



# Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

Inspection Type M 3.50 Navigation Audit

Inspection Date 31 Aug 2022

Inspector Fiacre Fonseca

From Port Lome

To Port Lome

Hours Onboard 45 H

Avg Audit Findings 52 %

No of NCRs 1

No of observation 7



## Crew Interview & Attendance Record

| Staff Name | Rank | Remarks |
|------------|------|---------|
|------------|------|---------|

**Auditor Signature**

\_\_\_\_\_  
Fiacre Fonseca



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## Negative Findings

| Defect ID | Chapter | Category | Question | Answer Details | Is Critical | Status | Link |
|-----------|---------|----------|----------|----------------|-------------|--------|------|
|-----------|---------|----------|----------|----------------|-------------|--------|------|

## Additional NCRs

| Defect ID | NCR No  | Observations  | Date of Disposition | Status    |
|-----------|---------|---|---------------------|-----------|
| 254       | 19/2022 | Passage Plan from Lome Anchorage to berth not available | 01 Sep 2022         | Completed |

## Additional Observations

| Defect ID | Observations   | Date of Disposition | Status    |
|-----------|--|---------------------|-----------|
| 255       | Watch Level conditions not met Lookout not posted when AB used as Helmsman   | 06 Oct 2022         | Completed |
| 256       | No Navtex warnings were showing on Navtex Equipment, but available on ECDIS  | 06 Oct 2022         | Completed |
| 257       | NP 133C not updated  | 11 Sep 2022         | Completed |
| 258       | OOW not aware of action in case of Gyro failure, Vessel has only one Gyro. Gyro to Magnetic not tested / tried out | 04 Oct 2022         | Completed |
| 259       | Quadrant Pen in wrong position in Course Recorder  | 06 Sep 2022         | Completed |
| 260       | OOW not aware of when master required to be called on Bridge   | 03 Sep 2022         | Completed |
| 261       | ECDIS Failure drill unsatisfactory, Explained to master to redo the drill  | 14 Sep 2022         | Completed |

## Positive / Neutral Findings



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## 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 - No     |             |      |

### 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 - No     |             |      |
| 01.02.02 - Is Passage Plan Appraisal checklist prepared by the Navigating Officer and verified by the Master? Remarks if response is "No"  | Grade - No     |             |      |
| 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 - No     |             |      |
| 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 - Yes    |             |      |
| 01.02.06 - Does the vessel maintain a systematic T&P Notice, Navarea Warnings and Navtex Warning file? Remarks if response is "No"   | Grade - Yes    |             |      |
| 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?  |                |             |      |
| 01.03.05b - Navigation in Restricted Visibility - Is there a record of use of sound reception system in restricted visibility?  |                |             |      |
| 01.03.05c - Navigation in Restricted Visibility - Is there a record of use of fog signals in restricted visibility?   |                |             |      |
| 01.03.05d - Navigation in Restricted Visibility - Is there a record that additional lookouts are posted in restricted visibility?   |                |             |      |
| 01.03.05e - Navigation in Restricted Visibility - Does vessel proceed at safe speed in restricted visibility?   |                |             |      |
| 01.03.05f - Navigation in Restricted Visibility - Is SMS Checklist used in restricted visibility and are records available in the log book?   |                |             |      |
| 01.03.06 - Is Echo Sounder scale used appropriate?  | Grade - Yes    |             |      |
| 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    |             |      |



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| Question   | Answer Details | Is Critical | Link |
|--|----------------|-------------|------|
| 01.03.09 - Is compass error verified every watch at sea and additionally after any large alteration of course?<br>Is verification of compass error recorded in the log book during each watch at sea and at anchor?<br>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?<br>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?<br>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?<br>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?   | Grade - Yes    |             |      |
| 01.03.18 - Are obligations in relation to SAR operations complied with?  | Grade - Yes    |             |      |
| 01.03.19 - Is the depth finder operated continuously when making a landfall and in coastal waters?   | Grade - Yes    |             |      |
| 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?  | Grade - Yes    |             |      |
| 01.03.21 - Are all watch keeper provided a minimum rest period as per regulations?   | Grade - Yes    |             |      |
| 01.03.22 - Are records maintained of fire rounds being completed after each watch?   | Grade - Yes    |             |      |
| 01.03.23 - Is look out maintained at all times at sea?<br>(One man bridge operation from sunset to sunrise is not permitted)   | Grade - Yes    |             |      |
| 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?   | Grade - Yes    |             |      |
| 01.03.25 - Other Comments If response is No.   |                |             |      |

## Category: 01.04 - Pilot age



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| Question  | Answer Details | Is Critical | Link |
|---|----------------|-------------|------|
| 01.04.01 - Are procedures for pilot boarding complied with?   | Grade - Yes    |             |      |
| 01.04.02 - Is Master / Pilot information exchange carried out in compliance with procedures?  | Grade - Yes    |             |      |
| 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? | Grade - Yes    |             |      |
| 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 - No     |             |      |
| 01.05.02 - Are appropriate Charts and nautical publications available for the intended voyage?<br>BPG 4.11.1   | Grade - Yes    |             |      |
| 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    |             |      |



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|--|----------------|-------------|------|
| 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?   |                |             |      |
| 01.05.18 - Additional Navigational Items identified  | Grade - Yes    |             |      |
| 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    |             |      |
| 01.06.01b - Are the following Registers and Logs maintained up-to-date on a regular basis? - Radar Maintenance Log                    | Grade - Yes    |             |      |
| 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                 |                |             |      |
| 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    |             |      |





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|--|----------------|-------------|------|
| 01.06.01g - Are the following Registers and Logs maintained up-to-date on a regular basis? - Deck Log Book?  | Grade - Yes    |             |      |
| 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 - No     |             |      |
| 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    |             |      |



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| 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 routeing 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  |                |             |      |
| 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,   | Grade - Yes    |             |      |
| 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,  | Grade - Yes    |             |      |
| 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,  |                |             |      |
| 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?  |                |             |      |
| 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    |             |      |



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| 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?<br>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    |             |      |
| 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    |             |      |



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| Question  | Answer Details | Is Critical | Link |
|---|----------------|-------------|------|
| 01.06.22 - Additional Navigational Items Identified | Grade - Yes    |             |      |
| 01.06.23 - Other Comments if Response is No.        |                |             |      |



# Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

## 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)                      |                |             |      |
| 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 - No     |             |      |
| 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? |                |             |      |

## 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



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Vessel - Bitu Express (IMO: 9265689)

| 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





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## Vessel - Bitu Express (IMO: 9265689)

| 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 - No     |             |      |
| 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



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Vessel - Bitu Express (IMO: 9265689)

| 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 Express (IMO: 9265689)

| 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                       | Grade - Yes    |             |      |
| 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

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



# Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

## 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<br>Printer Unit - Spare Printer Paper available         | Grade - Yes    |             |      |
| 02.27.02 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Grade - Yes<br>Printer Unit - GPS data feed                         | Grade - Yes    |             |      |
| 02.27.03 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit , Grade - Yes<br>Printer Unit - Manual in English available           | Grade - Yes    |             |      |
| 02.27.04 - Including the Desktop unit , LCD Display unit , Transmitter unit , Charger unit ,<br>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<br>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<br>English available                       | Grade - Yes    |             |      |
| 02.28.04 - Including Display unit , MES unit , Antenna unit , Printer unit - Provide details<br>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

| 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 |                |             |      |



# Maritec Tanker Management Private Limited

Vessel - Bitu Express (IMO: 9265689)

## 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                       |                |             |      |
| 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 |                |             |      |

## Category: 02.35 - Other Equipment

| Question                  | Answer Details | Is Critical | Link |
|---------------------------|----------------|-------------|------|
| 02.35.01 - Other Comments |                |             |      |