

**Detainable and ISM Related Deficiencies
PSC inspection report of Class NK & NK-SMC ships in July 2015**

Topics

1. "Tokyo MOU & Paris MOU Joint Concentrated Inspection Campaign (CIC) on CREW FAMILIARIZATION FOR ENCLOSED SPACE ENTRY (1 Sep- 30 Nov. 2015)

On 27 July 2015, Tokyo MOU and Paris MOU issued a Press release announcing the launch of CIC, in which a questionnaire used for the inspection is given. See the attached Press Release for details.

2.LIBERIA MARITIME AUTHORITY (LISCR, LLC) issued the Marine Advisory: 04/2015 titled "DETENTIONS INCREASING IN AUSTRALIA".

The administration advises that "pre-existing deficiencies are reported and there is evidence that corrective action has been initiated." See the attached Advisory, for details.

Summary

1.Lifeboats

(No. 1 Lifeboat was found to have cracking in the stbd bow hull below the water line, At time of inspection, it was found that the ship's lifeboat engine compartment and batteries compartment flooded with oil and water mixtures, and the lifeboat's engine and batteries were partly submerged in the oil and water mixtures, therefore lifeboat's engine was unable to run up for operational test. P&S lifeboats FWD and AFT lifting hooks not rest in correct position as evidenced by reset levers not full contact in green mark with their hook side plates.) (3cases)

2.Other (ISM)

(SMS as implemented does not ensure for safety, critical operation and emergency., Shipboard SMS as implemented failed to ensure that the vessel has adequate and appropriate charts for undertaking safe voyages, critical equipment/system is maintained for emergency operation.) (2 cases)

Details

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
1	AUS	BRISBANE	1	10135	Monitoring of voyage or passage plan	Bridge officers have used only one means of position fixing (GPS) during pilotage departure Inchon. (ISM)	17
			2	10199	Other (navigation)	Numerous instances of Bridge officers not recording alterations of course in Bridge log book. (ISM)	17
			3	05105	MF/HF radio installation	Crew unable to demonstrate operation of MF/HF radio on DC power. Vessel to comply with flag dispensation issued 01.07.15. MF/HF to be repaired or renewed to AMSA and Class satisfaction before departure Melbourne. (ISM)	99
			4	11131	On board training and instructions	Port and Starboard lifeboats have not been maneuvered in water for in excess of 3 months. (Port lifeboat to be maneuvered before departure Brisbane, Stbd lifeboat to be maneuvered at next port vessel is port side alongside. Or within one month whichever sooner.	99
			5	18408	Electrical	EMSB 100V low insulation alarm found disconnected. Full earth on system. Also earth fault on 100V system on MSB. (ISM)	17
			6	18199	Other (Minimum requirements)	Stern ramp pedestrian access protective railings defective.	17

			7	14104	Oil filtering equipment	OWS defective. Oil content meter constantly in Alarm. OWS cannot even process SW. Overboard pipe removed and found to be heavily contaminated with oily sludge as was overboard valve. Last recorded discharge by OWS was on 22/06/15 in position 15 49 N (ISM)	30
			8	14402	Sewage treatment plan	Sewage treatment plant defective. (ISM)	30
			9	15199	Other (ISM)	SMS as implemented does not ensure that critical shipboard operations are implemented effectively as evidenced by deficiencies 1 and 2, and that the vessel is maintained to the standard required as evidenced by deficiencies 3,5,7,and 8 marked (ISM).	18

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
2	AUS	NEWCASTLE	1	07122	Fire control plan	Non approved fire control plants in engine control room.	17
			2	07116	Ventilation	Steering room ventilator closing arrangement gagged.	17
			3	15199	Other (ISM)	SMS not ship specific	18

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
3	AUS	BRISBANE	1	10127	Voyage or passage plan	Voyage plan from Bintulu to Brisbane does not use largest scale chart available for navigation. Small scale ocean charts BA 4052 and BA 4507 used for coastal navigation. Also charts AUS 292 and 834 old editions. Crew have presented charts BA 2941, 3751, 2036 and 3749 which were received in Brisbane as used on the voyage to Brisbane. (ISM)	17
			2	10105	Magnetic compass	Magnetic compass deviation excessive.	17
			3	10135	Monitoring of voyage or passage plan	Bridge officers have not followed vessel voyage plan with regard to method and frequency of position fixing. Worst incident was whilst transiting Varzin passage. OOW has relied on pilot helm order as indication of vessel is at alter course position. Also no position 'plotted' for in excess of 30 minutes. Vessel within	17
			4	10116	Nautical publications	Vessel does not have Australian Seafarers handbook.	15
			5	05110	Facilities for reception of marine safety information	Crew unable to show AUSCOAST warnings for previous and intended voyage. (ISM)	17
			6	04110	Abandon ship drills	Crew have no maneuvered lifeboat within 3 months. PSCO shown drill report from August2014 and drill was reported as 23/04/15. (ISM)	15
			7	11110	Stowage and provision of liferafts	Stbd liferaft HRU no fitted correctly. (ISM)	17
			8	11113	Launching arrangements for rescue boats	Crew unable to demonstrate emergency operation of Rescue Boat davit. (ISM)	17
			9	11112	Launching arrangements for survival craft	Port side liferaft davit not available for immediate use. Crew unable to demonstrate emergency operation. (ISM)	17
			10	07105	Fire doors/openings in fire-resisting divisions	Accommodation fire door lashed open. (ISM)	17
			11	03104	Cargo and other hatchways	Dog defective number one hatch. Dog securing frame buckled and distorted for two dogs aft end number 2 hatch.	17

		12	10101	Pilot ladders and hoist/pilot transfer arrangements	Port and stbd pilot ladders defective.	17
		13	03199	Other (load lines)	Focsle dewatering system not configured for use. (ISM)	17
		14	13108	Operation of machinery	Ad hoc connections in boiler control panel.	99
		15	07108	Readily availability of fire fighting equipment	Crew unable to demonstrate correct operation of portable foam applicator. (ISM)	17
		16	18421	Guards- fencing around dangerous machinery parts	Grinding wheel in workshop badly scored.	17
		17	03108	Ventilators, air pipes, casings	E/R sounding pipe self-closing cocks defective.	17
		18	07117	Jacketed high pressure lines	Fuel oil leak alarm tank has been bypassed. Inlet to tank has been plugged and pipe has been removed. FO leak line no goes straight to drain.	30
		19	14199	Other (MARPOL Annex I)	Crew unable to demonstrate correct operation of OWS. When testing OWS, crew have fitted purpose made FW connection to Oil Content Meter sample water inlet. (ISM)	17
		20	14104	Oil filtering equipment	OWS defective.	99
		21	15199	Other (ISM)	SMS as implemented does not ensure.(above 1,3,5, and 19 for safety and critical operation, 6,7,8,9,10,13, and 15 for emergency.)	30

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
4	AUS	GERALDTON	1	10127	Voyage or passage plan	Previous passage plan, primary and secondary position fixing methods do not reflect the actual methods used during navigation.	17
			2	10116	Nautical publications	NP 13 and Volume 5 for previous voyage received in Geraldton, the same needed for the intended voyage not updated to the latest NTM on board. IMSBC code latest edition not on board.	17
			3	10105	Magnetic compass	Magnetic compass has a bubble in it.	17
			4	03108	Ventilators, air pipes, casings	Air vent for WB no.4 STBD defective.	17
			5	10111	Charts	Unapproved electronic navigational charts used during the previous voyage.	17
			6	15106	Development of plans for shipboard operations	Deficiencies No.1,2 and 5 are objective evidence that the SMS as implemented on board does not ensure that the navigation is executed as per SOLAS requirements.	18

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
5	AUS	GLADSTONE	1	10111	Charts	Unauthorized photo copy charts (Aus 244, 490, 818, 819, 820) used during inbound passage to Gladstone.	17
			2	10127	Voyage or passage plan	Gladstone harbour chart 245 latest edition not onboard and not ordered for the following passage.	17
			3	07114	Means of control (opening, pumps, ventilation, etc.) Machinery spaces	Remote fuel quick closing valves for no. 2 and no.3 generators defective.	17
			4	05116	Operation/maintenance	EGC not configured to appropriate Navarea.	17

			5	18315	Provisions quality and nutritional value	Inadequate quantity of vegetables and fruits available during last voyage (last intake of provisions 29 May 2015 at Singapore, vessel called two successive ports after that on 8 & 18 June but did not replenish stock of provisions)	17
			6	15199	Other (ISM)	Shipboard SMS as implemented failed to ensure that the vessel has adequate and appropriate charts for undertaking safe voyages as evidenced by above deficiencies no.1 & 2; that critical equipment/system is maintained for emergency operation as evident	30

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
6	CHN	SHENZHEN	1	07113	Fire pumps and its pipes	Isolating valve for fire main in fire station seized.	17
			2	01308	Records of rest	Record related to hours of rest for crew not being recorded correctly.	99
			3	01307	Tables of working hours	Table of shipboard working arrangements not correct.	17
			4	10101	Pilot ladders and hoist/pilot transfer arrangements	Required boarding arrangements for pilot expired.	17
			5	09103	Ventilation (Accommodation)	Accommodation vents cap unable to be open.	17
			6	11117	Lifebuoy incl. provision and	The lifebuoy with smoke on port side not ready for immediate use.	17
			7	10111	Charts	BA chart 341 not up to date.	17
			8	04102	Emergency Fire Pump and its pipes	Lubricate oil of vacuum pump for emergency fire pump missing.	17
			9	14104	Oil filtering equipment	OWS maintenance not comply with instruction operation.	17
			10	10100	Safety of Navigation	Port side navigation light (red light) installed all round light (3600).	30
			11	15150	ISM	All round light installed for Port side navigation light since Feb 2015 deficiency not found during weekly inspection according to SMS manual.	30

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
7	CHN	QINGDAO	1	10109	Lights, shapes, sound-signals	Arc of stern light (225 Degree) and fore masthead light (135 Degree) not complied with the requirement of COLREG.	30
			2	10113	Automatic Identification System (AIS)	Wrong IMO number input to AIS	17
			3	03199	Other (load lines)	Unapproved modification to sounding pipe caps on F.O & D.O Tanks on Upper Deck (5 Pcs in total).	17
			4	03108	Ventilators, air pipes, casings	Starboard side air pipe heads of WBT NO.1-5, APT&FPT wasted and holed and gaskets deteriorated.	30
			5	04102	Emergency Fire Pump and its pipes	Second means of access to emergency fire pump can not open from outside during inspection.	17
			6	04110	Abandon ship drills	P&S lifeboats not maneuvered in the water within last 3 months.	15
			7	11117	Lifebuoy incl. provision and	Self-activated smoke signal can not quickly released with M.O.B Lifebuoy.	17
			8	11108	Inflatable liferafts	No ID-Card in the weathertight tube on the starboard liferaft.	17
			9	11101	Lifeboats	Painter line for No.1 Lifeboat can not quick released from inside.	17
			10	13199	Other (machinery)	Stern shaft seal found oil leakage in E/R.	17
			11	10114	Voyage data recorder (VDR)/Simplified Voyage date	VDR panel indication error alarm.	17

			12	15109	Maintenance of the ship and equipment	SMS fails to ensure effective maintenance of ship and equipment as evidenced by above deficiencies.	18
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CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
8	CHN	QINGDAO	1	11110	Stowage and provision of liferafts	Launching instructions of P&S liferafts not provided in the vicinity of liferafts.	17
			2	11108	Inflatable liferafts	Flaps on end of exhaust pipe of lifeboats – one missing (No.1 boat); one seized (No. 2 boat).	16
			3	03109	Machinery space openings	A butterfly nut for securing skylight to E/R missing.	17
			4	03105	Covers (hatchway-, portable-, tarpaulins, etc.)	Most of cleats of cargo hold hatch covers wasted and adjustment nuts seized.	17
			5	03108	Ventilators, air pipes, casings	Duct keel ventilator closing device defective	17
			6	02108	Electric equipment in general	Emergency Switchboard 110V indicating low insulation.	17
			7	14402	Sewage treatment plan	Sewage treatment plant recirculating pipe no flow during running.	17
			8	11101	Lifeboats	P&S lifeboats FWD and AFT lifting hooks not rest in correct position as evidenced by reset levers not full contact in green mark with their hook side plates.	30

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
9	HKG	HONG KONG	1	10101	Pilot ladders and hoist/pilot transfer arrangements	S' side pilot ladder supported by spreader, steps not horizontal & with end loop	17
			2	01315	Oil record book	Bunkering details not properly recorded on Oil Record Book, training to be arranged	17
			3	10113	Automatic Identification System (AIS)	AIS status not properly set	17
			4	10135	Monitoring of voyage or passage plan	Voyage charts 3026, 4129 not properly corrected/updated	17
			5	07108	Readily availability of fire fighting equipment	Fire hose leaking during testing	17
			6	02117	Decks – corrosion	AFT decks, stair steps to upper deck corroded/holed	17
			7	03104	Cargo and other hatchways	No.1 Cargo Hold Forward, Hatchway cover damaged/broken	30
			8	04102	Emergency Fire Pump and its pipes	Emergency fire pump, vacuum pump belt broken. E.F.P. cannot properly deliver water	30
			9	09204	Safe means of access	Derrick platform before No.2 Cargo Hold, handrail broken about 1.2m	17
			10	04108	Muster list	Emergency muster list not updated	17
			11	09232	Cleanliness of engine room	Oily rags accumulated i.w.o. purifier spare/No.1 G/E	17
			12	09232	Cleanliness of engine room	E/R AFT bottom floor oil accumulated	17
			13	09109	Pipes, wires (insulation)	L.O. purifier steam pipe, thermal insulation partly broken	17
			14	04103	Emergency lighting, batteries and switches	E/R emergency escape trunk, 2 lights unlit	17
			15	15107	Emergency preparedness	Officers not familiar with testing of quick-closing valve, training to be arranged	17
			16	05116	Operation/maintenance	Testing of MF/HF DSC/telephone not successful during inspection	17

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10	JPN	Port of SHIKAMA	1	07105	Fire doors/openings in fire-resisting divisions	Fire door for stair way casing on captain deck – Auto closing device was broken (ISM)	17
			2	01315	Oil record book	Oil Record Book – Code “C” item 11.2 of W.O. tank and Code “D” item 13, 14, 15.1 were not recorded correctly.	99
			3	14602	Record book of engine parameters	Parameter record for No.2 G/E – Not recorded in spite of changed some parts on 22 July 2015	99
			4	99102	Other (SOLAS operational)	Permission to enter the enclosed space – Not carried out at all since 1 Jan. 2015	99
			5	05103	Main installation	GMDSS – Unable to operate by reserve source (DC) (ISM)	17
			6	05114	Reserve source of energy	Quantity of electrolyte for GMDSS batteries – Empty (ISM)	17
			7	15109	Maintenance of the ship and equipment	Maintenance of the ship and equipment – Ineffective to maintenance (e.g.: Item No.1, 5 and 6)	18

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
11	KOR	ULSAN	1	10118	Speed and distance indicator	Ship’s Speed Log Malfunction since 31 March 2015	17
			2	15102	Company responsibility and authority	Company didn’t provide proper support to repair above No.1 Def. equipment last during 3 months.	18
			3	03199	Other (load lines)	Bosun store several small pipes water leakage 1. Connection part between anchor chain hawse pipe(S) and anchor washing pipe	17
			4	03103	Railing, gangway, walkway and means for safe passage	Upper deck railings stanchion not supported by bracket or stay Location : FR.190 ~ 205 / 1 EA)	17
			5	07110	Fire fighting equipment and appliances	BA bottle in bridge empty (1EA)	17

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12	SGP	SINGAPORE	1	10118	Speed and distance indicator	The ship’s Doppler log measuring the ship’s speed through the water was unable to display the actual instant ship’s water speed. The speed was pre-set at 15.1 knots at time of inspection.	17
			2	10127	Voyage or passage plan	At time of inspection, the passage plan from Chittagong to Singapore was unable to be presented by the ship’s responsible officers although the sea passage had been completed.	17
			3	15101	Safety and environmental policy	With reference to deficiency No.2, it was found that the procedures to plan and execute the ship’s passage were inappropriate.	18
			4	07199	Other (fire safety)	Several fuel tank ventilator heads wire meshes i.e. flame arrestors were found heavily wasted and missing.	15
			5	03108	Ventilators, air pipes, casings	The means to secure the ventilator flaps i.e. wingnuts on deck were found missing.	17
			6	09298	Other (accident prevention)	The item in the ship’s forepeak store were not properly arranged and secured and numerous paint drum were kept in forepeak store, and amount of paint spillage on the floor.	17

			7	09209	Electrical	The low electrical insulation (0.1) was displayed at the 220 main switchboard in Engine Control Room.	17
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CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
13	SGP	SINGAPORE	1	07115	Fire-dampers	The fire dampers for the ship's engine room ventilation trunk (4 Nos.) were unable to be operated i.e. open and close pneumatically from either local position or remote location from ship's fire station. 2 outer fire dampers i.e. No.1 & No.4 (wire-winding operated) were unable to be closing during the operational test at time of inspection.	30
			2	11129	Operational readiness of lifesaving appliances	The liferaft (02 Nos) located on the ships bot deck (Port & Stbd) were not provided with manual quick releasing means on their stowage cradles. Whereas such means was illustrated on the launching instruction posted on the bulkhead nearby.	17

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
14	SGP	SINGAPORE	1	11102	Lifeboat inventory	The ship lifeboat searchlight was found the lamp glass and body apart.	17
			2	11101	Lifeboats	At time of inspection, it was found that the ship's lifeboat engine compartment and batteries compartment flooded with oil and water mixtures, and the lifeboat's engine and batteries were partly submerged in the oil and water mixtures, therefore lifeboat's engine was unable to run up for operational test.	30
			3	04114	Emergency source of power – Emergency Generator	The ship's emergency generator was unable to start up using means of compressed air and it was noted that lots of water being drained from the air reservoir during the operational test.	17
			4	07126	Oil accumulation in engine room	The ship's main engine was coated with excessive oil leaks and large amounts of oil accumulations were observed around the main engine.	17
			5	07117	Jacketed high pressure lines	The ship's Main Engine No.7 unit fuel supply pipe's sheath was found cut and damaged. The pipe was wrapped with insulation cloth presently.	17
			6	15109	Maintenance of the ship and equipment	With reference to the deficiencies issued during the inspection, it was found that the SMS procedures in terms of maintenance of the ship and equipment were not effectively implemented.	18
			7	15199	Other (ISM)	With reference to deficiency No.5 issued on 15 May 2015. As regards to oil accumulation in the Engine Room bilge excessively. It was found that the subject deficiency was not rectified within the time frame given during the inspection, The SMS procedures in terms of non-conformance rectification and control was not effectively implemented.	18

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
15	USA	New Orleans	1	14117	Ship type designation	Proper operation and alignment in accordance with instruction manual shall be provided. OCM system was unable to drop ppm of discharge effluent to below 15ppm.	30a

			2	14199	Other (MARPOL Annex I)	Crew needs to familiarize themselves with oil filtering equipment. A piece of rubber was in sample line leading to oil content meter that caused effluent to be blocked.	30a
			3	11104	Rescue boats	Rescue boats shall be stowed in state of readiness for launching in not more than 5 minutes.	30a
			4	07109	Fixed fire extinguishing installation	Fire protection system and fire-fighting systems and appliances shall be maintained ready for use.	30a
			5	15101	Safety and environmental policy	Master and crew are not familiar with essential shipboard procedures relating to safety of ships.	30a
			6	07118	International shore connection	Engineering crew disabled leak alarm on ME fuel return line due to standing fuel in fuel return line.	17a
			7	99100	Other	Crew was unable to start emergency generator using secondary means of starting after 3 attempts.	17a

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
16	USA	NEW ORLEANS, LA	1	11108	Inflatable liferafts	L/R lashed to cradle preventing float-free capability.	30
			2	99101	Other safety in general	Above deficiency missed by weekly LSA checks.	30

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
17	USA	TACOMA, WA	1	09232	Cleanliness of engine room	Fuel injectors and pumps of main engine have rags wrapped around them and leaks and fuel soaked lagging. Significant fire hazards from fuel oil leakage and accumulation within the engine room.	30
			2	11101	Lifeboats	The forward window of the port lifeboat is not watertight due to a damaged window frame.	17
			3	13199	Other (machinery)	The #1,6,10 and 11 main engine cylinder exhaust headers have holed lagging and leak exhaust.	17
			4	07100	Fire Safety	Doors required to be self-closing shall not be fitted with hold-back hooks. Doors from crew mess, officer mess, and main hallway leading to the galley were fitted with hold-back hooks.	10
			5	15109	Maintenance of the ship and equipment	The master and chief engineer were aware of the fuel leaks in the engine room, did not report as non-conformities and did not take precautionary measures to mitigate the fire hazard associated with leaking fuel in the engine room.	17
			6	15108	Reports and analysis of NCs, accidents and hazardous occur.	The vessel's master or owner did not report the damaged lifeboat window listed in deficiency #2 to their recognized organization.	17

CASE	PSC	PORT	NUMBER	Def. Code	Item	Nature of deficiency	Act. Code
18	USA	PITTSBURG, CA	1	04109	Fire drills	Crew members failed two consecutive fire drills.	30
			2	11101	Lifeboats	No. 1 Lifeboat was found to have cracking in the stbd bow hull below the water line.	30

		3	13199	Other (machinery)	1. There are Patches on SW Cooling Pipe to Generators and Eductor for the Hold Bilge water. 2. MSD Tube for the tablets. 3. Leaking Hydraulic Oil for Holds #3, 6 & 7. No. 1 was set out Recommendation and 2 & 3 was cleared.	17
		4	07106	Fire detection	One Fireman's Outfit is unserviceable.	17
		5	11119	Immersion suits	Immersion Suits were not of an appropriate size for some of the crew members.	40
		6	07106	Fire detection	USCG Code: 0750 Crew did not have adequate means of testing their flame detector.	40
		7	09216	Personal equipment	The Electrical Matting in Emergency Generator Room was wasted and did not serve the purpose for which intended.	40
		8	15107	Emergency preparedness	An External Audit is recommended by the Flag state or RO to determine whether the ship is properly operation in accordance with the ISM Code and provide the findings to the USCG.	50