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Bid Fax: (819) 997-9776

**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

Ship Refits and Conversions / Radoubss et
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11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau, Québec K1A 0S5

Title - Sujet CCGS Leonard J. Cowley -VLE DRYDOCK VLE Drydock	
Solicitation No. - N° de l'invitation F7049-210183/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client SAP 20210971	Date 2023-02-23
GETS Reference No. - N° de référence de SEAG PW-\$\$MD-045-28883	
File No. - N° de dossier 045md.F7049-210183	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2023-03-28 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Hora, Bharat	Buyer Id - Id de l'acheteur 045md
Telephone No. - N° de téléphone (343) 551-4942 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation Amendment # 3 is issued to:

- 1) Respond to Vendor Questions
- 2) Modify Annex A Rev 1, Multiple Sections

1) Respond to Vendor Questions

AA) Questions related to Annex A of Solicitation Document

Question: With reference to the subject ITT F7049-210183 Annex A Specification Item HD-16, we would like to receive some clarification regarding section 3.13.3 Alarm & Monitoring System
Could you please confirm that we interpret correct the following? That:

- The new propulsion controls system can be connected to the existing Alarm & Monitoring System. With the exact same interface as the existing "Lips" interface. In that case the existing Alarm & monitoring system doesn't need any modification.

It is the suppliers responsibility to ensure that the new system can interface with the existing AMS. If modifications or interfacing is required this is the responsibility of the supplier and should be reflected in the bid price

- For detailed information regarding PCS system this may be shown on the Information display on the cabinet door, Bridge control panel and Engine control station.

For Example:

- o Operating history
- o Alarm history
- o Actual alarms
- o Actual pitch and load values

If the information display of the PCS must be an Alarm & Monitoring System, the class requirements are enormous overkill and cost increasing.

We can remove the requirement to have the PCS be an AMS. Currently the PCS only controls the system and the AMS does all history and alarms

Is it correct that 3.13.3.1 may be an information system?

The intent here is to prevent an inexperienced user to damage equipment while using in manual mode. It is only information

In that case this is also avoiding any confusion (as mentioned in 3.13.3.4)

As long as there are safety's in place and displayed on the PCS, I don't see a requirement to have it displayed on the AMS

- Requirement 3.13.3.5.1 may be shown on the PCS information display's
Yes we don't need 2 systems sending alarms while trying to trouble shoot
- Requirement 3.13.3.5.2: As this is a major fault, this will be send to the Ship's Alarm & Monitoring System (which will be responsible for the audible and visual alarm (same as in existing situation)). Also the details

will be shown on the PCS information Display's. Always the acknowledge of alarms are done on the Ship's Alarm & Monitoring System. Information display's will only be for supporting/detailed information.

The wheelhouse alarms must be separate from AMS and acknowledged from the wheelhouse

- 3.13.3.6: As the PCS information displays are not an Alarm and Monitoring System, this may be done on the Ship's Alarm and Monitoring System. Please confirm.

Agreed

- 3.13.3.7: Please confirm that this is applicable to the Ship's Alarm and Monitoring system

We are not requiring the PCS to be an alarm system and will use the existing ships AMS, this is not applicable

- 3.13.3.8: Please confirm this is not applicable for the PCS information displays. (our standard HMI is 10")
10" is good

-

- 3.13.3.9: Please confirm that this is not applicable for the PCS information displays.

We are not requiring the PCS to be an alarm system and will use the existing ships AMS, this is not applicable

- 3.13.3.10: As PCS information displays are part of the PCS system and will be powered via the PCS power supply. Please confirm

Agreed

- 3.13.3.11: We assume that this is only applicable for the Ships Alarm and Monitoring system, please confirm.

Correct

Answer: The answers are provided above (along with the question) in red

Question: We need the drawings that are referenced in Appendix A for the below work scopes as well:

- **HD-16**
- **HD-29**
- **H-11**
- **H-13**

Answer: The available drawings have been uploaded on the Technical Data Base under the respective sections mentioned above.

Question: In regards to L-20 it states in 3.1.19 that the contractor must supply and install all cables listed in the cable lists below – But I don't see a way of determining the lengths of these cables. Can we please have the lengths to bid on.

- 3.1.22 Cable List – Bridge Rack
- 3.1.23 Cable List – LAN Room

Also 3.1.14 contractor must purchase and install equipment racks as specified by CCG. I don't see anything in the spec that specifies the racks. We need to know what to quote on here as well.

Answer: The related drawings for the cabinets have been uploaded on the Technical Database online under specification item L-20. The cable list with the cable lengths is uploaded on the Technical data Base and is also available below as a Modification to Annex A Revision 1.

Question: Can you verify what voltage, kW Rating & phase is needed for H-67 Fresh Water System Modifications.

Answer: The power supply for the tankless water heater would have to be 460V and 3 phase. It is The Contractors responsibility to determine the correct size/model to accommodate 40 persons continuously.

2) Modify Annex A (Rev 1) Multiple Section L-20 (changes highlighted in yellow)

AA) At L-20 LAN Room Rack Relocation Bridge Rack Modification

Delete (in its entirety)

3.1.22 Cable List – Bridge Rack and 3.1.23 Cable List LAN Room

Add/Insert:

3.1.22 Cable List – Bridge Rack

Cable Label	Cable Type	From	To	Length (m)
TVRO1	14/3 SB	Seatel J/B (Main Mast)	Bridge Rack	20
TVRO2	Belden 7731 SB	Seatel Antenna (Main Mast)	Bridge Rack	20
TVRO5	Belden 9322	NMEA Distribution, Chart Table	Bridge Rack	10
TVRO13	Belden 1694SB	LAN Room, Upper Deck, Aft	Bridge Rack	100
TVRO13	Belden 1694SB	LAN Room, Upper Deck, Aft	Bridge Rack	100
TVRO31	LMR400	Captains Cabin, Bridge Deck	Bridge Rack	40
TVRO32	LMR400	Ch Engineers Cabin Bridge Deck	Bridge Rack	40
TVRO33	LMR400	Officers Lounge, Main Deck	Bridge Rack	100

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Amd. No 3. - N°3 de la modif.2
File No. - N° du dossier
045mdF7049-210183

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TVRO34	LMR400	Crews Lounge, Main Deck	Bridge Rack	60
TVRO35	LMR400	Ch Officers Cabin, Bridge Deck	Bridge Rack	40
TVRO36	LMR400	Sr Eng Cabin, Foc'sle Deck	Bridge Rack	60
TVRO37	LMR400	Ch Program Officer, Main Deck	Bridge Rack	80
TVRO38	LMR400	Sr Program Officer, Bridge Deck	Bridge Rack	40

3.1.23 Cable List LAN Room

Cable Label	Cable Type	From	To	Length (m)
TVRO3	Belden 7731SB	Seatel Antenna, Main Mast	LAN Room	100
TVRO4	Belden 7731SB	Seatel Antenna, Main Mast	LAN Room	100
W104	TBD	Bridge Rack (iDirect Modem), Nav Bridge	LAN Room (FG)	80
W103	TBD	Bridge Rack (iDirect Modem), NAV Bridge	LAN Room (FG)	80
CE-16	CAT6	Master Clock – Crews Mess, Main Deck	LAN Room	40
CE-17	CAT6	Master Clock – Crews Lounge, Main Deck	LAN Room	40
CE-18	CAT6	Master Clock – Main Deck, Aft	LAN Room	40
CE-19	CAT6	Master Clock – MCR	LAN Room	60
CE-20	CAT6	Master Clock – Galley, Main Deck	LAN Room	40
CE-21	CAT6	Master Clock – Rec Room, Main Deck	LAN Room	40
CE-22	CAT6	Master Clock – Main Deck Hall	LAN Room	40
CE-23	CAT6	Master Clock – Upper Deck Hall	LAN Room	60
CCTV-9	CAT6	CCTV – Port Gangway	LAN Room	20
CCTV-10	CAT6	CCTV – Stbd Gangway	LAN Room	20
CCTV-11	CAT6	CCTV – Aft Deck	LAN Room	20
Backbone 1	Fiber	Ships Office, Foc'sle Deck	LAN Room	60

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Backbone 2	Fiber	Bridge Rack, Aft, Nav Bridge	LAN Room	80
FAP-03	CAT6	Upper Deck Hallway Outside Bosun Cabin	LAN Room	40
FAP-04	CAT6	Officers Mess, Upper Deck	LAN Room	20
FAP-05	CAT6	Crews Mess, Main Deck	LAN Room	20
FAP-06	CAT6	Fwd Lounge, Main Deck	LAN Room	2060

End of Solicitation Amendment #3