

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

Summary

1.Fire detection

(Smoke detector on bridge deck – Out of order, Failure in the Smoke Detectors of boilers, service generators and lube. Oil pumps, Fire detection system cannot work during inspection, Fire Detector covered with a bag) (4cases)

2.Ventilators, air pipes, casings

(Several air vents broken and holed due to serious corrosion.– No. 1 FOT, N2 Room and No.2 & 4 Void Tank and etc, The sounding pipe of No.3 Ballast Tank portside rusted seriously & broken, Air pipe of No.4 Ballast tank portside rusted & holed.) (2 cases)

3.Fixed fire extinguishing installation

(Vessel has not been complied DGS guideline for CO2 system to ship which has been inducted into Indian flag more than 10 years, The fire line rusted seriously & leaking.) (2cases)

4.Incinerator

(The incinerator cannot be started, Incinerator defective.) (2 cases)

5.Development of plans for shipboard operations

(SMS implementation onboard not satisfactory additional audit to be carried out, SMS implementation on board not satisfactorily for key shipboard operations concerning D/G container required by IMDG) (2cases)

6.Emergency preparedness

(Senior officer not familiar with MSC.350(92) and enclosed space rescue drilling not carried out, Vessel SMS fails to ensure effective implementation of emergency preparedness and SOLAS CH.-9 ISM-EI 8 Preparedness and procedure.) (2 cases)

7.Maintenance of the ship and equipment

(The deficiencies marked (ISM) are objective evidence of a failure or ineffectiveness of implementation of the ISM, Ship's fire-fighting systems not being maintained.) (2 cases)

Details

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-----------|--------|-----------|------------------------------------|---|-----------|
| 1 | AUS | Newcastle | 1 | 15101 | Safety and environmental policy | Crew not familiar with safety and environment policy | 17 |
| | | | 2 | 04108 | Muster list | Muster list not updated as per current crew list. | 17 |
| | | | 3 | 11131 | On board training and instructions | Training manual not specific, working hour on bridge not updated | 17 |
| | | | 4 | 10199 | Other (navigation) | Man overboard procedure not carried out at time of incident on 15th April 2015 at 2200hrs LT. | 17 |
| | | | 5 | 11101 | Lifeboats | Life boat port, unable to start on battery 2. | 17 |
| | | | 6 | 11101 | Lifeboats | Lifeboat port, section of small hatch rubber packing detached and hard wood aft fender support split. | 17 |

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|--|--|--|---|-------|------------------------|---|----|
| | | | 7 | 15107 | Emergency preparedness | Vessel SMS fails to ensure effective implementation of emergency preparedness and SOLAS CH.-9 ISM-EI 8 Preparedness and procedure as evident by deficiencies 1,2,3 and 5. | 30 |
|--|--|--|---|-------|------------------------|---|----|

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-----------|--------|-----------|--|--|-----------|
| 2 | AUS | Gladstone | 1 | 10111 | Charts | AUS245 & AUS819 not corrected (corrections missing on chart) to admiralty notice to mariners. | 17 |
| | | | 2 | 04113 | Water level indicator | Water ingress alarm system displays system fail alarm | 17 |
| | | | 3 | 99102 | Other (SOLAS operational) | Master did not report defective water ingress alarm system to appropriate authorities as required by SOLAS. | 17 |
| | | | 4 | 11113 | Launching arrangements for rescue boats | Crew unable to slew rescue boat davit either by primary and secondary. | 17 |
| | | | 5 | 18432 | Risk evaluation, training and instruction to seafarers | Crew unaware of slewing rescue boat davit by using manual handle. | 17 |
| | | | 6 | 15109 | Maintenance of the ship and equipment | The safety management system as implemented onboard failed to ensure maintenance of the ship and equipment's in accordance with regulations as evidenced by deficiency No.2 to 4 and crew are given proper training to carry out their duties related to us. | 18 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|----------|--------|-----------|---|--|-----------|
| 3 | CHN | Zhoushan | 1 | 01123 | Continuous synopsis record | Original continuous synopsis record not available on board. | 16 |
| | | | 2 | 01320 | Garbage record book | Cargo residues disposal not recorded in garbage record book. | 99 |
| | | | 3 | 15107 | Emergency preparedness | Senior officer not familiar with MSC.350(92) and enclosed space rescue drilling not carried out. | 30 |
| | | | 4 | 04114 | Emergency source of power – Emergency Generator | Emergency generator can not start. | 30 |
| | | | 5 | 07114 | Means of control (opening, pumps, ventilation, etc.) Machinery spaces | The quick closing valve of D.O tank for emergency generator out of order. | 17 |
| | | | 6 | 07115 | Fire-dampers | Fire damp of funnel in E/R (portside) not closed. | 30 |
| | | | 7 | 11101 | Lifeboats | Engine of lifeboat (portside) not started by manual and battery. | 30 |
| | | | 8 | 11101 | Lifeboats | Power charger of lifeboat (portside) out of order. | 17 |
| | | | 9 | 11101 | Lifeboats | Battery capacity of lifeboat (starboard side) not enough. | 17 |
| | | | 10 | 03110 | Manholes/flush scuttles | Manhole of steering gear room corroded seriously. | 16 |
| | | | 11 | 13102 | Auxiliary engine | Pressure gauge of air compressor for emergency generator failure. | 16 |
| | | | 12 | 01108 | Load Lines | Load line cert(no in use) not kept seal in file. | 16 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|---------|--------|-----------|---------------------------------------|--|-----------|
| 4 | CHN | Tianjin | 1 | 99102 | Other (SOLAS operational) | Drill of entering enclosed spaces did not be carried out from 1 Jan. 2015 to now | 16 |
| | | | 2 | 07109 | Fixed fire extinguishing installation | Spare parts of fixed CO2 system – Not found onboard. | 17 |
| | | | 3 | 07106 | Fire detection | Smoke detector on bridge deck – Out of order. | 30 |

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|--|--|----|-------|---|---|----|
| | | 4 | 11101 | Lifeboats | Painters for both lifeboat did not be connected with related unit. | 17 |
| | | 5 | 05115 | Radio log (diary) | Record of radio log book – Not correct. | 17 |
| | | 6 | 10111 | Charts | Navigational warning No.518(T) 2015 did not be corrected on B.A chart 2653. | 17 |
| | | 7 | 01123 | Continuous synopsis record | Issued authority of ISSC Cert. between C.S.R No.9 and ISSC Cert. is different. | 15 |
| | | 8 | 11101 | Lifeboats | Transmission for portside lifeboat – Not be protected properly. | 17 |
| | | 9 | 01320 | Garbage record book | Record of G.R.B on 16 Jan. 2015 – Not correct. | 17 |
| | | 10 | 01315 | Oil record book | Record of O.R.B on 16 Jan. 2015 – Not correct | 17 |
| | | 11 | 13108 | Operation of machinery | Crew in charge of Aux. Boiler did not know how to operate the low water level alarm and flame failing alarm test. | 30 |
| | | 12 | 04114 | Emergency source of power – Emergency Generator | Frequency meter for E/G – Malfunction. | 17 |
| | | 13 | 14608 | Incinerator | The incinerator cannot be started. | 30 |
| | | 14 | 14402 | Sewage treatment plan | The sewage treatment plant – Malfunction. | 30 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|----------------------|--------|-----------|--|---|-----------|
| 5 | CHN | Tianjin Xing gang | 1 | 01315 | Oil record book | The entries in O.R.B---mistaken. | 99 |
| | | | 2 | 05116 | Operation/maintenance | The GMDSS equipment daily test not be carried out since 07-04-2015 | 99 |
| | | | 3 | 07101 | Fire prevention structural integrity | The fire integrity was damaged between bridge electric locker and stairway by electric cable. | 17 |
| | | | 4 | 07115 | Fire-dampers | The fire damper of E/R ventilator closed difficulty. | 17 |
| | | | 5 | 07109 | Fixed fire extinguishing installation | The fire line rusted seriously & leaking. | 30 |
| | | | 6 | 03108 | Ventilators, air pipes, casings | The sounding pipe of No.3 Ballast Tank portside rusted seriously & broken. | 30 |
| | | | 7 | 03108 | Ventilators, air pipes, casings | Air pipe of No.4 Ballast tank portside rusted & holed. | 30 |
| | | | 8 | 07110 | Fire fighting equipment and appliances | One fire extinguisher on main deck in way of mid ship portable in poor condition. | 17 |
| | | | 9 | 03108 | Ventilators, air pipes, casings | Specially supported not be provided for coaming of steering gear room ventilator (exceeds 900mm in height) | 17 |
| | | | 10 | 14102 | Retention of oil on board | No flow in sludge & scum return pipe of S.T.P. | 17 |
| | | | 11 | 01320 | Garbage record book | The entry in G.R.B ---mistaken. | 99 |
| | | | 12 | 10116 | Nautical publications | The N.T.M not up to date. | 17 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|--------|--------|-----------|--|---|-----------|
| 6 | CHN | Ningbo | 1 | 03102 | Freeboard marks | P/S load line mark not clear. | 17 |
| | | | 2 | 12101 | Stowage/packaging of dangerous goods | D/G container (OOLU7789264) located in position 101016 which not comply with requirement of IMDG. | 30 |
| | | | 3 | 04103 | Emergency lighting, batteries and switches | EM'CY light for P/S L/B out of order. | 17 |

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|--|--|--|---|-------|---|--|----|
| | | | 4 | 15106 | Development of plans for shipboard operations | SMS implementation on board not satisfactorily for key shipboard operations concerning D/G container required by IMDG as evidenced by deficiency No.2. Additional audit to be carried out. | 30 |
| | | | 5 | 07110 | Fire fighting equipment and appliances | Valve handles of hydrants at port bay 61 found broken. | 17 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|--------|--------|-----------|---|--|-----------|
| 7 | CHN | Ningbo | 1 | 10116 | Nautical publications | The latest edition for the Admiralty Annual Summary of Notices to Mariners (NP247) not available on board. | 17 |
| | | | 2 | 10116 | Nautical publications | The Catalogue not corrected up to date. | 17 |
| | | | 3 | 05118 | Operation of GMDSS equipment | GMDSS operator cannot operate NBDP. | 17 |
| | | | 4 | 04110 | Abandon ship drills | Abandon vessel drill not accord with SOLAS (Such as lifeboat not maneuvered in water between 3 month, last time 2014-12-24). | 30 |
| | | | 5 | 07106 | Fire detection | Fire detection system cannot work during inspection. | 30 |
| | | | 6 | 99102 | Other (SOLAS operational) | Enclosed space and rescue drill not accord with SOLAS. | 30 |
| | | | 7 | 15106 | Development of plans for shipboard operations | SMS implementation onboard not satisfactory due to item No.3, No.4, No.6 additional audit to be carried out. | 30 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-----------|--------|-----------|--|--|-----------|
| 8 | HKG | Hong Kong | 1 | 11117 | Lifebuoys incl. provision and disposition | Life buoys on bridge wings, smoke signal not secured properly. | 17 |
| | | | 2 | 10114 | Voyage data recorder (VDR)/Simplified Voyage date recorder (S-VDR) | VDR indicating error, unable to demonstrate the cause. | 17 |
| | | | 3 | 18201 | Fitness for duty- work and rest hours | Hour of rest records for Master and C/O before departing Hong Kong ETD 1800 on 8 April 2015 not sufficient rest. | 17 |
| | | | 4 | 10117 | Echo-sounding device | Echo sounder unable to demonstrate the depth of water/UKC defective. | 30 |
| | | | 5 | 05105 | MF/HF radio installation | M/F DSC test to coast station record not available. | 17 |
| | | | 6 | 10110 | Signaling lamp | Navigation stern light (lower) defective. | 17 |
| | | | 7 | 11118 | Lifejackets incl. provision and disposition | Life jacket lights not secured as per requirement. | 17 |
| | | | 8 | 07106 | Fire detection | Galley fire detector oily and partly covered. | 17 |
| | | | 9 | 07105 | Fire doors/openings in fire-resisting divisions | All fire doors in galley kept opened by lashing. | 17 |
| | | | 10 | 07113 | Fire pumps and its pipes | Emergency fire pump not pressurize to fire mains on deck. (more than 15 minutes) | 17 |
| | | | 11 | 07109 | Fixed fire extinguishing installation | CO2 room bottles, numerous found corroded seriously. | 17 |
| | | | 12 | 13199 | Other (machinery) | F`cle store room, hand pump for hydraulic oil to mooring winch leaking and bolts not fit for tightening. | 17 |
| | | | 13 | 13101 | Propulsion main engine | M/E cylinder No.4 and 7, high pressure fuel pump jacketed pipe leaking. | 17 |
| | | | 14 | 14402 | Sewage treatment plan | Sewage treatment plant, unable to demonstrate the test of high level alarm. | 17 |
| | | | 15 | 14104 | Oil filtering equipment | OWS strainer damaged and removed, system defective. | 30 |
| | | | 16 | 07124 | Maintenance of Fire Protection Systems | E/R escape door in lower floor not self-closing completely. | 17 |
| | | | 17 | 18201 | Fitness for duty- work and rest hours | 2/O, Flag endorsement for GMDSS expired on 24 Feb 2015. | 17 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|---------|--------|-----------|---|---|-----------|
| 9 | IDN | Jakarta | 1 | 14501 | Garbage | Garbage categories onboard not confirm as per garbage management plan | 17 |
| | | | 2 | 14599 | Other (MARPOL Annex V) | Garbage record book not correctly recorded | 99 |
| | | | 3 | 05108 | Performance standards for radio equipment | MF/HF test by DC power, failure test | 17 |
| | | | 4 | 10111 | Charts | NGA parallel index abort point for safety navigation on chart not marking | 99 |
| | | | 5 | 04110 | Abandon ship drills | Drill records not confirm with ship activities | 99 |
| | | | 6 | 09216 | Personal equipment | PPE for chemical handling at steering gear not confirm | 17 |
| | | | 7 | 14608 | Incinerator | Incinerator defective | 30 |
| | | | 8 | 15110 | Documentation – ISM | Non conformity report for outstanding deficiency of PSC not available onboard | 99 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|---------|--------|-----------|--|--|-----------|
| 10 | IND | Chennai | 1 | 01315 | Oil record book | Code entered in the oil record book oily bilge water discharge is applicable for full automatic type of olds. – R.O to nearly. | 17 |
| | | | 2 | 09298 | Other (accident prevention) | MSDS for chemical stored in steering gear flat not available for all chemicals. | 17 |
| | | | 3 | 08107 | Machinery controls alarm | Flame failure alarm of incinerator found not working. | 17 |
| | | | 4 | 13102 | Auxiliary engine | Tachometer and No.3 JCW outlet temperature thermometer of A/E No.1 found not working. | 17 |
| | | | 5 | 13102 | Auxiliary engine | Stand by set of battery of emergency generator found not working. | – |
| | | | 6 | 07109 | Fixed fire extinguishing installation | Vessel has not been complied DGS guideline for CO2 system to ship which has been inducted into Indian flag more than 10 years. | 30 |
| | | | 7 | 10103 | Radar | Second radar found out of operation. | 17 |
| | | | 8 | 10114 | Voyage data recorder (VDR)/Simplified Voyage date recorder (S-VDR) | S-VDR float free capsule not working. | 30 |
| | | | 9 | 05199 | Other(radio communication) | Ship's station license not updated for radio equipment. | 17 |

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|------|-----|---------|--------|-----------|---|--|-----------|
| 11 | JPN | Kinuura | 1 | 03199 | Other (load lines) | S-side chain locker in BSN Store – had holes in several place | 99 |
| | | | 2 | 11131 | On board training and instructions | Enclosed space entry and rescue drill – Not conducted within proper period | 99 |
| | | | 3 | 15106 | Development of plans for shipboard operations | Shipboard operations – Cargo information not available on board prior loading cargo | 18 |
| | | | 4 | 03108 | Ventilators, air pipes, casings | Self-closing device on air pipe for No.1 FOT(G) – Not working normally | 17 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-------|--------|-----------|---|--|-----------|
| 12 | KOR | Busan | 1 | 09211 | Steam pipes and pressure pipes | Many pipes in engine room temporarily repaired. | 30 |
| | | | 2 | 02105 | Steering gear | Large gap found between bush and rudder shaft. | 17 |
| | | | 3 | 15106 | Development of plans for shipboard operations | The deficiencies marked (ISM) are objective evidence of a failure or ineffectiveness of implementation of the ISM. | 18 |
| | | | 4 | 15109 | Maintenance of the ship and equipment | No planned maintenance scheme of ship's critical items (CF.steering gear) available. (ISM) | 18 |
| | | | 5 | 15108 | Reports and analysis of NCs, accidents and hazardous occur. | Senior officer not familiar with reporting non-conformity report. (ISM) | 18 |
| | | | 6 | 02105 | Steering gear | No maintenance record or steering gear available. (ISM) | 30 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-------|--------|-----------|---|---|-----------|
| 13 | KOR | Ulsan | 1 | 10111 | Charts | BA chart (896, 898) – Small correction not carried out. | 17 |
| | | | 2 | 10116 | Nautical publications | Sailing direction NP43 not up to dated. | 17 |
| | | | 3 | 03108 | Ventilators, air pipes, casings | Several air vents broken and holed due to serious corrosion.– No. 1 FOT, N2 Room and No.2 & 4 Void Tank and etc. (ISM) – Cargo handling store – N2 room – NO. 2 & 4 VOID TANK – NO. 4 & 5 BALLAST TANK – SAMPLE LOCKER(STB'D) – CO2 ROOM – F.W.TANK(BOTH SIDE) – BATTERY ROOM | 30 |
| | | | 4 | 02111 | Beams, frames, floors – corrosion | Anchor chain pipe starboard side in Bosun store, holed due to serious corrosion. (ISM) | 17 |
| | | | 5 | 14402 | Sewage treatment plan | Sewage treatment plant – Air pump not working. | 17 |
| | | | 6 | 07113 | Fire pumps and its pipes | Fire main line on F cle deck leaking. (ISM) | 17 |
| | | | 7 | 12108 | Personal protection | Emergency eye wash equipment's (3 points) defective. | 17 |
| | | | 8 | 14107 | Oil discharge monitoring and control system | Oil discharge monitoring equipment not working. | 17 |
| | | | 9 | 15109 | Maintenance of the ship and equipment | The deficiencies marked (ISM) are objective evidence of a failure or ineffectiveness of implementation of the ISM. | 30 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|---------|--------|-----------|--|---|-----------|
| 14 | TWN | Keelung | 1 | 10104 | Gyro compass | Gyro compass out of order. | 30 |
| | | | 2 | 02132 | Water level detectors on single hold cargo ships | Water level detection alarm for cargo hold out of order. | 30 |
| | | | 3 | 07122 | Fire control plan | Fire plan not in place and 1 pc need classification approved. | 17 |
| | | | 4 | 10116 | Nautical publications | Notice to marine (weekly 4-14) not on board. | 30 |
| | | | 5 | 07106 | Fire detection | Fire alarm's tested equipment to be supplied on board. | 17 |

| | | | | | | | |
|--|--|--|----|-------|-----------------------------|--|----|
| | | | 6 | 07116 | Ventilation | Emergency closing device for starboard side E/R vent head to be closed and found funnel corrosion two holes. | 30 |
| | | | 7 | 09106 | Sanitary facilities | W.C. for crew's all out of order. | 30 |
| | | | 8 | 13199 | Other (machinery) | Auto star and stop system for Aux. Boiler out of order. | 17 |
| | | | 9 | 13199 | Other (machinery) | Some equipment on 100V and 440V electric panel earth ground seriously. | 17 |
| | | | 10 | 14104 | Oil filtering equipment | 15ppm oily water separator to be overhauled. | 17 |
| | | | 11 | 13199 | Other (machinery) | Auto star and stop system for air compressor out of order. | 17 |
| | | | 12 | 14199 | Other (MARPOL Annex I) | Found lots of LO in steering gear room to be repaired and cleaned. | 17 |
| | | | 13 | 09298 | Other (accident prevention) | Anti-slip floor to be fitted in steering gear room. | 17 |

| CASE | PSC | PORT | NUMBER | Def. Code | Item | Nature of deficiency | Act. Code |
|------|-----|-------------|--------|-----------|---------------------------------------|---|-----------|
| 15 | USA | New Orleans | 1 | 07106 | Fire detection | Failure in the Smoke Detectors of boilers, service generators and lube. Oil pumps. | 30 |
| | | | 2 | 15109 | Maintenance of the ship and equipment | Crew was unable to provide instructions for testing procedures for smoke detector and maintenance plan does not identify testing. | b |

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|------|-----|-----------------|--------|-----------|---|---|-----------|
| 16 | USA | New Orleans, LA | 1 | 07111 | Personal equipment for fire safety | All SCBA's sent ashore together for maintenance. | 30b |
| | | | 2 | 07106 | Fire detection | Fire Detector covered with a bag | 30b |
| | | | 3 | 15109 | Maintenance of the ship and equipment | Ship's fire-fighting systems not being maintained | 30b |
| | | | 4 | 07118 | International shore connection | Fire Doors tied back. | 50b |
| | | | 5 | 07108 | Readily availability of fire fighting equipment | Fire Hose missing nozzle | 10c |
| | | | 6 | 07106 | Fire detection | Heat Detector test equipment missing. | 17c |
| | | | 7 | 99100 | Other | Ballast Water Mgmt Plan showed wrong ballast capacity | 40a |
| | | | 8 | 99100 | Other | Oil level gauge in E/R held open | 10c |
| | | | 9 | 06102 | Grain | DOA referenced the wrong trim/stability dwg. | 16a |

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|------|-----|-------------------------|--------|-----------|---------------------------------------|---|-----------|
| 17 | USA | Big Stone Anchorage, DE | 1 | 13101 | Propulsion main engine | Main Engine No.4 Cylinder Fuel Injection Pump Plunger and Barrel has been damaged. | 17 |
| | | | 2 | 15109 | Maintenance of the ship and equipment | Due PMS regular maintenance on M/E fuel pumps between 15000 and 16000 running hours. According to onboard records maintenance did not occur till almost 36000 running hours had passed. | 50 |