

SOLICITATION W3555-190229/A – STATEMENT OF WORK SUPPLEMENT – REVISION 02

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 W3555-190229//A – Statement of Work Supplement supersedes all previous versions of the Solicitation W3555-190229//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	ITT 1-2	The section states CCG & DFO. Please confirm this means RCN and DND.	Correct, it should read RCN and DND	March 28,2018
2	ITT 6-3	Does a contract of this nature require a Contract Financial Security or could it be removed given the challenges in securing such a mechanism at short notice (especially if a bidder is a pre-existing contractor to PWGSC)?	The Contract Financial Security requirement must be met for this procurement.	March 28,2018
3	ITT 6-22.2	This section requires both that wharfage costs and the cost of services to tie up the vessel alongside and to cast off must be included in the evaluation price but it is not clear of the total requirement given that only a project end date (15 Sep 18) and not an undocking date are specified. Please clarify the undocking date and confirm that the HMCS Chicoutimi will not require additional berthage.	Confirmed. The undocking date is 15 Sept 2018. HMCS Chicoutimi will not require additional berthage	March 28,2018
4	ITT 7-30	Parking is at a premium at the EGD and controlled directly by PSPC. RFP section 6.19 references SOW A3.2 article 13 which does not exist.	This was included in error and has been corrected under Solicitation Amendment 002.	March 28,2018
5	CHI DOCKING & UNDOCKING (LMRS) Section 23	This paragraph requires that cooling water be provided to the “providing cooling water to the submarine’s power generating unit(s) or by providing an alternate power source.” Please confirm: -That the “submarine’s power generating unit(s)” in this instance refer to the motor generators and not the diesel generators; and	Confirmed. Cooling water will not be required. the “alternate power source” is to be AC power as specified at 2b of the PMRS	March 28,2018

		-That the "alternate power source" is to be AC power as specified at 2c of the PMRS		
6	CHI DOCKING & UNDOCKING (LMRS) Section 28,29	Both sections details prerequisites that must be completed prior to the docking/undocking evolutions, but does not specify responsibility. Please confirm that these prerequisites will be satisfied by CANADA and that the Contractor required to verify them as only.	Docking and Undocking Certificates will be satisfied by CANADA and verified by Contractor.	March 28,2018
7	CHI DOCKING & UNDOCKING (LMRS) Section 31 & 50b	These paragraphs refer to "a liquid and solid weight movement log" and a "change in weights" deliverable. Please confirm that this log and deliverable will be produced/maintained by FMF and provided to the Contractor as Government Supplied Materials.	Confirmed the Log will be produced and maintained by FMF.	March 28,2018
8	CHI DOCKING & UNDOCKING (LMRS) Section 36	This paragraph states that a "vacuum test certificate shall be forwarded to the QAR". Please confirm that this test will be conducted by FMF and the certificate provided to the Contractor as GSM before the undocking evolution.	Confirmed the Vacuum test conducted by FMF and provided as GFI	March 28,2018
9	HMCS CHI Requirements for Ships Services (PMRS) Section 2b,c,d	There appears to be some confusion in the current ratings between each paragraph. Please confirm these paragraphs are correct.	2b - required shore power for the vessel 2c - required power for equipment listed 2d - required material to manufacture cam locks ends for connection to EGD shore power kiosks	March 28,2018
10	HMCS CHI Requirements for Ships Services (PMRS) Section 7 c.	This paragraph requires that portable enclosures be installed but does not specify their source. Please confirm that the portable enclosures will be provided as GSM, or that the Contractor is to build a suitable scaffolding enclosure.	Contractor is to build a suitable scaffolding enclosure.	March 28,2018
11	HMCS CHI Requirements for Ships Services (PMRS) Section 7 i.	This type and purpose of this staging requirement is somewhat unclear. Please clarify the intent of the staging and the type of work it is to support.	There will be a requirement to lay a full footprint of staging for the entire boat, so that any towers required can be built up anywhere around the boat as required. Due to the unknown work package at this time we cannot determine how much staging will be requested.	March 28,2018
12	HMCS CHI Requirements for Ships Services (PMRS) Section 7j and k; 8f	These requirements implies that the contractor control the work of FMF during the evolution. Please confirm that this paragraph only applies to work being performed by the Contractor and that FMF will provide similar controls for their own work.	Confirmed. This paragraph only applies to work being performed by the Contractor and that FMF will provide similar controls for their own work.	March 28,2018
13	HMCS CHI Requirements for Ships Services (PMRS) Section 12.d.2	This paragraph requires TDP access be provided by the Contractor. Please confirm that internet access only is required and that additional connectivity to DND's systems be provided via VPN or otherwise or if the Contractor is to supply access to the TDP through our systems.	This requirement will be removed. DND has access to Bldg. N11. The SoW will be amended to remove PMRS 11 and PMRS 12 a, b, and d.	March 28,2018

			<p>PMRS 12c amended to read:</p> <p>Phone line for boat: one (1) line and one (1) phone</p> <p>Phone line for Commissionaire shack one (1) line and one (1) phone</p>	
14	ITT 6-10	Section makes reference to welding certification. This does not appear to be part of the scope of work. Please clarify.	This was included in error and has been corrected under Solicitation Amendment 002.	March 28,2018
15	ITT 3-1	Given the fast turnaround time, are separately bound, hard copy submissions practical?	Bidders must submit a hard copy either physically or via facsimile to the Bid Receiving Unit at or before the Bid Solicitation closing date and time listed on the solicitation cover-page.	March 28,2018
16	ITT 6-13	For this type of work, are project schedule and reports actually required? This may artificially increase costs.	Yes, project schedule and reports are required.	March 28,2018
17	ITT 6-15	Is a separate quality plan required? This may artificially increase costs, and extend schedule.	Yes, a separate quality plan is required.	March 28,2018
18	ITT 6-16	Is an inspection and test plan required? This may artificially increase costs, and extend schedule.	Yes, an Inspection and Test Plan is required.	March 28,2018
19	ITT 6-17	Is material and supply support practical for the scope of work? This may artificially increase costs, and extend schedule.	Yes, Material and Supply support is required.	March 28,2018
20	ITT 7-2.1	Is "2030 (2016-04-04), General Conditions - Higher Complexity – Goods" the appropriate conditions to be used for this requirement?	Yes, 2030 (2016-04-04), General Conditions - Higher Complexity – Goods, apply to this procurement.	March 28,2018
21	ITT 7-2.2	Ship repairs terms and conditions (1029 (2010-08-16)) referenced. Unclear if this is practical.	Supplemental General Conditions 1029 (2010-08-16), apply to this procurement.	March 28,2018
22	ITT 7-13	Controlled Goods requirement removed. Did this occur in error?	No access to CTAT, so no controlled goods requirement	March 28,2018
23	ITT 7-21.3	The issuance of an 1148 (if this will be issued) would appear to be tied to the work to be performed by DND/FMF personnel, not prime contractor work. This has impacts to warranty, etc. Clarification required.	The warranty form CF-1148 is for use for Contractor work only.	March 28,2018
24	Annex F	Annex refers to General Conditions 2030 (2012-07-16). Please clarify?	2030 (2016-04-04), General Conditions - Higher Complexity – Goods, apply to this procurement. This Annex has been updated in solicitation amendment 002 with the correct reference date.	March 28,2018
25	Annex F	The warranty obligations, in general, do not seem to match the required scope. Appears to also conflict with part 7 (where section 22 is replaced out of SACC 2030)	The warranty provisions are correct.	March 28,2018
26	Annex H	No SRCL requirement stated. Believe this is in error.	In accordance with Annex H, The Security Requirements checklist is available upon request of the Contracting Authority. It is also available as	March 28,2018

			part of the reference document package on BuyandSell.	
27	7-6.2	Progress Payment Holdbacks: States that a 10% performance holdback is required. Is this in addition to the warranty holdback related to the work. Please clarify the intent?	Yes 10% of each claim is withheld until acceptance of the work occurs. The warranty holdback is a separate holdback that is withheld for 90 days from the date the Acceptance document is signed (which in this case will likely be the undocking date)	March 28,2018
28	7-17	Trade Qualifications: None of the documents describe any actual trade qualifications. Please clarify the intent.	This article requires supplier to have qualified, certified (if applicable) and competent tradespeople and supervision during the work period. It is the contractor responsibility to ensure they have the requested credentials above to effectively perform the work. Remains "as is".	March 28,2018
29	7-2.1	The liability cap is excessive based on the scope and duration of the work required.	This liability cap is mandatory as per the Marine commodity, for Vessel Docking. Docking, refit and repair of government vessels include this modified liability. This requirement will remain "as is".	March 28,2018
30	7-28	Asbestos-free Insulation: This clause seems out of scope. Please clarify.	Part 7, Article 2 indicate possible unscheduled work arising. Even if it is not part of the actual scope of work. A possible unscheduled work arising may include such work and article 7.28 indicates that Canada does not want any asbestos containing asbestos.	March 28,2018
31	CHI DOCKING & UNDOCKING (LMRS) Section 20,42	These paragraphs outline the requirement for the Contractor to provide line handlers for the docking and undocking evolutions. Please confirm that the Contractor will provide line handlers for shore side operations and that boat side requirements will be provided by Ships Staff	Correct.	April ,4 2018
32	CHI DOCKING & UNDOCKING (LMRS) Section 16	This paragraph states that the "Contractor must provide line handlers for the docking evolution". Assumed to be a duplication of LMRS Paragraph 20	Correct. Duplicated in error. Sow will be amended to delete this paragraph.	April ,4 2018
33	CHI DOCKING & UNDOCKING (LMRS) Section 18	This paragraph states that "The Contractor must provide two brows (one forward and one aft) and stanchions on the casing when required. It is recommended that the specific requirements are defined in accordance with the agreed Docking Plan. Please clarify the intended use of guard rails/ stanchions whilst in dock, including the estimated length of staging i.e. from Frame X to Frame Y, and whether there is a requirement for any work inside the Fin.	The LMRS does not specifically deal with the time in dock, but the docking and undocking evolutions – PMRS section 6 and section 7(i) takes precedent for this requirement. Staging is from docking bottom up to and including the bridge fin. Yes there is potential for work to be carried out in Fin.	April ,4 2018

34	CHI DOCKING & UNDOCKING (LMRS) Section 21	The paragraph states that "The Contractor must maintain the logout and tagout procedure while the divers are down in the water". It is assumed that this paragraph should read 'lockout and tagout procedure'. Please confirm that the requirement is for the Contractor to maintain procedures in accordance with EGD operating procedures	Agreed. SoW amended to read "lockout and tagout procedure"	April ,4 2018
35	CHI DOCKING & UNDOCKING (LMRS) Section 25c	The paragraph states that the "Contractor must supply Guard rails/ stanchions on boat (if required)". It is requested that the submarine will arrive with ship's stanchions fitted by Ship's Staff for Docking. The Contractor will replace the ship's guard rails/ stanchions on completion of docking and whilst in dock, in accordance with WorkSafeBC requirements. The Contractor will replace the ship's stanchions for Undocking. Please clarify the intended use of guard rails/ stanchions whilst in dock, including the estimated length of staging i.e. from Frame X to Frame Y, and whether there is a requirement for any work inside the Fin.	Agreed. PMRS takes precedent for staging requirement as above in LMRS 18.	April ,4 2018
36	CHI DOCKING & UNDOCKING (LMRS) Section 33	The paragraph states that "The Contractor must submit the undocking calculations". Please confirm that deliverable will be produced/maintained by CANADA and provided to the Contractor as GFI.	Deliverable will be produced by Contractor and reviewed by CANADA as per Reference B - D-03-002-008/SG-011 - REQUIREMENTS FOR DOCKING AND UNDOCKING OF CF VESSELS.	April ,4 2018
37	CHI DOCKING & UNDOCKING (LMRS) Section 48c, f 50g, h, j, k	This paragraph outlines the required Contractor Deliverables. It is recommended that the LMRS specifies that the following deliverables shall be supplied by CANADA as GFI: c. Docking calculations, g. Change of Weights in Annex B form, h. Undocking calculations, j. A copy of signed material certificate (Mat-Cert); and k. Undocking requirements of 'Safe to Dive' certificate Please also confirm the scope of defect reports (item f) relates specifically to the scope of Contractor work. All other defect reports shall be provided by FMF.	Deliverables c. and h. will be produced by Contractor and reviewed by CANADA as per Reference B - D-03-002-008/SG-011 - REQUIREMENTS FOR DOCKING AND UNDOCKING OF CF VESSELS Deliverables g., j, and k. will be produced by CANADA. Item f. confirmed as described.	April ,4 2018
38	HMCS CHI Requirements for Ships Services (PMRS) 2b NOTE 3	The paragraph states that "Portable AC Power unit for the testing of motors in place fed by portable cables through Aft Escape Hatch". Please clarify specifications of the Portable AC power unit and power supply requirements. Is the requirement for a portable transformer 480/450V 250A to the Aft AC Switchboard?	Yes this is correct If we are maintaining the batteries we can utilize an AC connection from the shore connection. The cables will have to pass through the Aft Escape hatch to equipment being tested. IF we are not maintaining batteries then a variable DC supply dockside will be required. The power requirements are as requested in SOW (440 volts, 3 phase 400 amps).	April ,4 2018

39	HMCS CHI Requirements for Ships Services (PMRS) Section 4a	The paragraph states "Contractor must provide metered water supply daily". Please clarify if metered water supply is required to be provided to submarine.	Yes metered water supply is required to be provided to submarine.	April ,4 2018
40	HMCS CHI Requirements for Ships Services (PMRS) Section 5a	The paragraph refers to DEA inspection of the Propeller. Please clarify access requirements to Propellor for DEA inspection (e.g. scaffolding; cherry picker).	Require access by scaffolding.	
41	HMCS CHI Requirements for Ships Services (PMRS) Section 5c	This paragraph relates to hazardous materials and waste. Please confirm that this paragraph relates specifically to management of hazardous materials and waste from hull cleaning operations. Please also clarify if any coating removal operations have been identified at this time.	Yes, this paragraph relates to all management of hazardous material and waste including hull cleaning there is no coating removal (sandblasting or paint removal etc.).	April ,4 2018
42	HMCS CHI Requirements for Ships Services (PMRS) Section 7a (vii)	This paragraph relates to confined space entry. Please confirm that access requirements to confined spaces will be managed through both Shipyard and FMF Confined space processes.	Yes, confirmed.	April ,4 2018
43	HMCS CHI Requirements for Ships Services (PMRS) Section 7a (ix)	Paragraph states "Contractor is responsible for Site First Aid to all DND personnel". Please clarify required First Aid arrangements and induction courses for DND personnel.	Please provide the mandatory safety courses required for access to Esquimalt Graving Dock (EGD), including Submarine Safety course.	April ,4 2018
44	HMCS CHI Requirements for Ships Services (PMRS) Section 9	This paragraph relates to the provision of storage facilities. Please confirm that the timescales required for storage facilities are in line with the provision of office facilities (from one week prior to arrival of ship until one week after final acceptance).	Dockside laydown area is from one week prior to arrival of ship until one week after undocking. April 25- 22 Sept 2018. Dock bottom laydown is from 2 May 2018 (after dry dock is pumped dry) until 14 Sept 2018 (2 days prior to undocking) Dates added to SoW. as Section 9b and 9c.	April ,4 2018
45	HMCS CHI Requirements for Ships Services (PMRS) Section 11e	This paragraph stipulates that all staff requiring access to the premises shall hold a minimum Security Level of SECRET. Please clarify the requirement for SECRET security clearance; is there any flexibility in this requirement; e.g Enhanced Reliability?	This Accommodation section was removed under a previous revision. Contractor personnel requiring access to classified information assets or sensitive work sites must each be cleared to SECRET.	April ,4 2018
46	CHI DOCKING & UNDOCKING (LMRS) Section 14	This paragraph states that "the Contractor must execute the docking evolution and provide engineering oversight during docking of the submarine". It is recommended that, due to the complexity of the docking evolution, this paragraph be expanded to specify that the Contractor's Docking Officer will be duly appointed by the Contractor,	DND agrees with the first part, but not with the second part "execution of other submarine dockings at a similar facility within the past 2 years". Requirements of Docking Officer are as per Reference B - D-03-002-008/SG-011 -	April ,4 2018

		based on experience and qualifications of the appointed individual. It is recommended the Docking Officer would have executed other submarine dockings at a similar facility within the past 2 years.	REQUIREMENTS FOR DOCKING AND UNDOCKING OF CF VESSELS. Sow amended to include the "Contractor's Docking Officer will be duly appointed by the Contractor, based on experience and qualifications of the appointed individual."	
47	CHI DOCKING & UNDOCKING (LMRS) Section 14	This paragraph states that "the Contractor must execute the docking evolution". Based on a review of the EGD bookings it is understood that this docking is to be executed in conjunction with two other dockings of a frigate and a caisson. Noting this joint docking evolution it is recommended that this paragraph be expanded to specify a single individual with authority for the whole docking and undocking evolution. Given the anticipated relative dock block heights between vessels and therefore pre-determined sequence of docking events and additional complexity of the submarine component, it would be expected that the appointed responsible individual of the Contractor be that appointed person. Please also confirm that all tug handling & the pilot for the submarine moves to and from FMF will be completed by QHM. Please also confirm that the submarine will be fully crewed with SS retaining OPCON throughout.	DND does not have the authority to amend other contracts; therefore we cannot specify a single individual with authority for the whole docking and undocking evolution of all three dockings. Confirmed QHM will complete all submarine moves to and from FMF and submarine will be crewed with SS.	April ,4 2018
48	HMCS CHI Requirements for Ships Services (PMRS) Section 7	This section outlines the services required whilst the submarine is in EGD. It is recommended that, based on LFE from the HMCS Chicoutimi Short Notice Docking in 2017, an SOP is drafted to ensure that the Primary Maintenance Service Provider (FMF) is aware of the primary EGD processes and procedures that affect safety and support provisions whilst docked at EGD.	FMF does not have access to LFE from the HMCS Chicoutimi Short Notice Docking in 2017. FMF will engage with the winning bidder to ensure there is clear communication on the primary EGD processes and procedures that affect safety and support provisions whilst docked at EGD.	April ,4 2018
49	CHI DOCKING & UNDOCKING (LMRS) Section 12	This paragraph states that the Contractor must provide containment facilities for all submarine overboard discharges as per item 8 in the Particularized Maintenance and Repair Specification that will be in use during the docking period." Please confirm if the tanks as per Item 8 will be discharged prior to docking.	It is expected that not all tanks will be discharged.	April ,4 2018
50	HMCS CHI Requirements for Ships Services (PMRS) Section 8	This section stipulates tank cleaning requirements by the Contractor. Please clarify if Contractor will be required to supply fasteners, as identified through FMF survey, for close-out of tanks on completion of scope of work. This scope may include configuration management, specification of custom fasteners (First Level and Non-First Level) and procurement action.	Not required by Contractor	April ,4 2018

51	HMCS CHI Requirements for Ships Services (PMRS) Section 2d	This paragraph relates to the provision of material for manufacture of cam lock cable ends. Please clarify who is responsible for manufacture of cam lock cable ends. Can we assume that the ends of our cables will be terminated at a shore side junction box from which SS will run shore supply cables to the submarine?	Contractor is responsible for manufacture of cam lock cable ends. Yes, the ends of contractor cables will be terminated at a shore side junction box as long as SS cables can mate with the shore side junction box.	April ,4 2018
52	HMCS CHI Requirements for Ships Services (PMRS) Section 7l	This paragraph relates to earthing arrangements for the Submarine, to be fitted "at several points along the hull". Please clarify the required earthing arrangements.	7l refers to the equipment being supplied to be properly insulated/grounded.	April ,4 2018
53	HMCS CHI Requirements for Ships Services (PMRS) Section 1	This paragraph states that "The Contractor will have the overall responsibility for the docking and undocking of HMCS CHICOUTIMI at Esquimalt Graving Dock (EGD)." Please confirm that CANADA are responsible for securing a dock booking at EGD in accordance with required docking dates. Please also clarify if the Contractor is to include the preparation costs associated with undertaking CHI's docking in EGD within the proposal.	Yes CANADA will secure a dock booking and pay the dock booking fee at EGD in accordance with required docking dates. Yes, Contractor is to include the preparation costs associated with undertaking CHI's docking in EGD within the proposal.	April ,4 2018
54	CHI DOCKING & UNDOCKING (LMRS) Section 45	The paragraph states that "Flooding of the dock shall be halted until all underwater fittings, stern glands, etc. are proven to be watertight by the Contractor and the SS". IAW Para 22, S/M manned by RCN Ship's Staff. Please clarify that Ship's Staff will conduct this requirement without Contractor staff onboard the submarine during flood-up, undocking and 24hrs post-undocking.	Agreed	April ,4 2018
55	HMCS CHI Requirements for Ships Services (PMRS) 2b NOTE 1	The paragraph states "Contractor to supply all cabling, connectors and power sources for the above services". Please clarify the system boundaries between Contractor supplied and GSM equipment for ship's services.	2b NOTE 1 refers to all power requirements requested. Contractor equipment connected to GSM equipment will be connected by DND (with contractor present if required) and ship's services will be connected by ship's staff.	April ,4 2018
56	CHI DOCKING & UNDOCKING (LMRS) Section 35	The paragraph states that "The Contractor must coordinate with SS in order to complete all undock related works". Please confirm that the scope of undocking related works shall be contained within the agreed docking plan.	Confirmed.	April 4, 2018
57	HMCS CHI Requirements for Ships Services (PMRS)	If an emergency occurs outside of working hours for the Contractor and DND Personnel, will DND Fire Department respond to emergency calls from Ship Staff?	DND Firehall will respond to an emergency call outside the contractor's working hours via the EGD Main Gate.	April 9, 2018
58	ITT 6-3.1	What is meant in 6-3.1: Any bond must be accepted as security by one of the bonding companies listed in Treasury Board Contracting Policy, Appendix L, Acceptable Bonding Companies.	Within Annex L of the referenced policy, it states, Only insurance companies that have been licensed by a Canadian federal,	April 9, 2018

			<p>provincial or territorial regulator to provide financial security when operating in the jurisdiction of the regulator may provide financial security for federal Crown procurement contracts.</p> <p>The source lists of companies licensed to provide surety within Canada can be found through the Canadian federal, provincial or territorial regulators' websites listed below. These sites will provide the latest and most accurate information.</p> <p>Federal Financial Regulator</p> <p><u>Office of the Superintendent of Financial Institutions – Search Companies</u></p> <p>Any insurance company licensed to provide financial security in Canada (as per the current list on the linked to Office of the Superintendent of Financial institutions) can stand as the Surety.</p>	
59	HMCS CHI Requirements for Ships Services (PMRS)	Canada confirmed in its response to question 33 that there would be a requirement to stage the boat up to and including the bridge fin, but has not provided a staging requirement explicitly. Does Canada expect the contractor to include a price for any staging in their proposal, or will staging be addressed as 1379s post contract award. At this point based on the information available the contractor may be forced to price for any staging at any time over the ~5 month period which will likely be excessive in cost terms based on Canada's requirement.	<p>Yes, Canada requires that the bidder provide pricing for staging the entire vessel; from the dock bottom up to the propeller, and up to and including the Bridge Fin.</p> <p>Staging must be built to Industry Standards with the upper platform being a minimum of 4 feet wide.</p> <p>Any additional requirement for staging will be submitted through a 1379.</p>	April 10, 2018

B. Comments

Item	Reference	Comment	Date

C. Revisions to the Statement of Work document

Item	Reference	Remove	Insert	Date

1	HMCS CHI Requirements for Ships Services (PMRS) Section 2b	440 volts 60Hz, 3 phase 260 amps	440 volts 60Hz, 3 phase 260 amps shore power is required for the vessel.	March 28,2018
2	HMCS CHI Requirements for Ships Services (PMRS) Section 2c	<p>Power required for:</p> <p>Shore Chiller: 440 volts, 3 phase 100 amps Bibs Compressor: 440 volts, 3 phase 60 amps HPA Compressor: 440 volts, 3 phase 100 amps. DC Power Supply 440 volts, 3 phase 400 amps Temporary lighting 440 volts, 3 phase 400 amps</p>	<p>Power required for the following equipment:</p> <p>Shore Chiller: 440 volts, 3 phase 100 amps Bibs Compressor: 440 volts, 3 phase 60 amps HPA Compressor: 440 volts, 3 phase 100 amps. DC Power Supply 440 volts, 3 phase 400 amp Temporary lighting 440 volts, 3 phase 400 amps</p>	March 28, 2018
3	HMCS CHI Requirements for Ships Services (PMRS) Section 2d	<p>Material required to manufacture cam lock cable ends for dockside services at Esquimalt Graving Doc(EGD):</p> <p>One (1) of each part number for 440V power, 400 Amps Two (2) of each part number for 440V power, 800 Amps Three (3) of each part number for 440V power, 120 Amps Four (4) of each part number for 440V power, 1600 Amps Five (5) of each part number for 440V power, 2000 Amps</p> <p>Part numbers: LEVITON, 16D24-UR RED TAPER NOSE MALE PLUG LEVITON, 16D24-UG GREEN TAPER NOSE MALE PLUG LEVITON, 16D24-UE BLACK TAPER NOSE PLUG LEVITON, 16D24-UB BLUE TAPER NOSE MALE PLUG</p>	<p>Material required to manufacture cam lock cable ends for connection to shore power kiosks at services at Esquimalt Graving Dock (EGD):</p> <p>One (1) of each part number for 440V power, 400 Amps LEVITON, 16D24-UR RED TAPER NOSE MALE PLUG LEVITON, 16D24-UG GREEN TAPER NOSE MALE PLUG LEVITON, 16D24-UE BLACK TAPER NOSE PLUG LEVITON, 16D24-UB BLUE TAPER NOSE MALE PLUG</p>	March 28,2018
4.	HMCS CHI Requirements for Ships Services (PMRS) Section 11	<p>11. Provision of Office Facilities</p> <p>a. Scheduling: the space and requirements defined in this specification shall be ready for occupancy one (1) week prior to the arrival of the ship and shall remain for use for an additional one (1) week after final acceptance.</p> <p>b. Space Requirements: a general office shall be provided to accommodate up to six (6) FMF personnel;</p> <p>c. The accommodations shall be located in a serviced and lighted building, in reasonable proximity to the submarine;</p>		March 28, 2018

		<p>d. The accommodations shall be located close to washroom and lunchroom for access and use by FMF personnel;</p> <p>e. All members of the Contractor's staff who require access to these premises (e.g.: cleaners, security roundsmen, etc.) shall have a security clearance of a <u>minimum</u> level of SECRET.</p>																																			
5.	HMCS CHI Requirements for Ships Services (PMRS) Section 12	<p>12. Provision of Office Equipment</p> <p>The following office equipment is required daily during the docking period:</p> <p>a. Provide two-sided photocopier with sorter for 5,000 copies per month including necessary photocopying paper (legal and letter size) and maintenance.</p> <p>b. Provide one (1) general purpose cross cut shredder installed in general office. (SECRET)</p> <p>c. Telephone services shall be supplied and maintained on the following scale:</p> <table border="1" data-bbox="409 885 1087 1364"> <thead> <tr> <th colspan="3">TABLE 2 – SUPPLIED AND MAINTAINED TELEPHONE SERVICES</th> </tr> <tr> <th>Position</th> <th>Lines</th> <th>Phones</th> </tr> </thead> <tbody> <tr> <td>General Office</td> <td>4</td> <td>4</td> </tr> <tr> <td>Phone line for boat</td> <td>1</td> <td>1</td> </tr> <tr> <td>Phone line for Commissionaire shack</td> <td>1</td> <td>1</td> </tr> <tr> <td colspan="3">Total Requirements 6 – Private Lines 6 – Telephones 2 – 1A Key System</td> </tr> </tbody> </table> <p>d. Office equipment shall be supplied and maintained on the following scale:</p>	TABLE 2 – SUPPLIED AND MAINTAINED TELEPHONE SERVICES			Position	Lines	Phones	General Office	4	4	Phone line for boat	1	1	Phone line for Commissionaire shack	1	1	Total Requirements 6 – Private Lines 6 – Telephones 2 – 1A Key System			<p>12. Provision of Office Equipment</p> <p>The following office equipment is required daily during the docking period:</p> <p>a. Telephone services shall be supplied and maintained on the following scale:</p> <table border="1" data-bbox="1117 820 1780 1133"> <thead> <tr> <th colspan="3">TABLE 2 – SUPPLIED AND MAINTAINED TELEPHONE SERVICES</th> </tr> <tr> <th>Position</th> <th>Lines</th> <th>Phones</th> </tr> </thead> <tbody> <tr> <td>Phone line for boat</td> <td>1</td> <td>1</td> </tr> <tr> <td>Phone line for Commissionaire shack</td> <td>1</td> <td>1</td> </tr> <tr> <td>Total Requirements</td> <td colspan="2">2 – Private Lines 2- Telephones</td> </tr> </tbody> </table>	TABLE 2 – SUPPLIED AND MAINTAINED TELEPHONE SERVICES			Position	Lines	Phones	Phone line for boat	1	1	Phone line for Commissionaire shack	1	1	Total Requirements	2 – Private Lines 2- Telephones		March 28,2018
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		TABLE 3 – LIST OF OFFICE FURNISHINGS			
		Item No.	Description	Qty	
		General Office			
		1.	Desk for charging station and work station	3	
		2.	Computer Desk with drop station and TDP access	4	
		3.	Bookcases	1	
		4.	Clothes Rack	2	
		6.	Chair	6	
		7.	Drafting Table	1	
		8.	Drafting Stool	1	
		9..	6 ft. x 3 ft. Cabinet	1	
6.	CHI DOCKING & UNDOCKING (LMRS) Section 16	16. The Contractor must provide line handlers for the docking evolution			April 4, 2018
7	CHI DOCKING & UNDOCKING (LMRS) Section 21	The Contractor must provide diver services to check the submarine's position in relation to the keel and bilge blocks during docking evolution. The Contractor must maintain the logout and tag out procedure while the divers are down in water	The Contractor must provide diver services to check the submarine's position in relation to the keel and bilge blocks during docking evolution. The Contractor must maintain the lockout and tag out procedure while the divers are down in water		April 4, 2018
8	CHI DOCKING & UNDOCKING (LMRS) Section 14	The Contractor must execute the docking evolution and provide engineering oversight during docking of the submarine.	The Contractor must execute the docking evolution and provide engineering oversight during docking of the submarine. Contractor's Docking Officer will be duly appointed by the Contractor, based on experience and qualifications of the appointed individual.		April 4, 2018
9	HMCS CHI Requirements for Ships		b. Docksideside laydown area is from one week prior to arrival of ship until one week after undocking. April 25- 22 Sept 2018.		April 4, 2018

	Services (PMRS) Section 9		c. Dock bottom laydown is from 2 May 2018 (after dry dock is pumped dry) until 14 Sept 2018 (2 days prior to undocking).	
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ALL OTHER INSTRUCTIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.