

CHECKLIST
BASED ON PSC DEFICIENCIES

Note: This checklist is based on PSC deficiencies noted on ships in year 2016 and do not cover the whole requirements of Conventions or Regulations.

Certification and Class reports

Item	Common deficiencies	Check items	Finding	Corrective Action
Statutory / mandatory certificates	<p>No Chief Engineer on board- Manning not in accordance with minimum safe manning document.</p> <p>Found all vessels statutory certificates expired- except the certificates DOC, SMC and ISSC.</p> <p>Ship owned multiple load-line certificates on board, but unused one not kept in a sealed envelope.</p> <p>Ship sanitation control certificate and vessel's P&I certificates not on board.</p> <p>MLC Certificate not on board.</p>	<p>Is Manning as per minimum safe manning document?</p> <p>Are all mandatory statutory certificates applicable are valid?</p> <p>Are unused certificate placed as per flag requirement?</p> <p>Is valid Ship sanitation and P&I certificates on board?</p> <p>Are all mandatory statutory certificates original copies on board?</p>		
Class Status Report	The class status report is not up date.	Is updated class status survey available on board?		
Certificate of Master and officers	<p>Chief Engineer's COC expired (11.08.2016) during the voyage. (Reported at the commencement of this inspection.</p> <p>Following crew not holding flag endorsement : 2nd/OFF & CH/ENG.</p>	Are all crew is in possession of valid STCW certificate as required by the safe manning requirement?		
Documents	<p>Certificates davits, winches and cranes expired.</p> <p>Numbers of shipboard oil response equipments in SOPEP not stated.</p>	<p>Is vessel in possession of valid servicing certificate of davit and winch required as per SOLAS?</p> <p>Are equipment listed in SOPEP maintained and SOPEP reviewed for applicable</p>		

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	<p>The correction in garbage record book - 2nd engineer's signature missing.</p> <p>and</p> <p>Corrected entries found in oil record book without the signature of the officer in charge.</p> <p>Rest hour records not filled up appropriately.</p> <p>IAMSAR manual Vol III old edition.</p> <p>On board complain procedure not on board.</p> <p>Amendments & Index of amendments for CSR document no. 8 not available on board.</p> <p>The document or certificate to approve the ship's MLC 2006 compliance was unable to be presented for PSC's verification.</p> <p>Medical certificate expired - Two crew members with expired medical certificates.</p>	<p>equipment?</p> <p>Is correction under mandatory document/ record has been supported by signature of responsible person?</p> <p>Are all ship board person following MLC requirement and record are maintained?</p> <p>Are all mandatory emergency publication of are maintain on board?</p> <p>Are all ship board person following MLC requirement and procedure followed?</p> <p>Are mandatory records including amendment record of document available on board?</p> <p>Are all mandatory statutory certificates applicable are valid and available?</p> <p>Are all crew in possession of valid medical certificate?</p>		
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Hull & Deck Related

Item	Common deficiencies	Check items	Finding	Corrective Action
Load lines & Draft marks	Load line mark - not consisted with load line certificate Draft marks not permanent visible	Are Load line marking and draft mark painted and visible and permanently marked?		
Ship Identification details	IMO No. and ship's name (aft) not clear	Are IMO No. are marked as per SOLAS XI-1?		
Deformation and damages of deck and hull parts	The shell plating of the lower and upper bow/forecastle area found damage, heavily buckled and holed in different area due to collision accident occurred 24/06/2016. Also fore peak tank holed. Beams, frames etc. damaged, inside the fore peak tank and in the bosun store in forecastle area due to the collision accident, occurred 26/06/2016	If the vessel had any collision/damage on the hull part ,was the same reported to class and flag? Was the vessel issued with COC or permanent repair carried out?		
Hull/ deck corrosion	There are excessive corrosion on main deck, hull and structural port/stbd. Accommodation superstructure lights brackets were found heavily wasted.	Are vessel weather deck are/superstructure maintained?		
Ventilators and Air pipes	Most air pipes on deck rusted and poor Maintenance Ventilators, air pipes, casings not as required – Vent head water ballast tank 3 starboard, floater blocked by wire mesh.	Are items fitted on weather deck e.g air pipe/ventilator are maintained as per regulation requirement specially wire mesh and casing?		

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<p>Water and weather tight openings</p>	<p>W/T door located on main deck for compressor room both side were noted with wasted sides and steering gear room entrance door located on poop deck had a dog missing.</p> <p>Galley sky light plate corroded and wasted. This sky light located on aft of accommodation on B deck.</p>	<p>Are watertight doors/ sky light on superstructure are maintained?</p>		
<p>Cargo Securing arrangements</p>	<p>Numbers of heavily wasted and unusable portable cargo securing devices e.g. lashing bars, two buckles twist leaks etc. were kept on deck mixing with usable ones.</p> <p>The ship's personnel in charge of cargo operations was unable to demonstrate a good familiarity to the ship's cargo securing manual.</p>	<p>Are equipment / devices are clearly marked placed in designated area?</p> <p>Are personnel are familiar with shipboard operation and procedure?</p>		
<p>Deck Machinery and equipments</p>	<p>Bunker davit arms and foundation found rusted and not maintained</p> <p>Catwalk ladder steps corroded /rusted.</p> <p>SWL marking on gangway bottom platform is faded on way.</p> <p>Port accommodation stanchion upright securing device not working.</p> <p>Fenders around the vessel to be replaced and repaired</p>	<p>All deck equipment are maintained properly and equipment are marked for applicable SWL?</p> <p>Are all deck machinery / equipment are maintained properly as per PMS?</p>		

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	<p>Position indicator open and close not marked in ventilator of steering gear room.</p> <p>Cargo water ingress system not functioning.</p> <p>Electric cable penetration not sealed in cable & pipe duct room at A, B, C Deck.</p> <p>Mooring winch on poop deck leaking hydraulic oil.</p> <p>Both pilot ladders are not certified by the manufacturer as complying with the requirement of SOLAS Chapter V, Regulation 23 and IMO Resolution A.1045(27).</p>	<p>Are pilot ladder placed onboard, After 01/07/2012 are carrying certificate?</p>		
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Propulsion & Auxiliary Machinery

Item	Common deficiencies	Check items	Finding	Corrective Action
<p>Main Propulsion - main engine ; Aux., engines</p>	<p>Propulsion and Auxiliary machinery- At time of inspection there is an overhauling of main engine cylinder head exhausted No. 2 without permission taken.</p> <p>The aux. engine no. 2 found with D.O. leakage.</p> <p>Control Room - Port main engine RPM and turbo "A" RPM are not working.</p> <p>Temperature gauges for M/E jacket cooling SYS, air compressor.</p> <p>Aux. Eng. Jacket cooler S.W. line holed.</p>	<p>Are shipboard personnel are aware about Port operation requirement?</p> <p>Are engine room machinery are maintained as per PMS?</p>		

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	<p>Boiler level indicator malfunction.</p> <p>Aux. generator #2 - Leakage on machinery and sighted underneath oil accumulation.</p> <p>A/E No. 3 sump was full of black oil and dirty.</p> <p>The insulation of 220 V low.</p> <p>F.O .circulating pump #1 & 2 seal found leaking.</p>			
Emergency Generator and Emergency equipment	Emergency generator out of order not possible to test. Stern and Bow thrusters out of order no possible test.	Are Shipboard critical machinery tested as per PMS and Equipment are maintained properly?		
Steering Gear	During testing Emergency steering system was not ready for emergency use found.	Are Shipboard Emergency Equipment tested as per regulation and maintained as per PMS ?		
Alarm	<p>UMS alarm in C/E cabin malfunction and visual alarm in 2nd/ENG cabin not Operational.</p> <p>Cargo pump temp. monitoring SYS in CCR not operational.</p>	Are Shipboard Equipment are regularly tested and maintained as per PMS ?		

Fire Safety Measures

Item	Common deficiencies	Check items	Finding	Corrective Action
Quick Closing valves/ Devices	Quick closes valves #7, #16 for MGO service and HFO storage were disconnected from the pneumatic control air preventing them from closing in the event of an emergency	Are all the quick closing valves tested on regular basis for proper operation and the crew is familiarise with the operation of the same in case of emergency?		

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Cleanliness of E/R spaces	Following location in E/R oily & dirty (fire hazard) - E/R bilge wells - Purifier area, A/Es. Bunker samples found kept in steering gear room where no fire fighting arrangement is available	Are E/R spaces kept free of oil traces and cleaned regularly to avoid any fire risk? Are bunker samples stored in designated safe place to avoid any fire risk?		
Emergency Fire pump	Emergency fire pump is not operational since 08/08/2016 as starting system is defective – not properly maintained.	Is the Emergency fire pump maintained in proper operational condition at all the times?		
Fire detection and Alarm system	Fire safety measures - fire detection and alarm system installed on board malfunctioning. and Fixed gas sampling system in the disconnected position and when crew was asked to turn on the system multiple faults appeared.	Are Fire Fighting / Fire detection equipment are tested regularly and maintained properly as per regulation?		
Fire fighting equipments	Busted sprinkler No. 4 nozzles PS/STBD to be replaced. And Fire lines at No. 2 cargo hold position water leaking. and Fire hose box fixing bracket on L/B Deck (P) corroded seriously. and Fire pumps & its pipes - Deck isolation valve not fully closed Fixed / portable fire extinguishers system expired inspection. and Fi-Fi system no records of testing found on ship. Responsible officers unfamiliar with the operation /maintenance of critical fire	Are Fire Fighting equipments are tested regularly and maintained properly as per regulation? Are all the crew given relevant familiarization training, participated in drills towards Fire fighting equipments available onboard		

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	extinguishing system (Hypermist).			
EEBD, SCBA	EEBD for training not marked. and Annual inspection of the self contained breathing apparatus with expire date.	Are all Shipboard Personnel are aware and trained for equipment as per SOLAS Training manual and equipments are maintained as per regulation?		
Fire Prevention	Self-closing fire doors of steering gear room kept open by ropes. and Fire doors/openings in fire-resisting divisions malfunctioning - Three fire doors in accommodation found not closed properly The fire integrity of deck between bridge deck and "C" deck was destroyed and this penetration was not sealed properly. The waste storage bins being used inside the ship's accommodation areas were not made of non-combustible materials.	Are all Shipboard Fire Prevention equipment are tested and maintained as per regulation?		
Symbols and signs	IMO symbol of fire control plan to indicated its location not available.	Are all relevant IMO symbols provided for the FFAs.		
Maintenance of Fire fighting equipments	Weighting device not provided in CO2 room.	Are the testing/ measuring equipments provided for CO2 measurement.		

Life Saving Appliances

Item	Common deficiencies	Check items	Finding	Corrective Action
Lifeboats/ Rescueboat	Crew lowered portside lifeboat on water without report to local MSA.	Are the lifeboats/ rescue-boats lowered at regular intervals as per SOLAS requirements and records for the same is maintained?		

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	<p>Life boats entrance door rubber seal defective. Life boat access ladder is broken.</p> <p>The port side lifeboat's engine was unable to be started up using No. 2 battery set for operational test. and Some buoyant lifeline around the outside of the stbd side lifeboat deteriorated.</p> <p>Public address repeat on port side malfunction.</p> <p>Life saving appliance – Training manuals missing (Recreation rooms).</p>	<p>Are all LSA Equipment are tested regularly and maintained as per SOLAS Chapter III for weekly, monthly schedule.</p> <p>Are the public address systems checked for proper functioning regularly?</p> <p>Are the relevant training manuals, drill records, familiarization training records for all crew towards LSA equipment available onboard.</p>		
Life-raft	<p>Life-raft annual servicing overdue.</p> <p>HRU line of the life-raft not secured properly.</p> <p>Weekly inspection for survival appliance not record into deck log book.</p>	<p>Are all LSA Equipment are maintained and records for same available as per SOLAS Chapter III .</p>		

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Life Jackets	Lifejacket retro-reflecting tape variously defective RCR lifejacket whistle missing.	Are all LSA Equipment are checked and maintained as per SOLAS Chapter III.		
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Safety of Navigation

Item	Common deficiencies	Check items	Finding	Corrective Action
Charts	Chart & publications not up to date. Last notices to mariners not on board.	Are all Nautical Publication Charts are maintained as per SOLAS Chapter V.		
Lights	ALDIS lamp not operational.	Are all navigation lights tested on regular basis for proper working condition		
VDR/S-VDR, Echo sounder	SVDR not working, same deficiency has raised in last PSC inspection on 2014 (not rectified) Ship equipped with ECDIS 2nd officer without specific training.	Is the bridge navigation equipment well maintained as per SMS. All records of the maintenance relevant to navigation equipment available onboard		
Bridge navigation equipment	Bridge magnetic compass deviation more than 32 degree West. and Bridge auto pilot not working. and Echo sounder not working. and Wheel rudder indicator to be adjusted to the rest of indicators on bridge and	Are compass & Navigational equipment are maintained and records for same available as per SOLAS Chapter V requirement?		

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	<p>the steering gear room and BNWAS power loss alarm defective</p> <p>One window wiper of navigation bridge is not working properly, should be renewed.</p>	<p>Are window wipers been regularly tested for proper operation</p>		
AIS	<p>AIS Annual testing expired.</p>	<p>Are AIS tested and Records maintained as per SOLAS ?</p>		

Radio Equipment

Item	Common deficiencies	Check items	Finding	Corrective Action
Battery	<p>Convertor RM battery charging & discharging board indicated control source fail alarm and two earth lamps unlit.</p> <p>Capacity test record for GMDSS batteries not available on board.</p> <p>No record of renewal of batteries.</p>	<p>Is a record of testing, maintenance and renewal for battery and charging equipments available onboard and Record of same maintained as per SOLAS Chapter IV?</p>		

MARPOL-ANNEX I

Item	Common deficiencies	Check items	Finding	Corrective Action
Oily water separator and filtering equipment	<p>Oily water separator inoperative.</p> <p>ODME printer not working properly.</p> <p>The safety valve of OWS</p>	<p>Are oil water separator / ODME Equipment are tested regularly maintained as per regulation and Records of Calibration and Notices are placed as per Annex I?</p>		

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	<p>found seized.</p> <p>One gauge to 15 ppm bilge separator found malfunction.</p> <p>Three way valve of OWS inoperative during the operational fleet of OWS and 15 ppm.</p>			
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MARPOL-ANNEX IV

Item	Common deficiencies	Check items	Finding	Corrective Action
Sewage treatment plant	<p>Sewage treatment discharge pump out of service.</p> <p>Discharge rate form of holding tank not provided during inspection.</p> <p>High level alarm of sewage treatment plant testing in failure.</p>	<p>Is the sewage treatment plant and related equipment properly maintained?</p> <p>Is the record for discharge rate for the plant available onboard?</p> <p>Are all safety cut-outs and related equipments tested timely and record for the same is available?</p>		

MARPOL-ANNEX V

Item	Common deficiencies	Check items	Finding	Corrective Action
Garbage	<p>Master has not verified GRB.</p> <p>Garbage separation not carried out properly.</p>	<p><i>Following questionnaire is relevant to this section:</i></p> <p>Is Garbage record book properly maintained?</p> <p>Is garbage properly segregated at all times.</p> <p>Is garbage management plan displayed at relevant locations</p>		

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		and is the crew aware of the same.		
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MARPOL-ANNEX VI

Item	Common deficiencies	Check items	Finding	Corrective Action
Incinerator	Incinerator gauge defective. The inter lock of Ash door for incinerator failed.	Is incinerator and related safety equipments maintained and records of the same are available		
Ozone Depleting substances	Ozone Depleting Record Book (ODRB) not updated.	Is record book been maintained for Ozone Depleting substances		
Fuel Quality	Quality of fuel oil - Fuel sulphur content too high.	Is fuel oil quality report checked for required parameters.		

ISM Code

Item	Common deficiencies	Check items	Finding	Corrective Action
ISM Code	There is clear evidence the ship does not substantially comply with the requirements of the ISM Code - Ref. ISM 10.2 The safety management system as implemented on board failed to ensure compliance with ISM Code relating to shipboard operating and emergency preparedness, required to conduct new audit. ISM - Last SMS master review not available. Internal safety audit and corrective action is required within 3 months. Deficiency(s) marked ISM is (are) objective evidence	Are all Shipboard person are familiar with company policy and shipboard operation and their duties; The equipment are maintained as per SMS requirement. Are all Shipboard operation procedure are followed and records of same maintained.		

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	<p>of a failure, or lack of effectiveness, of the implementation of the ISM Code.</p> <p>Master was unable to provide required informations at the time of inspection. Company ISM procedure has not been followed.</p>			
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ISPS Code

ISPS Code	<p>Wrong ship name displayed found STB Bow & Stern Area.</p> <p>Battery room as restricted area not locked as per requirement of ship's ISPS plan.</p> <p>and</p> <p>Access control found not exercised in air gangway.</p> <p>Incomplete searching procedures</p> <p>Crew did not follow the procedure for filling record of gangway log book.</p>	<p>Are all crew are familiar with their duties as per ISPS and All area in the vessel are marked and controlled as per SSP.</p>		
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MLC 2006

Item	Common deficiencies	Check items	Finding	Corrective Action
Conditions of Employment	<p>Seafarers Employment Agreements expired-repatriation of affected seafarers overdue</p> <p>Calculation and payment of wages, No records of wages to seafarers from the company.</p>	<p>Are there any seafarers onboard with expired Seafarers Employment Agreements?</p> <p>Are monthly statements and timely wages given to all seafarers on board?</p>		
Food & Catering	<p>Onboard no proper supply of food items.</p>	<p>Are sufficient fresh fruits, vegetables and provisions available for the intended voyage?</p>		
Living conditions	<p>Medical locker with expired medicine.</p> <p>Navigational bridge space A/C system is defective.</p> <p>Stevedores room to be cleaned mattresses to be replaced, floor to be covered.</p> <p>Sanitary facilities damaged master bathroom ceramic sink cracked.</p> <p>Cockroaches found in galley during inspection.</p>	<p>Are expired medicines disposed off appropriately?</p> <p>Are A/C systems maintained and inspected for proper good working conditions?</p> <p>Are regular inspections being carried out in of accommodation spaces and defects corrected?</p> <p>Are all the taps, toilet flushes & shower in working order and defects, if any rectified?</p> <p>Are the work surface of gallery & its equipment maintained in good condition and are they cleaned and disinfected at regular intervals?</p>		

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<p>Working Conditions</p>	<p>Engine Control Room and Engine Room to be cleaned. <i>And</i> Drums in steering not secured. These could move and damage equipment or injure personnel</p> <p>Insulating rubber mat for engine electric switch boards not good enough.</p> <p>D/G level several steel flooring plates not fastened to frames.</p> <p>Starboard gangway inoperative.</p> <p>Unauthorized electrical installation on bridge deck</p>	<p>Is the housekeeping of ECR/ ER carried out and kept clean & tidy?</p> <p>Are all loose glass secured in ECR/ER?</p> <p>Are Electrical protection equipments provided at relevant locations?</p> <p>Are all E/R floor plates secured properly?</p> <p>Are Embarkation arrangements in good order and operational?</p> <p>Are all modifications to electrical installations been authorized?</p>		
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