



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Inspection Type M 3.50 Navigation Audit

Inspection Date 04 Aug 2023

Inspector Fiacre Fonseca

From Port Lome

To Port Lome

Hours Onboard 30 H

Avg Audit Findings 94 %

No of NCRs 0

No of observation 0



## Crew Interview & Attendance Record

Staff Name	Rank	Remarks
10131 - MAXIMILIAN LUMANGLAS	MST	
10645 - Moustapha Leye	DCT	

## Auditor Signature

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Fiacre Fonseca



# Maritec Tanker Management Private Limited

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## Negative Findings

Defect ID	Chapter	Category	Question	Answer Details	Is Critical	Status	Link
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## Additional NCRs

Defect ID	NCR No	Observations	Date of Disposition	Status
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## Additional Observations

Defect ID	Observations	Date of Disposition	Status
51	Navigation Light alarm panel defective, RA to be prepared.	30 Aug 2023	Completed
52	BNWAS alarm all level testing to be carried out.	19 Aug 2023	Completed
53	Certain Data not filed in Deck Logbook (Safety Inspections, Safety comm composition, Azimuth readings, Ballast Record) Certain data not updated in official Logbook sec 2, 3A, 3B	18 Aug 2023	Completed
54	Bridge equipment running hours /maintenance to be monitored.	07 Sep 2023	Completed
55	Unable to verify all Navtex / EGC warnings being plotted on ECDIS	26 Aug 2023	Completed

## Positive / Neutral Findings



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

## Chapter: 01.00 - Navigation Audit

### Category: 01.01 - Bridge Organisation

Question	Answer Details	Is Critical	Link
01.01.01 - Is "Working language on board is English" BPG 1.2.11 Remarks if response is "No"	Grade - Yes		
01.01.02 - Are Bridge Watch Conditions maintained in compliance with SMS? Remarks if response is "No"	Grade - Yes		

### Category: 01.02 - Passage Planning

Question	Answer Details	Is Critical	Link
01.02.01 - Are Company's Passage Plan Forms in use? Remarks if response is "No":	Grade - Yes		
01.02.02 - Is Passage Plan Appraisal checklist prepared by the Navigating Officer and verified by the Master? Remarks if response is "No"	Grade - Yes		
01.02.03 - Is berth-to-berth Passage Plan prepared by the Navigating Officer and verified by the Master? Remarks if response is "No":	Grade - Yes		
01.02.04 - Are Squat and UKC calculated for all critical points in the passage and attached to the passage plan document; prepared by the Navigating Officer and verified by the Master? Remarks if response is "No":	Grade - Yes		
01.02.05 - Is procedure for use of Navarea warnings, Navtex warnings, other navigation warnings, Temporary and Preliminary Notices in passage planning and during the voyage well established? Remarks if response is "No"	Grade - No		
01.02.06 - Does the vessel maintain a systematic T&P Notice, Navarea Warnings and Navtex Warning file? Remarks if response is "No"	Grade - No		
01.02.07 - Does position fixing interval practiced on board take into consideration the distance from nearest navigational hazard? Remarks if response is "No"	Grade - Yes		
01.02.08 - Are weather forecasts/warnings taken regularly, actioned and filed for record? Remarks if response is "No"	Grade - Yes		

### Category: 01.03 - Watch keeping



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Question	Answer Details	Is Critical	Link
01.03.01a - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Check Synchronisation of clocks for Bridge and ER and engine movement recorder	Grade - Yes		
01.03.01b - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Steering tested on all modes before arrival port and recorded in log book? BPG 4.5.1	Grade - Yes		
01.03.01c - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Confirm all Rudder angle indicators are displaying correctly	Grade - Yes		
01.03.01d - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Check alignment of all Gyro compass repeaters (incl. Radar and AIS)	Grade - Yes		
01.03.01e - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Verify and record gyro error, if practical	Grade - Yes		
01.03.01f - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Confirm Main Engine RPM Indicators on the bridge are displaying correctly	Grade - Yes		
01.03.01g - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Test bridge-ER telegraph	Grade - Yes		
01.03.01h - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Test main engine and thrusters (if any) are operating in both directions and satisfactorily	Grade - Yes		
01.03.01i - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Test all modes of communication available between Steering Compartment, Engine Room, Emergency Maneuvering Station and Wheelhouse (including walkie-talkie radio)	Grade - Yes		
01.03.01j - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Check window wipers and clear view screens are operational	Grade - Yes		
01.03.01k - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Verify that Radar performance is satisfactory	Grade - Yes		
01.03.01l - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Conduct operational test of ship's whistle fore and aft (as applicable)	Grade - Yes		
01.03.01m - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Check PA System, walkie-talkie radio and General Alarm	Grade - Yes		
01.03.01n - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Check all Mooring winch and anchoring equipment operability	Grade - Yes		
01.03.01o - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Verify VDR is operational	Grade - Yes		



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Question	Answer Details	Is Critical	Link
01.03.01p - Are following equipment checks carried out well before arrival port and recorded in the Bridge Note Book - Complete the Pilot Card?	Grade - Yes		
01.03.02 - Is Manual Steering used during Departure and Arrival port and is it recorded in the log book?	Grade - Yes		
01.03.03 - Is Test of Steering done before Departure port and recorded in log book? (refer SOLAS)	Grade - Yes		
01.03.04a - Are the following carried out at least one hour before departure port or the soonest thereafter and recorded in the Bridge Note Book - Confirm with ER that required number of generators are in operation (minimum 2), for departure port.	Grade - Yes		
01.03.04b - Are the following carried out at least one hour before departure port or the soonest thereafter and recorded in the Bridge Note Book - Verify berth to berth passage plan is available	Grade - Yes		
01.03.04c - Are the following carried out at least one hour before departure port or the soonest thereafter and recorded in the Bridge Note Book - Verify Under Keel Clearance calculations have been completed correctly for the time of departure	Grade - Yes		
01.03.04d - Are the following carried out at least one hour before departure port or the soonest thereafter and recorded in the Bridge Note Book - Check charts for intended voyage are updated and available and courses plotted berth to berth	Grade - Yes		
01.03.04e - Are the following carried out at least one hour before departure port or the soonest thereafter and recorded in the Bridge Note Book - Notify crew about time of departure?	Grade - Yes		
01.03.05a - Navigation in Restricted Visibility - Is there record that Master is notified about restricted visibility?	Grade - No		
	NA		
01.03.05b - Navigation in Restricted Visibility - Is there a record of use of sound reception system in restricted visibility?	Grade - No		
	NA		
01.03.05c - Navigation in Restricted Visibility - Is there a record of use of fog signals in restricted visibility?	Grade - No		
	NA		
01.03.05d - Navigation in Restricted Visibility - Is there a record that additional lookouts are posted in restricted visibility?	Grade - No		
	NA		
01.03.05e - Navigation in Restricted Visibility - Does vessel proceed at safe speed in restricted visibility?	Grade - Yes		
01.03.05f - Navigation in Restricted Visibility - Is SMS Checklist used in restricted visibility and are records available in the log book?	Grade - Yes		
	NA		
01.03.06 - Is Echo Sounder scale used appropriate?	Grade - Yes		



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Question	Answer Details	Is Critical	Link
01.03.07 - Is Astronomical Navigation practiced by navigators at sufficient frequency to ensure that emergency position fixing can be achieved in case of failure of electronic navigational instruments?	Grade - Yes		
01.03.08 - Does magnetic compass deviation stated in the deviation card/table match closely with the actual deviations recorded in Compass Error Book?	Grade - Yes		
01.03.09 - Is compass error verified every watch at sea and additionally after any large alteration of course? Is verification of compass error recorded in the log book during each watch at sea and at anchor? If error is unobtainable, is this fact is recorded in the log book?	Grade - Yes		
01.03.10 - Is more than one method of position fixing used, wherever available?	Grade - Yes		
01.03.11 - Is watch handover procedure complied with? Is Checklist used for watch handover and recorded in log book each watch?	Grade - Yes		
01.03.12 - Do all watch keepers know and comply with relevant legislation related to navigational duties?	Grade - Yes		
01.03.13 - Are procedures for the Master to assume control from the duty officer complied? Is record is maintained in Bridge Note Book whenever Master takes over con and hands over con?	Grade - Yes		
01.03.14 - Is Navigation equipment checked prior to departure, during voyage and before approaching coastal and congested waters and entering port? Is SMS Checklist – Navigation, Coastal Waters and TSS used and recorded in log book?	Grade - Yes		
01.03.15 - Is ship reporting systems (certain geographical areas) complied with?	Grade - Yes		
01.03.16 - Is magnetic and gyro compasses compared at least each watch and recorded in the log book?	Grade - Yes		
01.03.17 - Are procedure and obligations for received distress messages complied with?			
01.03.18 - Are obligations in relation to SAR operations complied with?			
01.03.19 - Is the depth finder operated continuously when making a landfall and in coastal waters?			
01.03.20 - Is test of astern propulsion done before commencing manoeuvring or approaching port (whichever is earlier) and is it recorded in the log book?			
01.03.21 - Are all watch keeper provided a minimum rest period as per regulations?			
01.03.22 - Are records maintained of fire rounds being completed after each watch?			
01.03.23 - Is look out maintained at all times at sea? (One man bridge operation from sunset to sunrise is not permitted)			



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Question	Answer Details	Is Critical	Link
01.03.24 - Is there a record in the log book for completion of SMS Checklist – Daily tests and checks at noon, while the vessel is at sea?			
01.03.25 - Other Comments If response is No.			

## Category: 01.04 - Pilot age

Question	Answer Details	Is Critical	Link
01.04.01 - Are procedures for pilot boarding complied with?			
01.04.02 - Is Master / Pilot information exchange carried out in compliance with procedures?			
01.04.03 - If vessel has special features (e.g. flap rudder, thrusters, CP propellers characteristics), has specific limitations of these equipments been discussed with the pilot?			
01.04.04 - Other Comments If Response is No.			

## Category: 01.05 - Bridge Equipment

Question	Answer Details	Is Critical	Link
01.05.01a - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Radio lists	Grade - Yes		
01.05.01b - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Charts	Grade - Yes		
01.05.01c - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Sailing Directions	Grade - Yes		
01.05.01d - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Lists of Lights	Grade - Yes		
01.05.01e - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Notice to Mariners	Grade - Yes		
01.05.01f - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Tide Tables	Grade - Yes		
01.05.01g - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Chart Catalogue	Grade - Yes		
01.05.01h - Is up-to-date version of the following publication available and is each publication corrected to the latest BA NTM available on board? - Other Nautical Publications?	Grade - Yes		
01.05.02 - Are appropriate Charts and nautical publications available for the intended voyage?	Grade - Yes		
BPG 4.11.1			



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Question	Answer Details	Is Critical	Link
01.05.03 - Is the largest scale chart available and used for each passage?	Grade - Yes		
01.05.04 - Is last position transferred from previous chart to next chart?	Grade - Yes		
01.05.05 - Are all cancelled charts and/or cancelled publications removed from the wheelhouse or its vicinity?	Grade - Yes		
01.05.06 - Is Notice to Mariners available on board for the last 2 calendar years?	Grade - Yes		
01.05.07 - Is the echo sounder recorder marked with a reference date and time on each occasion it is switched on and for each significant event?	Grade - Yes		
01.05.08 - Is the course recorder kept on at all times, except when vessel is alongside berth?	Grade - Yes		
01.05.09 - Does vessel have at least two working GPS receivers (incl. one DGPS)?	Grade - Yes		
01.05.10 - Is GPS datum set to WGS84?	Grade - Yes		
01.05.11 - Are radar performance checks carried out each watch by shipboard personnel and recorded in the deck log book? (Vessels provided with a performance monitor shall record the value obtained and compare it to the original value.)	Grade - Yes		
01.05.12 - Is risk assessment of "Use of ECDIS for Navigation" conducted at least once every three months?	Grade - Yes		
01.05.13 - Is the static and dynamic information of AIS up-to-date at all times?	Grade - Yes		
01.05.14 - Is sound reception system working?	Grade - Yes		
01.05.15 - Is Autopilot operation on Transmitting Magnetic Compass tested every month and recorded in log book?	Grade - No		
01.05.16 - Are Master and Nav. Officers familiar with procedure for downloading VDR data?	Grade - Yes		
01.05.17 - When was last random download of VDR data required by office?	NA		
01.05.18 - Additional Navigational Items identified	Grade - No		
01.05.19 - Other Comments If Response is No.			

### Category: 01.06 - Documentation, Notices and Posters

Question	Answer Details	Is Critical	Link
01.06.01a - Are the following Registers and Logs maintained up-to-date on a regular basis? - Bridge Note Book (Movement or Bell Book)	Grade - Yes		





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Question	Answer Details	Is Critical	Link
01.06.01b - Are the following Registers and Logs maintained up-to-date on a regular basis? - Radar Maintenance Log	Grade - No		
01.06.01c - Are the following Registers and Logs maintained up-to-date on a regular basis? - Compass Error Observation Book	Grade - Yes		
01.06.01d - Are the following Registers and Logs maintained up-to-date on a regular basis? - Chronometer Rate Journal	NA		
01.06.01e - Are the following Registers and Logs maintained up-to-date on a regular basis? - GMDSS Log	Grade - Yes		
01.06.01f - Are the following Registers and Logs maintained up-to-date on a regular basis? - Master's Order Book	Grade - Yes		
01.06.01g - Are the following Registers and Logs maintained up-to-date on a regular basis? - Deck Log Book?	Grade - No		
01.06.02 - Is a record of navigation equipment checks made in the ship "Log Book" and are findings recorded? BPG 3.2.5	Grade - Yes		
01.06.03a - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Manning and provisioning, IMO Res. A 916(22)	Grade - Yes		
01.06.03b - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Cargo aboard, IMO Res. A 916(22)	Grade - Yes		
01.06.03c - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Draught, IMO Res. A 916(22)	Grade - Yes		
01.06.03d - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Result of stability/stress checks when conducted, IMO Res. A 916(22)	Grade - Yes		
01.06.03e - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Inspections of controls, IMO Res. A 916(22)	Grade - Yes		
01.06.03f - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Steering gear, IMO Res. A 916(22)	Grade - Yes		
01.06.03g - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Navigational equipment; and IMO Res. A 916(22)	Grade - Yes		
01.06.03h - Before commencing the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details of all data relating to the general condition of the ship, such as - Radio- communication equipment? IMO Res. A 916(22)	Grade - Yes		
01.06.04 - Has Master carried out random checks of Charts and Publication corrections and recorded the same in the log book?	Grade - Yes		



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Question	Answer Details	Is Critical	Link
01.06.05 - Has the ship-specific list of spaces that are required to be covered during safety rounds by lookout, identified by the Master and known to the Officer In-charge of a Navigational Watch and persons on lookout?	Grade - Yes		
01.06.06a - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - courses steered and distances sailed, IMO Res. A 916(22)	Grade - Yes		
01.06.06b - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - position fixings, IMO Res. A 916(22)	Grade - Yes		
01.06.06c - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - weather and sea conditions, IMO Res. A 916(22)	Grade - Yes		
01.06.06d - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - changes to the voyage plan, IMO Res. A 916(22)	Grade - Yes		
01.06.06e - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - details of pilots (including pilot's embarkation/disembarkation with name of pilot), IMO Res. A 916(22)	Grade - Yes		
01.06.06f - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - entry into areas covered by, and compliance with, ship routing or reporting systems, IMO Res. A 916(22)	Grade - Yes		
01.06.06g - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - Times of attendance and/or connection and disconnection of tugs	Grade - Yes		
01.06.06h - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - Times of berthing and un-berthing	Grade - Yes		
01.06.06i - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - hazardous occurrences and accidents	NA		
01.06.06j - During the voyage, are entries routinely made in log book and Bridge Note Book, as appropriate, for details related to the voyage should be recorded, such as - Manual Steering tested each watch?	Grade - Yes		
01.06.07a - On special events, are entries routinely made in log book and Bridge Note Book as appropriate, for details about special, such as - Death and injuries among passengers and crew and passengers,	NA		
01.06.07b - On special events, are entries routinely made in log book and Bridge Note Book as appropriate, for details about special, such as - Malfunctions of shipboard equipment and aids to navigation,	NA		



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Question	Answer Details	Is Critical	Link
01.06.07c - On special events, are entries routinely made in log book and Bridge Note Book as appropriate, for details about special, such as - Potentially hazardous situations,	NA		
01.06.07d - On special events, are entries routinely made in log book and Bridge Note Book as appropriate, for details about special, such as - Emergencies and distress messages received,	Grade - Yes		
01.06.07e - On special events, are entries routinely made in log book and Bridge Note Book as appropriate, for details about special, such as - SAR operations conducted?	NA		
01.06.08a - When the ship is at anchor or in a port, are entries routinely made in log book and Bridge Note Book, as appropriate, for operational matters, such as - cargo operations	Grade - Yes		
01.06.08b - When the ship is at anchor or in a port, are entries routinely made in log book and Bridge Note Book, as appropriate, for operational matters, such as - administrative matters	Grade - Yes		
01.06.08c - When the ship is at anchor or in a port, are entries routinely made in log book and Bridge Note Book, as appropriate, for operational matters, such as - safety and security of the ship should be recorded.	Grade - Yes		
01.06.08d - When the ship is at anchor or in a port, are entries routinely made in log book and Bridge Note Book, as appropriate, for operational matters, such as - anchor bearings and position?	Grade - Yes		
01.06.09 - Is Auto/Manual steering changeover procedure, in English, prominently displayed on the bridge?	Grade - Yes		
01.06.10 - Is emergency steering changeover procedure displayed on the bridge?	Grade - Yes		
01.06.11 - Are instructions and procedure for familiarisation in respect of bridge equipment, publications and procedures available? Is P&T Checklist 4.03a – Familiarisation with Bridge Equipment completed for each bridge watchkeeping officer and is it effective?	Grade - Yes		
01.06.12 - Is procedure to check navigation light failure alarm posted close to navigation light panel?	Grade - Yes		
01.06.13 - Is there a notice posted in the vicinity of the AIS instructing that it should be switched off at tanker terminals or be operating at low power?	Grade - Yes		
01.06.14 - Is there a notice posted in the vicinity of the VHF instructing that the VHF should be switched off at tanker terminals or be operating at low power?	Grade - Yes		
01.06.15 - Have all bridge watchkeeping officers acknowledged with signature the contents of “standards regarding watchkeeping” provided at the beginning of the Captain’s Night Order Book?	Grade - Yes		
01.06.16 - Are Standing Orders and daily Night Orders issued by the Master and is it acknowledged by all bridge watch keeping officer?	Grade - Yes		
01.06.17a - Does Master’s standing order clearly specify the following - The watch officer has unrestricted access to navigation systems?	Grade - Yes		



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Question	Answer Details	Is Critical	Link
01.06.17b - Does Master's standing order clearly specify the following - The watch officer has unrestricted access to communication systems?	Grade - Yes		
01.06.17c - Does Master's standing order clearly specify the following - the watch officer has unrestricted access to engines?	Grade - Yes		
01.06.18 - Has maneuvering information been posted in the wheelhouse?	Grade - Yes		
01.06.19 - Are bridge watch arrangements defined and prominently posted?	Grade - Yes		
01.06.20 - Are GMDSS operating guidance for Masters of Ships in Distress situations displayed on the Bridge?	Grade - Yes		
01.06.21 - Is the Distress Signal Table Displayed in the Wheelhouse?	Grade - Yes		
01.06.22 - Additional Navigational Items Identified	Grade - No		
01.06.23 - Other Comments if Response is No.			



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## Chapter: 02.00 - Navigation Equipment Questionnaire

### Category: 02.01 - Magnetic Compass

Question	Answer Details	Is Critical	Link
02.01.01 - Spare Magnetic Compass	Grade - Yes		
02.01.02 - Transmitting device & digital display	Grade - Yes		
02.01.03 - Azimuth circle for Magnetic compass	Grade - Yes		
02.01.04 - Spares for the compass etc (Bulb – Distilled water – Compass card etc)	Grade - Yes		
02.01.05 - Manual in English available?	Grade - Yes		
02.01.06 - Provide details for “not satisfactory” item above			

### Category: 02.02 - Gyro Compass

Question	Answer Details	Is Critical	Link
02.02.01 - Gyro Compass – 1	Grade - Yes		
02.02.02 - Gyro Compass - 2 (If Fitted)	Grade - Yes		
02.02.03 - Gyro Compass digital display	Grade - Yes		
02.02.04 - Repeaters (incl. steering compartment)	Grade - Yes		
02.02.05 - Azimuth Circle for Gyro compass	Grade - Yes		
02.02.06 - Manual in English available?	Grade - Yes		
02.02.07 - Provide details for “not satisfactory” item above			

### Category: 02.03 - Auto Pilot



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Question	Answer Details	Is Critical	Link
02.03.01 - On Gyro Compass	Grade - Yes		
02.03.02 - Off-Course Alarm	Grade - Yes		
02.03.03 - Magnetic compass data available	Grade - Yes		
02.03.04 - Magnetic Off-course alarm fitted	Grade - Yes		
02.03.05 - Auto pilot on Magnetic Compass	Grade - Yes		
02.03.06 - Manual in English Available	Grade - Yes		
02.03.07 - Provide details for "not satisfactory" item above			

## Category: 02.04 - Radar(s)

Question	Answer Details	Is Critical	Link
02.04.01 - When was radar performance last evaluated by a shore technician and found to be satisfactory?	NA		

## Category: 02.05 - Radar -1 ( X Band / S Band )

Question	Answer Details	Is Critical	Link
02.05.01 - ARPA (if fitted)	Grade - Yes		
02.05.02 - Speed input ( GPS / LOG / Both)	Grade - Yes		
02.05.03 - Performance Monitor (if fitted)	Grade - Yes		
02.05.04 - Manual in English Available	Grade - Yes		
02.05.05 - Provide details for "not satisfactory" item above			

## Category: 02.06 - Radar – 2 ( X Band / S Band )



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Question	Answer Details	Is Critical	Link
02.06.01 - ARPA (if fitted)	Grade - Yes		
02.06.02 - Speed input ( GPS / LOG / Both)	Grade - Yes		
02.06.03 - Performance Monitor (if fitted)	Grade - Yes		
02.06.04 - Manual in English Available	Grade - Yes		
02.06.05 - Provide details for "not satisfactory" item above			

## Category: 02.07 - Echo Sounder

Question	Answer Details	Is Critical	Link
02.07.01 - Echo Sounder - GPS input	Grade - Yes		
02.07.02 - Spare recording paper available	Grade - Yes		
02.07.03 - Manual in English available	Grade - Yes		
02.07.04 - Provide details for "not satisfactory" item above			

## Category: 02.08 - Depth Indicator

Question	Answer Details	Is Critical	Link
02.08.01 - Manual in English available	Grade - Yes		
02.08.02 - Provide details for "not satisfactory" item above			

## Category: 02.09 - Speed Log (Doppler/E M)

Question	Answer Details	Is Critical	Link
02.09.01 - Manual in English available	Grade - Yes		
02.09.02 - Provide details for "not satisfactory" item above			

## Category: 02.10 - Rudder Angle Indicators



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.10.01 - Manual in English available	Grade - Yes		

02.10.02 - Provide details for "not satisfactory" item above

## Category: 02.11 - Rate of Turn Indicator

Question	Answer Details	Is Critical	Link
02.11.01 - Manual in English available	Grade - Yes		

02.11.02 - Provide details for "not satisfactory" item above

## Category: 02.12 - GPS 1

Question	Answer Details	Is Critical	Link
02.12.01 - Manual in English available	Grade - Yes		

02.12.02 - Provide details for "not satisfactory" item above

## Category: 02.13 - GPS 2

Question	Answer Details	Is Critical	Link
02.13.01 - Manual in English available	Grade - Yes		

02.13.02 - Provide details for "not satisfactory" item above

## Category: 02.14 - Course Recorder (Ink/ Thermal type)

Question	Answer Details	Is Critical	Link
02.14.01 - Spare Recording Paper available	Grade - Yes		

02.14.02 - Manual in English available

Grade - Yes

02.14.03 - Provide details for "not satisfactory" item above

## Category: 02.15 - ECS or Approved ECDIS





# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.15.01 - Is ECDIS officially a primary or secondary NAV system?	Grade - Yes		
02.15.02 - Coverage Area	Grade - Yes		
02.15.03 - Correction CD's and back up CD's well stocked and safe	Grade - Yes		
02.15.04 - Manual in English available	Grade - Yes		
02.15.05 - Provide detail for not satisfactory item above			

## Category: 02.16 - AIS

Question	Answer Details	Is Critical	Link
02.16.01 - Low power operation	YES		
02.16.02 - Location within vicinity of person operating the radar	Grade - Yes		
02.16.03 - GPS (inbuilt or feed)	Grade - Yes		
02.16.04 - Manual in English available	Grade - Yes		
02.16.05 - Provide details for "not satisfactory" item above			

## Category: 02.17 - Navtex

Question	Answer Details	Is Critical	Link
02.17.01 - Printer	Grade - Yes		
02.17.02 - Spare Recording Paper available	Grade - Yes		
02.17.03 - Manual in English available	Grade - Yes		
02.17.04 - Provide details for "not satisfactory" item above			

## Category: 02.18 - Weather Fax Receiver



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.18.01 - Spare Recording Paper available	Grade - Yes		
02.18.02 - Manual in English available	Grade - Yes		
02.18.03 - Provide details for "not satisfactory" item above			

## Category: 02.19 - Anemometer (Fixed / Handheld)

Question	Answer Details	Is Critical	Link
02.19.01 - Manual in English available	Grade - Yes		
02.19.02 - Provide details for "not satisfactory" item above			

## Category: 02.20 - Weather Display System Fitted

Question	Answer Details	Is Critical	Link
02.20.01 - Manual in English available	Grade - Yes		
02.20.02 - Provide details for "not satisfactory" item above			

## Category: 02.21 - Navigation Light System

Question	Answer Details	Is Critical	Link
02.21.01 - Spare lamps and fuses available	Grade - Yes		
02.21.02 - Emergency power available and confirmed	Grade - Yes		
02.21.03 - Manual in English available	Grade - Yes		
02.21.04 - Provide details for "not satisfactory" item above			

## Category: 02.22 - ALDIS Lamp



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.22.01 - 24 Volt power available	Grade - Yes		
02.22.02 - Spare lamps available	Grade - Yes		
02.22.03 - Manual in English available			
02.22.04 - Provide details for "not satisfactory" item above			

## Category: 02.23 - Horn System (Forward and AFT)

Question	Answer Details	Is Critical	Link
02.23.01 - Manual in English available	Grade - Yes		
02.23.02 - Provide details for "not satisfactory" item above			

## Category: 02.24 - Conning Monitor Including Docking Approach Display etc

Question	Answer Details	Is Critical	Link
02.24.01 - Manual in English available	Grade - Yes		
02.24.02 - Provide details for "not satisfactory" item above			

## Category: 02.25 - VDR/SVDR

Question	Answer Details	Is Critical	Link
02.25.01 - Software backup available	Grade - Yes		
02.25.02 - Details of all the data connections available to the VDR	Grade - Yes		
02.25.03 - Manual in English available	Grade - Yes		
02.25.04 - Provide details for "not satisfactory" item above			

## Category: 02.26 - Ship Security Alarm System



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.26.01 - Manual in English available			
02.26.02 - Provide details for "not satisfactory" item above			

## Category: 02.27 - MF/ HF DSC - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Printer Unit

Question	Answer Details	Is Critical	Link
02.27.01 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Grade - Yes Printer Unit - Spare Printer Paper available			
02.27.02 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Grade - Yes Printer Unit - GPS data feed			
02.27.03 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Grade - Yes Printer Unit - Manual in English available			
02.27.04 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Printer Unit - Provide details for "not satisfactory" item above			

## Category: 02.28 - SATCOM – C - Including Display unit , MES unit , Antenna unit , Printer unit

Question	Answer Details	Is Critical	Link
02.28.01 - Including Display unit , MES unit , Antenna unit , Printer unit - Spare Printer Paper available	Grade - Yes		
02.28.02 - Including Display unit , MES unit , Antenna unit , Printer unit - GPS data feed	Grade - Yes		
02.28.03 - Including Display unit , MES unit , Antenna unit , Printer unit - Manual in English available	Grade - Yes		
02.28.04 - Including Display unit , MES unit , Antenna unit , Printer unit - Provide details for "not satisfactory" item above			

## Category: 02.29 - Satcom

Question	Answer Details	Is Critical	Link
02.29.01 - Spare Printer Paper available	Grade - Yes		
02.29.02 - GPS data feed	Grade - Yes		
02.29.03 - Manual in English available	Grade - Yes		
02.29.04 - Provide details for "not satisfactory" item above			

## Category: 02.30 - VHF DSC



# Maritec Tanker Management Private Limited

Vessel - Bitu River (IMO: 9918133)

Question	Answer Details	Is Critical	Link
02.30.01 - Manual in English available	Grade - Yes		
02.30.02 - Provide details for "not satisfactory" item above			

## Category: 02.31 - VHF

Question	Answer Details	Is Critical	Link
02.31.01 - Manual in English available	Grade - Yes		
02.31.02 - Provide detail for not satisfactory item above			

## Category: 02.32 - EPIRB

Question	Answer Details	Is Critical	Link
02.32.01 - Annual Service	Grade - Yes		
02.32.02 - Manual in English available	Grade - Yes		
02.32.03 - Provide details for "not satisfactory" item above			

## Category: 02.33 - SART

Question	Answer Details	Is Critical	Link
02.33.01 - Manual in English available	Grade - Yes		
02.33.02 - Provide details for "not satisfactory" item above			

## Category: 02.34 - Explosion Proof Walkie Talkies (for common use)

Question	Answer Details	Is Critical	Link
02.34.01 - Battery(s)	Grade - Yes		
02.34.02 - Charger	Grade - Yes		
02.34.03 - Manual in English available	Grade - Yes		
02.34.04 - Provide details for "not satisfactory" item above			



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Vessel - Bitu River (IMO: 9918133)

## Category: 02.35 - Other Equipment

Question	Answer Details	Is Critical	Link
02.35.01 - Other Comments			