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401 - 1230 Government Street  
Victoria, B.C.  
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Bid Fax: (250) 363-3344

**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> CCGS Vector Drydocking & Refit	
<b>Solicitation No. - N° de l'invitation</b> F1782-15C730/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> F1782-15C730	<b>Date</b> 2015-10-14
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XLV-176-6808	
<b>File No. - N° de dossier</b> XLV-5-38092 (176)	<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 2015-10-21</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT
<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> Godin, Andre	<b>Buyer Id - Id de l'acheteur</b> xlv176
<b>Telephone No. - N° de téléphone</b> (250) 363-3152 ( )	<b>FAX No. - N° de FAX</b> (250) 363-3960
<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>

Solicitation No. - N° de l'invitation

F1782-15C730/A

Amd. No. - N° de la modif.

003

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: 3**

- 1) Questions from Bidders and Canada answers updated. Q 63 to Q 65 added.

**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 to have our Asbestos Abatement subcontractor come to the vessel today. They were not available. Can they come later on to visit 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). The report must be signed by the	CCG will assist the winning bidder in identifying the tanks	Oct 2, 2015

				TI/TA and the Contractor's Dock Master" Will CCG assist the supplier in identifying the tanks? 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 know 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 have been sent to PWGSC.	Oct 2, 2015

12	Bidder conference	12.4	105 of 173	Is Roll Royce's aware of this work coming up?	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 conference	14.1	14.1.A.A.1	Can we obtain the pump drawing and manual?	Drawing provided via –email to the bidders present at the bidder	Oct 2, 2015

					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: "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 PWGSC	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?	PMC has been briefed by the crown. Bidders are to contact Michael Combs as per SOW for pricing.	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?	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 cog Clarify what type on insulation we need to install	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

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



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 item are to be removed. Generally,	Oct 2, 2015

					the winning bidder will be responsible to remove 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?	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/ 635.1/635.2	I am Referencing the 3GA Wheelhouse Upgrade Specification - Document # 13-68F-661-01. While reviewing para 601.1 ( pg 18 of spec) it discusses the removal of linings however does not specifically state to remove the "insulation". In para 635.1 the spec states we are to maintain all fire insulation to TCM standard and in 635.2 the spec states that contractor must	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

				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>	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.	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 Installation of electronics CCG</li> <li>• V07-17-01 Anchor Windlass 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> <li>• V07-293-H-124 Docking Plan</li> </ul>	Oct 2, 2015	

						Rev 6 • V07-293-H-139 Capacity Plan Rev 0 • V07-1984-NR Vector Network Layout	
53	Bidding period	General	General	Asbestos abatement: In Spec 10.3 – Asbestos abatement of the engine room and stack, there is reference to the Pinchin West report. Are we to use this as a guideline for the remediation and if the Qty becomes larger , the scope changes will be dealt with by 1379?	The crown advises bidders to use the Pin Chin report as a guideline to the area for asbestos remediation. Additional ACM must be brought to the attention of the crown once in refit and dealt with thru PWGSC 1379 Action.	Oct 6, 2015	
54	Bidding period	General	General	Asbestos abatement: Appendix VI in the Pinchin West report has various areas with the wording “ metal,transite panels” .Please confirm that the metal panels currently fitted are not to be removed ad that only the fiber material panels are considered to be asbestos and require removal?	The crown requires only removal of the ACM transite panels only. The existing metal panels may remain in place.	Oct 6, 2015	
55	Bidding period	General	General	Asbestos abatement: Spec 10.3 - para C.1.14 of the Pricing Data Sheet states we are to supply a cost for the removal of the transite	The insulation underneath is to stay in place and new expanded metal placed on top as mechanical insulation. The crown requires marine perforated panels similar to	Oct 6, 2015	

				panels, installation of new panels: however the statement of work does not request us to install new panels, can the crown please clarify ? If we need to install new panels can the crown identify what type, size and colour is required?	the existing fitted metal panels. The crown requires them to be white and approximately 18"x18"	
56	Bidding period	General	General	<p>Asbestos abatement:</p> <p>In spec 10.3, para C1.14 states that we are to remove the transite panels using intact method under moderate risk protocol.</p> <p>Should random panels become broken during removal or others be deemed impossible to be removed without breaking while using moderate risk , Can the abatement contractor utilize other industry methods and protocols as long as they conform to WCB standards rather than moving to the high risk protocols to complete their work? Please clarify ?</p>	<p>The crown advises the contractor to follow best industry practices and stay strictly with in WCB regulations during the remediation process. The crown's preference would be to see the remediation stay within moderate risk level parameters.</p>	Oct 6, 2015
57	Bidding	General	General	Wheelhouse upgrade :	300mmx300mm would be the	Oct 6, 2015

	period			If so they available in the same colour as requested and can be supplied in either 7300mm x 300mm or 600mm x 600mm- what size would be preferred?	preferred size.	
58	Bidding period	General	General	With reference to Spec 10.3 Engine Room and Stack Asbestos Abatement  A.3 The Contractor must provide a separate fixed.....I do not see where this can be put into the PDS?	PDS Rev 2 will address these changes	Oct 6, 2015
59	Bidding period	General	General	We're having some difficulty opening the 'E-70-000-000-EU0JA-001 Installation of electronics CCG' file after unzipping the attachment. Can you please check if the file works on your end and try resending it.	The Crown will send another PDF version to the bidders.	Oct 6, 2015
60	Bidding period	General	General	We are asking if the Crown would accept ceiling panels made by "OY Lautex" ( www. lautex.com) instead of the requested Dampa marine Cassette's .These panels are marine certified and have been installed on many BC Ferries.	The Crown will accept ceiling panels by OY Lautex and must be ordered to have similar characteristic to the Dampa panels.	Oct 6, 2015

				At this point we have been advised that the 400mm x400mm Dampa ceiling panels requested in the drawings are a custom order, which need to be fabricated and will most likely be a longer lead time.		
61	Bidding period	General	General	The SOW section 11.8.c.C1.1.9 required to have the F/O Tanks Air test and hydro tested using a 1379 action. The SOW section 11.8D.D.1.8 for the waste oil and lube oil tank required requires only air test. Shall they be the same as the fuel tanks i.e. hydro tested using form 1379 action?	The crown requires the bidders to quote the cost of a hydrostatic test for the F/O tanks as well as the Waste oil and Lube Oil tanks.  PDS Rev 2 will address these changes	Oct 6, 2015
62	Bidding period	General	General	11.10 Painting of Vessel Decks, it was discussed at the viewing and raise concern that the deck was freshly painted and CCG will review the need to do the deck or not?	The crown wishes to advise bidders that it will remove the requirement for painting of the wheelhouse top 11.10.C C.3 only.  PDS Rev 2 will address these changes	Oct 6, 2015
63	Bidding period	General	General	Is the carpet to be direct glue down over the deck/underlayment? Or is carpet pad required?	The crown requires a marine rated underlay that meets TP11469E Guide to Structural Fire Protection.	October 13, 2015
64	Bidding period	General	General	Would the owner accept a substitute for the specified "Ayres aluminum edging" for the	The crown will accept an alternate aluminum edging that is similar in appearance and is comparable in	October 13, 2015

				cabinets and millwork? Any proposed substitute would of course be similar in appearance and comparable in performance.	performance.	
65	Bidding period	General	General	Are the fixtures shown on drawing 601-03 finishing schedule GSM?	Light: Down light : LED Quick Marine KAI-XP-LP-6W, FASP2492X16CA00-AISI 216 S/Steel, Satin - Day Light-Red are Government Supplier Material. Light: Reading light: Quick Marine CALIFFA FASP25756XC06A00, AISI 216 S/Steel, Polished- Day Light-Red - Government Supplier Material. Light: Fluorescent: To be re-used.	October 14, 2015