

Paris MoU



Case Study for Detention

KR Survey Team

September 2018

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Status of PSC detention in Paris MoU area for the first half of 2018

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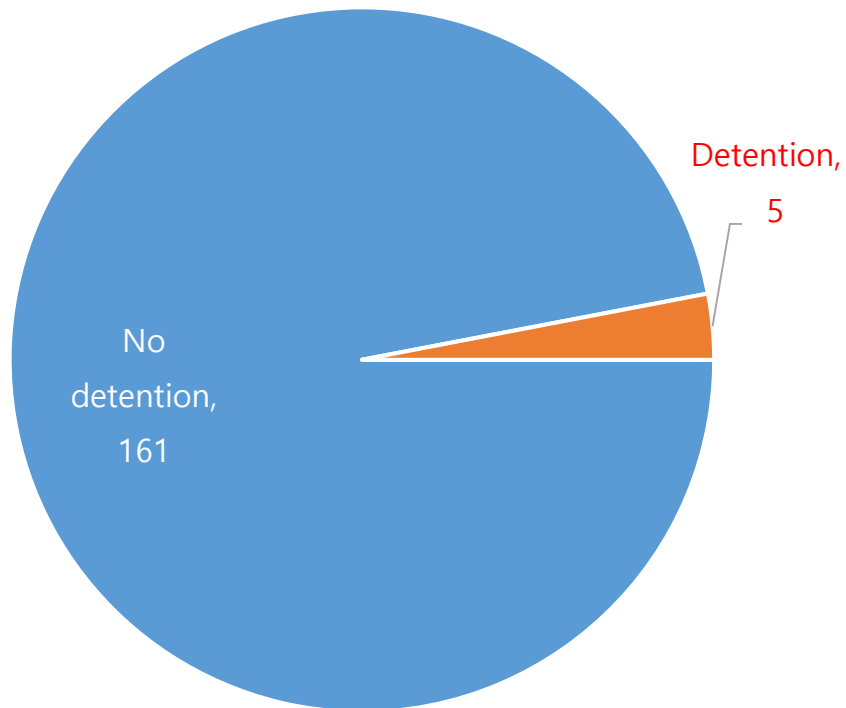
Overall countermeasures for PSC detention



Part. I Statistics of Paris MoU Detention

☾ Detention in Paris MoU for ships registered in KR (2018.01 ~ 2018.06)

Percentage of ships detained in Paris MoU

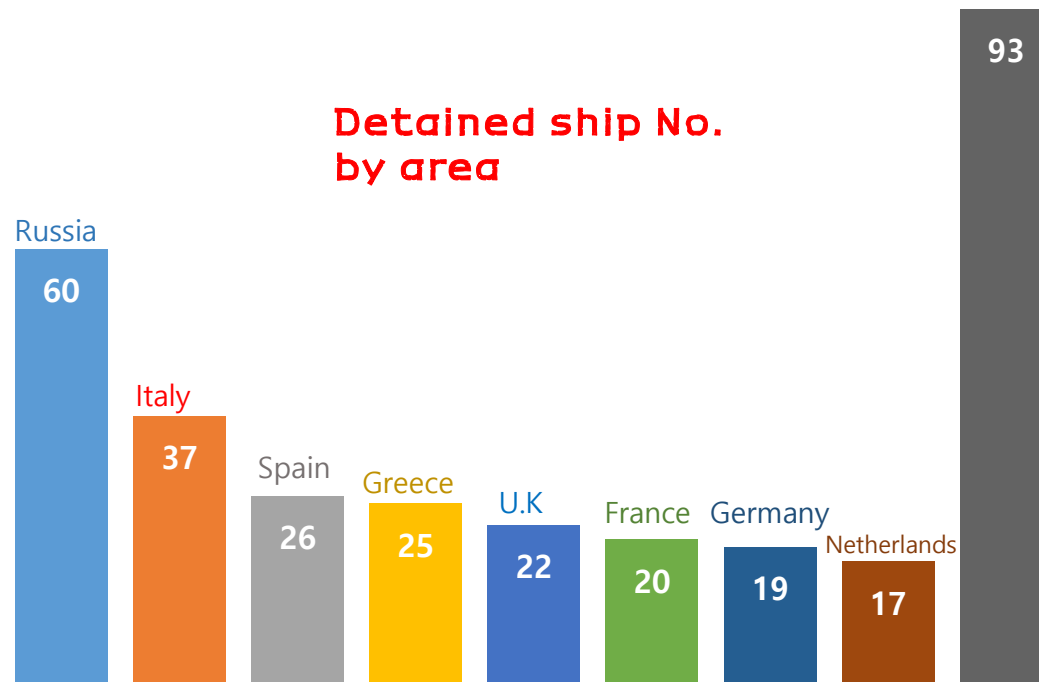


Detention : Five ships registered in KR

Detained deficiencies : total 49

Part. I Statistics of Paris MoU Detention

☾ Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)

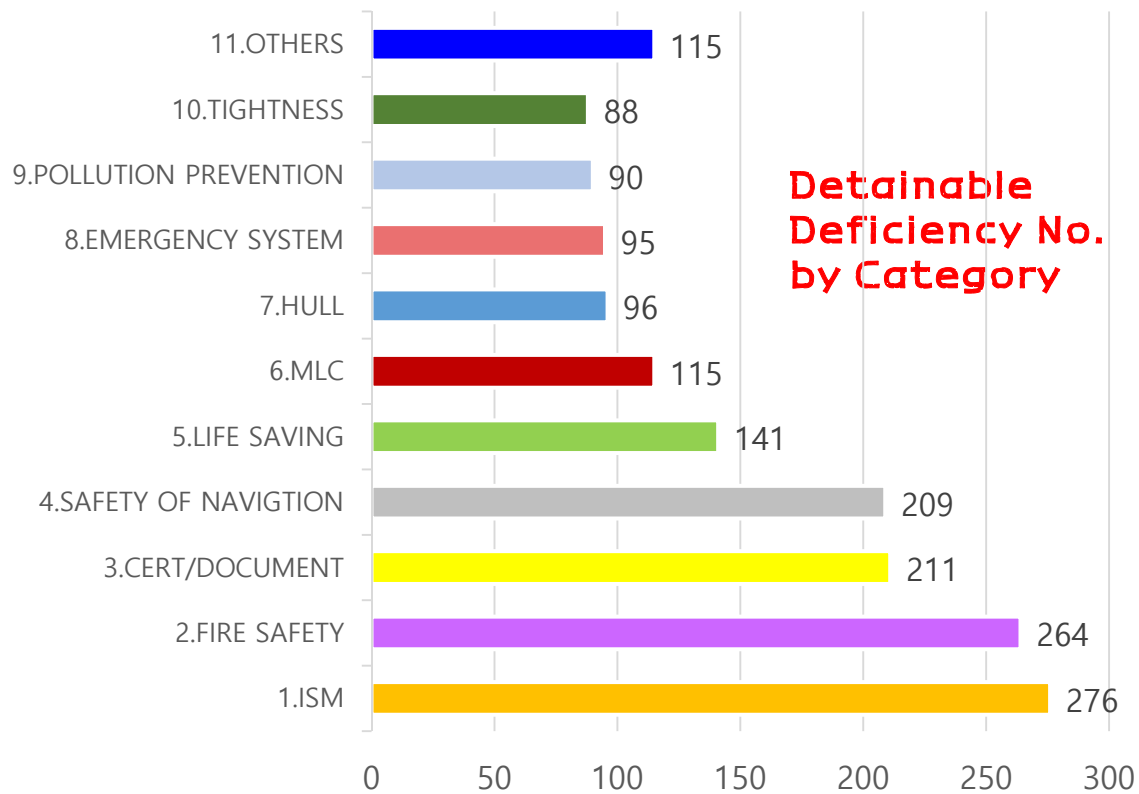


Detained Ship Nos. : **319 Ships**

Russia : detentions were high, esp. cargo ship, etc

Part. I Statistics of Paris MoU Detention

Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)



Detained Ship Nos. : **319 Ships**

Detainable Deficiency No. :
Abt. 1700 deficiencies

**1. ISM, 2. FIRE SAFETY,
3. CERT/DOCUMENT & 4. SAFETY OF
NAVIGATION**

**Deficiency No. for the top four
categories :
960 deficiencies, Abt. 56%**

Part. I Statistics of Paris MoU Detention

Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)

Category	Details for Deficiency
ISM	<ol style="list-style-type: none">1) No familiarity on drill (fire fighting/abandon ship/enclosed space)2) No familiarity on their duty3) No on board training4) ISM failure due to many deficiencies
Fire Safety	<ol style="list-style-type: none">1) Defective on fixed fire extinguishing system2) Defective on quick closing valve3) Defective on fire detection system for engine room4) Defective on fire door5) Defective on fire damper6) Defective on fire fighting equipment, EEBD7) Defective on means of escape8) Defective on fire integrity of bulkhead or cable penetration
Cert/Document	<ol style="list-style-type: none">1) Missed/wrong statutory certificates (BWM, IEE, EIAPP etc)2) Overdue civil liability cert (bunker oil)3) Missed/wrong employment agreement4) Missed financial security document5) Missed/wrong flag's endorsement6) Wrong rest hour record

Part. I Statistics of Paris MoU Detention

Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)

Category	Details for Deficiency
Safety of Navigation	<ol style="list-style-type: none">1) Defective on charts & nautical publication (missing, not-update)2) Defective on passage plan3) Defective on signaling lamp4) Defective on BNWAS5) Defective on echo sounder6) Defective on ECDIS/radar7) Defective on gyro compass/magnetic compass8) Defective on navigation lights9) Defective on VDR/S-VDR10) Defective on speed indicator11) Defective on compass error book/deviation curve
Life Saving	<ol style="list-style-type: none">1) Defective on life boat/rescue boat (engine, inventory, etc)2) Defective on launching appliance (malfunction, readiness, etc)3) Defective on embarkation arrangement4) Defective on life raft (stowage, etc)5) Defective on line throwing appliance6) Defective on life saving appliance (lifebuoys, etc)

Part. I Statistics of Paris MoU Detention

Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)

Category	Details for Deficiency
MLC	<ol style="list-style-type: none"> 1) Defective on cleanliness (galley, engine room, etc) 2) Defective on safe condition (electric, etc) 3) Defective on hospital (equipment, lighting, etc) 4) Defective on living condition (lighting, room condition, etc) 5) Defective on provision (not enough, etc) 6) Defective on sanitary facilities (not working, cleanliness) 7) Wages
Hull	<ol style="list-style-type: none"> 1) Defective on hull structure (damage, crack, corrosion, etc)
Emergency System	<ol style="list-style-type: none"> 1) Defective on emergency fire pump 2) Defective on emergency generator 3) Defective on emergency lighting 4) Defective on muster list (not updated, etc)
Pollution Prevention	<ol style="list-style-type: none"> 1) Defective on oily water separator (malfunction, leaking, 15 ppm alarm, etc) 2) Defective on sewage treatment plant (air supply, motor, sensor, etc) 3) Defective on sulphur content 4) Defective on garbage (manual, record, handling, etc) 5) Defective on Nox technical file (missing, recording, etc) 6) Defective on ballast waster management (bwmp, bwms, etc)

Part. I Statistics of Paris MoU Detention

Detention in Paris MoU, including ships registered in other Classes (2018.01 ~ 2018.06)

Category	Details for Deficiency
Tightness Condition	<ol style="list-style-type: none">1) Defective on air pipe2) Defective on ventilator3) Defective on door4) Defective on freeboard mark5) Defective on cargo hatch cover/access hatch6) Defective on manholes7) Defective on window/side scuttle
Others	<ol style="list-style-type: none">1) Defective on radio equipments (MF/HF radio, malfunction, emergency source, etc)2) Defective on SART/EPIRB3) Defective on main engine/aux. engine (power, malfunction, gauges, etc)4) Defective on bilge pumping system5) Defective on alarms (UMS, engine room alarms, fire alarms, etc)6) Defective on gas detectors



Case 1. No completion of Previous PSC deficiencies



Overview

- ☞ Container ship, 15 Yrs old
- ☞ PSC Date : 2018

- ☞ Detention
 - PSCO observed previous PSC deficiencies were found again without rectification as below.
 - Fire doors (not proper closing, modification with bolt/nut hole)
 - Lightings (broken/missed cover)
 - Hyd. oil leaking (bow thruster room)
 - Malfunctioned Incinerator



Cause & Action

- ☞ No completion of previous PSC deficiencies and omission of taking-over work for this between masters.

- ☞ Records for the result of PSC rectification shall be kept on board.



Measures

- ☞ PSC deficiencies shall be thoroughly managed to avoid recurrence.

- ☞ Uncompleted deficiencies shall be confirmed when taking over the duty to sign-on masters since PSC deficiencies can be officially closed after signed by PSCO.
(Be careful that deficiency can not be closed by sending e-mail with records to PSCO.)

Case 2. Poor Maintenance



Overview

- ☞ Cargo ship, 30 Yrs old
- ☞ PSC Date : 2018

- ☞ Detention
 - PSCO observed the followings.
 - Some air pipes' closing devices were missed and holed.
 - Door to E/R, not fit
 - Hole near shower room window
 - Bow liferaft lashed with cable/wire
 - Officer toilet, not flushing/urinal leaking/sink not working



Cause & Action

- ☞ Maintenance condition was generally bad due to ship's age.



Measures

- ☞ The maintenance shall be carried out in accordance with the company's PMS. In particular, it is important that Master/Chief Engineer confirm the major PSC items directly during self-inspection.

Case 3. Company's Support



Overview

- ☞ Bulk Carrier, 21 Yrs old
- ☞ PSC Date : 2018

- ☞ Detention
 - PSCO observed the followings.
 - Incinerator found with defective solenoid valve.
 - Fire line with temporary repair
 - Oily water separator, not operational
 - Deck hyd. line found leaking
 - Chart, missed
 - Few crew members found with more than 12 months of service on board.
 - Dewatering control panel found with no power



Cause & Action

- ☞ No further action was made by company although master reported deficiencies to company.



Measures

- ☞ When company received the request for the materials, it shall be supplied to ship as soon as possible at the nearest port.

- ☞ Deficiencies found by crew members shall be reported to the concerned authority with action plans before PSC inspection.

Case 4. ISM Failure due to many deficiencies



Overview

- ☞ Bulk Carrier, 21 Yrs old
- ☞ PSC Date : 2018

- ☞ Detention
 - PSCO observed the followings.
 - Life boat davit found seized.
 - Engine room fire damper found seized with cable.
 - Chart not updated.
 - Emergency lights found out of order.
 - Navigation lights found out of order.
 - DMLC Part II, missed
 - Garbage collected on a plastic container, not allowed stations.



Cause & Action

- ☞ PSC preparation was not good, and detention was imposed due to many deficiencies.



Measures

- ☞ The maintenance shall be carried out in accordance with the company's PMS. In particular, it is important that Master/Chief Engineer confirm the major PSC items directly during self-inspection.

Case 5. ISM Failure due to poor maintenance



Overview

- ☞ Bulk carrier, 9 Yrs old
- ☞ PSC Date : 2018

- ☞ Detention
 - PSCO observed the followings.
 - Access hatches to cargo holds found not fully closed.
 - Bosun store door could not be closed due to the defective closing device.
 - Clearance of cargo hatch cover found higher than drawing's requirement.
 - Several FO tanks sight glasses in E/R have rubber hoses.



Cause & Action

- ☞ PSC preparation was not good, and detention was imposed due to many deficiencies.

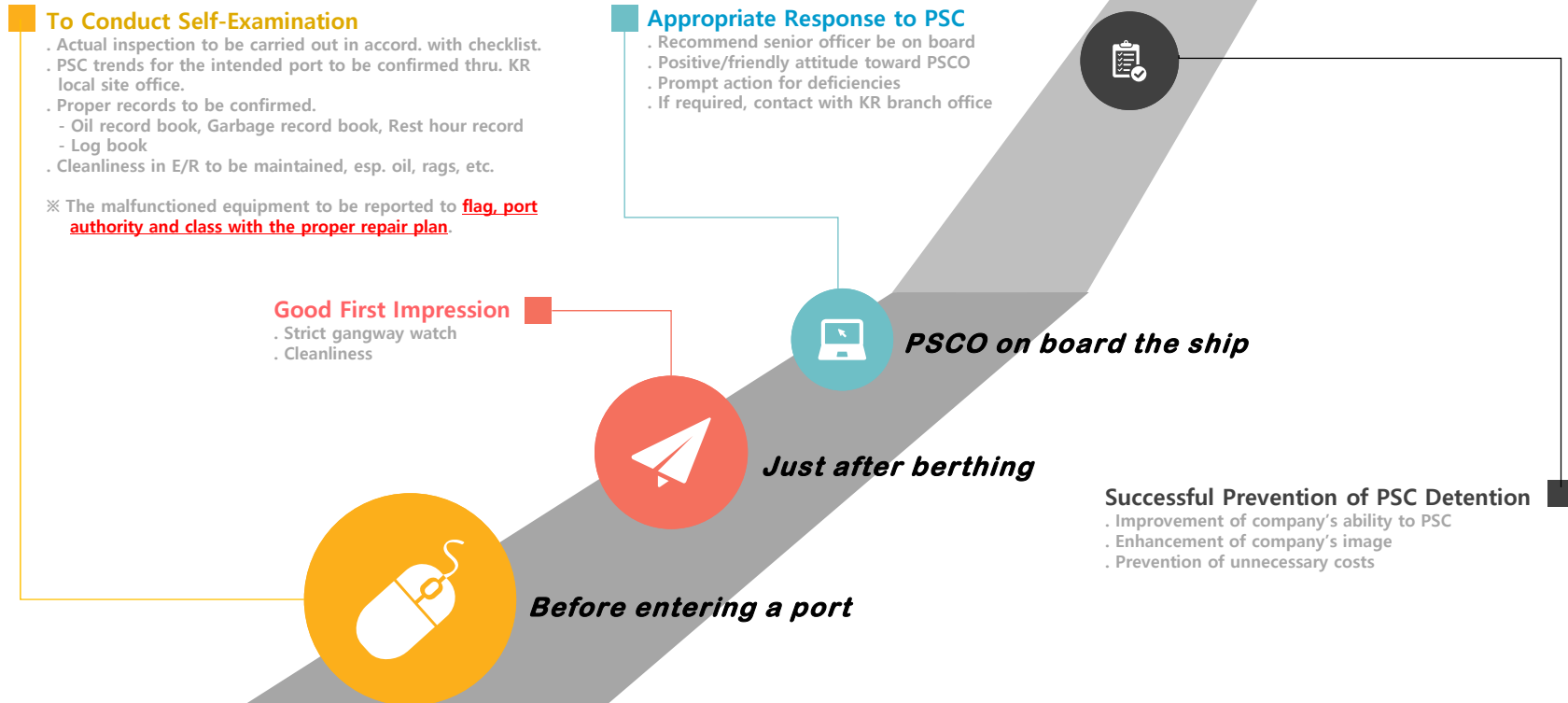


Measures

- ☞ The maintenance shall be carried out in accordance with the company's PMS. In particular, it is important that Master/Chief Engineer confirm the major PSC items directly during self-inspection.



1 | PSC Countermeasures



2 How to deal with PSC matters and approach to them ?

