form

BID SOLICITATION FOR 3D SIMULATION WORKSTATIONS FOR DND

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation and resulting contract document is divided into seven parts plus 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 and states that the Bidder agrees to be bound by the clauses and conditions contained in all parts of 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, if applicable, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The annexes include the Statement of Requirement, and the List of Deliverables.

1.2 Summary

This bid solicitation is being issued to satisfy the requirement of DND (the “**Client**”) for 3D Simulation Workstations. The resulting Contract will also include options to purchase additional quantities at any time within 12 months of the RVD Contract award date.

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 *Canada-Chile Free Trade Agreement* (CCFTA), and the *Agreement on Internal Trade* (AIT).

1.3 Communications Notification

As a courtesy, the Government of Canada requests that successful bidders notify the Contracting Authority in advance of their intention to make public an announcement related to the award of a contract.

1.4 Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

- (a) 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 issued by Public Works and Government Services Canada (PWGSC).
- (b) 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.
- (c) The 2003 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements are incorporated by reference into and form part of the bid solicitation. If there is a conflict between the provisions of 2003 and this document, this document prevails.
- (d) Subsection 4.4 of Standard Instructions - Goods or Services - Competitive Requirements 2003 is amended as follows:
 - (i) Delete: sixty (60) days
 - (ii) Insert: ninety (90) days

2.2 Submission of Bids

- (a) Bids must be submitted only to Public Works and Government Services Canada Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.
- (b) Due to the nature of the bid solicitation, bids transmitted by facsimile or electronic mail to Public Works and Government Services Canada will not be accepted.

2.3 Enquiries - Bid Solicitation

- (a) All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.
- (b) Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a "proprietary" nature must be clearly marked "proprietary" at each relevant item. Items identified as proprietary will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4 Applicable Laws

- (a) Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.
- (b) A bidder may, at its discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of its bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of its choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidder.

Note to Bidders: Bidders are requested to indicate the Canadian province or territory they wish to apply to any resulting contract in their Bid Submission Form.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- (a) Canada requests that bidders provide their bid in separately bound sections as follows:

- (i) Section I: Technical Bid (2 hard copies, 1 soft copy on USB)
- (ii) Section II: Financial Bid (1 hard copy, 1 soft copy on USB)
- (iii) Section III: Certifications (1 hard copy, 1 soft copy on USB)

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

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

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

- (i) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (ii) use a numbering system that corresponds to the bid solicitation;
- (iii) include a title page at the front of each volume of the bid that includes the title, date, bid solicitation number, bidder's name and address and contact information of its representative; and
- (iv) include a table of contents.

- (c) The Bidder may submit more than one bid. If an alternate bid is submitted, it must be a physically separate document, clearly marked as an alternate bid. Each bid will be evaluated independently, without regard to the other bids submitted by the Bidder. As a result, every bid must be complete on its own. Even though material submitted in one bid will not be used to supplement another bid submitted by the same bidder, where inconsistencies are noted among multiple bids submitted by the same bidder, Canada may take those inconsistencies into account in evaluating the multiple bids. If the Bidder submits multiple bids and wishes to withdraw one or more of those bids, Canada may require that the Bidder withdraw either all its bids, or none of them.

3.2 Section I: Technical Bid

- (a) The technical bid consists of the following:

- (i) **Bid Submission Form:** Bidders are requested to include the Bid Submission Form with their bids. It provides a common form in which bidders can provide information required for evaluation and contract award, such as a contact name, the Bidder's Procurement Business Number, the Bidder's status under the Federal Contractors Program for Employment Equity, etc. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.
- (ii) **Substantiation of Technical Compliance Form:** The technical bid must substantiate the compliance of the Bidder and its proposed products with the specific articles of Annex A (Statement of Requirement) identified in the Substantiation of Technical Compliance Form, which is the requested format for providing the substantiation. The Substantiation of Technical Compliance Form is not required to address any parts of this bid solicitation not referenced in the form. The substantiation must not simply be a repetition of the requirement(s), but must explain and demonstrate how the Bidder will meet the

requirements and carry out the required Work. Simply stating that the Bidder or its proposed solution or product complies is not sufficient. Where Canada determines that the substantiation is not complete, the Bidder will be considered non-responsive and disqualified. The substantiation may refer to additional documentation submitted with the bid - this information can be referenced in the "Reference" column of the Substantiation of Technical Compliance Form, where bidders are requested to indicate where in the bid the reference material can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation.

3.3 Section II: Financial Bid

- (a) **Pricing:** Bidders must submit their financial bid in accordance with Annex B List of Deliverables. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable. Unless otherwise indicated, bidders must include a single, firm, all-inclusive price quoted in Canadian dollars in each cell requiring an entry in the pricing tables.
- (b) **All Costs to be Included:** The financial bid must include all costs for the requirement described in the bid solicitation for the entire Contract Period, including any option years. The identification of all necessary equipment, software, peripherals, cabling and components required to meet the requirements of the bid solicitation and the associated costs of these items is the sole responsibility of the Bidder.
- (c) **Blank Prices:** Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in the tables. If the Bidder leaves any price blank, Canada will treat the price as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

3.4 Section III: Certifications

Bidders must submit the certifications 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.
- (c) In addition to any other time periods established in the bid solicitation:
 - (i) **Requests for Clarifications:** If Canada seeks clarification or verification from the Bidder about its bid, the Bidder will have 2 working days (or a longer period if specified in writing by the Contracting Authority) to provide the necessary information to Canada. Failure to meet this deadline will result in the bid being declared non-responsive.
 - (ii) **Extension of Time:** If additional time is required by the Bidder, the Contracting Authority may grant an extension in his or her sole discretion.

4.2 Technical Evaluation - Mandatory Technical Criteria

- (a) Each bid will be reviewed to determine whether it meets the mandatory requirements of the bid solicitation. All elements of the bid solicitation that are mandatory requirements are identified specifically with the words "must" or "mandatory". Bids that do not comply with each and every mandatory requirement will be considered non-responsive and be disqualified.
- (b) The mandatory requirements are described in Annex A and Annex B.

4.3 Financial Evaluation

- (a) Canada will calculate the aggregate cost of all items (both the initial and optional quantities) listed in Annex A.
- (b) The Total Bid Price (TBP) will be calculated as follows:

$$\text{TBP} = \text{Item 1 Unit Price} \times \text{Item 1 Quantity} + \text{Item 2 Unit Price} \times \text{Item 2 Quantity} + \text{Item 3 Unit Price} \times \text{Item 3 Quantity} + \text{Item 4 Unit Price} \times \text{Item 4 Quantity}$$

4.4 Basis of Selection

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted in accordance with the articles below.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

5.1 Mandatory Certifications Required Precedent to Contract Award - Code of Conduct Certifications

By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required names have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form- PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

5.2 Additional Certifications Precedent to Contract Award

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

5.3 Federal Contractors Program - Certification

- (a) The Federal Contractors Program for Employment Equity (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.
- (b) Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the *Government Contract Regulations*. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to fewer than 100 employees. Any bids from ineligible contractors will be declared non-responsive.
- (c) If the Bidder does not fall within the exceptions enumerated in (d)(i) or (ii) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
- (d) Each bidder is requested to indicate in its bid whether it is:
 - (i) not subject to FCP, having a workforce of fewer than 100 permanent full or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada;
 - (ii) not subject to FCP, being a regulated employer under the *Employment Equity Act*, S.C. 1995, c. 44;
 - (iii) subject to the requirements of FCP, because it has a workforce of 100 or more permanent full or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada, but it has not previously obtained a certificate number from HRSD (because it has not bid before on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is required from the Bidder; or
 - (iv) subject to FCP, and has a valid certification number (i.e., has not been declared an ineligible contractor by HRSDC).
- (e) Further information on the FCP is available on the following HRSDC Website:
<http://www.hrsdc.gc.ca/en/gateways/topics/wzp-gxr.shtml>.

Note to Bidders: Bidders are requested to use the Bid Submission Form to provide information about their status under this program. For a joint venture bidder, this information must be provided for each member of the joint venture.

5.4 Former Public Servant Certification

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

-
- (i) **"former public servant"** means a former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police and includes:
- (A) an individual;
 - (B) an individual who has incorporated;
 - (C) a partnership made of former public servants; or
 - (D) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.
- (ii) **"lump sum payment period"** means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.
- (iii) **"pension"** means, in the context of the fee abatement formula, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S. 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension payable to the *Canadian Pension Plan Act*, R.S., 1985, c. C-8.
- (c) If the Bidder is an FPS in receipt of a pension as defined above, the Bidder must provide the following information:
- (i) name of former public servant;
 - (ii) date of termination of employment or retirement from the Public Service.
- (d) If the Bidder is an FPS who received a lump sum payment pursuant to the terms of a work force reduction program, the Bidder must provide the following information:
- (i) name of former public servant;
 - (ii) conditions of the lump sum payment incentive;
 - (iii) date of termination of employment;
 - (iv) amount of lump sum payment;
 - (v) rate of pay on which lump sum payment is based;
 - (vi) period of lump sum payment including start date, end date and number of weeks; and
 - (vii) number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.
- (e) For all contracts awarded during the lump sum payment period, the total amount of fee that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.
- (f) By submitting a bid, the Bidder certifies that the information submitted by the Bidder in response to the above requirements is accurate and complete.

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Note to Bidders: <i>Bidders are requested to provide the information required by this clause in their Bid Submission Form.</i>

5.5 Bidder Certifies that All Equipment and Software is “Off-the-Shelf”

Any equipment and software bid to meet this requirement must be “off-the-shelf” (unless otherwise stated in this bid solicitation), meaning that each item of equipment and software is commercially available and requires no further research or development and is part of an existing product line with a field-proven operational history (that is, it has not simply been tested in a laboratory or experimental environment). If any of the equipment or software bid is a fully compatible extension of a field-proven product line, it must have been publicly announced on or before the bid closing date. By submitting a bid, the Bidder is certifying that all the equipment and software bid is off-the-shelf.

5.6 OEM Certification

- (a) Any Bidder that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its bid is required to submit the OEM's certification regarding the Bidder's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Bidder). No Contract will be awarded to a Bidder who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM certification has been provided to Canada. Bidders are requested to use the OEM Certification Form included with the bid solicitation. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Bidders/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided.
- (b) If the hardware proposed by the Bidder originates with multiple OEMs, a separate OEM certification is required from each OEM.
- (c) For the purposes of this bid solicitation, OEM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Requirement

- (a) _____ (the "**Contractor**") agrees to supply to the Client the goods described in the Contract, including the Statement of Requirement, in accordance with, and at the prices set out in, the Contract. This includes:
- (i) supplying the purchased Hardware;
 - (ii) providing the Hardware Documentation;
 - (iii) providing maintenance and support services for the Hardware during the Hardware Maintenance Period;
 - (iv) granting the license to use the Licensed Software described in the Contract;
- (b) **Client:** Under the Contract, the "**Client**" is DND.
- (c) **Reorganization of Client:** The Contractor's obligation to perform the Work will not be affected by (and no additional fees will be payable as a result of) the renaming, reorganization, reconfiguration, or restructuring of any Client. The reorganization, reconfiguration and restructuring of the Client includes the privatization of the Client, its merger with another entity, or its dissolution, where that dissolution is followed by the creation of another entity or entities with mandates similar to the original Client.
- (d) **Defined Terms:** Words and expressions defined in the General Conditions or Supplemental General Conditions and used in the Contract have the meanings given to them in the General Conditions or Supplemental General Conditions. Also, the following words and expressions have the following meanings:
- (i) any reference to a "**deliverable**" or "**deliverables**" includes the Hardware, and the license to use the Licensed Software (the Licensed Software itself is not a deliverable, because the Licensed Software is only being licensed under the Contract, not sold or transferred).

6.2 Optional Goods

- (a) The Contractor grants to Canada the irrevocable option to acquire the goods described at Annex B of the Contract under the same terms and conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority by notice in writing and will be evidenced, for administrative purposes only, through a contract amendment.
- (b) The Contracting Authority may exercise the option within 12 months after contract award by sending a written notice to the Contractor.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada.

- (a) **General Conditions:**
- (i) 2030 (2012-07-16), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

(b) Supplemental General Conditions:

The following Supplemental General Conditions:

- (i) 4001 (2010-08-16), Supplemental General Conditions - Hardware Purchase, Lease and Maintenance;

apply to and form part of the Contract.

6.4 Contract Period

- (a) **Contract Period:** The "**Contract Period**" is the entire period of time during which the Contractor is obliged to perform the Work, which:

- (i) begins on the date the Contract is awarded; and
 (ii) ends on the day that the Hardware Warranty Period for the most recently purchased product expires, or on the day that the final warranty work initiated during the Hardware Warranty Period is complete, whichever is later.

Orders for products can only be placed during the first year of the Contract Period.

6.5 Delivery Date

Delivery must be completed within 30 calendar days after the date of Contract Award or the date on which the specific deliverable is ordered, whichever is later.

6.6 Authorities

- (a) **Contracting Authority**

The Contracting Authority for the Contract is:

Name: Soun You
 Title: Supply Specialist
 Public Works and Government Services Canada
 Acquisitions Branch
 Directorate: Informatics and Telecommunications Systems Procurement Directorate
 Address: 11 Laurier Street, Gatineau, Quebec K1A 0S5
 Telephone: 819-956-8287
 Facsimile: 819-956-1156
 E-mail address: soun.you@tpsgc-pwgsc.gc.ca

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

- (b) **Technical Authority**

The Technical Authority for the Contract is:

Name: _____
 Title: _____
 Organization: _____
 Address: _____
 Telephone: _____
 Facsimile: _____
 E-mail address: _____

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

(c) **Contractor's Representative**

Name: _____
 Title: _____
 Organization: _____
 Address: _____
 Telephone: _____
 Facsimile: _____
 E-mail address: _____

6.7 Payment

(a) **Basis of Payment**

- (i) **Purchased Hardware:** For providing the Hardware in accordance with the Contract, Canada will pay the Contractor the firm price(s) set out in Annex ____, FOB destination, including all customs duties, GST/HST extra.

Estimated Cost: \$ _____

- (ii) **GST/HST:**

Estimated Cost: \$ _____

- (iii) **Competitive Award:** The Contractor acknowledges that the Contract has been awarded as a result of a competitive process. No additional charges will be allowed to compensate for errors, oversights, misconceptions or underestimates made by the Contractor when bidding for the Contract.

(b) **Method of Payment - Single Payment**

- (i) H1000C (2008-05-12), Single Payment

(c) **Price Protection - Most Favoured Customer**

- (i) To the best of the Contractor's knowledge, the prices it is charging to Canada under the Contract are not higher than the lowest prices/rates that it has charged any other customer (including other Government of Canada entities) for a similar quality and quantity of goods and services in the year before the Contract was awarded.
- (ii) The Contractor also agrees that, if after the date of the Contract it reduces the prices it charges to other customers for a similar quality and quantity of goods and services, it will reduce the prices for all remaining deliveries under the Contract (with notice to the Contracting Authority).
- (iii) At any time during the 6 years after making the final payment under the Contract or until all claims and disputes then outstanding are settled, whichever is later, Canada has the right to audit the Contractor's records to verify that it is receiving (or has received) these prices. Canada will give at least 2 weeks of notice before the audit.
- (iv) During this audit, the Contractor must produce invoices and contracts for similar quality or quantity of goods or services sold to other customers from one year before the Contract was awarded until the end of the Contract Period. If the Contractor is required by law or by contract to keep another customer's information confidential, the Contractor may black out any information on the invoices or contracts that could reasonably reveal the identity

of the customer (such as the customer's name and address), as long as the Contractor provides, together with the invoices and contracts, a certification from its Chief Financial Officer describing the profile of the customer (e.g., whether it is a public sector or private sector customer and the customer's size and service locations).

- (v) In determining whether the goods and services sold to another customer were of similar quality, the terms and conditions of the contract under which those goods and services were delivered will be considered, if those terms and conditions are reasonably likely to have had a material effect on pricing.
- (vi) If Canada's audit reveals that the Contractor charged lower prices for a similar quality and quantity of goods and services under any contract where deliveries were made in the year before the Contract was awarded, or that the Contractor delivered additional goods or services under the Contract after reducing its prices for other customers but without reducing the prices under the Contract, then the Contractor must pay to Canada the difference between the amount charged to Canada and the amount charged to the other customer, up to a maximum of 25% of the value of the Contract.
- (vii) Canada acknowledges that this commitment does not apply to prices charged by any affiliates of the Contractor.

6.8 Invoicing Instructions

- (a) The Contractor must submit invoices in accordance with the information required in the General Conditions.
- (b) The Contractor's invoice must include a separate line item for each subparagraph in the Basis of Payment provision.
- (c) By submitting invoices, the Contractor is certifying that the goods and services have been delivered and that all charges are in accordance with the Basis of Payment provision of the Contract, including any charges for work performed by subcontractors.
- (d) The Contractor must provide the original of each invoice to the Technical Authority. On request, the Contractor must provide a copy of any invoices requested by the Contracting Authority.

6.9 Certifications

- (a) Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the entire Contract Period. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, under the default provision of the Contract, to terminate the Contract for default.

6.10 Applicable Laws

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

6.11 Priority of Documents

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

- (a) these Articles of Agreement,

- (b) 4001 (2010-08-16), Supplemental General Conditions - Hardware Purchase, Lease and Maintenance;
- (c) 2030 (2012-07-16), General Conditions - Higher Complexity - Goods;
- (d) Annex A, Statement of Requirement;
- (e) the Contractor's bid dated _____, as amended _____, not including any software publisher license terms and conditions that may be included in the bid, not including any provisions in the bid with respect to limitations on liability, and not including any terms and conditions incorporated by reference (including by way of a web link) in the bid.

6.12 Limitation of Liability - Information Technology

- (a) This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees. This section applies regardless of whether the claim is based in contract, tort, or another cause of action. The Contractor is not liable to Canada with respect to the performance of or failure to perform the Contract, except as described in this section and in any section of the Contract pre-establishing any liquidated damages. The Contractor is only liable for indirect, special or consequential damages to the extent described in this Article, even if it has been made aware of the potential for those damages.
- (b) **First Party Liability:**
 - (i) The Contractor is fully liable for all damages to Canada, including indirect, special or consequential damages, caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any infringement of intellectual property rights to the extent the Contractor breaches the section of the General Conditions entitled "Intellectual Property Infringement and Royalties";
 - (B) physical injury, including death.
 - (ii) The Contractor is liable for all direct damages affecting real or tangible personal property owned, possessed, or occupied by Canada.
 - (iii) Each of the Parties is liable for all direct damages resulting from any breach of confidentiality under the Contract. Each of the Parties is also liable for all indirect, special or consequential damages in respect of any unauthorized disclosure of the other Party's trade secrets (or trade secrets of a third party provided by one Party to another under the Contract) relating to information technology.
 - (iv) The Contractor is liable for all direct damages relating to any encumbrance or claim relating to any portion of the Work for which Canada has made any payment. This does not apply to encumbrances or claims relating to intellectual property rights, which are addressed under (i)(A) above.
 - (v) The Contractor is also liable for any other direct damages to Canada caused by the Contractor in any way relating to the Contract, including:
 - (A) any breach of the warranty obligations under the Contract, up to the total amount paid by Canada (including any applicable taxes) for the goods and services affected by the breach of warranty; and
 - (B) any other direct damages, including all identifiable direct costs to Canada associated with re-procuring the Work from another party if the Contract is terminated either in whole or in part for default, up to an aggregate maximum for this subparagraph (B) of the greater of 0.5 times the total estimated cost (meaning

the dollar amount shown on the first page of the Contract in the cell titled "Total Estimated Cost" or shown on each call-up, purchase order or other document used to order goods or services under this instrument), or \$1,000,000.00.

In any case, the total liability of the Contractor under subparagraph (v) will not exceed the total estimated cost (as defined above) for the Contract or \$1,000,000.00, whichever is more.

- (vi) If Canada's records or data are harmed as a result of the Contractor's negligence or willful act, the Contractor's only liability is, at the Contractor's own expense, to restore Canada's records and data using the most recent back-up kept by Canada. Canada is responsible for maintaining an adequate back-up of its records and data.

(c) **Third Party Claims:**

- (i) Regardless of whether a third party makes its claim against Canada or the Contractor, each Party agrees that it is liable for any damages that it causes to any third party in connection with the Contract as set out in a settlement agreement or as finally determined by a court of competent jurisdiction, where the court determines that the Parties are jointly and severally liable or that one Party is solely and directly liable to the third party. The amount of the liability will be the amount set out in the settlement agreement or determined by the court to have been the Party's portion of the damages to the third party. No settlement agreement is binding on a Party unless its authorized representative has approved the agreement in writing.
- (ii) If Canada is required, as a result of joint and several liability, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada by the amount finally determined by a court of competent jurisdiction to be the Contractor's portion of the damages to the third party. However, despite Sub-article (i), with respect to special, indirect, and consequential damages of third parties covered by this Section, the Contractor is only liable for reimbursing Canada for the Contractor's portion of those damages that Canada is required by a court to pay to a third party as a result of joint and several liability that relate to the infringement of a third party's intellectual property rights; physical injury of a third party, including death; damages affecting a third party's real or tangible personal property; liens or encumbrances on any portion of the Work; or breach of confidentiality.
- (iii) The Parties are only liable to one another for damages to third parties to the extent described in this Sub-article (c).

6.13 Hardware

- (a) With respect to the provisions of Supplemental General Conditions 4001:

Part III of 4001 applies to the Contract (Additional Conditions: Purchase)	Yes
Part IV of 4001 applies to the Contract (Additional Conditions: Lease)	No
Part V of 4001 applies to the Contract (Additional Conditions: Maintenance)	No
Delivery Location	25 CFSD RECEIPTS SECTION CFB MONTREAL 6363 NOTRE DAME EST MONTREAL, QC H1N 3V9
Contractor must deliver Hardware Documentation	Yes
Contractor must update Hardware Documentation throughout Contract Period	No

Hardware Documentation must include maintenance documentation	No
Special Delivery Requirements	Yes - See Annex A Statement of Requirement
Special Site Delivery or Installation Requirements	Yes - See Annex A Statement of Requirement
Contractor must Install Hardware at time of Delivery	No
Hardware Warranty Period	4 years
Class of Maintenance Service	On-Site Maintenance Service
Toll-free Telephone Number for Maintenance Service	[to be completed with information from the Contractor at the time of award]
Website for Maintenance Service	[to be completed with information from the Contractor at the time of award]

6.14 Delivery-Specific Deliverable Substitutions of Hardware

- (a) If the Contractor is unable to provide a specific item of Hardware ordered under the Contract and wishes to offer a substitute in respect of that order, the Contractor must submit a request to the Contracting Authority together with a certificate that the proposed substitute item meets or exceeds the specification(s) of the existing product being substituted and the price for the substitute product must not exceed:
- (i) the firm price (or ceiling price, if applicable) for the product originally offered in the Contractor's bid that resulted in the award of the Contract;
 - (ii) the current published list price of the substitute product, minus any applicable Government discount; or
 - (iii) the price at which the substitute product is generally available for purchase, whichever is the lowest.
- (b) The substitute item must not be shipped until formally authorized by the Contracting Authority after the Technical Authority determines the substitution is acceptable. Whether or not to accept or reject a proposed substitution is entirely within the discretion of Canada.
- (c) The ability to propose a substitute for a specific delivery does not relieve the Contractor of its obligation to make delivery within the period set out in the Contract, regardless of whether or when the proposed substitution is approved.

6.15 Safeguarding Electronic Media

- (a) Before using them on Canada's equipment or sending them to Canada, the Contractor must use a regularly updated product to scan electronically all electronic media used to perform the Work for computer viruses and other coding intended to cause malfunctions. The Contractor must notify Canada if any electronic media used for the Work are found to contain computer viruses or other coding intended to cause malfunctions.
- (b) If magnetically recorded information or documentation is damaged or lost while in the Contractor's care or at any time before it is delivered to Canada in accordance with the Contract, including accidental erasure, the Contractor must immediately replace it at its own expense.

6.16 Access to Canada's Property and Facilities

Canada's property, facilities, equipment, documentation, and personnel are not automatically available to the Contractor. If the Contractor would like access to any of these, it is responsible for making a request to the Technical Authority. Unless expressly stated in the Contract, Canada has no obligation to provide any of these to the Contractor. If Canada chooses, in its discretion, to make its property, facilities, equipment,

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documentation or personnel available to the Contractor to perform the Work, Canada may require an adjustment to the Basis of Payment and additional security requirements may apply.

ANNEX A STATEMENT OF REQUIREMENT

1.0 INTRODUCTION

This document addresses the requirements for a SLI or Crossfire enabled 3D Workstation

2.0 CONFIGURATIONS

Systems must meet or exceed the technical specifications outlined in this Annex.

2.1 HIGH PERFORMANCE 3D SIMULATION DESKTOP COMPUTER

(a) Processor and Chip Set

- (i) Intel Core i7-3930 (Ivy Bridge) processor.
- (ii) The processor must operate at the CPU manufacturer's specified megahertz frequency or rated speed, and return these results when queried with the CPU identification utility.
- (iii) Processor specifications, features and values must be identical to the manufacturer's published "reference design" standard. Specifications and values may not be achieved through over-clocking or other means that depart from the manufacturer's published "reference design" standard.
- (iv) The chip set must be the Intel X79 high performance chip set.

Note: The Offeror may propose an equivalent chip set during the RFP Q&A period. Canada reserves the right to determine the level of equivalency at that time.

(b) Desktop Virtualisation

All desktop processors and chip sets must have hardware embedded Intel VT-x and VT-d virtualisation capabilities.

(c) RAM

- (i) 16 GB of triple channel DDR3 1600 MHz RAM populated with 4x4 GB DIMMs.
- (ii) All RAM modules must be constructed of the same metal as found on the motherboard RAM module sockets. There must not be dissimilar metals (i.e. gold plated RAM module connectors and tin motherboard sockets).
- (iii) All RAM must be manufactured by an ISO (International Standards Organization) 9001 certified manufacturer. The ISO certification applies to the RAM module manufacturing process.
- (iv) All memory upgrades or their equivalents must be accessible for at least 3 years after system purchase.
- (v) All RAM must be Quad Channel Memory Architecture.
- (vi) The system must be expandable to a minimum of 64 GB of RAM.

(d) Internal Primary Solid State Disk (SSD) and controller

- (i) SSD must be 120 GB. with a SATA 3.0 (6 GB./s) interface.
- (ii) Hard disk must have physical bytes of storage as specified in this annex, without the use of hardware or software disk compression utilities, as actual formatted data space available to the end-user.
- (iii) The high performance SSD must specifically be one of the following: Intel SSD 330, Crucial Real SSD C300 or Corsair Force F120.

- (iv) All drives must come with appropriate mounting hardware.
- (v) The Offeror may propose an equivalent SSD during the RFP Q&A period. Canada reserves the right to determine the level of equivalency at that time.

(e) Internal Secondary Hard Disk Drive

- (i) The secondary hard disk drive must be 1.0 TB. capacity with a 10,000 R.P.M. spin rate, a SATA version 3.0 (6 Gb./sec.) interface and 64 MB. of cache.
- (ii) Hard disk must have physical bytes of storage as specified in this annex, without the use of hardware or software disk compression utilities, as actual formatted data space available to the end-user.
- (iii) All drives must come with appropriate mounting hardware.

(f) Internal DVD+-R/RW DL drive with SATA interface

(g) Video

- (i) Video card specifications, features and values must be identical to the manufacturer's published "reference design" standard. Specifications and values may not be achieved through over-clocking or other means that depart from the manufacturer's published "reference design" standard.
- (ii) SLI or Crossfire capable graphics card with the following attributes at a minimum:
 - (A) One PCI-Express 3.0 16x SLI video controller based on a Nvidia GTX 680 SLI GPU or one PCI-Express 3.0 16x video controller based on an AMD HD 7970 CF GPU.

The Offeror may propose an equivalent GPU and controller during the RFP Q&A period. Canada reserves the right to determine the level of equivalency at that time.

- (B) 2.0 GB. of dedicated GDDR5 SDRAM;
- (C) Must produce a 2560x1600 maximum resolution;
- (D) Must provide 4 digital output ports;
- (E) Must support Direct X 11.0, Shader Model 5.0 and DDC/CI (Display Data Channel/Command Interface).

(h) Audio

Integrated, 8 channel high definition audio adapter must have line out and microphone ports. Ports must appear on front of system unit.

(i) Integrated 10/100/1000 Base TX Ethernet adapter with remote wake up and PXE support

- (i) Systems must come with a 10/100/1000 Mbps. (Megabits per second) 10/100/1000 TX integrated Ethernet network adapters.
- (ii) The adapter must be PnP (Plug-and-Play) compliant.
- (iii) The adapter must come with a RJ-45 port.
- (iv) The protocols supported must include TCP/IPv6.0. As a minimum a driver compatible with Windows XP Professional and Windows 7 Professional must be provided.
- (v) The adapter must support wake-up-on-LAN version 2.0.

- (vi) The adapter must support software configuration for: operation at either 10 Mbps or 100 Mbps; general setup; diagnostics.

(j) Security

- (i) System must have an integrated TPM v.1.2 (Trusted Platform Module) integrated on the motherboard.
- (ii) System must have a power on password and system BIOS setup password capability.

(k) Ports

- (i) The front of the case must have the following ports: 2 USB vers. 3.0, 4 USB version 2.0 , 1 microphone, 1 headphone and 19-in-1 card reader (slot only).
- (ii) The rear or front of the case must have the following additional ports: 2 USB version 3.0, 3 USB vers. 2.0, 1 audio line in, 1 audio line out and 1 RJ-45 Ethernet.

(l) Power

- (i) The power supply must supply a minimum 1.0 kilowatts.
- (ii) The power supply must meet the 80Plus Gold certification.
- (iii) The configuration must run support the ATX12V v2.2 standard and Universal AC input 90~264V.
- (iv) The PSU must supply four (4) 6-pin PCI-E receptacles and support the SLI or Crossfire video controllers specified in this annex.
- (v) The power supply must adequately power a fully populated system (i.e. all drive bays populated, the maximum RAM expansion and 2 SLI or Crossfire video controllers as specified in this annex).
- (vi) It must operate in temperature and humidity conditions of the normal business office environment, with no special air conditioning required.
- (vii) All external cabling must be positively secured and resistant to damage.
- (viii) The power supply must support the Wake Up On LAN feature specified in this annex.
- (ix) There must be sufficient power supply cabling for each vacant drive bay supplied in the chassis.

(m) Case/ Chassis and Motherboard

- (i) The motherboard must have 4 expansion slots including a minimum of 2 PCI-e 16x vers 3.0, and 2 PCI-e vers. 2.0.
- (ii) The motherboard must be certified as Nvidia SLI ready or AMD Crossfire ready.
- (iii) The external or internal openings to all expansion and DIMM slots (mandatory or otherwise) must not be blocked (e.g. ribbon cable, drive cable, etc.).
- (iv) The case must be a tower form factor case of no less than 13 inches tall and have 2 x 5 1/4 inch internal drive bays with frontal access and 3 x 3 1/2 inch internal hard drive bays after configuration as specified herein.
- (v) The case must stand vertically and must situate the optical drive(s) in a horizontal attitude.
- (vi) The separate rear port bezel (if offered) must be appropriate to the ports supplied. There must be no vacant ports, concealed or otherwise, following the default systems' assembly.

- (vii) If the system includes a hardware-reset switch it must be designed with sufficient protection to prevent accidental switching.
- (viii) The case must have a means of locking, either by padlock rings integral to the case or an internal case lock with key or a BIOS controlled internal case lock.
- (ix) The case must include a Kensington lock slot.

2.2 KEYBOARD AND MOUSE

- (i) The keyboard must be the bilingual Solidus KBS225FE-USB.
- (ii) The Offeror may propose an equivalent keyboard during the RFP Q&A period. Canada reserves the right to determine the level of equivalency at that time.
The mouse must be an optical 4 button mouse.
- (iii) The mouse must be manufactured by Microsoft or Logitech or must be an Original Equipment Manufacturer (O.E.M.) approved model and must have the O.E.M. brand permanently etched on the device.

3.0 TECHNICAL DOCUMENTATION

3.1 USER MANUAL

Each system must include an operator/user manual(s). These manuals must be comprehensive guides that include the user instructions for setting up, installing and configuring all components of the default system. These manual(s) must consists of at least the following:

- (a) **Bilingual:** The manual(s) for each system must be available in both official languages.
- (b) **User manual:** The user manual for each system must include an accurate description of all hardware components and all their respective features. This must include descriptions of, and installation and configuration instructions for, all components.
- (c) **Diagrams:** For the purposes of orientation, and as a complement to the setup and configuration instructions, the manual must offer internal and external diagrams of the system. These diagrams must accurately illustrate external chassis (front and rear), rear chassis port configuration, hard drive cage assembly (for the purposes of hard disk configuration), cover removal, motherboard, jumper locations, CPU slot or socket and RAM module slots.
- (d) The manual(s) must include documentation for power, power management, environmental or site preparation requirements.
- (e) The manual(s) must include diagnostics/troubleshooting section referencing errors generated through power-on self-test (POST), system BIOS and any other hardware errors. This section must also include appropriate explanations and troubleshooting advice for each error described.
- (f) The features in articles (a) through (e) must be included in the same document, in the same format and their respective chapters must be referenced properly in a table of contents and an index.
- (g) Should the system undergo a major configuration change (changes in motherboard, BIOS make, setup/configuration routines, external cabinet and chassis) during the life of the Standing Offer, the manuals must reflect that change in the form of a manual reissue or an addendum shipped with the original manual
- (h) The manuals must not describe components that are obsolete and are not included in the system.
- (i) The manuals described in this Annex must be available electronically.

4.0 CERTIFICATION AND APPROVAL

4.1 Hardware Certifications and Approvals

(a) All high-voltage electrical equipment must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, prior to delivery, by an agency accredited by the Standards Council of Canada. All systems must bear the certification logo that is applicable to the accredited agency. Current accredited agencies include, but are not exclusively comprised of:

- (i) Canadian Standards Association (CSA).
- (ii) Underwriters' Laboratory Inc. (cUL) (cULus).
- (iii) Underwriters' Laboratories of Canada (ULC).
- (iv) Entela Canada (cEntela).
- (v) Intertek Testing Services (cETL).
- (vi) Met Laboratories (cMET).
- (vii) OMNI Environmental Services Inc (cOTL).
- (viii) TUV Rhineland of North America (cTUV).

(b) All systems and monitors must comply with the emission limits and labelling requirements set out in the Interference Causing Standard ICES-003, "Digital Apparatus", published by Industry Canada.

(c) Devices that have obtained Industry Canada ICES-003 approval that have been assembled from tested components and have not undergone entire system testing will be considered non-compliant. All devices tested must bear the appropriate labels indicating trade name, model number, and the words indicating Industry Canada ICES-003 compliance.

(d) All systems must be certified for Microsoft's Windows Logo Program for Windows 7 Professional. The certification must be between Microsoft and the Original Equipment Manufacturer.

(e) Acoustics:

- (i) All systems must have the declared A-weighted sound power level, LWAd, bels (decibels) must not exceed 5.0 at idle (equivalent to 50 decibels) and 5.3 at operating (hard drive) (equivalent to 53 decibels).

Note: LWAd values are determined according to ISO 9296 based on measurements according to ISO 7779. Idle mode is defined in ISO 7779 and includes fan noise and may include a hard disk drive that is spinning but not accessing. Operating mode is defined in ISO 7779 and applies to accessing of the hard disk drive, not an optical disk drive, and includes fan noise.

4.2 Environmental Stewardship

(a) In support of the Canadian Federal Government's Sustainable Development Strategy, which includes policies on Green Procurement, the system and monitor manufacturers must commit to a comprehensive, nationally recognised environmental standard for:

- (i) The reduction or elimination of environmentally hazardous materials
- (ii) Design for reuse and recycle
- (iii) Energy efficiency
- (iv) End of Life Management for reuse and recycle
- (v) Environmental stewardship in the manufacturing process
- (vi) Packaging

(b) All systems must be certified through the Electronic Product Environmental Assessment Tool (EPEAT Gold level).

(c) In addition to the mandatory EPEAT certification, the system must meet and be verified for 4.7.2.2: Third-party certified environmental management system for design and manufacturing organizations.

(d) The system manufacturer must include 80Plus Gold certified, high efficiency power supplies in their default offering.

(e) The system manufacturer must be a member in good standing of a recognized entity specifically established to address end-of-life electronics recycling and reuse in Canada. This entity must demonstrate an investment in environmental stewardship, and must be in compliance with all applicable laws and regulations.

5.0 VALUE-ADDED VENDOR SUPPORT

5.1 TELEPHONE SUPPORT

(a) The Offeror must provide end-user accessible telephone hardware technical support for all supplied systems, involving hardware troubleshooting, configuration support and any systemic software/hardware interoperability issues and/or connectivity issues.

(b) The telephone support staff must support:

- (i) All internal hardware components of the system supplied.
- (ii) Windows 7 Professional operating system as it relates to the Offeror's system.
- (iii) Peripherals such as optical drives, if supplied by the Offeror as it relates to the Offeror's system.
- (iv) Connectivity issues relating to all terrestrial and wireless communications devices supplied.

(c) The telephone support line must:

- (i) Be a toll free service.
- (ii) Employ a minimum staff of five system engineers concurrently 24 hours a day, 7 days a week dedicated to the Offeror's product.
- (iii) Offer support service in both official languages (French and English).
- (iv) Be accessible from all parts of Canada, United States and from international locations where service is available.
- (v) Use a serial number tracking system that identifies all components, respective versions and respective driver versions of the installed system undergoing the troubleshooting.
- (vi) Use an electronically shared, nation-wide knowledge database to be used by support staff for all acquired troubleshooting expertise, product idiosyncrasies and configuration parameters and all warranty entitlements for each specific component supplied.
- (vii) Include provisions to escalate issues to plant of component manufacture.
- (viii) Provide a minimum 90% first call connection rate to a trained and qualified support technician. If a message centre expedites the call, a trained and qualified technician must respond, in the language of the caller's choosing, within one hour. During the call the technician must engage in a problem diagnosis process with the customer prior to a service call being placed.
- (ix) Not exceed an on-hold time of more than five minutes on initial call.
- (x) Be supplied at no additional cost (i.e. included in the cost of the system)

(xi) Be available for the life of the product.

(d) This telephone support service described in articles (a) through (c) must be operated by the original equipment manufacturer. Third party solutions will be evaluated as non-compliant.

5.2 WEB SITE SUPPORT

The Offeror must provide an Internet site offering:

(a) Support file areas offering download/upload access for drivers, setup and configuration files and other pertinent software. These files, drivers and documents must be clearly identified as pertaining to the specific make and model of the system.

(b) Message areas for technical assistance and problem diagnosis with system engineers.

(c) Technical information library for downloading product information files, pertinent white papers, default system user service manuals (French and English).

(d) FAQ (frequently asked questions) areas specific to the systems offered.

(e) Bulletins pertaining to product announcements, product recalls, component recalls bug fixes, etc.

(f) Customized e-mail notification subscription services to alert clients of device driver revisions, BIOS/firmware updates that pertain to the exact model family, product recalls, component recalls.

(g) The web site support features must be contained on the default system original equipment manufacturer's web site. Links to other manufacturer's web sites cannot be used to achieve the mandatory requirements stated in this article.

(h) The web site support features must be available in French and English including the final destination page. Exceptions for unilingual content are allowed for technical descriptions, support forums, part number references and technical documentation.

5.3 SPECIAL DELIVERY INSTRUCTIONS

(a) All the items (computer, keyboard, mouse) of a system must be shipped in the same box in order to have only one stock code for the computer and related items.

(b) The Contractor must contact the Requirements Authority (RA) of shipping details 48 hours prior to any delivery to include inventory of shipment, date and time of delivery, name of carrier, and Point-of-Contact for issue resolution. Contact information of the RA will be provided after Contract award.

(c) Delivery for all items is to 25 CFSD, CFB Montreal, 6363 Notre-Dame Est, Montreal, Quebec, H1N 2E9. The Contractor must make delivery arrangements with 25 CFSD Receipts Section (514-252-2777 ext. 2363) 48 hours in advance of actual shipment arrival. Otherwise, shipment may be refused. The hours of operation of 25 CFSD is from 6:30 to 14:00 Monday to Friday.

(d) Please note that 25 CFSD will not accept more than one truck per day for this RVD. Should delivery require more than one truck, multiple deliveries, subject to the approval of the RA, will be accepted.

(e) For the delivery, the Contractor must identify each item clearly. The Contractor must advise the RA of the shipping configuration of all the items. One system per pallet, if possible, is preferred. Each pallet must be 40" x 48" with a maximal height of 65". The proof of delivery must be forwarded to the RA.

5.4 ASSET TAG INSTRUCTIONS

(a) The Contractor is responsible for printing and affixing the asset tags. Asset tagging must be done on the Contractor's property. Asset tags are to be placed on both the units and externally visible on the boxes. The Contractor must supply a detailed manifest in an electronic spreadsheet format containing asset tag numbers and serial numbers.

(b) The following numbers must be used for the asset tags - 0013640000 to 0013659999

(c) The label barcode height should be 34pt with the text immediately below, font size 10 to 14pt. Label size needs to be large enough to accommodate these two fonts with enough background to provide a contrasting frame all around and a minimum 2pt gap between the barcode and text. The style must be a high contrast and should be coloured to distinguish the asset tag from other identifiers. Black print on a light colour label must be used (flat colour labels are more easily scanned than gloss).

(d) The Tag must be placed on the top of the case immediately below the DVD ROM tray or on the top of the desktop case at the mid point.

(e) The tag placement must not obscure or hinder other tags, labels, drive bays or ports.

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ANNEX B LIST OF DELIVERABLES

Item No.	Description	OEM Brand Name and Part Number	Specification URL-Direct link (or attach specification sheet)	Qty	Unit Price	Ext Price
1	Configuration 1 (see Annex A for details)			444		
	Processor: Configured as per Annex A					
	RAM: Configured as per Annex A					
	Primary HD: Configured as per Annex A					
	Secondary HD: Configured as per Annex A					
	Internal Optical Drive: Configured as per Annex A					
	Video Card: Configured as per Annex A					
	Bilingual USB Keyboard: Configured as per Annex A					
	USB Optical Mouse: Configured as per Annex A					
	Windows 7 Enterprise (x64) downgradable to Windows XP SP3. Hardware must be compatible with Windows XP OS					
	A total quantity of five (5) complete sets of current CDs/diskettes/service packs/drivers and licenses for above					
2	Configuration 2 (see Annex A for details)			7		
	Processor: Configured as per Annex A					
	RAM: Configured as per Annex A					
	Primary HD: Configured as per Annex A					
	Secondary HD: Configured as per Annex A					
	Internal Optical Drive: Configured as per Annex A					
	Video Card: Configured as per Annex A					
	Secondary Video Card: Configured as per Annex A					
	Bilingual USB Keyboard: Configured as per Annex A					
	USB Optical Mouse: Configured as per Annex A					
	Windows 7 Enterprise (x64) downgradable to Windows XP SP3. Hardware must be compatible with Windows XP OS					
	A total quantity of five (5) complete sets of current CDs/diskettes/service packs/drivers and licenses for above					
Options						
3	Configuration 1, as per line item 1			444		
4	Configuration 2, as per line item 2			7		
Subtotal				\$		

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BIDDER FORMS

Form 1 - BID SUBMISSION FORM		
Bidder's full legal name		
Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)	Name	
	Title	
	Address	
	Telephone #	
	Fax #	
	Email	
Bidder's Procurement Business Number (PBN) [see the <i>Standard Instructions 2003</i>]		
Jurisdiction of Contract: Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
Former Public Servants See the Article in Part 5 of the bid solicitation entitled Former Public Servant Certification for a definition of "Former Public Servant".	Is the Bidder a FPS in receipt of a pension as defined in the bid solicitation? Yes ____ No ____ If yes, provide the information required by the Article in Part 5 entitled "Former Public Servant Certification"	
	Is the Bidder a FPS who received a lump sum payment under the terms of a work force reduction program? Yes ____ No ____ If yes, provide the information required by the Article in Part 5 entitled "Former Public Servant Certification"	
Canadian Content Certification As described in the solicitation, bids with at least 80% Canadian content are being given a preference. [For the definition of Canadian goods and services, consult the PWGSC SACC clause A3050T]	On behalf of the bidder, by signing below, I confirm that [<i>check the box that applies</i>]:	
	At least 80 percent of the bid price consists of Canadian goods and services (as defined in the solicitation)	
	Less than 80 percent of the bid price consists of Canadian goods and services (as defined in the solicitation)	

Federal Contractors Program for Employment Equity (FCP EE) Certification:	On behalf of the bidder, by signing below, I also confirm that the bidder <i>[check the box that applies]</i> :	
If the bidder is exempt, please indicate the basis for the exemption to the right. If the bidder does not fall within the exceptions enumerated to the right, the Program requirements do apply and the bidder is required either to:	(a) is not subject to Federal Contractors Program for Employment Equity (FCP-EE), because it has a workforce of less than 100 permanent full or part-time employees in Canada;	
(a) submit to the Department of HRSD form LAB 1168, Certificate of Commitment to Implement Employment Equity, DULY SIGNED; or (b) submit a valid Certificate number confirming its adherence to the FCP-EE.	(b) is not subject to FCP-EE, because it is a regulated employer under the <i>Employment Equity Act</i> ;	
Bidders are requested to include their FCP EE Certification or signed LAB 1168 with their bid; if this information is not provided in the bid, it must be provided upon request by the Contracting Authority during evaluation.	(c) is subject to the requirements of FCP-EE, because it has a workforce of 100 or more permanent full or part-time employees in Canada, but has not previously obtained a certificate number from the Department of Human Resources and Skills Development (HRSD) (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached; OR	
For joint ventures, be sure to provide this information for each of the members of the joint venture.	(d) is subject to FCP-EE, and has a valid certification number as follows: _____ (and has not been declared an Ineligible Contractor by HRSD).	
Number of FTEs [Bidders are requested to indicate, the total number of full-time-equivalent positions that would be created and maintained by the bidder if it were awarded the Contract. This information is for information purposes only and will not be evaluated.]		
Security Clearance Level of Bidder <i>[include both the level and the date it was granted]</i>		
On behalf of the bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that: 1. The bidder considers itself and its products able to meet all the mandatory requirements described in the bid solicitation; 2. This bid is valid for the period requested in the bid solicitation; 3. All the information provided in the bid is complete, true and accurate; and 4. If the bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation.		
Signature of Authorized Representative of Bidder		

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Form 2**Substantiation of Technical Compliance Form**

Article of Statement of Requirement that requires substantiation by the Bidder	Bidder Substantiation	Reference to additional Substantiating Materials included in Bid
Section 2.1 - High Performance 3D Simulation Desktop Computer		
Section 2.2 - Keyboard and Mouse		
Section 4.1 -Hardware Certifications and Approvals		
Section 4.2 - Environmental Stewardship		

Form 3**OEM Certification Form**

This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.

Name of OEM _____

Signature of authorized signatory of OEM _____

Print Name of authorized signatory of OEM _____

Print Title of authorized signatory of OEM _____

Address for authorized signatory of OEM _____

Telephone no. for authorized signatory of OEM _____

Fax no. for authorized signatory of OEM _____

Date signed _____

Solicitation Number _____

Name of Bidder _____