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MARITIME

PSC FOCUS ITEMS

Top detainable items checklist

In order to assist vessel managers ensuring their vessels are in compliance with class and international conventions DNV GL has created a list of the most frequent detainable items found during PSC inspections on DNV GL classed vessels.

This list will be given special focus by DNV GL surveyors during periodical surveys helping owners to avoid detentions. The list may also be used by owners for preparation for port arrivals and class surveys to ensure efficient expedition of surveys.

In addition to the listed technical items failure of ISM is still the most frequently recorded deficiency by PSC. Ensuring that an effective Safety Management System is properly implemented onboard is the best foundation to reduce the risk of detention.

ASSISTANCE

Always remember to report any technical failures occurred during voyage to Port State Authorities in advance of port arrival to avoid detentions. In case of detentions related to certificates issued by DNV GL owner is obliged to inform class immediately and request surveyor attendance. DNV GL will then be in position to give prompt assistance for release of the vessel.

For general requests on PSC, please contact us on psc@dnvgl.com.

For technical questions related to specific technical disciplines please register a case through My.DNVGL.com or send an email to date@dnvgl.com.

PSC TOP DETAINABLE ITEMS CHECKLIST

NO.	MAIN AREA/ FUNCTION	DNV GL PRODUCT MODEL ITEM	SUPPLEMENTARY GUIDANCE	DATE TESTED/VERIFIED
1.	Hull damage impairing seaworthiness	Ship hull structure	Examine as far as can be seen the hull and its closing appliances. Confirm no damages since last survey.	
2.	Ventilators, air pipes, casings	Air pipes	Examine air pipes including coamings and closing appliances	
3.	Fire-dampers	Ventilation systems	Examine all fire dampers: ■ Examine condition and verify operation and marking of open/close position	
4.	Fire doors/openings in fire-resisting divisions	Structural fire protection arrangements	Examine and witness function testing of all manual and automatic fire doors	
5.	Fixed fire extinguishing installation	Machinery spaces fixed local application water spraying fire extinguishing system	Examine condition: ■ Test if deemed necessary ■ Verfy that its means of operation is clearly marked ■ Verify that periodical testing by approved service provider has been performed	
		Machinery spaces fixed fire extinguishing system	Examine condition: ■ Test if deemed necessary ■ Verfy that its means of operation is clearly marked ■ For foam systems, verify that periodical testing of the foam by approved service provider has been performed	
		Fire extinguishing equipment, mobile	Verify number and check: ■ Condition of non-portable and portable fire extinguishers ■ Portable foam applicators ■ Verify according to the Fire Control Plan	
6.	Fire pump and its pipes	Fire water system	Examine and witness testing of: ■ Fire pumps ■ Fire mains ■ Hydrants and hoses ■ Examine international shore connection	
7.	Emergency fire pump and its pipes	Fire water system	Examine and witness testing of: ■ Fire pumps ■ Fire mains ■ Hydrants and hoses ■ Examine international shore connection	
8.	Fire detection	Fire detection and alarm system	Examine and witness function test	
9.	Jacketed high pressure lines and oil leakage alarm	Fuel oil system	For all applicable engines, witness integrity and function testing of: ■ Jacketed high pressure fuel injection piping system ■ Shielding of flammable oil piping system	

NO.	MAIN AREA/ FUNCTION	DNV GL PRODUCT MODEL ITEM	SUPPLEMENTARY GUIDANCE	DATE TESTED/VERIFIED
10.	Means of control (opening, pumps) Machinery spaces	Quick closing arrangements	Examine and test remote operation of quick closing valves on tanks for fuel oil, lubrication oil and other flammable oils	
11.	Oil filtering equipment	Oily bilge water system	Examine oil filtering equipment externally and verify no modification of piping	
12.	15 PPM alarm arrangements	Oily bilge water system	Witness testing of automatic discharge stopping device and oil filtering equipment alarm	
13.	Emergency lighting, batteries and switches	Lighting arrangement	Examine the normal, emergency and supplementary lighting systems ■ Examine visually and in operation, as far as practicable	
14.	Emergency source of power – Emergency generator	Emergency electric power system	Examine with respect to general condition, fire hazard personnel safety and function	
15.	Lifeboats	Lifeboat arrangements, conventional	Test launching appliances: ■ Each lifeboat should be lowered, at least one to the water	
		Lifeboats, conventional	Witness testing of engine for each lifeboat: ■ Shall start satisfactorily and operate both ahead and astern	
		Lifeboats, arrangements, free-fall	Examine embarkation and launching arrangements for each lifeboat	
		Lifeboats, free-fall	Witness testing of engine for each lifeboat: ■ Shall start satisfactorily and operate both ahead and astern	
		Lifeboats, arrangements, hyperbaric	Examine embarkation and launching arrangements for each lifeboat: ■ Each lifeboat should be lowered, at least one to the water	
		Lifeboats, hyperbaric	Witness testing of engine for each lifeboat: ■ Shall start satisfactorily and operate both ahead and astern	
16.	Rescue boats	Rescue boats	Witness testing of engine for each rescue boat ■ Shall start satisfactorily and operate both ahead and astern	
17.	Launching arrangements for survival craft	Liferaft arrangements, davit launchable	Test launching appliances	
18.	Sewage treatment plan	Sewage system	Examine externally and verify satisfactory operation	

PSC TOOLKIT

DNV GL PSC Toolkit is a collection of useful tools created to support Masters and crew preparing for Port State Control (PSC) inspections and help reduce the risk of detentions as well as add to ship's safety. The DNV GL PSC Toolkit is intended to be a supplement to the vessel´s existing on-board Maintenance and Safety Management System.

The DNV GL PSC Tool Kit consists of:

- A software called " PSC Guide Wizard" generating checklists
- A user manual for the software showing how it can be customized
- A flowchart called "Master's quick guide for PSC inspections"
- A handy booklet called "Port State Control Quick Guide"
- Awareness posters in A3 format showing "Good practice" and "Bad practice"
- A chapter with introduction to Port State Control, including overview over PSC Regimes

Dedicated areas to store:

- blank and used checklists from the software
- PSC inspection and related rectification reports
- the latest information on PSC topics, including updates on Concentrated Inspection Campaigns
- information on courses and seminars arranged by DNV GL
- ship specific information related to PSC or other useful PSC documents

ORDERING

Place your order through your regional DNV GL Maritime office.

For general information of PSC issues, contact: psc@dnvgl.com