

**KOREAN
REGISTER**

**Cases
Study**

USCG

1st half of 2020

CONTENTS

Statistical Data



Statistical Data

PART A PSC detention in 2019



Detention ratio

* TOP3
1 Bulk carrier : 28
2 General dry cargo : 22
3 Container ship : 14

* Inspection : 8,622
* Detention : 96

Detention by ship type



Case Study



Case Study

PART A Garbage record book

Category

Deficiency

Cert. & Documentation

Prevention

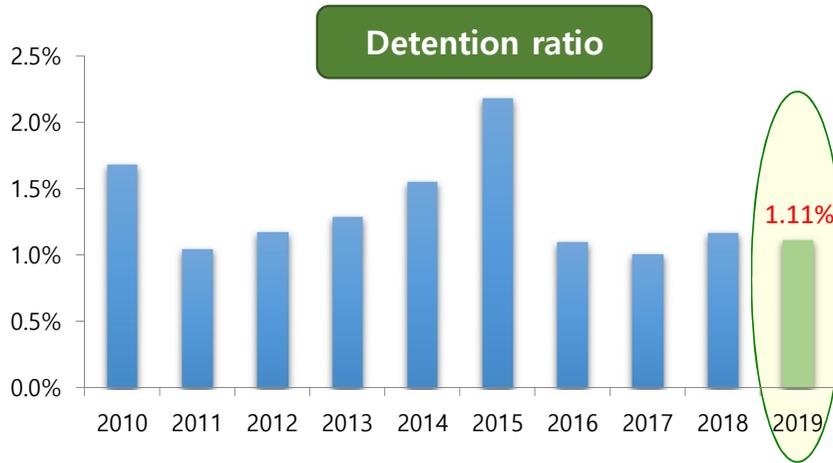
No records of garbage discharges have been made since May 4, 2018.

Responsible crew member should be familiar with records of garbage discharges

Relevant training and information should be provided to crew members

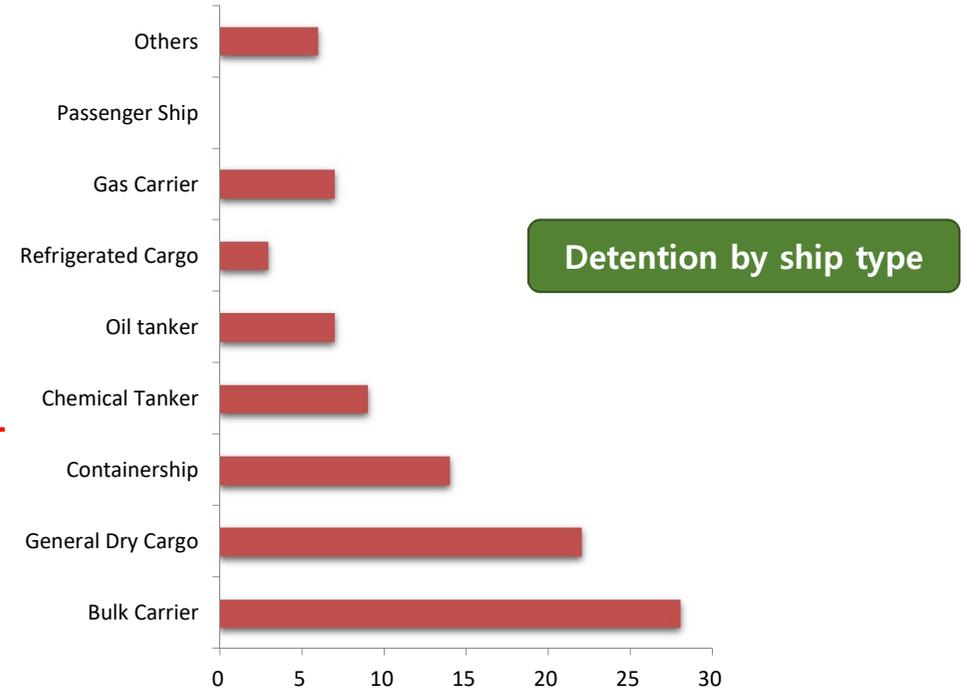
Statistical Data

PART A. PSC detention in 2019



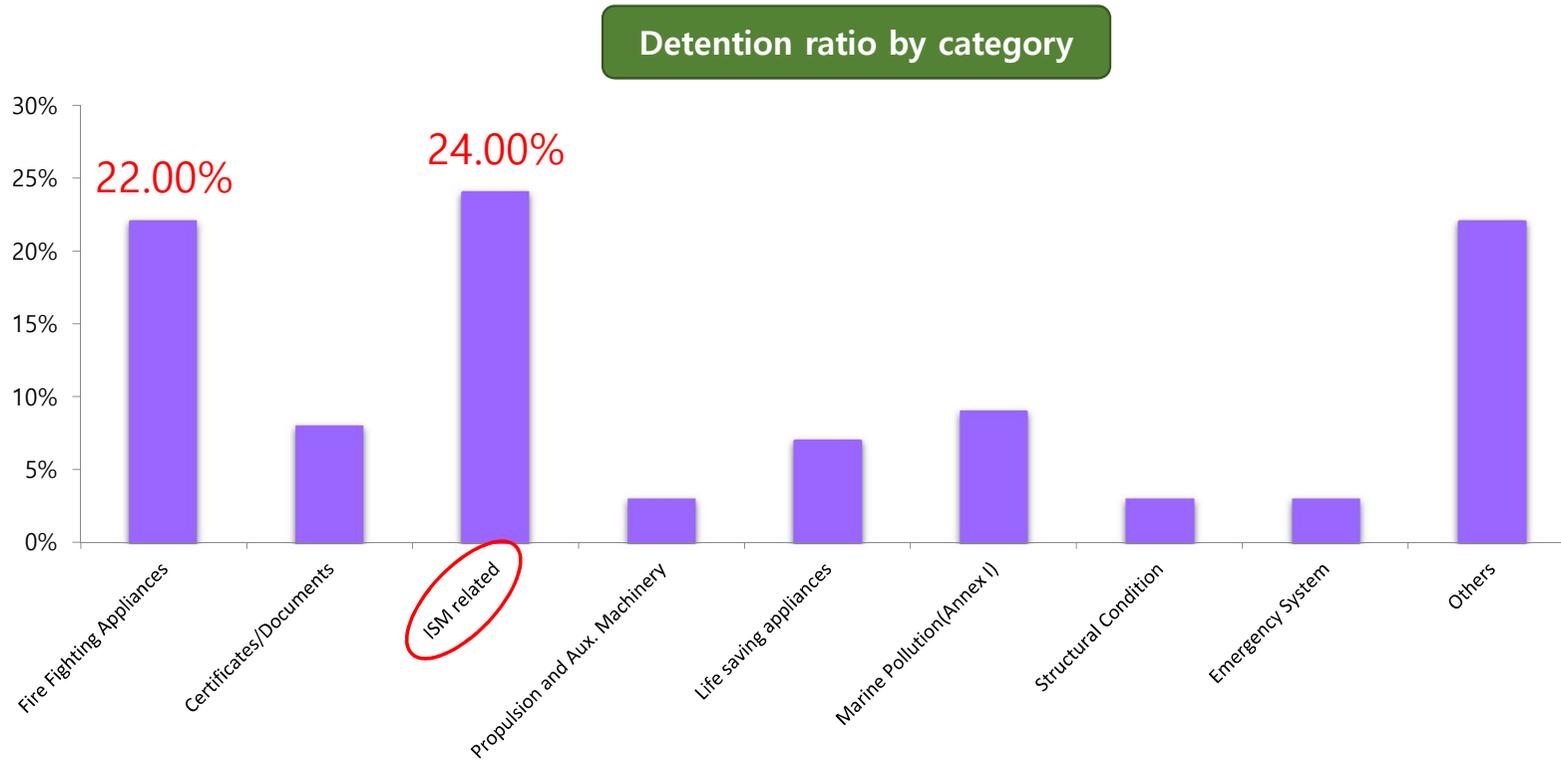
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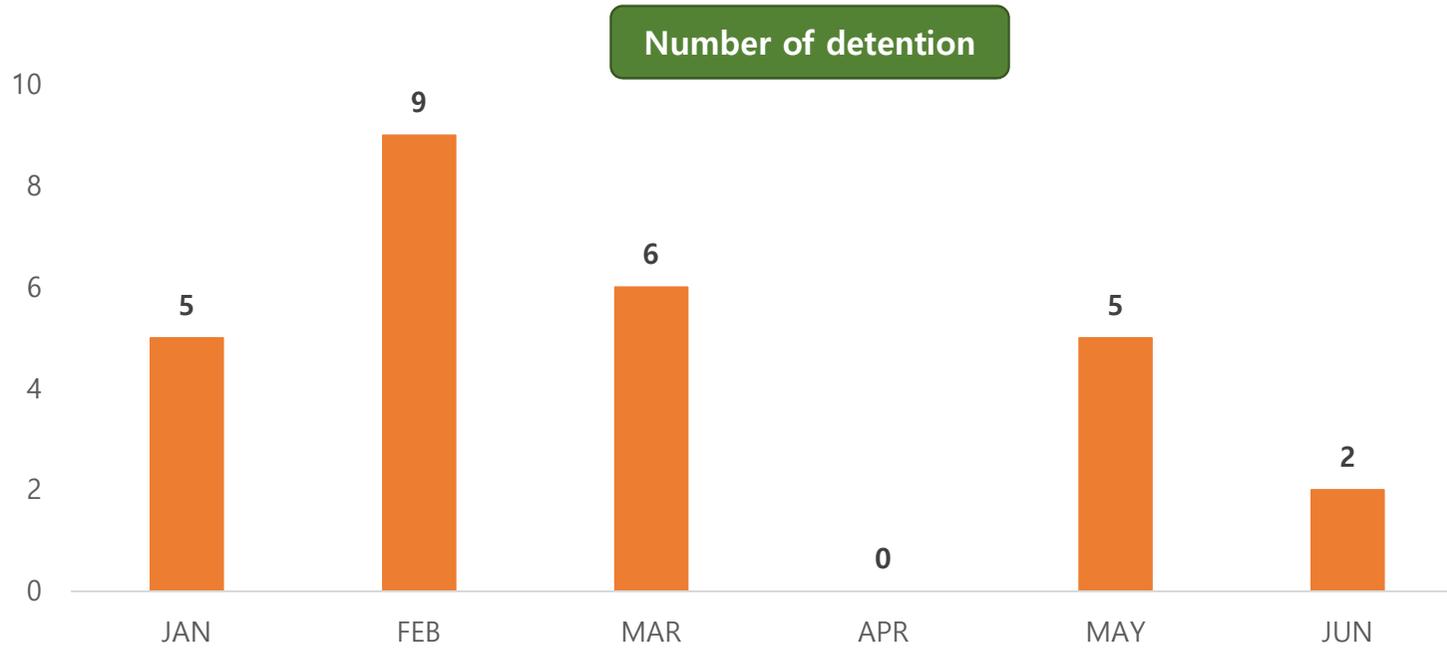
Statistical Data

PART A. PSC detention in 2019



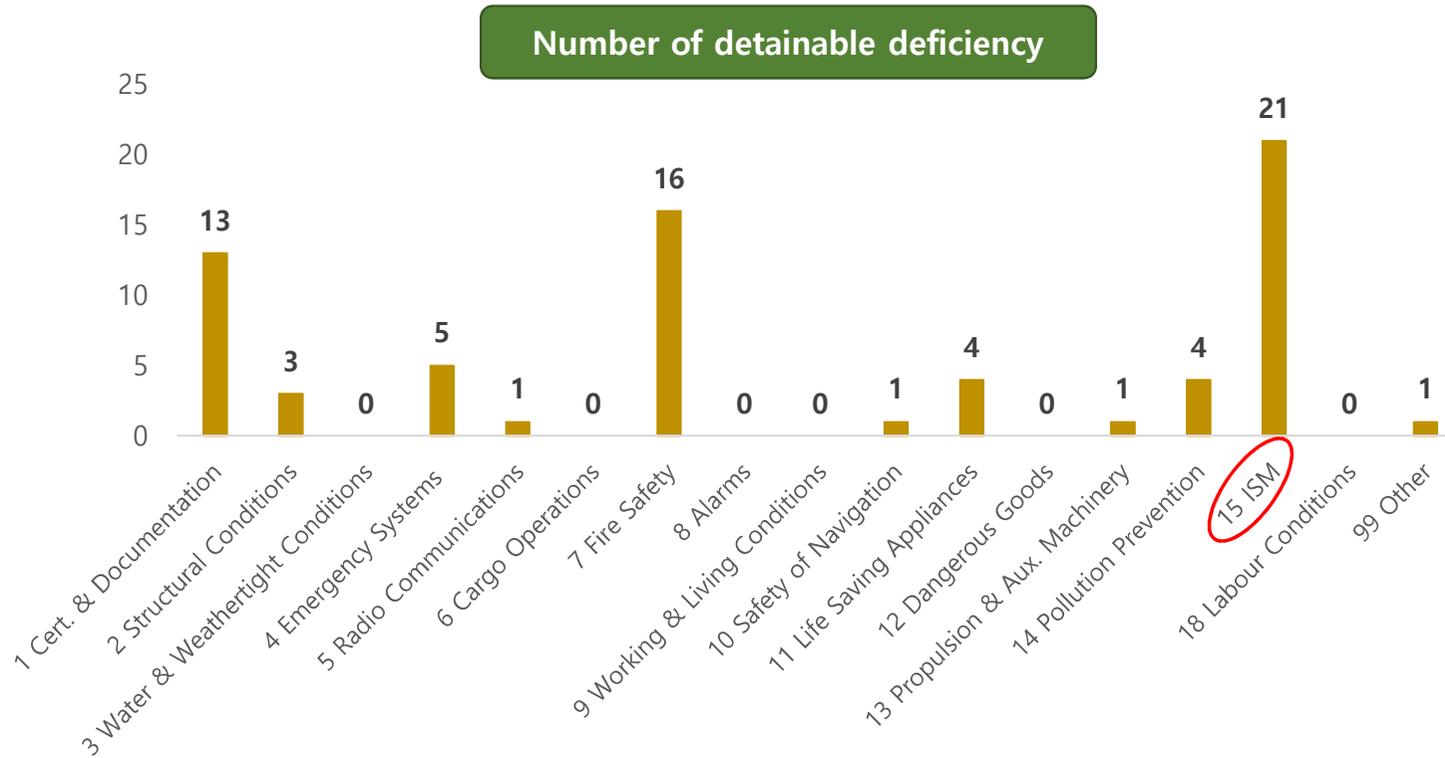
Statistical Data

PART B. PSC detention at the first half of 2020



Statistical Data

PART B. PSC detention at the first half of 2020



Statistical Data

PART C. Nature of detention and category in 2020

Nature of detention	Category	Number
01 Cert. & Documentation	Safety Management Certificate(SMC/ISM)	1
	International Anti-fouling System Certificate	1
	Oil record book	3
	Garbage record book	1
	Certificate for rating able seafarer deck/engine	1
	Manning specified by the minimum safe manning	1
	Cargo Ship Safety Equipment(including exemption)	2
	Certificate for master and officers	2
	Cargo Ship Safety Construction(including exemption)	1
02 Structural Conditions	Closing devices/watertight doors	1
	Electrical installation in general	2
04 Emergency Systems	Emergency source of power	3
	Functionality of safety systems	2

Statistical Data

PART C. Nature of detention and category in 2020

Nature of detention	Category	Number
05 Radio Communication	Operation of GMDSS equipment	1
	Fire detection and alarm system	1
07 Fire Safety	Operation of fire protection systems	1
	Fire pumps and its pipes	2
	Oil accumulation in engine	9
	Fixed fire extinguishing installation	1
	Remote means of control(opening, pumps, ventilators)	1
	LRIT	1
10 Safety of Navigation	Operational readiness of lifesaving appliances	1
	Rescue boats	2
	Launching arrangements for rescue boats	1
11 Life Saving Appliances	Other(machinery)	1
13 Propulsion & Aux. Machinery		

Statistical Data

PART C. Nature of detention and category in 2020

Nature of detention	Category	Number
14 Pollution Prevention	Oil accumulation in engine room	1
	Oil filtering equipment	1
	Suspected of discharge violation	1
	Pumping, piping and discharge arrangements	1
	Oil and oily mixtures from machinery spaces	1
15 ISM	Resources and personnel	2
	Maintenance of the ship and equipment	7
	Safety and environment policy	4
	Reports of non-conf., accidents & hazardous occur.	1
	Other	2
	Company responsibility and authority	3
	Shipboard operations	2
99 Other	Safety in general	1

Case Study

PART A. Garbage record book

Category	Deficiency	Prevention
<p>Cert. & Documentation</p>	<p>No records of garbage discharges have been made since May 4, 2018</p>	<p>.Responsible crew member should be familiar with records of garbage discharges</p> <p>.Relevant training and information should be provided to crew members</p>

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PART B. Watertight hatches

Category	Deficiency	Prevention
Structural Conditions	The seals on the three escape hatches from the cargo hold to the open deck are not watertight	.Periodical inspections and maintenance should be made in accordance with SMS manual or the relevant procedures

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PART C. Emergency source of power

Category	Deficiency	Prevention
Emergency Systems	Vessel has been using their emergency generator as their main power source due to two of the three generators being broken as of 03JUN2019 and 11JAN2020	.Defects on essential equipment or installation should be repaired as soon as possible .The defects should be reported to the port authority before entering a port

Case Study

PART D. Operation of GMDSS equipment

Category	Deficiency	Prevention
<p>Radio Communications</p>	<p>No tests have been recorded or conducted as per the GMDSS logbook since January 11, 2020</p>	<p>.Deck officers should be provided with training to make all records kept after tests required by the Radio Regulations, SMS manual, procedures or administration</p>

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PART E. Fire pumps and its pipes

Category	Deficiency	Prevention
<p>Fire Safety</p>	<p>.Fire pumps are not able to deliver the required two jets of water due to malfunctioning impellers</p> <p>.The fire main on deck has an approximately 1 inch crack leading to a loss of pressure</p>	<p>.Periodical inspections and maintenance should be made</p> <p>.After a test of fire pumps including emergency fire pump, it is strongly recommended that fire main on deck be also checked</p>

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PART F. LRIT

Category	Deficiency	Prevention
Safety of Navigation	Vessel crew was unable to provide a LRIT conformance test report in accordance with the procedures set out in Appendix 1 of MSC.1/Circ.1307	.Captain or a responsible officer should keep a LRIT conformance test report and be ready to provide it if requested by PSCO, RO or administration

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PART G. Rescue boats

Category	Deficiency	Prevention
Life Saving Appliances	PSCO observed rescue boat unable to start for 3.5hours	.Inspections and checks on lifesaving appliances should be done periodically .Essential items on PSC matters should be checked on their condition and operation before entering a port

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PART H. Other(machinery)

Category	Deficiency	Prevention
<p>Propulsion & Aux. Machinery</p>	<p>No.1 generator has been broken since 11JAN2020 and No.2 generator has been broken since 03JUN2019</p>	<p>.Defects on essential equipment or installation should be repaired as soon as possible</p> <p>.The defects should be reported to the port authority before entering a port</p>

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PART I. Suspected of discharge violation

Category	Deficiency	Prevention
<p>Pollution Prevention</p>	<p>The chief engineer directed the overboard discharge of oily water through means other than through the approved oil filtering equipment several times</p>	<p>.Engineers should be provided with training on how to operate oil filtering equipment and how to handle with oily water</p> <p>.Crew members should be familiar with what actions are prohibited on board a ship</p>

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PART J. Maintenance of the ship and equipment

Category	Deficiency	Prevention
ISM	Ship's general emergency alarm and public address systems have been inoperable since 01/01/2020. Captain confirmed that the non-conformity had not been reported and that no corrective actions had been taken	.Crew members should be familiar with ISM Code and shipboard SMS .Non-conformity reporting and corrective actions should be taken to abnormal condition of equipment/structure

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PART K. Other(Safety in general)

Category	Deficiency	Prevention
Other	Vessel sailed its last voyage without properly credentialed mariners in the positions of : one(1) oiler and two(2) able seamen	.Company should provide a vessel with the proper number of personnel according to, at least, a MSMC .Captain should refuse to sail with his overriding authority with no sufficient personnel on board

**THANK
YOU**

