

#### Vessel - Bitu Express (IMO: 9265689)

Staff Name		Rank	Remarks		
Crew Interview & Atter	ndance Record				
No of observation	0				
No of NCRs	0				
Avg Audit Findings	73 %				
Hours Onboard	3 H				
To Port	Tarragona				
From Port	Tarragona				1 July
Inspector	Roshan D'souza			¥ 1	
Inspection Date	17 Sep 2019				
Inspection Type	025 - Navigational Verifi Assessment	cation			

Staff Name

Remarks

Auditor Signature

Roshan D'souza



Defect ID	Chapter	Catagony	Question	Answer Details		s Critical	Status	Link
Defect ID	Chapter	Category (	luestion	Answer Details	IS	s Critical	Status	LINK
Additional I	NCRs							
Defect ID	NCR No	Observations			Date of Disposit	ion	Sta	tus
Additional	Observations							
Defect ID	Observations				Date of Disposition		Sta	tus
Positive / N	leutral Findings							
Chapter		Category	Question		Answer Details		Is Critical	Link
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	knowledge/underst		Grade - Very Good Answer Remark : In compliance with Company Policy		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat			Grade - Very Good Answer Remark :		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	ion 01.01.02b - Duties	of watchkeeping	Grade - Very Good Answer Remark :		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documental	ion 01.01.02c - Circum Master must be ca		Grade - Very Good Answer Remark : As per Standing orders		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	ion 01.01.02d - Taking	the con	Grade - Very Good Answer Remark :		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	ion 01.01.02e - Operat navigation equipme		Grade - Very Good Answer Remark :		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	ion 01.01.02f - Availab navigation equipme		Grade - Very Good Answer Remark :		No	
Assessment		01.01 - Procedures/Documentat	familiarisation with	nance, tests, navigation equipment	Grade - Very Good Answer Remark :		No	
Assessment		01.01 - Procedures/Documentat			Grade - Very Good Answer Remark :		No	
01.00 - Navig Assessment	ational Verification	01.01 - Procedures/Documentat	ion 01.01.02i - Record	ling of voyage events	Grade - Average Answer Remark : Bell book record keeping can be impr	roved	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
	01.01 - Procedures/Documentation	01.01.02k - Correct maintenance of deck	Grade - Very Good	No
Assessment		log books, engine bell books, radar log book and recording of all navigation activities both at sea and under pilotage	Answer Remark :	
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.02I - Navtex / Speed and distance indicator	Grade - Very Good Answer Remark :	No
	01.01 - Procedures/Documentation	01.01.02m - Proper notice and filing of	Grade - Very Good	No
Assessment		navigational warnings and weather reports	Answer Remark :	110
			By all Navigational officers	
01.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.02n - Equipment testing and recording before the arrival and departure	Grade - Very Good Answer Remark :	No
	01.01 - Procedures/Documentation	01.01.03 - Pre-arrival, pre-departure,	Grade - Very Good	No
Assessment		watch hand over and pilot-Master interchange checklists	Answer Remark :	NO
1.00 - Navigational Verification	01.01 - Procedures/Documentation		Grade - Very Good	No
Assessment		watch	Answer Remark :	
			Security rounds included	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.05 - Auto to manual steering change		No
Assessment		over and recording	Answer Remark :	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.06 - Master's standing and night	Grade - Very Good	No
Assessment		orders, countersigning and understanding	Answer Remark :	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.07 - Gyro and magnetic compass	Grade - Very Good	No
Assessment		errors being taken and record	Answer Remark :	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.08 - Magnetic compass error to	Grade - Very Good	No
ssessment		agree with deviation card	Answer Remark :	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.09 - Underkeel clearance	Grade - Very Good	No
ssessment			Answer Remark :	
1.00 - Navigational Verification	01.01 - Procedures/Documentation	01.01.10 - Squat	Grade - Very Good	No
Assessment			Answer Remark :	
	01.01 - Procedures/Documentation	01.01.11 - Watch conditions	Grade - Very Good	No
Assessment			Answer Remark :	
	01.01 - Procedures/Documentation	01.01.12 - Navigation in coastal waters	Grade - Very Good	No
Assessment		and traffic separation schemes	Answer Remark :	
	01.01 - Procedures/Documentation	0		No
Assessment		straits	Answer Remark :	
	01.01 - Procedures/Documentation	01.01.14 - Navigation in restricted visibility	Grade - Very Good	No
Assessment			Answer Remark :	
	01.01 - Procedures/Documentation	01.01.15 - Navigation in heavy weather	Grade - Very Good	No
Assessment		and tropical storms	Answer Remark :	



Chapter	Category	Question	Answer Details	Is Critical	Link
Assessment	01.01 - Procedures/Documentation	01.01.16 - Navigation in ice		No	
	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		
	01.01 - Procedures/Documentation	01.01.18 - Noon position, arrival, departure		No	
Assessment		reports	Answer Remark :	NI -	
	01.01 - Procedures/Documentation	01.01.19 - Pilotage (Master/pilot interface).	Grade - Very Good	No	
Assessment	01.01 Dress dures /Desures station	01.01.00 Marking with ture	Answer Remark : Grade - Very Good	No	
Assessment	01.01 - Procedures/Documentation	01.01.20 - Working with tugs		INO	
	01.01 - Procedures/Documentation	01.01.21 - Steering procedures and the	Answer Remark : Grade - Very Good	No	
Assessment		use of auto pilot	Answer Remark :	INO	
	01.01 - Procedures/Documentation	01.01.22 - Safety and fire patrols	Grade - Very Good	No	
Assessment			Answer Remark :	NO	
	01.01 - Procedures/Documentation	01.01.23 - Anchoring	Grade - Very Good	No	
Assessment		on on 20 7 alonoming	Answer Remark :		
	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 :		
	01.02 - 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	01.02 Dridge Teen Menegement	exchange	Answer Remark :	Na	
Assessment	01.02 - Bridge Team Management	01.02.07 - Formulation, usage, monitoring	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	of passage plans 01.02.08 - Compliance with passage plan	Grade - Very Good	No	
Assessment	01.02 - Dhuge Team Management	01.02.00 - Compliance with passage plan	Answer Remark :	INU	
	01.02 - Bridge Team Management	01.02.09 - Identification of training needs	Grade - Average	No	
Assessment	o 1.02 - Dhage Team Management	or.oz.oo - identification of training fields	Answer Remark :	NO INC	
		01.02.10 - Familiarity with duties and	Grade - Very Good	No	
01.00 - Navigational Verification	01 02 - Bridge Leam Management	01 02 10 - Familiarity with duties and		INO	



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification Assessment	01.02 - Bridge Team Management	01.02.11 - Ability to communicate and cooperate	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.02 - Bridge Team Management	01.02.12 - Sharing of workload	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.13 - Constant awareness of situations like traffic, visibility, etc	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification	01.02 - Bridge Team Management	01.02.14 - Exchange of information "up	Grade - Very Good	No	
	01.02 - Bridge Team Management	and down" 01.02.15 - Communication, external and	Answer Remark : Grade - Very Good	No	
Assessment 01.00 - Navigational Verification	01.02 - Bridge Team Management	internal 01.02.16 - Operational and emergency	Answer Remark : Grade - Very Good	No	
Assessment 01.00 - Navigational Verification	01.02 - Bridge Team Management	checklists 01.02.17 - Bridge team assistance to work	Answer Remark : Grade - Very Good	No	
Assessment	01.02 - Bridge Team Management	within the team 01.02.18 - Bridge team apprise of conning	Answer Remark : Grade - Very Good	No	
Assessment		Officer of intended maneuvers	Answer Remark :		
Assessment	01.02 - Bridge Team Management	01.02.19 - Announcement of the "Order" to those present on the bridge	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.02 - Bridge Team Management	01.02.20 - Physical condition of bridge team	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.21 - Knowledge by bridge team member the concept of "BTM"	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification Assessment	01.02 - Bridge Team Management	01.02.22 - "One man error" / error chain	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.23 - Foresight and planning	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.24 - Challenge of decisions – orders		No	
	01.02 - Bridge Team Management	01.02.25 - Feedback of conning Officer with information from other team members	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.26 - Understanding and application of navigation priorities	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.27 - Wellbeing	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.28 - Moral	Grade - Very Good Answer Remark :	No	
	01.02 - Bridge Team Management	01.02.29 - Proper con	Grade - Very Good Answer Remark :	No	
01.00 - Navigational Verification	01.02 - Bridge Team Management	01.02.30 - Look out	Grade - Very Good	No	
Assessment 01.00 - Navigational Verification Assessment	01.02 - Bridge Team Management	01.02.31 - Manning the wheel	Answer Remark : Grade - Very Good Answer Remark :	No	



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



Chapter	Category	Question	Answer Details	Is Critical	Link
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.03q - Should be marked on the chart	Grade - Very Good	No	
Assessment	safety	<ul> <li>VTS and reporting points, etc</li> </ul>	Answer Remark :		
01.00 - Navigational Verification	01.03 - Passage Plan and Navigation	01.03.03r - Should be marked on the chart		No	
Assessment	safety	- Course alterations	Answer Remark :		
	01.03 - Passage Plan and Navigation	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 :		
	01.03 - 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 :		
	01.03 - Passage Plan and Navigation	01.03.08 - Use of dead reckoning	Grade - Average	No	
Assessment	safety	techniques	Answer Remark :		
			Verified theoretically		
		01.03.09 - Position fixes cross checking	Grade - Very Good	No	
Assessment	safety		Answer Remark :		
	01.03 - Passage Plan and Navigation	01.03.10 - Use of visual navigation aids	Grade - Very Good	No	
Assessment	safety		Answer Remark :		
	01.03 - Passage Plan and Navigation	01.03.11 - Monitoring of safe progress of	Grade - Very Good	No	
Assessment	safety	the ship along the planned tracks of passage plan	Answer Remark :		
	01.04 - Marks and Publications	01.04.01 - Records of charts and	Grade - Very Good	No	
Assessment		publications	Answer Remark :		
	01.04 - Marks and Publications		Grade - Very Good	No	
Assessment		effected for charts and publications	Answer Remark :		
Assessment	01.04 - Marks and Publications	01.04.03 - Charts condition (hard copies).		No	
	01.04 - Marks and Publications	01.04.04 - Correction of all Paper of		No	
Assessment		electronic Charts for the Intended Voyage			
1.00 - Navigational Verification	01.04 - Marks and Publications	01.04.05 - Notices to Mariners (NTM)	Grade - Average	No	
Assessment		adequate with the charts	Answer Remark :		
	01.04 - Marks and Publications	01.04.06 - Comprehension of chart's	Grade - Very Good	No	
Assessment		Correction	Answer Remark :		
	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
	01.04 - Marks and Publications		Grade - Very Good	No
ssessment		lights, tide tables, sailing directions,	Answer Remark :	
		nautical almanacs, annual summary of	Digital publications on board	
		NTM, chart catalogues		
1.00 - Navigational Verification		01.05.01 - Knowledge and familiarization	Grade - Very Good	No
Assessment	Planning/Charts	of bridge team with ECDIS and IBS	Answer Remark :	
1.00 - Navigational Verification		01.05.02 - Adequacy of ECDIS operating	Grade - Very Good	No
ssessment	Planning/Charts	procedures onboard	Answer Remark :	
1.00 - Navigational Verification		01.05.03 - Mode of ECDIS operation in use		No
ssessment	Planning/Charts	onboard	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.04 - ECDIS used for Navigation	Grade - Very Good	No
Assessment	Planning/Charts	purposes either as the Primary or Secondary means	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.05 - Specify the ECDIS back up	Grade - Very Good	No
Assessment	Planning/Charts	arrangements onboard	Answer Remark :	
1.00 - Navigational Verification		01.05.06 - Operational competency of	Grade - Very Good	No
Assessment	Planning/Charts	watch-keepers in the use of ECDIS	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.07 - Training in ECDIS (generic /	Grade - Very Good	No
ssessment	Planning/Charts	type specific), Electronic charts, AIS, IBS	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.08 - Awareness about the actions	Grade - Very Good	No
ssessment	Planning/Charts	required in case of identified ECDIS failure	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.09 - Electronic charts condition (up	Grade - Very Good	No
Assessment	Planning/Charts	to date)	Answer Remark : wk 37	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.10 - ADMIRALITY Information	Grade - Very Good	No
Assessment	Planning/Charts	Overlay (AIO) in use	Answer Remark :	
1.00 - Navigational Verification		01.05.11 - README.TXT file in use	Grade - Average	No
Assessment	Planning/Charts		Answer Remark :	
	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 :	
	0.1	draft, turning rate, UKC, distance, etc.)		
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.13 - GPS position system input	Grade - Very Good	No
ssessment	Planning/Charts	(WGS 84).	Answer Remark :	
1.00 - Navigational Verification		01.05.14 - ECDIS alarm operation	Grade - Very Good	No
ssessment	Planning/Charts	condition	Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.15 - Adequate E/C coverage for	Grade - Very Good	No
Assessment	Planning/Charts	intended voyage	Answer Remark :	
	01.05 - Electronic Passage	01.05.16 - Marking / high lighting of E/C	Grade - Very Good	No
Assessment	Planning/Charts		Answer Remark :	
1.00 - Navigational Verification	01.05 - Electronic Passage	01.05.17 - Voyage simulation before	Grade - Very Good	No
ssessment	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	