

## SOLICITATION F1782-18C938/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 F1782-18C938/A – Statement of Work Supplement supersedes all previous versions of the Solicitation F1782-18C938/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	Annex A, S1.3	Is vessel heating included in the Electrical Power requirement for 10,000 kWh for the work period?	Yes, vessel heating is included in this amount. The final power consumption total shall be prorated and adjusted up or down by PSPC 1379 action. The Contractor must heat the facility as per SOW and this cost is not included in the 10000kwh number.	September 5, 2018
2	Annex A, 11.2	What will be the regulatory organization for this refit?	Transport Canada is the designated Regulatory Organization for this specific docking	September 5, 2018
3	Appendix A, General	Why is the Appendix A marked as 'Draft'?	This is an error and the Appendix A should not be designated 'Draft'. This has been corrected.	September 5, 2018
4	Appendix A, C.5	Can you provide further details as to the fabrication requirements for the furniture? Is the furniture to be marine grade?	Fire rated laminated on the exterior and interior surfaces applied over 18 mm plywood core. Aluminum extrusion edging with slam latch hardware as per the finishing schedule.	September 5, 2018
5	Appendix A, C.9	Can Canada provide the qualifications of a 'equivalent' crane?	The crane must be a Fassi M40.1.14 built for Marine Application or equivalent. Equivalent means it must be of within 5 percent of its weight and capacity and meet the H2B3	September 5, 2018

			Standard. Equivalent means the crane must be coated on the inside of the load arm and boom extension and have stainless steel fittings.	
6	Appendix A, C.9	Can Canada provide the qualifications of a 'equivalent' tow reel?	The equivalency must be manufactured from 6061 Aluminium and powered by 24 volt with the capacity to reel in the 300' of 7/8" rope while the vessel is making way at 5 knots. The electric motor must be suitable for installation in a wet environment and rated for continuous service. The reel must be large enough to fit the specified length of rope currently carried by vessel.	September 5, 2018
7	General	Can bidders access a 360 degree walk thru pictorial on Vakta?	Yes, bidders are made aware that the walk thru was made June 2018 and is provided for reference use only. The web site is <a href="https://players.cupix.com/p/hPWMaGyj">https://players.cupix.com/p/hPWMaGyj</a>	September 5, 2018
9	11.10.C	Does Canada require the entire deck area to be sand blasted and coated	No Canada only requires 4 areas of 1 square meter to be repaired. Additional areas must be repaired if the coatings have been damaged by welding or other work.	September 5, 2018
10	Appendix A Refit Overview Dwgs	The drawings indicate a "spray knocker" however there is not one currently fitted on the vessel nor any drawings for construction. Does Canada want a spray knocker installed on the hull?	Yes Canada is currently having a structural drawing created and will have it to the bidders by September 7 <sup>th</sup> .	September 5, 2018
11	Appendix A C.9.3	Can Canada clarify the tow line requirements and if the tow line is to be cfm?	The Contractor must remove the existing tow line and inspect it with the TA if the rope is found to be deficient a new line is to be purchased thru PSPC 1379 action.	September 5, 2018
12	Drawing 1178 – Refit Overview	Refit Overview show a new deck box, does Canada require a new deck box?	No Canada has purchased and installed a new deck box. The deck box will be removed by Canada prior to the work period.	September 5, 2018
13	Appendix A C.5.1	Does Canada require a still inlay strip of 2" wide steel on the inboard and outboard side of the new chart table top similar to the existing chart table top?	Yes, the existing design has the 2" wide steel strips under the countertop. Canada requires this strip on the outboard and inboard side of the table 3" in from the sides. This allows magnets to hold down paper.	September 5, 2018
14	Appendix A 1178-601 Reflective Ceiling Plan	Does Canada require one additional emergency light in the Head and one additional light above the staircase leading to the accommodations?	Yes, The must be connected to the one shown in the drawing and come on with a loss of AC power. The must be the same light as per the 1178 – Finishing Schedule.	September 5, 2018
15	SOW 11.8	Does Canada require the oak rubbing strakes and forward rubber rubbing strakes removed prior to sandblasting the hull?	Canada requires the rubbing strakes to be unbolted from both the port and stb side. The oak boards are to be sanded and painted flat black with 3 coats of stain. The Contractor must bolt the	September 5, 2018

			rubbing strakes back in place after sandblasting and hull coatings are complete. The forward rubbing strake is to remain in place and protected from sand blasting.	
16	Appendix A C.6.1	Does Canada require carpet in the accommodation space as per the Finishing Schedule?	No Canada now requires Armstrong Safety Zone Tile in slate grey (or equivalent). <a href="http://www.armstrongflooring.com/pdbupimages-flr/210516.pdf">www.armstrongflooring.com/pdbupimages-flr/210516.pdf</a>	September 5, 2018
17	Appendix A D.6.9	Does Canada require the existing March pumps relocated	No the pumps can stay where they are.	September 5, 2018
18	SOW 11.10.C	Does Canada require the 10 removable railings sandblasted and recoated?	Yes the Contractor must remove the 10 railings and sand blast them to SPSC-6 and recoat them as per Interspec "Superstructure Repair"	September 5, 2018
19	Appendix A D.8.2	Does Canada wish to modify the bunk fronts?	Yes, Canada requires the contractor to simplify the aft port bunk design by build a solid front instead of the shown opening and mesh. The contractor must not fasten the top of the bunk to allow storage below.	September 5, 2018
20		Does Canada require an additional 4" vent?	Yes, Canada requires the contractor to cut a hole into the deck and weld a 4" aluminum pipe with a goose neck into the deck at forward of frame 18 port side and install a 24 volt constant duty EBM PAPST 7114N fan for the purpose of ventilating the space as per findings of an OSH audit. The Contractor must pull new wire to panel D-DC1. There must be an off/on switch located on the enclosed bridge.	September 5, 2018
21	Appendix A Finishing Schedule	Does Canada require new mattress for the bunks?	Yes Canada requires 4 "Royal Foam" firm or equivalent of 6" thickness with a zipper cover made of "sunbrella" in Marine Blue. The mattresses must be made to fit the 4 bunks in the forward accommodation.	September 5, 2018
22	Deck Sandblast	Does Canada require the non-coated aluminum bollards painted?	No these are not required to be coated. They must be protected from sand blast grit.	September 5, 2018
23	11.9.C	Does Canada Require the decals renewed on the hull?	Yes as per SOW Canada requires decals of the same size and quality installed after coatings.	September 5, 2018
24	Drawing 1178-Refit Overview Page 1	Who supplies the mast?	The mast has already been installed on the vessel.	September 5, 2018
25	1178-Refit Overview Page 2	The drawings states to relocate the Saab R4 and Furuno Multi-display. Who moves these items?	Canada will remove these items and replace them. If Canada finds they require additional wire to reach the new location Canada will raise a 1379 and ask the Contractor to pull new wire.	September 5, 2018
26	Drawing 1178-Refit Overview Page 2	The drawing states that new smoke and gas detectors are required in is this true?	No Canada removes this requirement.	September 5, 2018

27		Is the contractor required to coat any heat effected or new material added to the deck structure?	Yes the contractor must complete the repairs in accordance with the Interspec. The Contractor is required to repair any damaged areas as per the General Notes	September 5, 2018
28	1178-Structure sheet 1 of 5 section 1 – 4B.	Does Canada require the area around the aft door to be sandblasted?	No the area is to be hand tooled to avoid sand ingress into the wheel house. The coating system is to be applied as per the Interspec “Super Structure Repair”. The Contractor must bid on hand tooling 2 square meters of area.	September 5, 2018
29	Appendix A E.2.4	Can Canada better define how much 3 <sup>rd</sup> party weld inspection is required?	Canada will hire and direct the 3 <sup>rd</sup> party inspector directly. Canada will amend E.2.4	September 5, 2018
30	11.10	Do the windows require removal for sandblasting?	No the window may remain in place. The Contractor must ensure they are protected from mechanical damage during the work period.	September 5, 2018
31	11.4	Does Canada require the fuel tank fuel level filled back up after the tank inspections are completed?	No the Contractor must return the vessel empty of fuel.	September 5, 2018
32	General	Are the drawings available in AUTOCAD?	Yes Canada will make the AUTOCAD versions of drawings contained within the drawing package in AUTOCAD to the successful bidder.	September 5, 2018
33		What is the minimum height the vessel can be stripped down to?	As per the SOW the Contractor is not able to remove the wheel house to lower its overall height. Canada has provided drawings which are deemed to be accurate. The Contractor is responsible to remove and reinstall any interference items in order to lower the vessels overall height. Prior to any removal of electronics the Contractor and Coast Guard Electronic Technicians will verify correct function to the TA any deficiencies will be noted. The Contractor must reinstall and test all equipment in the presence of the TA any new deficiencies to be corrected by the Contractor. Canada will remove the 4 antenna on the wheel house top.	September 5, 2018
34	Appendix A C.1.17	Is Pex allowed for plumbing?	Yes. If the Contractor uses Pex it must be coloured blue for cold and red for hot.	September 5, 2018
35	Appendix A	Can the Contractor order the cabinetry before strip out?	The Contractor must assume that the drawings provided are accurate. The Contractor must immediately after strip out verify that the cabinetry will fit in order to make any changes. Any changes required in cabinetry will be thru PSPC 1379 action.	September 5, 2018
36	Solicitation	Is bonding required for this requirement?	No, the bidders do not need to obtain bid bonds or contract financial security.	September 5, 2018


**B. Comments**

Item	Reference	Comment	Date

**C. Revisions to the Statement of Work document**

Item	Reference	Remove	Insert	Date
1	Appendix A D.7.3	Contractor is to pull back and re use existing wire on windlass on the foredeck. If the wire is found to be too short or unsuitable, a PSPC 1379 will be raised.	The Contractor must move the existing JB that feeds the windlass forward and to the port side to clear the bump out into the collision bulkhead. The existing positive to the windlass is to be relocated into the JB and new wires from the JB to the windlass are to be installed.	September 5, 2018
2	Appendix A D.6.10	Contractor must build and install a new stagnation fence built of aluminum angle and expanded metal behind new AC unit thru hull fittings to ensure adequate flow at cruising speeds.	The Contractor must construct a cage around the compressors of aluminum angle and expanded metal to protect personnel from contacting the compressors.	September 5, 2018
3	Appendix A D 7.7	The Contractor is to relocate the fuel cut-off switch as required to suit interior modifications.	The Contractor is to retain the mechanical fuel shut offs in the galley. Electrical switches are to be placed above them.	September 5, 2018
4	Appendix A D.7.8	The Contractor must add new smoke and gas detectors in the galley (see ref. 1178 Refit Overview sheet 3) and clarified at viewing	Canada removes this requirement	September 5, 2018
5	Appendix A D.7.10	The Contractor may need rewire the fire panel due to moving of the DC panel and relocating the galley. This will be clarified at the viewing.	The Contractor must remove the Notifier panel in the auxillary machine space for reinstallation after the hot work has been completed. The Contractor must reinstall upon completion of work. If the Notifier panel requires to be move or new wires it will be actioned thru PSPC 1379 action	September 5, 2018
6	Appendix A D.7.11	The Contractor may need rewire the electrical controllers and other associated electrical components located in the forward machinery space. This will be clarified at the viewing.	The Contractor must remove the 4 white boxes marked as ZF controls, the Mather control Junction Box and Bilge Void Pump Switch and Search Light Power Supply. After hot work is completed these boxes must be reinstalled into the new bulkhead bump out. Any wire that is found to short is to be actioned thru PSPC 1379 action". The Contractor is cautioned to ensure all wires are labeled	September 5, 2018

			and carefully removed as the ZF boxes control the vessels propulsion.	
8	Appendix A E.2.4	The Contract must hire a third party CWB qualified weld inspector to inspect fuel tank and structural welds including crane base. Weld testing to be done in the presence of the TA. The third party must furnish a report with photos of each test to the Contractor and the Contractor must attach the third party report to their QA document.	Canada will hire a 3 <sup>rd</sup> party contractor and pay them directly. The Contractor must inform the TA upon completion of the tanks, collision and aux machine room completion and Canada will direct the 3 <sup>rd</sup> part inspection. Canada removes line E.2.4	September 5, 2018
9	11.4.C.6	Does Canada require CFM Nitrile gaskets for their fuel tanks?	No the SOW is incorrect and Canada requires CFM Viton gaskets. The word Nitrile has been replaced by Viton	September 5, 2018
10	Appendix A 6.9	Contractor must relocate existing March LC-3P-MD pumps (see ref. drawing 11778-HVAC Systems) into existing space.	Line Removed	
11	11.10	Updated section, removes requirement for a full deck sandblast	Changed to spot repair and one overall coat.	September 5, 2018

**ALL OTHER INSTRUCTIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.**