



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
Halifax  
Nova Scotia  
B3J 1T3  
Bid Fax: (902) 496-5016

**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**  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
Halifax  
Nova Scot  
B3J 1T3

<b>Title - Sujet</b> Sea Container	
<b>Solicitation No. - N° de l'invitation</b> W7707-196307/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> W7707-19-6307	<b>Date</b> 2018-08-27
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-121-5754	
<b>File No. - N° de dossier</b> HAL-8-80003 (121)	<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 2018-08-30</b>	
<b>Time Zone</b> Fuseau horaire Atlantic Daylight Saving Time ADT	
<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> Russell (HAL), Alex	<b>Buyer Id - Id de l'acheteur</b> hal121
<b>Telephone No. - N° de téléphone</b> (902) 401-8180 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

**Amendment 005 is raised for the following:**

**Question 1:** We need at minimum BTU load that will be in the container to properly size the HVAC unit that will be installed.

**Answer 1:** The minimum BTU load will be 36,000 BTU.

**Question 2:** Is the 480V 100A exterior Russelstoll receptacle the main power supply for the service equipment inside? If so, the transformer will need to be 480V primary not 600V.

**Answer 2a:** The exterior Russelstoll receptacle does indeed provide the main power supply for the service equipment inside the container. However this exterior 480VAC Russelstoll receptacle must be 400 amp rated not 100 amp as originally stated. This container will be used on a ship which provides a 440VAC electrical service but which utilizes 480VAC connectors.

**Answer 2b:** As for the question "If so, the transformer will need to be 480V primary not 600V". Under 5.1.4.11 the following description will replace the original:

1 Transformer (50 kilovolt-Amp (kVA) or greater) to take 440VAC, 3 phase from the service panel to a 200 amp, 240VAC/120VAC breaker panel. The location will be determined by the placement of the Heating Ventilation and Air Conditioning (HVAC) unit. The placement of the transformer unit and mounting system must be such that the transformer can be easily removed from the container.

**Answer 2c:** As the primary voltage is not 600V, the service panel specification under 5.1.4.9 is modified.

Therefore under 5.1.4.9 the following description will replace the original:

1 Service panel capable of 400 amp, 3 phase and 480V must be installed.

**Answer 2d:** As the primary input voltage is not 600V, the phase breaker voltage specified under 5.1.4.10 is modified.

Therefore under 5.1.4.10 the following description will replace the original:

Quantity 2 of 100 amp, 440V, 3 phase breakers must be installed in the service panel. One 60 amp, 440V, 3 phase breaker to supply the transformer must be installed in the service panel.

**Question 3:** What type ceiling receptacles are required? Twistlock or straight blade? Amperage 15, or 20?

**Answer 3:** Straight blade with 20 amp rating.

**Question 4:** The fire alarm pull station are they supposed to shut equipment down? There isn't any bells or horns to signify the pull station has been pulled.

**Answer 4:** Please refer to Questions from Vendors with answers dated 26 July 2018. Reference 5.1.6.1 and Answer 3.A.1. "The exact specifications of the fire detection / alarm system will vary depending upon the various applications of the sea container. As such, pull stations are not required to be supplied and in their place, 1/8 inch thick, 6 inch by 6 inch

steel plates are to be installed in their place, allowing for the mounting of various pull stations by the Technical Authority”

Supplemental to this, as pull stations are not required then no additional equipment is required to be shut down. Therefore no warning system “including bells or horns” is required.

**Question 5:** What type of cable tray is needed and location to be installed in the bin?

**Answer 5:** Please refer to Questions from Vendors with answers dated 26 July 2018. Reference 5.1.4.7 and Answer 2.3. “The cable trays are only required for the cabling that the Bidder determines is required to correctly install all of the electrical components specified in the SOR. The Bidder will be required (to) size the cable trays allowing 50% additional space for any future in service modifications and expansions. The cable tray can be constructed of either aluminum or steel”.

Supplemental to this, the type of metal cable tray (basket tray or ventilated cable tray) to be installed will be determined by the bidder in accordance with applicable industry standards for cable support systems, and will take into account the cable loading based upon the cable weights and diameters contained in the bidders design.

The location of the cable tray will be determined by the bidder, and in accordance with good engineering and industry best practices. (i.e. placing the equipment as close to the tray supports as possible).

**Question 6:** **Section 5.1.4.8 and Section 5.1.4.9**  
Is the Russellstoll receptacle the feed for the 3 phase, 400amp, 600volt service panel?

**Answer 6:** **This question was addressed in the previous series of answers. I have copied them here but do not have whatever reference numbers may have been used.**

**Question 7:** Is the 480V 100A exterior Russelstoll receptacle the main power supply for the service equipment inside. If so, the transformer will need to be 480V primary not 600V.

**Answer 7a:** **The exterior Russelstoll receptacle does indeed provide the main power supply for the service equipment inside the container. However this exterior 480VAC Russelstoll receptacle must be 400 amp rated not 100 amp as originally stated. This container will be used on a ship which provides a 440VAC electrical service but which utilizes 480VAC connectors.**

**Answer 7b:** **As for the question “If so, the transformer will need to be 480V primary not 600V”. Under 5.1.4.11 the following description will replace the original:**

**1 Transformer (50 kilovolt-Amp (kVA) or greater) to take 440VAC, 3 phase from the service panel to a 200 amp, 240VAC/120VAC breaker panel. The location will be determined by the placement of the Heating Ventilation and Air Conditioning (HVAC) unit. The placement of the transformer unit and mounting system must be such that the transformer can be easily removed from the container.**

**Answer 7c:** As the primary voltage is not 600V, the service panel specification under 5.1.4.9 is modified.

Therefore under 5.1.4.9 the following description will replace the original:  
**1 Service panel capable of 400 amp, 3 phase and 480V must be installed.**

**Answer 7d:** As the primary input voltage is not 600V, the phase breaker voltage specified under 5.1.4.10 is modified. Therefore under 5.1.4.10 the following description will replace the original:  
**Quantity 2 of 100 amp, 440V, 3 phase breakers must be installed in the service panel. One 60 amp, 440V, 3 phase breaker to supply the transformer must be installed in the service panel.**

**Question 8:** **Section 5.1.4.2**  
What is the current rating for the 3 each 240 volt receptacles mounted on the ceiling?

**Answer 8:** 20 Amps

**Question 9:** **Section 5.1.4.13**  
Does the Low Smoke Zero Halogen wiring have an Armored protection requirement?

**Answer 9:** No

**Question 10:** **Section 5.1.7.1**  
Does the HVAC system require an exhaust fan? Some AC/Heating units do not come equipped with an exhaust fan built in and as such will require an auxiliary fan to be installed if required.

**Answer 11:** Yes an exhaust fan capability is required. If the selected AC/Heating unit does not have this capability, a separate exhaust fan will be required.

***All other terms and conditions remain the same.***