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## 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 Canada -  
Pacific Region  
401 - 1230 Government Street  
Victoria, B. C.  
V8W 3X4

|   |   |
|---|---|
| <b>Title - Sujet</b><br>CCGS Vector Drydocking & Refit  |   |
| <b>Solicitation No. - N° de l'invitation</b><br>F1782-15C730/A  | <b>Amendment No. - N° modif.</b><br>001                                   |
| <b>Client Reference No. - N° de référence du client</b><br>F1782-15C730   | <b>Date</b><br>2015-10-02   |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-\$XLV-176-6808  |   |
| <b>File No. - N° de dossier</b><br>XLV-5-38092 (176)  | <b>CCC No./N° CCC - FMS No./N° VME</b>                                    |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b><br><b>on - le 2015-10-21</b>  | <b>Time Zone</b><br>Fuseau horaire<br>Pacific Daylight Saving<br>Time PDT |
| <b>F.O.B. - F.A.B.</b><br><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><br>Godin, Andre   | <b>Buyer Id - Id de l'acheteur</b><br>xlv176                              |
| <b>Telephone No. - N° de téléphone</b><br>(250) 363-3152 ( )  | <b>FAX No. - N° de FAX</b><br>(250) 363-3960                              |
| <b>Destination - of Goods, Services, and Construction:</b><br><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><br><b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>   |  |
| <b>Telephone No. - N° de téléphone</b><br><b>Facsimile No. - N° de télécopieur</b>   |  |
| <b>Name and title of person authorized to sign on behalf of Vendor/Firm</b><br><b>(type or print)</b><br><b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b><br><b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b> |  |
| <b>Signature</b>   | <b>Date</b>                                  |

Solicitation No. - N° de l'invitation

F1782-15C730/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

xl1v176

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

F1782-15C730

File No. - N° du dossier

XLV-5-38092

CCC No./N° CCC - FMS No/ N° VME

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**Solicitation amendment no: 1**

- 1) Questions from Bidders and Canada answers.
- 2) Changes to the Pricing Data Sheet

**1) INSERT**

Questions from Bidders and Canada answers.

| Item | Reference         | Spec sections | Specification (SOW) page number | Bidders questions   | Canada answers   | Reply Date  |
|------|-------------------|---------------|---------------------------------|---|--|-------------|
| 1    | Bidder conference | 1.4.14.1      | 20 of 173                       | How many TCMS inspection the bidder shall bid?  | Bidder to quote on 5 TCMS inspections.   | Oct 2, 2015 |
| 2    | Bidder conference | 10.1          | 40 of 173                       | The SOW requires annual inspection of the lift raft. Can you précisé the inspection requirement please?   | Inspection of the unit only. Additional work will be covered by form PWGSC 1379 Action   | Oct 2, 2015 |
| 3    | Bidder conference | 10.3.A.A2     | 43 of 173                       | This section requires: "The contractor must replace the removed tiles by approved marine grade material". Can you clarify as what material CCG prefer?            | Marine rated insulation with an expanded metal cover.  | Oct 2, 2015 |
| 4    | Bidder conference | 10.3          | 43 of 173                       | We would like top have our Asbestos Abatement sub-contractor come to the vessel sadly they were not available today. Can they come later on to visits the vessel? | The vessel will be available on October 6, 2015 at IOS. Bidder to contact the TA for the vessel visits. Mr Ina Hatt at 250-363-6396 or cell: 250-889-8640 for setting the visit appointment. An alternate date maybe available for October 2nd closer to Vancouver as the Vectors Science program takes them to Vancouver Harbour if granted permission. | Oct 2, 2015 |
| 5    | Bidder conference | 11.C.1        | 50 of 173                       | The Sow requires the following: "The Contractor must complete a tank condition report (soundings).  | CCG will assist the winning bidder in identifying the tanks  | Oct 2, 2015 |

|    |                   |                 |            |  | The report must be signed by the TI/TA and the Contractor's Dock Master" Will CCG assist the supplier in identifying the tanks?<br>Are there any standards which the UT FSR must follow?  |  |             |
|----|-------------------|-----------------|------------|--|---|--|-------------|
| 6  | Bidder conference | 11.2.A.A1       | 53 of 173  |  | The SOW requires the UT sub-contractor to be a recognised by Lloyd's. The sub-contractor is to re-use the "Elendar" report made in 2012 for the UT location and method.   |  | Oct 2, 2015 |
| 7  | Bidder conference | 11.7.C.C.7      | 73 of 173  |  | This is a warning to the bidder and suppliers that the space contains Asbestos in various locations. When the supplier work in this areas they have to consult the Asbestos survey book for guidance On location where is located the asbestos.                                     |  | Oct 2, 2015 |
| 8  | Bidder conference | 11.9.C.C.9/C.10 | 83 of 173  |  | Canada doesn't known what TCMS inspector will requires for the tank test method and medium. Bidder to quote on both test method. Either C 9 or C.10 may be used. If one of these is not used, Canada will request the supplier to credit the unused method to the full bided price. |  | Oct 2, 2015 |
| 9  | Bidder conference | 11.14.C.C.3     | 95 of 173  |  | SOW prevails. PDS will be corrected and a revised PDS (Rev 1) will be provided to the bidders.  |  | Oct 2, 2015 |
| 10 | Bidder conference | 12.2            | 99 of 173  |  | Quota removal and re-installation of the bearing with an ORKOT bearing.   |  | Oct 2, 2015 |
| 11 | Bidder conference | 12.3            | 102 of 173 |  | The CG does not have a pump or fittings. Two photos of CPP tools  |  | Oct 2, 2015 |

|    |                   |      |            |  |   |             |
|----|-------------------|------|------------|--|---|-------------|
| 12 | Bidder conference | 12.4 | 105 of 173 | Is Roll Royce's aware of this work coming up?  | have been sent to PWGSC.<br>Yes they are aware please contact Chris Tongko as per SOW   | Oct 2, 2015 |
| 13 | Bidder conference | 12.6 | 113 of 173 | What is the material for the piping renewal of the stern tube separating cooling ?   | Bidders where afforded the opportunity to view the pipe after this question was asked. It appears the short section of pipe is a combination of brass and galvanized fittings. Please renew with brass.   | Oct 2, 2015 |
| 14 | Bidder conference | 12.7 | 115 of 173 | What is the purpose of the retrofit and do you want the tanks per spec (4 coats of paint)?   | The intent is to divide the tank in two. Previous operational issue happened as when the tank as problem all system is shut down. Divining the tanks will prevent entire shut down of multiples hydraulic system. The crown requires the tank coated as per spec. | Oct 2, 2015 |
| 15 | Bidder conference | 13.2 | 125 of 173 | When the switch board will be available to the supplier? Can we start to remove the switchboard prior receiving the new one, as we need to action this item early in the schedule? If we don't received the switchboard early in the schedule it will create an important impact to the schedule.! | The contractor may begin work on the removal of the switchboard after Nov. 13 <sup>th</sup> 2015. The new switchboard will be in hand before January 4 <sup>th</sup> 2016.  | Oct 2, 2015 |
| 16 | Bidder conference | 13.2 | 125 of 173 | What is the size of the switchboard, does the drawing reflect these dimensions?  | Yes the provide drawings reflect the overall switchboard dimensions.  | Oct 2, 2015 |
| 17 | Bidder conference | 13.2 | 125 of 173 | Does the new Switchboards sitting at the same height as the old one?   | Yes   | Oct 2, 2015 |
| 18 | Bidder conference | 13.2 | 125 of 173 | When can obtain the switchboard full set of drawings?  | The switchboard drawing will be approved on October 6; they will be available to the bidder on or before October 8 <sup>th</sup> .  | Oct 2, 2015 |
| 19 | Bidder            | 14.1 | 14.1.A.A.1 | Can we obtain the pump drawing   | Drawing provided via –email to the  | Oct 2, 2015 |

|    | conference        |       |             | and manual?  | bidders present at the bidder conference. Can be provided upon request by contacting the contracting authority.   |             |
|----|-------------------|-------|-------------|--|---|-------------|
| 20 | Bidder conference | 14.2  | 14.2.A.A.1  | Can we obtain the pump drawing and manual?   | Drawing provided via –email to the bidders present at the bidder conference. Can be provided upon request by contacting the contracting authority.  | Oct 2, 2015 |
| 21 | Bidder conference | 14.3  | 14.3.A.A.1  | Why CCG want us to use the stated supplier in the SOW. Can we have the drawing and manual for this pump?   | These pumps are very particular. We were successful in dealing with this SOW stated supplier and the repair last. If the suppliers want to have someone else, they have to meet the equivalency of the article 14.3.A.A.1 | Oct 2, 2015 |
| 22 | Bidder conference | 14.10 | 14.10.C.C1  | Where is this pipe? What about the NDT, where are the location we need to take NDT's?  | Drain line from toilet to tank play the overboard. NDT external pipe only and guide by CCG personal for the NDT location as we requested only quoted time for the NDT inspector.  | Oct 2, 2015 |
| 23 | Bidder conference | 14.12 | 14.12.C.C.1 | What about the NDT, where are the location we need to take NDT's?  | NDT external pipe only and guide by CCG personal for the NDT location as we requested only quoted time for the NDT inspector.   | Oct 2, 2015 |
| 24 | Bidder conference | 15.1  | 15.1.A.A.1  | The SOW requires the following:<br>“The contractor must sub contract a refrigeration contractor to perform a complete overhaul of the Fosters Fridge. “ What do you mean by complete overhaul? | Both subcontractors contacted regarding a retro fit. This includes as per SOW new condenser, evaporator, retro gas, new handle and seal.  | Oct 2, 2015 |
| 25 | Bidder conference | 16.1  | 16.1.A.A.1  | Can we obtain the drawing and manual for the windlass?   | Yes, CCG has provided the necessary documents through   | Oct 2, 2015 |

|    |                   |                |                |   |  |             |
|----|-------------------|----------------|----------------|---|--|-------------|
| 26 | Bidder conference | 19.1           | 19.1.A.A.1     | What is the PMC inspection? Does they known what need to be inspected so all bidder received the same quote?  | PWGSC  | Oct 2, 2015 |
| 27 | Bidder conference | 19.2           | Entire         | Is this work is stripped out and re-install? IS all information clear about the GSM and CFM? Do you want all new cabling?   | PMC has been briefed by the crown. Bidders are to contact Michael Combs as per SOW for pricing.<br>It is to be a strip out and re-install as per SOW. Crown believes GSM and CFM is clear. New cabling installed as per SOW. | Oct 2, 2015 |
| 28 | Bidder conference | 19.2/ PDS      | -----          | We do find that the PDS is too demanding; each single item is requested to be priced! Why so many line items?   | PWGSC: We used this pricing for guidance if we need to negotiate a work arising at a later date. The PDS will be review to reduce the number of pricing line. It will be included in the PDS Rev 1                           | Oct 2, 2015 |
| 29 | Bidder conference | 19.2/ 3GA Spec | 3GA/078        | Does CCG want for then furniture ( Arborite, general material etc) all retardant / low flame spread material approved by TCMS? A note these item are sometimes long lead delivery!  | Materials described in Annex A are fire rated and are approved for shipboard usage.  | Oct 2, 2015 |
| 30 | Bidder conference | 19.2/ 3GA Spec | 3GA/073        | Is the wheelhouse as an actual 75 dBA noise level? How we can ensure this is to 75dba? The provide spec and drawing does not address this issue? (Sound proof insulation!)  | The crown will drop the 75 dBA noise level requirement. Marine rated insulation to be installed in same areas and equal thickness of pink insulation removed.  | Oct 2, 2015 |
| 31 | Bidder conference | 19.2/ 3GA Spec | 3GA/635/635 .1 | The Bridge or Wheelhouse is a Control station. As per eh TCMS regulation the insulation and bulkhead shall be rated A-60? We do believe that actually the bridge is not rated to this rating. Do we need to upgrade the bridge fire rating insulation to meet A-60? If not will CCG discuss this issue with TCMS as we need to know what insulation we need to install? Can ccg Clarify what type | Any new materials used, wire transit installed to meet all modern applicable acts and regulations. Coast Guard considers this a modernization and not a conversion.  | Oct 2, 2015 |

|    |                      |         |              | on insulation we need to install<br>fire rated or not?<br>Does CCG have all GSM material<br>in hand?                        |   |             |  |
|----|----------------------|---------|--------------|---|---|-------------|--|
| 32 | Bidder<br>conference | General | Solicitation | We request a bid extension as we<br>do need to review the large<br>amount of document provided?                             | We do have all GSM in hand<br>except the switchboard.   | Oct 2, 2015 |  |
| 33 | Viewing              | General | Solicitation |   | Bid extension will be granted. Bid<br>closing date will be extended until<br>October 21, 2015. Please note, this<br>is the only extension offered to the<br>bidders and no other closing date<br>extension will be granted to the<br>bidders. A Solicitation amendment<br>will be issued to change the closing<br>date. | Oct 2, 2015 |  |
| 34 | Viewing              | General | General      | Will there be a crew on board and<br>as well sleeping on board?   | Vessel will be in the contractor<br>custody. Three crew members will<br>be on board the vessels during the<br>day to assist and guide as<br>necessary the contractor. They will<br>not sleep on board.  | Oct 2, 2015 |  |
| 35 | Viewing              | General | General      | There is lots of equipment on<br>decks. Will they be removed prior<br>ship arrival to the supplier facility?<br>(boat deck) | Jerry cans box and locker<br>(immersion suit locker) above the<br>access hatch will be removed from<br>the vessel. RIB or Zodiac will stay<br>as it is required for the vessel<br>transit. The contractor as either the<br>choice to remove t upon arrival and<br>store it or protect it during the refit.              | Oct 2, 2015 |  |
| 36 | Viewing              | General | General      | There is lots of equipment on<br>decks. Will they be removed prior<br>ship arrival to the supplier facility?<br>(main deck) | A-Frame sub-foundation, Scientific<br>winch will be removed from the<br>vessel. Ancillaries equipment such<br>outboard engine, etc will be either<br>stored in locked locker or removed<br>from the vessel's. The fridge will be<br>removed away from the soft patch<br>in the lab by Coast Guard.                      | Oct 2, 2015 |  |
| 37 | Viewing              | General | General      | There is lots of equipment on<br>decks. Will they be removed prior<br>ship arrival to the supplier facility?                | Tools and valuable equipment will<br>be removed from their location and<br>secured onboard the vessel.  | Oct 2, 2015 |  |



|    |         |         | (engine) |  |   |             |  |
|----|---------|---------|----------|--|---|-------------|--|
| 38 | Viewing | General | General  | The vessel as onboard lots of perishable foods , etc, Will this be removed prior the vessel arrival?   | Yes it will be removed prior the vessel arrival.  | Oct 2, 2015 |  |
| 39 | Viewing | General | General  | Bow thruster bottom concrete? How do we remove the concrete between the two thruster tube? No access?  | The intent of the solicitation is to solicit experienced shipyard. Up the bidder's and winning bidder to find a technical approach in removing this concrete (if required by the SOW)   | Oct 2, 2015 |  |
| 40 | Viewing | General | General  | When shall we do the UTS?  | We suggest at the beginning of the work period. However, Up to the winning bidder to organize these UTS in their schedule to meet the SOW as well the delivery schedule.  | Oct 2, 2015 |  |
| 41 | Viewing | General | General  | In how nay sections the switchboard is arriving?   | 6 sections  | Oct 2, 2015 |  |
| 42 | Viewing | General | General  | Upon the existing switchboard removal. Do CCG want the winning bidder to dispose of it entirely?   | Yes   | Oct 2, 2015 |  |
| 43 | Viewing | General | General  | Engine room asbestos abatement. The bottom section (bottom two tier of the transite panels) represent lots of work. What about the remaining of the asbestos?          | We request to have a price for the bottom section as well the upper section but as option priced. As the set-up will be done for the bottom section, the option price shall be done as if the upper section will be done concurrently to the lower section. | Oct 2, 2015 |  |
| 44 | Viewing | General | General  | Switchboard: Pyrocable! Are difficult and very brittle to handle. Does the new switchboard consider these difficulties and what do we do if a cable cannot be re-used? | The switchboard has cable entries similar in size and shape as the existing one. This was design accordingly to suit existing cable entry. If a cable cannot be re-used for it intent, it will be replaced using a Form PWGSC 136709 Actions                | Oct 2, 2015 |  |
| 45 | Viewing | General | General  | Des the contractor need to remove the interference items to perform the work?  | CCG will remove some item as listed above. However, through some spec section, interference   | Oct 2, 2015 |  |

|    |                |           |                       |  |  |             |
|----|----------------|-----------|-----------------------|--|--|-------------|
|    |                |           |                       |  | item are to be removed. Generally, the winning bidder will be responsible to removal all items and re-installing them to perform the work as per the SOW.  |             |
| 46 | Viewing        | General   | General               | Can the Canadian Coast Guard provide the vessel expected draft at arrival +/- 2 inches (Forward and Aft please?)   |  |             |
| 47 | Viewing        | General   | General               | Removal of Stbd Hydraulic Station (Spec section 14.8) Lots of interference tin removing these simple lines? Do you still want them to be removed?<br>There are lots of 5 gallon oil pails under the steering gear deck. Will CCG remove these item prior ship arrivals?  | Crown will remove 14.8 from SOW. PDS Rev 1 will address this deletion  | Oct 2, 2015 |
| 48 | Viewing        | General   | General               | There are lots of 5 gallon oil pails under the steering gear deck. Will CCG remove these item prior ship arrivals?   | Yes all loose gear in steering gear compartment including oil under deck plates will be removed by Coast Guard.  | Oct 2, 2015 |
| 49 | Viewing        | General   | General               | There is lots of existing cabling in the wheel house/ bridge that are not marine approved. Do they need to be marine approved? Replace by new marine approved one's?   | Any new materials used, wire transit installed to meet all modern applicable acts and regulations. Coast Guard considers this a modernization and not a conversion. Any substandard wire found can be brought to the attention of the TA during the work period. | Oct 2, 2015 |
| 50 | Bidding period | 3/GA spec | 601.1/<br>635.1/635.2 | I am Referencing the 3GA Wheelhouse Upgrade Specification - Document # 13-68F-661-01.<br>While reviewing para 601.1 ( pg 18 of spec) it discusses the removal of linings however does not specifically state to remove the " insulation".<br>In para 635.1 the spec states we are to maintain all fire insulation to TCM standard and in 635.2 the | The crown would like to have all pink insulation stripped out for removal and for it to be replaced by similar marine approved insulation with equivalent noise abatement characteristics. ( Insulation rating minimum R8)                                       | Oct 2, 2015 |

|    |                |         |         |   |   |             |
|----|----------------|---------|---------|---|---|-------------|
|    |                |         |         | spec states that contractor must ensure thermal insulation is provided on the interior surfaces. Can CCG please clarify that the intent is to completely strip the existing wheelhouse of all insulation and upon completion of the rework supply and install new insulation?   |   |             |
| 51 | Bidding period | General | General | <p>"Please have a look at the attached switchboard drawing. The way I see it the 4 panels marked (available for cable entry) are on what will be the aft end of the switchboard. The existing cabling enters the switchboard on the forward end of the switchboard. My question is, are they building the switchboard backwards?"</p> | <p>The final drawings have been modified to show all 6 panels have cable entry panels. The 2 forward panel backs will be built the same as the aft 4.</p>   | Oct 2, 2015 |
| 52 | Bidding period | General | General | <p>"We cannot find a Docking Plan or a Tank Plan on the CD? Are we missing something?"</p>  | <p>Drawing provided via –email to the bidders present at the bidder conference. Can be provided upon request by contacting the contracting authority.</p> <ul style="list-style-type: none"> <li>• CCG Vector Coating InterSpec 09 01 2015 rev3</li> <li>• E-70-000-000-EU0JA-001</li> <li>• Installation of electronics CCG</li> <li>• V07-17-01 Anchor Windlass</li> <li>• Brake Geometry Sheet 1 of 1 Rev 0</li> <li>• V07-293-H-18 Chain Locker &amp; Divisional Bulkhead &amp; Chain Locker Portable False Bottom sh 4 of 4 Rev 0</li> <li>• V07-293-H-22 Insulation Plan Arrangement &amp; Details Rev 0</li> </ul> | Oct 2, 2015 |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  | <ul style="list-style-type: none"><li>• V07-293-H-124 Docking Plan Rev 6</li><li>• V07-293-H-139 Capacity Plan Rev 0</li><li>• V07-1984-NR Vector Network Layout</li></ul> |  |
|--|--|--|--|--|--|

2) **Delete**  
**APPENDIX 1 TO ANNEX H - PRICING DATA SHEET**

The Pricing Data Sheet [PDS] is provided in a separate electronic document entitled:

“F1782-15C730 Vector Pricing Data Sheet.xls”

To obtain the PDS the Bidder must make a request in writing to the Contracting Authority identified in Article 7-5.1.

2) **Insert**  
**APPENDIX 1 TO ANNEX H - PRICING DATA SHEET**

The Pricing Data Sheet [PDS] is provided in a separate electronic document entitled:

“F1782-15C730 Vector Pricing Data Sheet Rev 1.xls”

To obtain the PDS the Bidder must make a request in writing to the Contracting Authority identified in Article 7-5.1.

|   |   |                                       |
|---|---|---------------------------------------|
| Solicitation No. - N° de l'invitation<br>F1782-15C730/A | Amd. No. - N° de la modif.<br>001       | Buyer ID - Id de l'acheteur<br>XLV176 |
| Client Ref. No. - N° de réf. du client<br>F1782-15C731  | File No. - N° du dossier<br>XLV-5-38092 | CCC No./N° CCC - FMS No./N° VME       |

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