

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

Summary

1. Closing devices/watertight doors

(Water tight doors located in starboard side conveyor tunnel AFT of #1 hold, #2 hold, and #4 hold were not watertight during USCG inspection due to residue of cargoes on floor of doors, N. 3 weather tight doors on the upper deck not properly closed, No.1 cargo hold and forecastle not keeping watertight.) (3 cases)

2. Lifeboats

(Port side lifeboat engine can not be started by No.1 Battery, The antenna hole used in portside lifeboat for an improper self-released device and not watertight. In the starboard side lifeboat the antenna hole result temporary repaired.) (2 cases)

3. Sewage treatment plan

(Sewage treatment plant out of order, Sewage treatment plant (MARPOL AN IV R9)- malfunctioned as follows.(1) Top of case was worn through seriously due to corrosion (2) Level probe was broken (3) Cylinder of sterilizer was broken. (4) Bio-filter tank were dry condition.) (2 cases)

4. Development of plans for shipboard operations

(Enclosed space entry and rescue drill not carried out satisfactorily, The deficiencies marked (ISM) are objective evidence of a failure or ineffectiveness of implementation of the ISM.) (2 cases)

Details

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
1	CHN	Tianjin	11101	Lifeboats	Port side lifeboat engine can not be started by No.1 Battery.	30
			07101	Fire prevention structural integrity	Fire integrity of the bulkhead between electric pipe duct and corridor on Capt. Deck - Broken.	30
			07101	Fire prevention structural integrity	Fire integrity of the deck between bridge and crew cabin on Capt. Deck - Broken.	30
			07101	Fire prevention structural integrity	Fire integrity of the bulkhead between fire station and corridor on Upper Deck - Broken.	30
			11110	Stowage and provision of liferafts	Port side liferaft bracket connected with hydrostatic release unit rusted seriously & broken, it result in H.R.U. out of	30
			03103	Railing, gangway, walkway and means for safe passage	Starboard side one handrail stanchion partly deformed - Broken.	17
			07105	Fire doors/openings in fire-resisting divisions	Fire door access to E/R from accommodation can not be closed tightly, insulation material of A-60 fire door frame partly missing.	30
			07199	Other (fire safety)	Refractory brick inside of incinerator nearby the ash out door -Broken.	17
			07105	Fire doors/openings in fire-resisting divisions	Self-closing fire door of the air-lock access to steering gear room can not be closed tightly.	17
04103	Emergency lighting, batteries and switches	Port side securing device of emergency light - Broken.	17			

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2	CHN	Zhoushan	14108	15 PPM alarm arrangements	15PPM of O.W.S can't reach the requirements of MEPC.107(49).	30
			14608	Incinerator	Negative pressure protection alarm for incinerator combustion chamber can't be demonstrated by engineers.	30
			09209	Electrical	Parts of electrical panels within engine room short of conducting mat in vicinity.	17
			17198	Other (SOLAS operational)	Engineers can't demonstrate emergency generator fuel oil leaking alarm.	17
			15106	Development of plans for shipboard operations	Enclosed space entry and rescue drill not carried out satisfactorily.	30

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
3	CHN	Tianjin	14402	Sewage treatment plan	Sewage treatment plant out of order.	30
			04114	Emergency source of power - Emergency Generator	Emergency generator failed to be started by two sets of battery.	30
			13103	Gauges, thermometers, etc.	Pressure gauge of oil filling pipe(s) malfunction.	17
			11101	Lifeboats	Protecting box for lifeboat release gear of lifeboat (P) broken by corrosion.	17

			10105	Magnetic compass	Big air bubble found in magnetic compass.	17
			07199	Other (fire safety)	Oil samples found in main engine control room.	17
			07199	Other (fire safety)	No.1 and No.3 A/E turbocharger inlet pipe not insulated properly.	17
			13199	Other (machinery)	Two sea water pipe valves in accommodation missing hand wheel.	17
			10111	Charts	BA Chart 2653 (Tianjin port) old edition on board.	17
			04103	Emergency lighting, batteries and switches	Emergency light on Lifeboat deck(s) not work.	17
			15109	Maintenance of the ship and equipment	External audit should be carried out.	18

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4	CHN	NINGBO	07105	Fire doors/openings in fire-resisting divisions	Door between engine room and steering room keep open by back hook.	17
			09219	Pipes, wires (insulation)	Some insulation material detached from one pipe of boiler.	17
			14499	Other (MARPOL Annex IV)	Sewage discharged overboard without treatment in port.	30
			11101	Lifeboats	Rubber packing of entrance for lifeboat (P/S) damaged.	17
			07120	Means of escape	Escape door on open deck locked from outside.	17
			03104	Cargo and other hatchways	3 nuts for man hole of No.4 Cargo Hold missing.	17
			12101	Stowage/packaging of dangerous goods	Segregation of DG container No. ENU 1410908 and TEMU 2223755 not complied with requirement of IMDG Code. (ISM)	30
			15106	Development of plans for shipboard operations	The deficiencies marked (ISM) are objective evidence of a failure or ineffectiveness of implementation of the ISM.	30

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5	CHN	Shanghai	01299	Other (STCW)	Rest hour records not properly recorded (drills on 4January 2015, bunkering operation on 31January 2015)	17
			01315	Oil record book	IFO bunker on 31January 2015 in Singapore not entry to the oil record book.	99
			07109	Fixed fire extinguishing installation	One fire hydrant near steering gear room entrance at starboard side passageway leaking of water.	17
			13101	Propulsion main engine	M/E No.6 cylinder jacket and connecting pipe found leaking water seriously	17
			13101	Propulsion main engine	S.W. outlet pipe connected to M/E F.W cooler (No.2) and some gauge connecting pipe found seriously corrosion.	99
			13199	Other (machinery)	S.W outlet pipe for aux. condenser found seriously corroded and temporary repaired with wrapped rope.	99
			15106	Development of plans for shipboard operations	Engineers not familiar with the operation procedure for enclose space entry (not switch on the fan for CO2 room and wait some time before entry).	18
			15109	Maintenance of the ship and equipment	Maintenance of equipments not meet the requirement of ship's SMS operational procedure and manual, evidenced by deficiency code No.07109, 13101,13199.	18

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
6	CHN	Guangzhou	14104	Oil filtering equipment	The solenoid valve of O.W.S. ? Not Working	30
			07114	Means of control (opening, pumps, ventilation, etc.) Machinery spaces	The quick closing valve for H.F.O. Tanks (Capacity 14.4m3 & 11.5m3) - Malfunction	30
			09203	Lighting (Working spaces)	The lighting in cable trunk on A-DK - out of order	17
			07101	Fire prevention structural integrity	The cable penetrated the bulkhead between cable trunk and corridor of accommodation on A-DK & B-DK & C-DK - Penetration not be used and bulkhead be damaged	17
			07101	Fire prevention structural integrity	The cable penetration between cable trunk and accommodation on A-DK & B-DK & C-DK & Upper-DK - Seal insulation materials not be provided	17
			07114	Means of control (opening, pumps, ventilation, etc.) Machinery spaces	The air cylinder to shut down the quick closing devices - Low pressure (6.4 kg/cm2)	17
			01214	Endorsement by flag State	The certificates of endorsement by flag states for C/OFF & 2nd/ENG & 4TH/ENG - Original Cert. not be provided	30

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
7	CHN	XIAMEN	15106	Development of plans for shipboard operations	Gangway ISPS watch not conducted.	17
			04117	Functionality of Safety Systems	Emergency response between crew can not be run (PSCO onboard found cook only, and cook took about 20 min to found Captain).	15
			07120	Means of escape	Escape route in Accom not mark continuously.	15
			11102	Lifeboat inventory	Heavy box in free fall lifeboat not fixed.	17

			11101	Lifeboats	Free fall lifeboat engine can not start during inspection.	17
			04110	Abandon ship drills	Cook not dress lifejacket properly when abandon ship drill.	15
			04110	Abandon ship drills	All crew not fasten safety belts before hook simulation release when abandon ship drill.	15
			04109	Fire drills	Crew not conduct fire drill properly, nobody dress fireman equipment and all crew dress lifejacket.	15
			04117	Functionality of Safety Systems	Crew not familiar with MMSI number's meaning.	15

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8	CHN	Shenzhen	03103	Railing, gangway, walkway and means for safe passage	Main deck handrail deformed.	99
			17197	Other safety in general	Poop deck winch platform holed.	99
			15105	Resources and personnel	Crew members not familiar with water mist system operation.	18
			03105	Covers (hatchway-, portable-, tarpaulins, etc.)	Rope store cover edge holed.	99
			17197	Other safety in general	Winch cover(gear wheel) holed on poop deck.	99
			07115	Fire-dampers	Engine room ventilator fore damper not marked open and shutdown.	17
			07115	Fire-dampers	Engine room ventilator head holed.	99
			05199	Other(radio communication)	Antenna electric cable securing tape in poor condition.	17
			03105	Covers (hatchway-, portable-, tarpaulins, etc.)	Engine room hatch cover securing belts missing.	17
			11102	Lifeboat inventory	Rope stowed in lifeboat seating position.	17
			02101	Closing devices/watertight doors	No.1 cargo hold and forecandle not keeping watertight.	30
03103	Railing, gangway, walkway and means for safe passage	Safety net for gangway broken.	17			

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9	CHN	Shenzhen	17197	Other safety in general	Roller fairleader in forecandle deck seized.	17
			17197	Other safety in general	Windlass platform holed.	99
			11199	Other (life saving)	S/S lifeboat limit switch out of work.	30
			11102	Lifeboat inventory	Retro-reflective tape of lifeboat broken.	17
			10199	Other (navigation)	Cable shelf if main mast cracked.	16
			10199	Other (navigation)	Function box bracket near main mast rusted and holed.	16
			05199	Other(radio communication)	Antenna electric cable searing tape broken.	16
			05199	Other(radio communication)	Antenna electric cable brocket broken.	16
			05199	Other(radio communication)	High voltage wire eyelet in poor condition in Monkey island.	16
			03103	Railing, gangway, walkway and means for safe passage	Length of safety net for gangway not enough.	17
			03103	Railing, gangway, walkway and means for safe passage	Safety net for gangway broken.	17
			02112	Hull - corrosion	Stem hull in poor condition.	99

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10	ITA	TARANTO	01308	Records of rest	1. During last drill on 07.01.2015 Oiler (No.3) and fitter result on rest period.	10
			04109	Fire drills	2. Fire Drill failed. (ISM)	30
			02101	Closing devices/watertight doors	3. N. 3 weather tight doors on the upper deck not properly closed. (ISM)	30
			15150	ISM	4. Safety management audit by the Administration is required before departure of the ship. Deficiency(s) marked ISM is/(are) objective evidence of a serious failure, or lack of effectiveness, of implementation of ISM code.	30
			07115	Fire-dampers	5. PS funnel without a part of safety grad, STB and PS funnel not properly indicated and not properly working. (ISM)	10
			13108	Operation of machinery	6. Evidence that chief engineer and others engineers are not familiar with any essential shipboard operations relating to the safety and in particular concerning test of oil mist detector and remote stopping device for fuel and diesel pumps	30
			11101	Lifeboats	7. The antenna hole used in portside lifeboat for an improper self-released device and not watertight. In the starboard side lifeboat the antenna hole result temporary repaired. (ISM)	30
			05111	Satellite EPIRB 406 MHz/1.6 GHz	8. Hydrostatic release gear not properly marked with the expired date. (ISM)	10

			07114	Means of control (opening, pumps, ventilation, etc.) Machinery spaces	9. Remote control box of supply fuel pumps not properly works. (ISM)	10
			02119	Enhanced survey programme (ESP)	10. Reports of structural survey and condition evaluation report missing on board. (ISM)	30
			13101	Propulsion main engine	11. Remote control system located in the main machinery space, out of order. (ISM)	30
			18416	Ropes and wires	12. No.2 mooring ropes (one fwd. PS and one aft stb side) in poor conditions. (ISM)	10
			04103	Emergency lighting, batteries and switches	13. One emergency light in the forecandle out of order, glass of deck illumination in the same area is broken.	10
			04106	Emergency steering position communications/ compass reading	14. Angle rudder indicator not readable because completely painted, consequently emergency steering gear drill was failed. (ISM)	30
			07113	Fire pumps and its pipes	15. Fire pump N° 2 inoperative. (ISM)	30
			02116	Bulkheads – cracking	16. Bulkheads on stern part of boat deck holed to permit passage of drain pipe of the air conditioner. (ISM)	30
			18418	Winches and capstans	17. Area of winches and capstans (fwd.) not properly maintained and affected by rust. (ISM)	10

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
11	JPN	FUSHIKI	14501	Garbage	Garbage not collected properly.	17
			03102	Freeboard marks	Deck Line of Draft Marks (P/S) not clear.	17
			04103	Emergency lighting, batteries and switches	Emergency Lighting on Navigation Bridge Deck (P. side) not turned on. (ISM)	17
			07116	Ventilation	Butterfly nuts of clamping device for E/R sky-light partially lacked. (ISM)	17
			11112	Launching arrangements for survival craft	Handle of manual rerelease unit for a inflatable liferaft (S. side) stuck. (ISM)	17
			02118	Decks – cracking	Boat deck around E/R Ventilators (P & S) holed. (ISM)	30
			07116	Ventilation	Ventilators for Machinery Space on Boat Deck (P & S) not closed completely. (ISM)	30
			15109	Maintenance of the ship and equipment	Maintenance of the ship and equipment (Evidence marked (ISM)) not carried out correctly.	17
			01308	Records of rest	Hours of rest and watch keeping not recorded correctly.	99
			01315	Oil record book	Oil record book not recorded as required.	99

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12	JPN	Hakata	03102	Freeboard marks	Load line mark on the starb'd side – not marked clearly.	17
			09227	Ropes and wires	Mooring equipment – One hawser (head line) was frayed.	17
			01328	Ship Energy Efficiency Management plan	SEEMP – Record of management review was not available on board.	99
			10133	Bridge operation	Bridge operation – Officers in charge were not familiar with AIS operation.	17
			10114	Voyage data recorder (VDR)/Simplified Voyage date recorder (S-VDR)	VDR – indicated error alarm on the remote alarm panel as follows: Description "RAP is missing. Connection to RAP is lost" RAP: Remote Alarm Panel (Note) The ship sailed from last port Mili, Malaysia to Hakata Japan without repairing above equipment.	17
			11101	Lifeboats	Life boats on both side – Link stoppers on release hooks were stuck at all.	17
			13101	Propulsion main engine	Main Propulsion engine – dirty with Fuel oil due to leaking F.O. at F.O. pipe and its branch pipes connected with F.O. injection pumps	17
			14402	Sewage treatment plan	Sewage treatment plant (MARPOL AN IV R9) – malfunctioned as follows. 1) Top of case was worn through seriously due to corrosion. 2) Level probe was broken. 3) Cylinder of sterilizer was broken. 4) Bio-filter tank were dry condition.	30
			18203	Wages	Crew not receiving monthly account of wages.	17

			15109	Maintenance of the ship and equipment	Maintenance of the ship and equipment (ISM Code 10) – not maintained well as evidenced by deficiency No.1,2,5,6,7 and 8	18
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13	PRI	San Juan	13102	Auxiliary engine	One generator not working due to starter and pinion gear were broken and engine disassembled.	30
			05105	MF/HF radio installation	GMDSS was not operational and antenna missing top section. (ISM)	30
			17197	Other safety in general	Vessel does not have non-conducting mats at main switchboards.	50
			14104	Oil filtering equipment	Vessel was unable to prove proper operation of OWS.	17
			07110	Fire fighting equipment and appliances	Fire main piping has soft patch directly on the discharge side of the main fire pump.	50
			17100	Other	Vessel could not prove pre-arrival checks IAW 33CFR164.25.	40
			15109	Maintenance of the ship and equipment	The deficiency marked (OSM) is objective evidence discovered during expanded ISM exam revealed major non	-

CASE	PSC	PORT	Def. Code	Item	Nature of deficiency	Act. Code
14	RUS	Tuapse	11199	Other (life saving)	Corridors and stairways (routes to muster station)are not marked by muster station symbols(ISM)	17
			09299	Other (mooring)	Incorrect mooring-mooring ropes secured on mooring winches warping drum ends(ISM).	17
			09229	Winches and capstans	Forward and aft mooring winches-brake drums corroded(ISM).	16
			06103	Other cargo – timber – deck/construction	Cargo deck hydraulic pipelines (port)-U-bolts are broken, brackets totally corroded(ISM).	17
			14102	Retention of oil on board	Save all are not plugged.	17
			11101	Lifeboats	Life boats are not marked by retro-reflective material according to Reg.658(17)(ISM).	17
			07199	Other (fire safety)	Sky light in ER fixed in open position.	17
			15106	Development of plans for shipboard operations	Check lists in ER are not in use(ISM).	99
			01305	Logbooks / compulsory entries	Pre-arrival check list is not recorded in Engine log Book, no any records about test AH/AS of ME (ISM).	99
			07199	Other (fire safety)	Oxygen and Acetylene pipeline in ER are not colored, flash back arrestor and pressure gauge are missing.	17
			07199	Other (fire safety)	DG 1,2,3-heat insulation for exhaust manifolds partly missing(ISM).	17
			14105	Pumping, piping and discharge arrangements	Blank between bilge and sludge system found in open position ,to be normally closed(ISM).	17
			14499	Other (MARPOL Annex IV)	Calculation of the max discharge rate of untreated sewage is not available on board(ISM).	99
			14402	Sewage treatment plan	Sewage treatment unit inoperative(ISM).	17
			07110	Fire fighting equipment and appliances	Some fire hoses in ER -length more than 15 meters.	17
			18204	Calculation and payment	Payment for last month (January 2015)for the Officers are missing(ISM).	30
			01215	Application for endorsement by flag State	Flag endorsement-application forms expired for second mate and 1st assistant engineer(ISM).	15
			10133	Bridge operation	Radar Log book is not up to dated.	99
			04103	Emergency lighting, batteries and switches	Several emergency lights are not working.	17
			09121	Laundry	Washing machine inoperative(ISM).	17
			15109	Maintenance of the ship and equipment	SOLAS weekly inspection records for LSA and FFE equipment are missing(ISM).	99
			15111	Company verification, review and evaluation	ISM internal audit is to be required within 3 month, deficiencies marked(ISM) are objective evidence of failure or lack of effectiveness of implementation of ISM Code.	18

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15	SGP	Singapore	01315	Oil record book	No oil record book kept onboard	50
			02199	Other (bulk carriers)	Timber code outdated (Edition 1984) latest Edition 2012.	17
			09206	Safe means of access Deck/Hold/Tank, etc.	No protection of personnel provided as required by code of safe practice for ships carrying timber – No lifeline, walkway provided from forward to aft.	17
			10109	Lights, shapes, sound-signals	Stern light – wrong type used.	17
			01139	Maritime Labor Certificate	DMLC Part I and II not sighted onboard.	17
			10117	Echo-sounding device	Echo Sounder – Electro Tracing Pin malfunction since January 2015	17
			07123	Operation of Fire Protection Systems	No test kit available, No more spares onboard for testing of detectors.	17
			18302	Sanitary facilities	Rating toilet, A deck toilet, Hospital toilet, Bridge toilet unable to flush at time of inspection.	17
			18324	Cold room, cold room cleanliness, cold room temperature	Food left stored on floor in vegetable room.	17
			07116	Ventilation	Ventilation flap: Galley, cargo hold # 1 Fwd. (Stbd) – Missing nuts and Pin to Close Flaps.	17

			07103	Division – decks, bulkheads and penetrations	FO vent heads (P) Upper deck – Flame screens missing.	17
			05102	Functional requirements	Weekly GMDSS tests not carried out.	17
			05118	Operation of GMDSS equipment	2nd Officer unable to demo switch over to emergency power for MF/HF DSC	17
			05110	Facilities for reception of marine safety information	Navtex was not switch on for voyage from Solomon to Singapore.	17
			15107	Emergency preparedness	Water ingress system was found power off and alarm in override mode, OOW were unaware of system not powered up.	17
			04108	Muster list	Muster lists in engine room not updated.	17
			15104	Masters responsibility and authority	Master review not sighted onboard.	17
			15102	Company responsibility and authority	Last internal audit was carried out in 2012.	17
			07105	Fire doors/openings in fire-resisting divisions	Upper deck door handle missing, kept open by stopper.	17
			07199	Other (fire safety)	Main cooking hob found with accumulation of oil.	17
			14105	Pumping, piping and discharge arrangements	Drain pipe from save-all purifier space found modified.	17
			07120	Means of escape	Emergency escape hatch – one section found without insulation from bottom platform leading up.	99
			18321	Heating, air conditioning and ventilation	Ventilation – Air Cond. Cooling insufficient, Cabins and walkway feel hot.	17
			15102	Company responsibility and authority	Breakdown of ISM as evidenced from deficiency #02 to # 21	18

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16	USA	New Orleans,	13101	Propulsion main engine	#1 main air compressor is inoperative due to burned stator coil and damaged aft rotor bearing.	17
			15102	Company responsibility and authority	Master and Chief Engineer provided report for inoperable #1 Main Air Compressor one day after casualty but no response from company was received.	17

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17	USA	Tampa, FL	02101	Closing devices/watertight doors	Water tight doors located in starboard side conveyor tunnel AFT of #1 hold, #2 hold, and #4 hold were not watertight during USCG inspection due to residue of cargoes on floor of doors.	30
			02101	Closing devices/watertight doors	This vessel dose not have "Log Entries" of opening and closing watertight doors.	40
			07199	Other (fire safety)	Stairwell doors in decks A,B,C, and D did not fully close.	10
			01201	Certificates for master and officers	The assigned Chief Officer reported to the vessel in Tampa without a license endorsement from Portugal.	17

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18	USA	Houston, Tx.	12107	Fire protection cargo deck area	Deck water system contained significant waste and holes.	30
			02124	Cargo pump room	Motor room had water ingress from bulkhead cable through-way and large servicing hatch motor room aft bulkhead.	30
			12199	Other (tankers)	2 fixed gas sampling points in the lower compressor room were covered / modified from original design.	30
			12199	Other (tankers)	Chief Officer unsure procedures and the LEL test of sampling gas utilized.	17
			02124	Cargo pump room	The self-closing device of entry door of motor room was deteriorated.	17
			07108	Readily availability of fire fighting equipment	Emergency fire pump could not supply adequate pressure to the fire hoses.	17
			15101	Safety and environmental policy	ISM System will be accessed the level of implementation of the approved SMS by external audit.	30