

Master's Check List

Preventive Maintenance & Port State Control

July 2006



Master's Check List

- Improve safety, reduce losses and breakdowns
- Enhance on board maintenance
- Comply with applicable safety, security, and pollution prevention requirements
- Avoid off-hire, Port State detention and targeting

Please note:

This list includes the most common and critical deficiencies based on recent statistics and experience, requiring frequent maintenance onboard. Therefore, it is neither a comprehensive list that includes all possible deficiencies nor a substitute for the operator's own maintenance scheme. In particular, hull structure and machinery are not covered in detail.

In addition to hardware deficiencies, a number of operational deficiencies and those related to ISM and ISPS Codes are also included. An effective Safety Management System onboard, well supported by company resources, will significantly reduce the likelihood of the ship being detained.

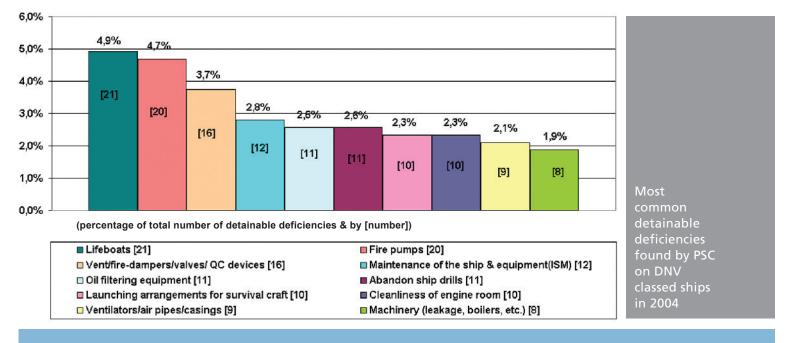
Special national Port State requirements are not included in the check list and should be checked separately before arriving at each port. It is also advisable that the websites of the major PSC regimes are monitored regularly in order

to be prepared for planned concentrated inspection campaigns (CIC). The same holds true for important new regulatory information and guidance posted by flag states.

This list may be used regularly on a voluntary and advisory basis as a supplement to operator's maintenance scheme to meet responsibilities for adequate maintenance onboard.

Discovered deficiencies are to be promptly rectified or reported to DNV, Flag Administration and/or Port Authorities as appropriate. The owner should keep onboard a record of identified deficiencies and their rectification actions.

If you are not in agreement that the detention of your ship is warranted, you have the right to appeal. Most of the PSC regimes have published appeal procedures that could be found on their websites.



If your ship is detained, contact your local DNV office immediately for assistance and request attendance. The DNV surveyor will facilitate rectification of deficiencies, verify compliance with the applicable requirements and expedite release of the ship.

DNV ID No.:	Ships' Name:	
	Jinps Nume.	

	Check with respect to	1)
Master's office & responsibilities	PSC inspections commence in the Master's office.	
Ship certificates & documents	Original copies available, validity, stamps, signatures, endorsements & entries	
Crew (STCW)	All personnel adequately certificated and documents available, records of rest, etc.	
• SOPEP	Approved, updated and contact details included	
	Master to be familiar and have understanding of the Safety Management System (ISM	
ISM & ISPS Code	Code) and Ship & Port Security Code (ISPS). All documents approved, updated &	
	available (see also ISM & ISPS related in next page)	
Accommodation (ILO)		
Sanitary facilities	Sufficient, not damaged, clean.	
Ventilation, heating, lighting	In good working condition and clearly marked.	
Galley/handling spaces	Cleanliness, satisfactory arrangements and supply of hot & fresh cold water	
Fire fighting measures	Fire doors operative and in good condition; fire detectors & fire fighting equipment	
	available, in place and in working order.	
• Fire control plan	In place and up to date.	
Means of escape	Marking of escape routes and unobstructed	
Bridge		
• Radar	In good operating condition	
Magnetic compass	Easily readable, last calibration (updated deviation card)	
Lights, shapes, sound-signals	In good operating condition	
Nautical charts & publications	Provided on board and validity/up-to-date	
• Echo sounder	Functioning correctly	
Radio / GMDSS	Installations (Main, MF, MF/HF) in operating condition, tools & spare parts	
VHF installation	In good operating condition including DSC performance	
INMARSAT-C / EGC	In good operating condition	
• EPIRB	Validity of battery and hydrostatic release, updated maintenance records	
Ship's radar transponder	Correctly located, battery expiry date	
• NAVTEX	Good performance	
. F' 1'		
• Fire detection	Main control panel and alarm bells in operating condition	
Deck		
Deck Decks, Bulkheads	Corrosion/pitting, cracks, buckling and other damage	
DeckDecks, BulkheadsRailings/cat walks	Corrosion/pitting, cracks, buckling and other damage Corrosion/wastage, cracks, buckling, missing parts etc.	
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1): X = In order	N = Not ch	hecked	R = Deficient	N	A = Not applicable
Date:		Signature:			Ship Stamp:
Place:		Name:			

Main area / item	Check with respect to		
Fire fighting measures	(See also Engine room and Accommodation)		
Fire detection	Fire detectors in place and as required		
Fire doors	Operative and in good condition		
Fire fighting equipment	Ready availability, portable fire extinguishers; number, position, last service		
Fixed fire extinguishing installation	Operating condition and latest service report		
Fire dampers, means of control, vent.	Operating condition, seized/corroded, clearly marked		
Main & emergency fire pumps	Operating condition, easily started and fire lines have sufficient pressure		
Life saving appliances			
• Lifeboats	Condition of hull and attachments, inventory as required & in date, proper stowage		
Rescue boats	Engine start, condition of hooks & attachments, inventory, proper stowage	+	
Life rafts	Number, auto-release, condition, last service date, proper stowage	+	
Launching arrangement	Condition for launching and brakes, well maintained lifeboat davit	+	
Life buoys	Correct number, good condition, marking, lights, quick release, lifelines etc.	+	
Life jackets & immersion suits	Correct number, good condition, lights, whistles retro-reflective tape, marking	+	
Emergency equip. for 2-way	Operating condition, spare batteries, validity	+	
Embarkation arrangements	Ladders, deck area and clear of obstructions	+	
Load lines related	(See also Deck area)		
Loading/stability manual	Approved and with latest intact stability information	_	
• Freeboard marks	Marking and position (port & starboard side)		
Overloading	Ship not overloaded		
MARPOL related	(See also Engine room – ref. MARPOL, Annex I- oil pollution)		
Annex II (Nox. Pollution)	Cargo record book updated, P&A Manual, residue discharge system		
Annex III (harmful substances)	Adequate packaging, marking & labelling, proper stowage etc		
• Annex IV (sewage) & V (garbage)	Approved sewage treatment plant, Garbage management plan and record book		
Annex VI (air pollution)	Required documentation and crew familiar with operating procedures		
Safety in general			
Closing devices / watertight doors	Tightness: packing, dogs/clamps, hinges & strength: corrosion, cracks		
Emergency lighting/batteries	Adequate, operating condition, including emergency generator where fitted		
Electrical equipment in general	Insulation, cables, earthing and cleanliness/dryness		
Pilot/ accommodation ladder	Condition for safe access (including gangways)		
Means of escape	Marking, condition and no obstructions		
SOLAS operational control			
Muster list	Entries up-to-date		
Fire drills / Abandon ship drills	Regularly held and logged.	+	
*	Posted in approved form as required	+	
25 1 1	Available and as required.	_	
 Manuals, instructions, etc. Continuous Synopsis Record (CSR) 	Ensure consistency of information	+	
	,		
ISM related	Safety Management Certificate & Document of Compliance		
Safety and environmental policy	Documented safety, pollution prevention & compliance policy		
Designated person(s) ashore	Known to personnel, supported by the Company with resources		
Master's responsibility & authority	Described in SMS, understood by Master and supported by the Company		
Resources & personnel	Crew composition, fitness, familiarisation, communication & training, resources		
Emergency preparedness	Procedures, drills and Company's availability 24/7 documented		
Maintenance of ship and equipment	Maintenance routines, testing and records documented & implemented		
ISPS related	International Ship Security Certificate		
Ship Security Plan	Approved & protected from unauthorized access or disclosure		
Ship Security Officer (SSO)	SSO onboard and familiar with his duties and documented training		
Access Control	Establish identification and purpose of visitors.		
Restricted areas	Identified and clearly marked		
• Records	Records of SSP activities (training, drills, threats etc) to be kept updated		
Ship Security Alert System (SSAS)	Maintenance and test records available; system operational and complies with Flag		
Special National Requirements	Additional national requirements for the relevant Port State		

www.dnv.com

For more information and ordering: contact your local DNV office or one of our Maritime Service Centres

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If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.