



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions/Travaux  
publics et Services gouvernementaux Canada  
See herein for bid submission  
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Voir la présente pour les  
instructions sur la présentation  
d'une soumission

NA  
Ontario

**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**  
Public Works and Government Services / Travaux  
publics et services gouvernementaux  
Kingston Procurement  
Des Acquisitions Kingston  
86 Clarence Street, 2nd floor  
Kingston  
Ontario  
K7L 1X3

<b>Title - Sujet</b> 3D Printer	
<b>Solicitation No. - N° de l'invitation</b> W6448-21C065/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W6448-21-C065	<b>Date</b> 2021-01-12
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$KIN-940-8218	
<b>File No. - N° de dossier</b> KIN-0-54154 (940)	<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> Eastern Standard Time EST <b>on - le 2021-01-22</b> Heure Normale de l'Est HNE	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Davis, Renee	<b>Buyer Id - Id de l'acheteur</b> kin940
<b>Telephone No. - N° de téléphone</b> (343) 550-7805 ( )	<b>FAX No. - N° de FAX</b> (613) 545-8067
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CFB Petawawa, ON	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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## **Amendment 002 to Solicitation W6448-21C065/A – 3D Printer**

### **The purpose of this amendment is to:**

1. Change the closing date;
  2. Post questions and answers;
  3. Amend Solicitation.
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1.

**Refer:** Closing Date and Time  
**Delete:** In its entirety  
**Insert:** Closing Date and Time

Solicitation Closes at 2:00 PM on 2021-01-22, Eastern Daylight Savings Time (EDT)

2.

**Question 1:** For the Mandatory Technical Criteria (section 4.1.1.1.), can you confirm that MTC.5 is accurate? I spoke with our Application Engineers, and they were wondering if the 0.002 inch (or 50.8 microns) for the XY axis should actually apply to the Z axis, and the 0.005 inch (or 127 microns) for the Z axis should actually apply to the XY axis.

**Answer 1:** 0.005 inch XY Axis and 0.002 inch Z Axis are correct and are the tolerance we need.

**Question 2:** In Annex A, section 3.5, can you provide us with more information on the print adhesion stick pads? Any feedback is appreciated.

**Answer 2:** Depending on the companies those consumables can also be called build plate cover or adhesion. That consumable goes over the build plate during printing operation. Depending on the company, the print adhesion stick pads could be made of glass, PEI Film, aluminium or stainless steel or other polymer base. Company should send the bed adhesion stick pads that is the most fitting for the materials requested (as per Annex "A" 3.4).

**Question 3:** For Annex A, section 4.3, b), the requirement says that the equipment must arrive assembled, and ready for implementation. Can you provide additional clarity on this? For example, if the printer is assembled, but requires additional steps to print (for example, if the printer arrived in 2 sections, and needed to be put together before printing), is this acceptable?

**Answer 3:** We have been scheduled to move to a new location in the summer of 2021. The printer will not be installed right away and we will be moving it to a new location within its delivery box. Once placed in the new building we will require installation on or before October 29 2021.

**Question 4:** Are you in need of a installation service for the printer (i.e.: one of our Application Engineers would come onsite, setup, and calibrate the printer for you)?

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**Answer 4:** Yes, please refer 2.4 Concept of support d):

On-site installation of Printer or Telephone assistance with installation.

**Question 5:**

For Annex A, section 5.1, can you provide us with additional information on the training you will need for SolidWorks and Additive Manufacturing? In particular;

- a. What type of SolidWorks license is your team using today? This will help our training coordinator build out a training program based on your current software solution.
- b. For the Additive Manufacturing training, does your team have any experience with a 3D printer today?
- c. Is the training meant to be a basic training for SolidWorks and Additive Manufacturing each year? Or should the training include basic training for SolidWorks and Additive Manufacturing, and build off the previous years training (i.e.: would the training be a basic training for SolidWorks and Additive Manufacturing, reflecting the yearly updates available for your solutions, or would you require a basic training, plus advanced concepts/ideas that build off the previous years training)?
- d. How long after delivery of the printer would you be interested in scheduling the training for Year 1?
- e. Any additional information you can provide regarding the expectations for the training, what you are hoping to achieve, expected participants (and their existing skill levels), etc., would be appreciated.

**Answer 5:**

- a. Premium license
- b. Our current team has experience in 3D modelling, slicing and operating entry level 3D printer. Every year we have a rotation of personnel in and out the unit and experience level will vary year to year.
- c. We would like to have a twofold approach to the training package. First, would be to have the ability to have a basic yearly course due to personnel rotation and the second, would be to have the ability to build off from previous years (advanced concepts/ideas).
- d. Best timeframe for yearly training is in mid October to November time frame. This timeframe is suitable for subsequent years.
- e. Our expectation is that after receiving the basic course, a technician with no experience in SolidWorks, will be able to design and slice as well as possess the necessary knowledge to operate the software to design and create shop tooling and parts which already exists within the workshop. Basically, able to work independently.

Technicians attending could range from junior to senior technicians with or without computer expertise. The company should bring their own computer for the audience and active license.

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Function to learn is:

- Using the Solidworks Interface;
- File management and assemblies;
- Creating sketch and parts;
- Learn Basic Drawing concepts;
- Use the toolbox browser;
- Creating and Modifying Renderings
- Learn the following functions:
  - Extrude;
    - Boss;
    - Base; and
    - Cut.
  - Fillet;
  - Chamfer;
  - Circular and linear patterns;
  - Revolve; and
  - Sweep.
- Learn Solidworks and Simulation Xpress; and
- Learn Slicing operation (3D model to 3D print).

**Question 6:** Our Additive Manufacturing partners, along with SolidWorks, have virtual training options, which we can incorporate into your training package. We can offer a variety of training solutions (such as fully onsite, partially onsite and partially online, fully virtual, etc.). With this in mind, I was wondering if the entire training package needs to occur onsite? For example, would 2 days of onsite training, paired with virtual components, work for you and your team? Or would the entire training need to occur onsite?

**Answer 6:** Online training is not acceptable for this requirement. All training must occur on-site. The contractor would be responsible to bring computer with a valid license and applicable course publications as internet might not be available. Solidworks does not need to be on the internet to work, it can be operated through the offline mode. Only activation of license require internet.

**3.**

**A.**

**Refer:** 4.1.1.1 Mandatory Technical Criteria MTC. 5

**Delete:** machine must be able to print as a minimum a layer height on a 0.002 inch in the XY axis and 0.005 inch in the Z axis in order to guarantee a professional surface

**Insert:** machine must be able to print as a minimum a layer height on a 0.002 inch in the Z axis and 0.005 inch in the XY axis in order to guarantee a professional surface

**B.**

**Refer:** Annex "A" Requirement, 3.2 Printer requirements d)

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**Delete:** Precision: machine must be able to print layer height on a 0.002 inch in the XY axis and 0.005 inch in the Z axis in order to guarantee a professional surface finish.

**Insert:** Precision: machine must be able to print layer height on a 0.002 inch in the Z axis and 0.005 inch in the XY axis in order to guarantee a professional surface finish.

**C.**

**Refer:** 1.2 Summary

**Delete:** and installation

**Insert:**

**D.**

**Refer:** 7.3 Security Requirements

**Delete:**

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 Facility Security Clearance at the level of SECRET, issued by the Contract Security Program (CSP), Public Works and Government Services (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive site(s) must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by the CSP, PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, 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 "C".
  - b) Industrial Security Manual (Latest Edition).

**Insert:**

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 Contract Security Program (CSP), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by the CSP, PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, PWGSC.

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4. The Contractor/Offeror must comply with the provisions of the:
- a) Security Requirements Check List and security guide (if applicable), attached at Annex "C";
  - b) Contract Security Manual (Latest Edition).
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**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**