

SOLICITATION F1782-18C922/A – STATEMENT OF WORK SUPPLEMENT – REVISION 00

This Supplement is raised to:

- 1) Address questions raised by industry.
- 2) Present comments made by Canada; and
- 3) Revise the Statement of Work document.

This version of the Solicitation F1782-18C922/A – Statement of Work Supplement supersedes all previous versions of the Solicitation F1782-18C922/A – Statement of Work Supplement. If previously raised questions remain unanswered, please resubmit them by e-mail to the Contracting Authority.

Updates to this Supplement since the last version are in green text.

This Supplement affects the content of the Solicitation and its associated documents.

The bid must take into account:

- 1) The Solicitation documents available from the Government Electronic Tendering System at <https://BuyandSell.gc.ca/procurement-data/tenders>;
- 2) This Statement of Work Supplement; and
- 3) The documentation referenced within the Solicitation documents including this Statement of Work Supplement.

A. Questions and Answers

Item	Specification Reference	Question	Answer	Date
1	11.2 C.1	11.2A specifies 16 hours for the NDT technician. 11.2C Statement of Work, C.1 specifies one (2) eight (8) hour days. Please clarify what to allow for.	Two, 8-hour days are required.	September 26 th 2018
2	11.4 C.1.8	The specification C.1.8 direct contractor to apply one overall coat of Interthane 990 to the top sides. The International Paint specification directs the contractor to apply 2 TU (Touch Up coats). Which is correct?	This is a typo and the contractor must apply 2 Touch up Coats.	September 26 th 2018
3	11.12	11.12A Please confirm all valves listed are to be unbolted and removed from the vessel.	Yes, they all need to be unbolted and removed by the Contractor.	September 26 th 2018
4	11.16	ITT 6-10 requires perspective contractors be certified as follows: <i>6-10 Welding Certification - Bid</i> <i>1. Welding must be performed by a welder certified by the Canadian Welding Bureau and in accordance with the requirements of the following Canadian Standards Association (CSA) standards:</i> <i>a. CSA W47.1-09, Certification of Companies for Fusion Welding of Steel (Minimum Division Level 2.1); and,</i>	Pre qualified weld procedures are accepted for the installation of the Blister. The RO (ABS) will require the procedures to be submitted before the work is conducted. If ABS wants different procedures they will be done through PSPC work arising procedures.	September 26 th 2018

		<p><i>b. CSA W47.2-11, Certification of Companies for Fusion Welding of Aluminum (Minimum Division Level 2.1).</i></p> <p><i>Spec. 11.16 C.2.6 states: RO's accept welder performance and welding procedure testing to CSA Standards for steel and aluminum. To be accepted, Welding Procedure Specifications and supporting Data Sheets must be tested and have Procedure Qualification Records (PQR) meeting the technical intent of IACS W28.</i></p> <p><i>Spec. 11.16 C2.7 states: Welding procedures approved by the CWB on the sole basis of CSA Standard W59 pre-qualified joints for steels are not accepted by ROs. As such, for CCG vessels maintained in-class by a RO, the contractor must use weld procedures supported by PQRs for joining steel, unless otherwise accepted by the attending RO Surveyor.</i></p> <p>Please clarify whether pre-qualified CWB weld procedures and existing CWB certifications in place, as required in the ITT, are acceptable for the installation of the transducer fairing.</p>		
5	12.1	<p>Sea Trials: 12.1A. A2 specifies the contractor to allow for 4 hours alongside for dock trials.</p> <p>12.1C. C.2, C.3, C.4 directs the contractor to allow for an eight hour sea trial and allow for the attendance of the Rolls Royce FSR and the Jastram FSR. It is likely the dock trials will be undertaken on the day preceding sea trials. Will the FSRs specified be required to attend the dock trials to ensure their equipment is operating correctly prior to attending the sea trials? This especially applies to the Jastram FSR, who are not specified to attend the vessel for any other work, except sea trials.</p>	<p>The Jastram FSR is only required for the Dock Trials.</p> <p>Both of the RR FSR's will be required for the dock trials and sea trials.</p>	September 26 th 2018
6	12.3	<p>12.3C.C3.5 directs contractor to supply a Rolls Royce control engineer for one 10 hour day.</p> <p>Spec. 12.3C.3.1 directs contractor to allow for attendance of the Rolls Royce control FSR for two eight hour days, including one day for sea trials. Which is correct?</p>	<p>The Rolls Royce controls engineer is required for two, 8-hour days, which includes one day for sea trials.</p>	September 26 th 2018

7	12.1	12.1C. C3 specifies the contractor to allow for the attendance of the Rolls Royce FSR for an 8 hour sea trial. Spec. 12.3C.C3.5 directs contractor to supply a Rolls Royce control engineer for one 10 hour day. Spec. 12.3C.3.1 directs contractor to allow for attendance of the Rolls Royce control FSR for two eight hour days, including one day for sea trials. Please confirm, contractor to allow for two Rolls Royce FSRs to attend one eight hour sea trials. One mechanical FSR, one control FSR	Contractor is to allow for 1 Rolls Royce mechanical FSR and 1 Rolls Royce controls FSR to attend the one day, eight-hour sea trial	September 26 th 2018
8	12.1	C.6 How much fuel will be bunkered? How long will the bunkering take?	29,000 Liters of fuel will be bunkered and the bunkering will take 4 hours.	September 26 th 2018
9	12.3	Propeller Hubs C.3.4 directs contractor to flush and supply new Mobil 600XP 68 oil. C.4.8 directs contractor to supply and fill system with Mobil DTE 10 Excel oil. Are there two oil systems on this vessel and two types of oil are required?	The Mobil 600 XP 68 is required, the DTE 10 is incorrect.	September 26 th 2018
10	15.1	D.2.2 states <i>“Clean fresh water must be used when testing systems hydrostatically. Failure to correct leakage or inability of manually operated valves to be opened and closed tightly by one person without mechanical assistance is unacceptable”</i> . What is meant by this line?	Only Bench testing will be required, it is not possible to test the bunkering system in-situ. It will be tested for leaks when the vessel fuels.	September 26 th 2018
11	17.1	Who are the life raft manufacturers?	The life rafts onboard are as follows: Two (2) Survitec Zodiac TO and one (1) Survitec Zodiac Coastal	September 26 th 2018
12	17.3	17.3.C, C.1 states <i>“The Contractor must replace all flexible hoses found on the crane and inside the pedestal as per table 6-5 in the manual.”</i> Table 6-5 is a table of hose end configurations with O ring part numbers. I think you mean Table 6-4. This table lists 28 hose assemblies, but has no descriptions for the size, hose type, end connections. Only part numbers are supplied. Please provide information so we can price replacement hoses.	The Contractor must remove all flexible hoses found on the crane and inside the pedestal. The Contractor must replace all the hoses with new hoses rated for 3000 PSI and must be made of SAE 100/R12 grade with smooth cover or equivalent. The hose replacement will be done through PSPC Work arising procedures.	September 26 th 2018
13	15.1	For clarity, please verify the fuel bunker line is to be cut in 2 places, one place over the forward end of the port engine, one place over the aft end of the port main engine. The pipe must be removed and 4 flanges are to be installed. The specification only provides one photo which shows only the flange pair over the forward end of the port main engine. A photograph of the flange pair at the aft end of the port main engine was not provided. Correct?	Yes, 2 cuts are required. A 2 nd photo is not available.	September 26 th 2018

14	17.4	The specification calls for the shipyard to sub-contract the inspection work of the Lifeboat Davit to either Welin Lamby Ltd., or Survitec, DBC. Please advise on the duration we are to allow for the sub-contract inspector.	Bid on Davit inspection of two, 8-hour days.	September 28 th 2018
15	11.3	Underwater hull P & P : Please clarify if we are to apply a full coat of BRA 640 on the repaired spots added on the underwater hull- will this be in the 'Not separated out' category on the Pricing sheet?	Yes a full coat of BRA 640 on the repaired spots. The antifouling coating price should be included on line 39 of the Pricing Datasheet.	September 28 th 2018
16	11.3	Forward machinery space - sea suction: Can Canada forward a system drawing for this, showing size of piping, length etc.?	CCG does not have a drawing showing the forward sea suction. For Painting Purposes the area to be painted is 3 square meters.	September 28 th 2018
17	Solicitation Annex H	The estimated labour hours for the Unscheduled Work seems excessive. Can this value be reduced?	The estimated labour hours has been reduced to 500 hours.	September 28 th 2018
18	Bidder's Conference	Can a copy of the Bidder's Conference minutes be provided?	The minutes have been provided as part of the document update zip file issued to the BuyandSell.gc.ca notice page.	September 28 th 2018

B. Comments

Item	Reference	Comment	Date

C. Revisions to the Statement of Work document

Item	Reference	Remove	Insert	Date
1	11.2. C.1	one (2) eight (8) hour day.	two (2) eight (8) hour days.	September 28 2018
2	11.4 C.1.8	The Contractor must apply one overall top coat (250 m2) of Interthane 990 – Ral3000 Flame Red (PHX59F/A) to the above water hull following the paint repairs.	The Contractor must apply two overall top coat (250 m2) of Interthane 990 – Ral3000 Flame Red (PHX59F/A) to the above water hull following the paint repairs.	September 28 2018
3	11.16 C.2.7	Welding procedures approved by the CWB on the sole basis of CSA Standard W59 pre-qualified joints for steels are not accepted by ROs. As such,	Welding Procedures must be pre-qualified by CWB, the contractor must use weld procedures supported by PQRs for joining steel, unless otherwise stated by the attending RO Surveyor, if the Surveyor states PQR's are	September 28 2018

		for CCG vessels maintained in-class by a RO, the contractor must use weld procedures supported by PQRs for joining steel, unless otherwise accepted by the attending RO Surveyor.	not acceptable it will be corrected by PSPC work arising procedures.	
4	12.1 C.4	The Jastram Engineering FSR must attend the sea trials to ensure the steering systems are operating correctly.	The Jastram Engineering FSR must be made available for dock trials to ensure the steering systems are operating correctly before the commencement of Sea Trials. The Jastram FSR is not required for the at sea trials portion.	September 28 2018
5	12.3 C.3.5	The Contractor must sub contract to Rolls-Royce Canada to supply a controls engineer field service representative to calibrate the CPP position feedback unit. The Contractor must quote on having a Rolls-Royce Senior Service Engineer on board for 1 10 hour day to calibrate 6 control levers in addition to the time in C.3.1.	The Contractor must sub contract to Rolls-Royce Canada to supply a controls engineer field service representative to calibrate the CPP position feedback unit.	September 28 2018
6	12.3 C.4.8	Mobil DTE 10 Excel.	Mobil 600XP 68 or equivalent.	September 28 2018
7	15.1 D.2.2	Clean fresh water must be used when testing systems hydrostatically. Failure to correct leakage or inability of manually operated valves to be opened and closed tightly by one person without mechanical assistance is unacceptable.	Clean Fresh water or system fluid must be used when testing the systems hydrostatically. They Hydrostatic test will be conducted on the bench before the piping is painted. Failure to correct any leakage is unacceptable.	September 28 2018
8	15.1 D.2.3	Machinery and equipment must not be subjected to pressures higher than their maximum allowable operating pressure during system pressure tests. Valves at the components may be closed, or the connection blanked off to protect such components from excessive pressure. If there are any flanged joints in the piping between a tank isolating valve and the open end of the suction pipe, or where a tank isolating valve has not been installed, the flanged joint next to the open end of the suction pipe must be temporarily blanked off	Removed.	September 28 2018

		so the system may be pressure tested up to that point. Instruments, pressure switches and other components that could be damaged by excessive pressure of system tests must be removed or otherwise protected during the tests.		
9	16.1 C.1.5	New	The Contractor must move the fridge in the ships mess to replace the flooring. The fridge will be emptied by the CCG prior to the work period. The fridge is unable to be removed from the space so it will be required to be moved out of the way while they do that section of flooring and put back to complete the rest. The Contractor must cut the new floor into the the countertop next to the fridge as it is not removable. The mess tables and chairs will be removed by the ships crew prior to the work period.	September 28 2018
10	16.1 C.1.6	New	The Contractor must repair the subfloor if it is found to be damaged after removing existing floor. Any repairs to the subfloor will be done through PSPC work arising procedures.	September 28 2018
11	17.3 C.1	The Contractor must replace all flexible hoses found on the crane and inside the pedestal as per table 6-5 in the manual.	The must remove all flexible hoses found on the crane and inside the pedestal. The Contractor must replace all the hoses with new hoses rated for 3000 PSI and must be made of SAE 100/R12 grade with smooth cover or equivalent. The hose replacement will be done through PSPC Work arising procedures.	September 28 2018

ALL OTHER INSTRUCTIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.