



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Réception des soumissions - TPSGC / Bid Receiving -  
PWGSC

1550, Avenue d'Estimauville

1550, D'Estimauville Avenue

Quebec

Quebec

G1K 4K1

**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**

TPSGC/PWGSC

1550 Avenue d'Estimauville

Québec

Québec

G1J 0C7

<b>Title - Sujet</b> Achat d'une grue	
<b>Solicitation No. - N° de l'invitation</b> F3004-18N648/A	<b>Amendment No. - N° modif.</b> 006
<b>Client Reference No. - N° de référence du client</b> F3004-18N648	<b>Date</b> 2019-04-26
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$QCV-006-17632	
<b>File No. - N° de dossier</b> QCV-8-41234 (006)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-05-13</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Avancée de l'Est HAE
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Parent, Mélanie	<b>Buyer Id - Id de l'acheteur</b> qcv006
<b>Telephone No. - N° de téléphone</b> (418) 649-2813 ( )	<b>FAX No. - N° de FAX</b> (418) 648-2209
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**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 006

**Please amend the above mentioned bidding solicitation with the changes here below:**

### 1. Question 1:

A common way of testing the resistance against water and dust of an electronic box is to use the IP classification standard. This is a short time test. To test to IP67 the box is immersed in water for a short time. If no water has leaked in, the box fulfils IP67. No consideration is made to the long term effects of moisture, type of moisture (e.g. corrosive and high humidity), extreme temperatures and rapid changes in temperature, vibration and shock, UV radiation and ozone, chemicals.

As an example a plastic box containing open circuit boards can be totally sealed and fulfill IP67, but, due to long term moisture penetration, the humidity of the atmosphere inside the box will soon become the same as that outside the box. At high humidity levels the circuit boards can corrode and fail.

Our supplier has implemented a long term environmental protection strategy that has ensured a long and reliable lifetime of the electronic systems even under the harshest conditions. This strategy includes designing and testing for resistance against the long term effects of moisture, type of moisture (e.g. corrosive and high humidity), extreme temperatures and rapid changes in temperature, vibration and shock, UV radiation and ozone, chemicals. The results are very successful and proven in military and marine applications around the world.

Equipment designed to only meet IP67 cannot have the same protection. For example a well-sealed box can allow long term humidity in though plastic absorption, causing long term corrosion.

The long term multifaceted strategy, design features and tests are explained clearly in the attached supporting information. Even under long term moisture stress the internal sealed circuit boards fulfill IP68 which is more strict than IP67.

Question:

Will a crane with a demonstrated environmental protection strategy superior to a short term IP67 test be accepted in lieu of the requirement for IP67?

### Answer 1:

Yes, all quality equipment (with research and development evidence) above IP67 will be considered.

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**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**