

**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.)  
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**  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9

<b>Title - Sujet</b> RADAR UNIT	
<b>Solicitation No. - N° de l'invitation</b> W7707-135606/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W7707-13-5606	<b>Date</b> 2012-10-10
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-505-8751	
<b>File No. - N° de dossier</b> HAL-2-69183 (505)	<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 2012-10-15</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> Tynes, Tama	<b>Buyer Id - Id de l'acheteur</b> hal505
<b>Telephone No. - N° de téléphone</b> (902) 496-5089 ( )	<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> <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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## **SOLICITATION AMENDMENT 002**

THIS DOCUMENT SERVES TO AMEND THE SOLICITATION AS FOLLOWS:

TO RESPOND TO THE FOLLOWING QUESTIONS RECEIVED FROM A POTENTIAL BIDDER:

### QUESTIONS AND ANSWERS - RADAR UNIT

Q#1 Is an official factory acceptance test required with customers representative attendance?

**A#1. Attendance at factory not required.**

Q#2. Are we required to supply all cables (power and signal) or just special to type cables?

**A#2: All cables to be supplied.**

Q#3. Shall we quote to install the equipment or will the install be carried out by DND staff?

**A#3: Installation will be arranged by the ISSC contractor.**

Q#4. Which services should be quoted for: Installation inspection, Set to work, Harbour acceptance test. Sea trial?

**A#4: No services required.**

Q#5 . 3.1 delivery states that this must be completed before 1st November 2012. As the bid is due in by 9 October 2012, we can only imagine that the contract can possibly be let by this date but not the delivery completed. Can you advise on this point.

**A#5: 3.1 This radar is required for Q348 leaving Nov 20, 2012. would need delivery no later than Oct. 26 to facilitate installation onboard CFAV Quest.**

Q#6. Can you provide us with the interface signals from the GPS, Gyro, log, AIS, wind or can we assume all signals are NMEA0183.

**A#6: All interface signals are NMEA0183.**

Q#7: The specification at Annex C asks for wind speed and wind direction in the radar. Should these items not be a requirement for the WAMOS II system from OCEANWAVES which is already on the vessel.

**A#7: The radar must be a fully operational navigation radar that can be interfaced to the WAMOS system as specified. The actual interfacing to be handled by DRDC. DRDC wants the ability to display Wind Speed and Direction on the radar display**

Q#8: We assume the radar display will be used to control the radar and the wave monitoring will be carried out on the WAMOS II system. Is this correct?

**A#8: The radar display will control the radar only.**

**Q#9:** Is an up or down mounted radar preferred?

A#9: Transceiver to be housed in Scanner, up mast.

## Reference Part 5 - Certifications

### Delete:

#### 1. Code of Conduct Certifications - Consent to a Criminal Record Verification

1.1 Bidders must submit with their bid, by the bid solicitation closing date:

- (a) a complete list of names of all individuals who are currently directors of the Bidder;
- (b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229), for each individual named in the list.

### Insert:

#### 1. Code of Conduct Certifications - Consent to a Criminal Record Verification

1.1 Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals

who are currently directors of the Bidder. If such a list has 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 provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before 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/formulaire-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

**Delete Annex "C" Minimum Mandatory Specifications in its entirety .**

**Insert the following:**

Solicitation No. - N° de l'invitation

W7707-135606/A

Amd. No. - N° de la modif.

002

Buyer ID - Id de l'acheteur

hal505

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

W7707-13-5606

File No. - N° du dossier

HAL-2-69183

CCC No./N° CCC - FMS No/ N° VME

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## ANNEX 'C' Revision #1

### Minimum Mandatory Specifications

Bidders are requested to provide cross-reference below to identify the page(s) where each mandatory specification can be demonstrated in their technical documentation provided with their bid. Canada reserves the right to verify any and all information relating to mandatory requirements.

Supply a marine X-band Radar to perform wave height measurements in support of scientific experiments onboard CFAV QUEST.

The following table describes the minimum mandatory requirement.

<b>Mandatory Criteria To or Exceed:</b>	<b>Cross Reference</b>
The required X-Band radar:	
Must have an 8 foot scanner unit to fit existing mounting location	
Must have a minimum output power of 12kw	
Must have an available cable run of no less than 150 feet to allow the display unit to be mounted below deck in the After Scientific Plot Room.	
Must have access to the following signals to interface with scientific equipment.	
<ul style="list-style-type: none"> <li>• Video</li> </ul>	
<ul style="list-style-type: none"> <li>•Trigger</li> </ul>	
<ul style="list-style-type: none"> <li>•Heading</li> </ul>	
<ul style="list-style-type: none"> <li>•Sync</li> </ul>	
Must have power supply of 120VAC, 60Hz	
<b>Must have as a minimum, a 19 inch color LCD display</b>	
Must have a desktop mountable LCD display	
Must have a Display that has a full keyboard control unit.	
Must enable range scales from 0.125 to 96 NM.	
Must have a minimum range of 22 nautical miles	
Must have range discrimination not lower than 26 nautical miles	
Must have a range ring accuracy of no less that 0.2%	
Must have the following presentation modes	

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•Heads up	
•North Up	
•Course Up	
•North Up True Motion	
Must have a "magnify function" to allow study of particular backscatter sea surface areas.	
Must be able to interface with the following signals:	
•GPS feed	
•Gyro feed	
•Speed log	
•AIS signal	
•Wind speed	
•Wind direction	

**Mandatory Delivery by 26 October 2012**      Yes \_\_\_\_\_/No \_\_\_\_\_

**Delivery Offered:** \_\_\_\_\_