

Remarks

Vessel - Bitu Express (IMO: 9265689)

Rank

Inspection Type 025 - Navigational Verification Assessment

Inspection Date 17 Sep 2019

Inspector Roshan D'souza

From Port Tarragona

To Port Tarragona

Hours Onboard 3 H

Avg Audit Findings 73 %

No of NCRs 0

No of observation 0

Staff Name

Crew Interview & Attendance Record



Auditor Signature	
Roshan D'souza	



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Defect ID Chapter Category Question Answer Details Is Critical Status Link

Additional NCRs

Defect ID NCR No Observations Date of Disposition Status

Additional Observations

Defect ID Observations Date of Disposition Status

Positive / Neutral Findings					
Chapter	Category	Question	Answer Details	Is Critical	Link
Assessment	01.01 - Procedures/Documentation	01.01.01 - Bridge team knowledge/understanding and implementation of Company's navigation policy	Grade - Very Good Answer Remark : In compliance with Company Policy	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02a - OOW taking over and performing a bridge watch	Grade - Very Good Answer Remark :	No	
Assessment	01.01 - Procedures/Documentation	01.01.02b - Duties of watchkeeping	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02c - Circumstances when the Master must be called	Grade - Very Good Answer Remark : As per Standing orders	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02d - Taking the con	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02e - Operating condition of navigation equipment	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02f - Availability of all essential navigation equipment	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02g - Maintenance, tests, familiarisation with navigation equipment	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02h - Ship position reporting	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02i - Recording of voyage events	Grade - Average Answer Remark : Bell book record keeping can be improved	No	



Chapter	Category	Question	Answer Details	Is Critical Link	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02j - Minimum underkeel clearance and squat	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02k - Correct maintenance of deck log books, engine bell books, radar log book and recording of all navigation activities both at sea and under pilotage	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02l - Navtex / Speed and distance indicator	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.02m - Proper notice and filing of navigational warnings and weather reports	Grade - Very Good Answer Remark : By all Navigational officers	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.02n - Equipment testing and recording before the arrival and departure	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.03 - Pre-arrival, pre-departure, watch hand over and pilot-Master interchange checklists	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation		Grade - Very Good Answer Remark : Security rounds included	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.05 - Auto to manual steering change over and recording	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.06 - Master's standing and night orders, countersigning and understanding	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.07 - Gyro and magnetic compass errors being taken and record	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.08 - Magnetic compass error to agree with deviation card	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.09 - Underkeel clearance	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.10 - Squat	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.11 - Watch conditions	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.12 - Navigation in coastal waters and traffic separation schemes	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.13 - Navigation in narrow waters and straits		No	
	01.01 - Procedures/Documentation	01.01.14 - Navigation in restricted visibility	Grade - Very Good Answer Remark :	No	
	01.01 - Procedures/Documentation	01.01.15 - Navigation in heavy weather and tropical storms	Grade - Very Good Answer Remark :	No	



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification Assessment	01.01 - Procedures/Documentation	01.01.16 - Navigation in ice		No	
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.17 - Position fixing in defined	Grade - Very Good	No	
Assessment		periods.	Answer Remark :		
			As per defined in the Passage plan		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.18 - Noon position, arrival, departure		No	
Assessment		reports	Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.19 - Pilotage (Master/pilot interface).	Grade - Very Good	No	
Assessment			Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.20 - Working with tugs	Grade - Very Good	No	
Assessment			Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.21 - Steering procedures and the	Grade - Very Good	No	
Assessment		use of auto pilot	Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.22 - Safety and fire patrols	Grade - Very Good	No	
Assessment			Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.23 - Anchoring	Grade - Very Good	No	
Assessment			Answer Remark :		
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.24 - Masters Navigational Audit	Grade - Very Good	No	
Assessment			Answer Remark :		
			Last done on 26th Feb 2019		
01.00 - Navigational Verification	01.02 - Bridge Team Management	01.02.01 - Appropriate watch conditions	Grade - Very Good	No	
Assessment			Answer Remark :		
			Watch schedule posted		
	01.02 - Bridge Team Management	01.02.02 - Assignment of tasks to team	Grade - Very Good	No	
Assessment		members	Answer Remark :		
	01.02 - Bridge Team Management	01.02.03 - Bridge manning	Grade - Very Good	No	
Assessment			Answer Remark :		
01.00 - Navigational Verification	01.02 - Bridge Team Management	01.02.04 - Management of stress and	Grade - Very Good	No	
Assessment		distractions	Answer Remark :		
	01.02 - Bridge Team Management	01.02.05 - Team environment.	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.06 - Bridge team / pilot information	Grade - Very Good	No	
Assessment		exchange	Answer Remark :		
	01.02 - Bridge Team Management	01.02.07 - Formulation, usage, monitoring	Grade - Very Good	No	
Assessment		of passage plans	Answer Remark :		
	01.02 - Bridge Team Management	01.02.08 - Compliance with passage plan	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.09 - Identification of training needs	Grade - Average	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.10 - Familiarity with duties and	Grade - Very Good	No	
Assessment		responsibilities	Answer Remark :		



Chapter	Category	Question	Answer Details	Is Critical	Link
	01.02 - Bridge Team Management	01.02.11 - Ability to communicate and	Grade - Very Good	No	
Assessment		cooperate	Answer Remark :		
	01.02 - Bridge Team Management	01.02.12 - Sharing of workload	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.13 - Constant awareness of	Grade - Very Good	No	
Assessment		situations like traffic, visibility, etc	Answer Remark :		
	01.02 - Bridge Team Management	01.02.14 - Exchange of information "up	Grade - Very Good	No	
Assessment		and down"	Answer Remark :		
	01.02 - Bridge Team Management	01.02.15 - Communication, external and	Grade - Very Good	No	
Assessment		internal	Answer Remark :		
	01.02 - Bridge Team Management	01.02.16 - Operational and emergency	Grade - Very Good	No	
Assessment		checklists	Answer Remark :		
_	01.02 - Bridge Team Management	01.02.17 - Bridge team assistance to work		No	
Assessment		within the team	Answer Remark :		
	01.02 - Bridge Team Management	01.02.18 - Bridge team apprise of conning	Grade - Very Good	No	
Assessment		Officer of intended maneuvers	Answer Remark :		
	01.02 - Bridge Team Management	01.02.19 - Announcement of the "Order" to		No	
Assessment		those present on the bridge	Answer Remark :		
	01.02 - Bridge Team Management	01.02.20 - Physical condition of bridge	Grade - Very Good	No	
Assessment		team	Answer Remark :		
	01.02 - Bridge Team Management	01.02.21 - Knowledge by bridge team	Grade - Very Good	No	
Assessment		member the concept of "BTM"	Answer Remark :		
	01.02 - Bridge Team Management	01.02.22 - "One man error" / error chain	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.23 - Foresight and planning	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.24 - Challenge of decisions - orders		No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.25 - Feedback of conning Officer	Grade - Very Good	No	
Assessment		with information from other team members	Answer Remark :		
	01.02 - Bridge Team Management	01.02.26 - Understanding and application	Grade - Very Good	No	
Assessment		of navigation priorities	Answer Remark :		
	01.02 - Bridge Team Management	01.02.27 - Wellbeing	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.28 - Moral	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.29 - Proper con	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.30 - Look out	Grade - Very Good	No	
Assessment			Answer Remark :		
	01.02 - Bridge Team Management	01.02.31 - Manning the wheel	Grade - Very Good	No	
Assessment			Answer Remark :		



01.00 - Navigational Verification 01.02 - Bridge Team Management 01.02.32 - Bridge team briefing before start Grade - Very Good Assessment Answer Remark :	
01.00 - Navigational Verification 01.02 - Bridge Team Management 01.02.33 - Back-up / contingency Grade - Very Good No	
Assessment procedures / practices in place Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.01 - Plan (berth to berth) preparation Grade - Very Good No	
Assessment safety by Navigating Officer, approved by the Answer Remark : Master and countersigned by all OOBW	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.02 - Use of appropriate charts and Grade - Very Good No	
Assessment safety publications for the intended voyage Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03a - Should be marked on the chart Grade - Very Good No	
Assessment safety - Parallel Indexing Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03b - Should be marked on the chart No	
Assessment safety - Chart changes	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03c - Should be marked on the chart Grade - Very Good No	
Assessment safety - Methods and frequency of position fixing Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03d - Should be marked on the chart Grade - Very Good No	
Assessment safety - No go areas Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03e - Should be marked on the chart Grade - Average No	
Assessment safety - Landfall targets and lights Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03f - Should be marked on the chart Grade - Average No	
Assessment safety - Clearing lines and bearings Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03g - Should be marked on the chart Grade - Very Good No	
Assessment safety - Transits, heading marks and leading lines Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03h - Should be marked on the chart Grade - Average No	
Assessment safety - Significant tides or currents Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03i - Should be marked on the chart Grade - Very Good No	
Assessment safety - Safe speed and necessary alterations Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03j - Should be marked on the chart Grade - Very Good No	
Assessment safety - Changes in machinery status. Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03k - Should be marked on the chart Grade - Very Good No	
Assessment safety - U.K.C Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03l - Should be marked on the chart Grade - Very Good No	
Assessment safety - Echo sounder activation position Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03m - Should be marked on the Grade - Very Good No	
Assessment safety chart - Crossing and high density areas Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03n - Should be marked on the chart Grade - Very Good No	
Assessment safety - Anchor clearance Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.030 - Should be marked on the chart Grade - Very Good No	
Assessment safety - Contingency plans Answer Remark :	
01.00 - Navigational Verification 01.03 - Passage Plan and Navigation 01.03.03p - Should be marked on the chart Grade - Very Good No	
Assessment safety - Abort position Answer Remark :	



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification		01.03.03q - Should be marked on the chart		No	
Assessment	safety	- VTS and reporting points, etc	Answer Remark :		
01.00 - Navigational Verification	•	01.03.03r - Should be marked on the chart		No	
Assessment	safety	- Course alterations	Answer Remark :		
01.00 - Navigational Verification		01.03.04 - Methods of position fixing and	Grade - Very Good	No	
Assessment	safety	frequency of plotted fixes according to the passage plan	Answer Remark :		
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.05 - Understanding of the capability	Grade - Very Good	No	
Assessment	safety	and limitation of navigational aids and systems	Answer Remark :		
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.06 - Performance monitoring of all	Grade - Very Good	No	
Assessment	safety	navigational aids and systems	Answer Remark :		
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.07 - Use of echo sounder	Grade - Very Good	No	
Assessment	safety		Answer Remark :		
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.08 - Use of dead reckoning	Grade - Average	No	
Assessment	safety	techniques	Answer Remark :		
			Verified theoretically		
01.00 - Navigational Verification		01.03.09 - Position fixes cross checking	Grade - Very Good	No	
Assessment	safety		Answer Remark :		
01.00 - Navigational Verification		01.03.10 - Use of visual navigation aids	Grade - Very Good	No	
Assessment	safety		Answer Remark :		
01.00 - Navigational Verification		01.03.11 - Monitoring of safe progress of	Grade - Very Good	No	
Assessment	safety	the ship along the planned tracks of	Answer Remark :		
		passage plan			
01.00 - Navigational Verification	01.04 - Marks and Publications	01.04.01 - Records of charts and	Grade - Very Good	No	
Assessment		publications	Answer Remark :		
01.00 - Navigational Verification	01.04 - Marks and Publications			No	
Assessment		effected for charts and publications	Answer Remark :		
01.00 - Navigational Verification Assessment		01.04.03 - Charts condition (hard copies).		No	
01.00 - Navigational Verification	01.04 - Marks and Publications	01.04.04 - Correction of all Paper of		No	
Assessment		electronic Charts for the Intended Voyage			
01.00 - Navigational Verification	01.04 - Marks and Publications	01.04.05 - Notices to Mariners (NTM)	Grade - Average	No	
Assessment		adequate with the charts	Answer Remark :		
01.00 - Navigational Verification	01.04 - Marks and Publications	01.04.06 - Comprehension of chart's	Grade - Very Good	No	
Assessment		Correction	Answer Remark :		
01.00 - Navigational Verification	01.04 - Marks and Publications	01.04.07 - Last NTM Onboard	Grade - Very Good	No	
Assessment			Answer Remark :		
			Wk 37		



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification	01.04 - Marks and Publications		Grade - Very Good	No	
Assessment		lights, tide tables, sailing directions,	Answer Remark :		
		nautical almanacs, annual summary of	Digital publications on board		
		NTM, chart catalogues			
01.00 - Navigational Verification			Grade - Very Good	No	
Assessment	Planning/Charts	of bridge team with ECDIS and IBS	Answer Remark :		
01.00 - Navigational Verification		01.05.02 - Adequacy of ECDIS operating	Grade - Very Good	No	
Assessment	Planning/Charts	procedures onboard	Answer Remark :		
01.00 - Navigational Verification		01.05.03 - Mode of ECDIS operation in use		No	
Assessment	Planning/Charts	onboard	Answer Remark :		
01.00 - Navigational Verification			Grade - Very Good	No	
Assessment	Planning/Charts	purposes either as the Primary or	Answer Remark :		
		Secondary means			
01.00 - Navigational Verification		01.05.05 - Specify the ECDIS back up	Grade - Very Good	No	
Assessment	Planning/Charts	arrangements onboard	Answer Remark :		
01.00 - Navigational Verification			Grade - Very Good	No	
Assessment	Planning/Charts	watch-keepers in the use of ECDIS	Answer Remark :		
01.00 - Navigational Verification		01.05.07 - Training in ECDIS (generic /	Grade - Very Good	No	
Assessment	Planning/Charts	type specific), Electronic charts, AIS, IBS	Answer Remark :		
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.08 - Awareness about the actions	Grade - Very Good	No	
Assessment	Planning/Charts	required in case of identified ECDIS failure	Answer Remark :		
01.00 - Navigational Verification		01.05.09 - Electronic charts condition (up	Grade - Very Good	No	
Assessment	Planning/Charts	to date)	Answer Remark :		
			wk 37		
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.10 - ADMIRALITY Information	Grade - Very Good	No	
Assessment	Planning/Charts	Overlay (AIO) in use	Answer Remark :		
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.11 - README.TXT file in use	Grade - Average	No	
Assessment	Planning/Charts		Answer Remark :		
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.12 - Controlling operational	Grade - Very Good	No	
Assessment	Planning/Charts	parameter entries in the system (draft, air	Answer Remark :		
		draft, turning rate, UKC, distance, etc.)			
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.13 - GPS position system input	Grade - Very Good	No	
Assessment	Planning/Charts	(WGS 84).	Answer Remark :		
01.00 - Navigational Verification	01.05 - Electronic Passage	01.05.14 - ECDIS alarm operation	Grade - Very Good	No	
Assessment	Planning/Charts	condition	Answer Remark :		
01.00 - Navigational Verification		01.05.15 - Adequate E/C coverage for	Grade - Very Good	No	
Assessment	Planning/Charts	intended voyage	Answer Remark :		
01.00 - Navigational Verification			Grade - Very Good	No	
Assessment	Planning/Charts	3 3 3 3	Answer Remark :		
01.00 - Navigational Verification		01.05.17 - Voyage simulation before	Grade - Very Good	No	
Assessment	Planning/Charts	voyage starts	Answer Remark :		



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.18 - Marking of estimating position for each watch, in advance	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.19 - Cross check of ECDIS position fixing by the use of other means	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.20 - Monitoring of gyro compass, speed log, echo sounder and other electronic equipment data input to the system	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.21 - Use & Understanding of CATZOC in ECDIS	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.22 - Use Of ADP's & ENP's	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.23 - Use of BNWAS	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.05 - Electronic Passage Planning/Charts	01.05.24 - Other Comments		No	