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**Subject:** DMA/AIFI01 - DA 11 - DNV GL's PSC FOCUS 2020 – PSC Planner updated Customer info:  
Detailed survey of PSC Top 18 items

**TO ALL FLEET VESSELS**

**Ref: DMA-SAPID/AIFI01/99/C1103**

**Date: 2020.05.06**

*In The Name Of God*

*Dear Captain  
Good Day,*

*Pl's find attached file "DNV GL's PSC FOCUS 2020 – PSC Planner updated Customer info: Detailed survey of PSC Top 18 items" for your kind attention and necessary precaution measures.*

**Noted that you should prepare your good vessel as per Top 18 items which is mentioned in attachment.**

**You are requested to confirm receipt, discuss the contents in the next consolidated meeting on board & keep a copy in the file DA-11 .**

**BEST REGARDS**

**CAPT.A.Momeni.N.**

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**SAFIRAN PAYAM DARYA  
(SAPID SHIPPING Co.)**

MARITIME

# DNV GL's PSC FOCUS 2020 – PSC Planner updated

Customer info: Detailed survey of PSC Top 18 items

**Claudia Ohlmeier / Jens Plötz**

25 March 2020

## PSC focus 2020: Introduction of PSC TOP 18 items

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PSC focus 2020:

- The detainable items from previous PSC inspections have been analysed and as a result the list of TOP 18 items has been created
- The ship and port specific checklists in the PSC Planner includes an additional part related to PSC Top 18 items for every vessel with DNV GL services
  
- The key for success to reduce PSC detentions:
  - Regular maintenance on board
  - with a more detailed focus of PSC Top 18 items (e.g. by using the PSC Planner checklist as unregular “quick checks”)
  
- Increase awareness of your shore staff and onboard crews with this presentation and ensure high quality and safety in shipping

# Top 18 detainable deficiencies found in 8 main categories as defined by PSC regimes

**During  
regular  
maintenance  
on board**

- Verify operational preparedness and compliance with international requirements
- and
- Judge if the management system needs improvement

The majority of PSC deficiencies were issued in

- 03xxx - Water/Weathertight condition
- 04xxx - Emergency systems
- 07xxx - Fire Safety
- 10xxx - Safety of Navigation
- 11xxx - Life Saving Appliances
- 13xxx - Propulsion main engine
- 14xxx - Environmental Protection

One or more deficiencies in the above categories may be seen as evidence of a failure of the Safety Management System on board and are likely to trigger a detainable deficiency towards ISM:

- 15xxx - ISM related deficiency

# PSC Top 18 items in PSC Planner checklist – Water/ Weathertight condition

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Water/ Weathertight condition	03108	Ventilators, air pipes, casings	<ul style="list-style-type: none"><li>Examine condition including watertight integrity, if applicable, of ventilators, air pipes and casings.</li></ul>	Multiple ballast tanks air vent closing arrangements defective



# PSC Top 18 items in PSC Planner checklist – Emergency systems

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Emergency systems	04102	Emergency fire pump and its pipes	<ul style="list-style-type: none"> <li>Examine fire water system incl. fire pumps, fire mains, hoses, hydrants, international shore connection and nozzles.</li> </ul>	Emergency fire pump unable to pressurize the fire mains
	04103	Emergency lighting, batteries and switches	<ul style="list-style-type: none"> <li>Verify functioning of emergency lighting, batteries and switches.</li> </ul>	Lack of emergency light/or not marked in the locker with B.A. and over the launching instruction of liferafts/lifeboat.
	04114	Emergency source of power - Emergency generator	<ul style="list-style-type: none"> <li>Examine with respect to general condition, fire hazard, personnel safety and function.</li> <li>Test function of emergency generator, emergency switchboards and battery chargers.</li> </ul>	Emergency generator not connecting automatically to the emergency switchboard



General condition



Repaired light foundation at nav. deck



New GMDSS batteries

# PSC Top 18 items in PSC Planner checklist – Fire Safety I

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Fire Safety	07105	Fire doors/ openings in fire resisting divisions	<ul style="list-style-type: none"> <li>Examine and perform function testing of all manual and automatic fire doors. Fire doors shall not be blocked or kept permanently open.</li> </ul>	Fire protection self-closing door from escape trunk to accommodation after deck corridor found out of order.
	07106	Fire detection	<ul style="list-style-type: none"> <li>Examine condition and perform function test</li> </ul>	The maximum distance between two smoke detectors in a deck accommodation space corridor more than 11 m (about 15 m).
	07109	Fixed fire extinguishing installation	<ul style="list-style-type: none"> <li>Examine condition of fixed firefighting equipment in the machinery spaces.</li> </ul>	CO2 Fixed fire extinguishing system defective.



# PSC Top 18 items in PSC Planner checklist – Fire Safety II

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Fire Safety	07114	Means of control (opening, pumps) Machinery spaces	<ul style="list-style-type: none"> <li>Test remote start of the main fire pumps.</li> <li>Test stopping of power ventilation from outside the spaces served.</li> <li>Test closing of main inlets and outlets.</li> </ul>	Quick close valve of no. 2 generator fuel oil pipe failed to be closed by remote control.
	07115	Fire-dampers	<ul style="list-style-type: none"> <li>Examine all fire dampers. Verify adequateness of maintenance intervals.</li> </ul>	Fire funnel damper, unable to properly closed.
	07126	Oil accumulation in engine room	<ul style="list-style-type: none"> <li>Examine that space is free of fire and explosion hazards e.g. oil spill, oily rags, buckets with oil, overfilled drip trays.</li> </ul>	Oli racks in bilge; general oily ER





# PSC Top 18 items in PSC Planner checklist – Safety of Navigation

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Safety of Navigation	10111 & 10112	Charts + Electronic charts (ECDIS)	<ul style="list-style-type: none"> <li>Verify that nautical charts and nautical publications necessary for the intended voyage are available and have been updated</li> <li>Verify in working order including back-up arrangements</li> </ul>	Found charts expired or not updated. Same Deficiency as mentioned in inspection on 10.10.2016 and before.
	10114	Voyage Data Recorder (VDR/S-VDR)	<ul style="list-style-type: none"> <li>Verify that the annual performance test report is available on board and not overdue.</li> <li>Verify that VDR is in good working condition</li> </ul>	The S-VDR of the vessel found malfunctioning. There was alarm about "Data lost" and "Logging Failed".



# PSC Top 18 items in PSC Planner checklist –Life Saving Appliances

PSC Code category	PSC Code	DNV GL - PSC TOP 18 / Deficiency category	PSC Planner: Top detainable deficiencies (TOP 18) worldwide	PSC deficiency examples
Life Saving Appliances	11101	Lifeboats	<ul style="list-style-type: none"> <li>Examine condition of structure and engine for each lifeboat</li> </ul>	The free-fall L/B engine failed to be started by the battery in use.
	11104	Rescue boats	<ul style="list-style-type: none"> <li>Examine condition of structure and engine for each rescue boat</li> </ul>	The engine of rescue boat failed to start during testing.



# PSC Top 18 items in PSC Planner checklist – Propulsion

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Propulsion	13101	Propulsion main engine	<ul style="list-style-type: none"> <li>Verify that normal operation of the propulsion machinery can be sustained or restored even though one of the essential auxiliaries becomes inoperative.</li> <li>Verify that means are provided so that the machinery can be brought into operation from the dead ship condition without external aid.</li> <li>Examine and test function.</li> <li>Test remote control system.</li> </ul>	Propulsion main engine M.E. has failure that limit and not allows works more than half ahead / astern (50%).



# PSC Top 18 items in PSC Planner checklist – Environmental Protection

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
Environmental Protection	14104	Oil filtering equipment	<ul style="list-style-type: none"> <li>Examine that automatic discharge stopping device and oil filtering equipment alarm are working</li> </ul>	15ppm OCM alarm unit for the OWS in engine room found malfunction.
	14402	Sewage treatment plan	<ul style="list-style-type: none"> <li>Examine externally and verify satisfactory operation</li> <li>Verify that no change has been made nor any new equipment installed if that working which.</li> </ul>	The dosage pump for sewage treatment plant out of control.



# PSC Top 18 items in PSC Planner checklist – ISM

PSC Code category	PSC Code	PSC Code Text/ Defective item	DNV GL PSC Planner: TOP 18 checklist item text	PSC deficiency examples
ISM	15150	Maintenance level and crew performance	<ul style="list-style-type: none"> <li>Verify implementation on ISM with focus on findings from previous PSC inspections and internal/ external audits</li> <li>Check if procedures for essential shipboard operations and training of crew are available</li> <li>Verify that crew is trained in the task assigned and drills are successfully carried out</li> </ul>	Several of the above deficiencies regarding ventilation of machinery are evidence of a serious lack of implementation of the ISM Code



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