

SOLICITATION F1782-21C006/A – TECHNICAL SPECIFICATION SUPPLEMENT – VERSION 3

This Supplement is raised to respond to technical questions raised by industry and to document any additional information (including additional work). This version of the Technical Specification Supplement supersedes all previous versions. Updates to the Supplement since the last version are in **blue** text.

If previously raised questions remain unanswered, please re-submit them by e-mail to the Contracting Authority.

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

The bid must take into account:

- 1) All Solicitation documents and attachments available from the Government Electronic Tendering System at <https://BuyandSell.gc.ca/procurement-data/tenders>;
- 2) This Technical Specification Supplement; and
- 3) All documentation referenced within the Solicitation documents.

A. Questions and Responses

| Item | Statement of Work Reference | Question | Response | Version |
|------|-----------------------------|--|--|---------|
| 1 | S 1.2 | Instead of the Contractor, can Canada tow the vessel from the Institute of Ocean Science to the Contractor's facility and back? | No. The Contractor must tow the vessel. | 1 |
| 2 | S 1.2.2 | Will there be anyone other than the Contractor's representatives on board the vessel while the vessel is being towed from the Institute of Ocean Science to the Contractor's facility? | No. No Canadian Coast Guard (CCG) personnel will be on board. | 1 |
| 3 | S 1.2.6 | Will there be anyone other than the Contractor's representatives on board the vessel while the vessel is being towed from the Contractor's facility to the Institute of Ocean Science? | No. No CCG personnel will be on board. | 1 |
| 4 | 11.4 | 11.4 – Engine Room and Main Deck Piping Modification: Please provide related piping drawings for AMR, MMR and other spaces. | Files will be available for download from the Tender Notice on BuyAndSell.gc.ca. | 1 |

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| 5 | 11.4 | 11.4 – Engine Room and Main Deck Piping Modification: Please advise whether the Contractor must consider the piping /fitting quantities mentioned in Excel sheet “Fire Main piping Schedule” as final renewal scope? | All fittings and piping are Contractor Furnished Material and/or equipment (CFM). | 1 |
| 6 | 12.2.C C.2.24 | Please clarify "C.2.24 The Block that was removed will be shipped to...." | The Contractor must put the stbd engine block that is being removed into the crate that the new engine is coming and then ship it to the Cullen Diesels facility in Surrey, BC. | 1 |
| 7 | 14.1.C C.4 | Please clarify what "picture" means in "C.4 The Survey must include a picture of every transit in its current state." Would photographs suffice? | Photographs are what is expected for this specification item. | 1 |
| 8 | 18.1 C.1.12 | Please clarify what "installed detailed" means in C.1.12 where it says, "The removed radios will be installed detailed later in this SOW." | This should read “the removed radios will be reinstalled as detailed later in this SOW”. The radios need to be removed to provide access in order to install the new components, but are re installed as outlined in Section C.5 and Table 5. | 1 |
| 9 | 18.1 C.1.14 | Please clarify "C.1.14 The SOW will be performed in an alongside refit, at the Institute of Ocean Sciences" | This section should be removed, it was left in from a previous work package. | 1 |
| 10 | 18.1 C.1.14 | It is indicated that this work will be performed in an alongside refit, at the Institute of Ocean Sciences. We think most of the work can be executed at our facility during the repair stay. Please confirm whether or not the work described in 18.1 can be performed at the Contractor’s facility during the Contract’s Work Period. | See above, this was left over from a previous version. All work will be conducted at the Contractor’s Facility. | 1 |
| 11 | | In the past, RO / ABS were directly contracted and all associated costs cover by Canada? Please confirm if this is still the case for this contract. | Yes, Canada will directly contract ABS will all associated fees and costs. | 1 |

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| 12 | 11.2 | <p>Weight Tracking: For clarity, given the requirement to report weekly, will work in progress and where work is not being returned in the exact state it was removed, will the weight tracking have to address in the incremental steps for work in progress? i.e.: In the process of installing the hatch, which will extend over several weeks, will the reporting have to reflect the incremental steps in undertaking the work, i.e.: Week 1: insulation removed, deck plate removed; Week 2: deck plate is off, port side girders installed, bridge deck cut out, ... or can the weight changes be made mathematically for the entire job and presented as a total for weight tracking at the end of the project?</p> | <p>Weight tracking can be addressed on a per item basis.</p> <p>In the interest of efficiency as long as the net change is captured at the completion of the spec item, the TA will be satisfied, this just needs to be communicated to the TA during the weekly update, i.e.: “changes as per spec item 11.3 will be inputted when work is completed”.</p> <p>For known weights, i.e., the weight per foot of a W11 Beam, a calculated weight would be sufficient.</p> | 1 |
| 13 | 12.1 | <p>Inspect Main Engine Exhaust: Please provide a detail drawing illustrating the configuration of the Bronseske Flexible Exhaust Bulkhead Penetrations.</p> | <p>Please refer to the electronic file “F1782-21C006A_Vol04.zip” recently published as an Attachment to the Tender Notice on BuyAndSell.gc.ca. It is important these not be disturbed unless absolutely necessary, they are not designed to be re-used and parts kits have long lead times.</p> | 1 |
| 14 | 12.1 | <p>Inspect Main Engine Exhaust: Please provide a sketch or information illustrating where the suspected failures are which we are searching for using NDE.</p> | <p>Included in the electronic file “F1782-21C006A_Vol04.zip”, there is the weld repair document we used on the CCGS Captain Goddard where the problem was first discovered. The cracks are being found close to where the Broneske penetration is welded, which happens to be in close proximity to a but weld joint on the exhaust pipe.</p> | 1 |
| 15 | 12.1 | <p>Inspect Main Engine Exhaust: Please provide a drawing of the main and auxiliary exhaust installation.</p> | <p>Exhaust gas arrangement is included in the one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca. We have no other drawings of the system.</p> | 1 |

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| 16 | 12.2 | Starboard Main Engine Removal: Specification describes only one main engine to be removed. The Longkeek information states the opposite (port) engine must be moved outboard to allow (starboard) engine to be removed and installed in the vessel. | In consultation with Cullen Diesel, we have determined it is possible to move the stbd engine inboard with enough clearance to move it aft without moving the port engine outboard. | 1 |
| 17 | 12.2 | Starboard Main Engine Removal: Specification 12.2.7 calls for special shortened bolts for lifting engine block after cylinder heads removed. a. What is the size and special thread we need for the special lift lugs secured to engine block referred to in spec. 2.7? b. How many special bolts are we making from Grade 8 material? | Twelve M22X2X333 | 1 |
| 18 | 15.1 | Fire Main Replacement: 15.1.A A.1 states, <i>"The intent of this specification is to complete the replacement of the Stainless steel fire main in the Bow thruster space which includes a deck penetration"</i> . The information provided specifies the fire main in the entire vessel is to be renewed. Which is correct? | Yes, this was an error. The entire fire main must be renewed. | 1 |
| 19 | 18.1.B B.9 | Please provide AF6102-E1203-4010-01 Bridge Arrangement and Layout Unit 120-3. | Please refer to the electronic file "F1782-21C006A_Vol04.zip" recently published as an Attachment to the Tender Notice on BuyAndSell.gc.ca. | 1 |
| 20 | 18.1.B B.10 | Please provide VM031-18D-CO-02-001 GMDSS 6000 Series System One Line Drawing. | This is included in one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca, under GMDSS REFS – Guidance Drawings – System.Arrangement.Assembly Drawings. | 1 |

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| 21 | 18.1.B B.11 | Please provide VM031-18D-CO-02-002 R5 Primary GPS Nav Mk II System One Line Drawing. | This is included in one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca, under GMDSS REFS – Guidance Drawings – System.Arrangement.Assembly Drawings. | 1 |
| 22 | 18.1.B B.12 | Please provide VM031-18D-CO-02-003 R5 Supreme AIS / GPS System One Line Drawing. | This is included in one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca, under GMDSS REFS – Guidance Drawings – System.Arrangement.Assembly Drawings. | 1 |
| 23 | 18.1.B B.13 | Please provide VM031-18D-CO-02-004 Antennas Arrangement. | Please refer to the electronic file “F1782-21C006A_Vol04.zip” recently published as an Attachment to the Tender Notice on BuyAndSell.gc.ca. | 1 |
| 24 | 18.1.B B.14 | Please provide VM031-18D-AD-02.-002 MF/HF Antenna Structure Assembly Drawing. | This is included in one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca, under GMDSS REFS – Guidance Drawings – System.Arrangement.Assembly Drawings. | 1 |
| 25 | 18.1.B B.15 | Please provide VM031-18D-AD-02-003 HF Mount Arrangement Drawing. | This is included in one of the previously provided attachments to the Tender Notice on BuyAndSell.gc.ca, under GMDSS REFS – Guidance Drawings – System.Arrangement.Assembly Drawings. | 1 |
| 26 | S 1.2 | Instead of including the towing cost in the Bid, can Canada revise the Vessel Transfer Costs and have the balance of the towing costs addressed via the PWGSC 1379 work process? | Thank you for the suggestion. Canada has considered the request. The towing requirements, Vessel Transfer Cost, and the manner in which they are to be priced and evaluated remains unchanged. | 1 |
| 27 | 12.3.D D.2.1 | Dock Trials: There is no specified work on the steering system however Jastram is listed as FSR for dock trials. Is this correct? | The Jastram FSR requirement can be removed from 12.3. They are not required for the dock trials. In 12.3.D, <u>Replace:</u> D.2.1 in its entirety <u>with the following text:</u> “Not Applicable”. | 1 |

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| 28 | 12.1.D.2.1 | When will exhaust leak testing occur? | Exhaust leak testing should be tested after both engines are tested during the dock trials. After dock trials are completed the lagging can be re installed prior to the sea trials. | 1 |
| 29 | 12.2.6 C.2.6 | <p>C.2.6 includes the following excerpt: “Cullen Diesel inclusive of all labour, parts and travel to the Contractor’s facility”.</p> <p>(a) Does this include travel from the Contractor’s facility?</p> <p>(b) Must the quoted Cullen Diesel work be completed during the Contract’s Work Period?</p> | <p>(a) Yes.</p> <p>In 12.2.6, <u>Replace:</u> “C.2.6 The Contractor must get a quote from Cullen Diesel inclusive of all labour, parts, and travel to the Contractor’s facility” <u>with the following text:</u> “C.2.6 The Contractor must get a quote from Cullen Diesel inclusive of all labour, parts, and travel to and from the Contractor’s facility”.</p> <p>(b) Yes.</p> | 1 |
| 30 | 12.2.C C.2.26, Pricing Data Sheet | <p>C.2.26 states, “Installation of the engine follows the inverse procedure as removal.”</p> <p>In the Pricing Data Sheet (Version 1), PDS Line No. 83 is for C.2.26.</p> <p>PDS Line No. 64, 65, 66, 67, 68, 69, 70 are for Cullen Diesel work which include costs associated the completion of the installation of the engine (PDS Line No. 83). Please clarify.</p> | Several PDS items for SPEC 12.2 have been revised. Please refer to the Pricing Data Sheet (Version 2) included in the electronic file named “F1782-21C006A_PDS_v02.zip”. | 1 |

B. ADDITIONAL INFORMATION

| Item | Statement of Work Reference | Comment | Version |
|-------------|------------------------------------|---|----------------|
| 1 | | The Work Period was revised. Refer to Solicitation Amendment 003. | 1 |
| 2 | | Minutes from the Bidders' Conference are available upon request from the Contracting Authority. | 1 |

ALL OTHER INSTRUCTIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.