



# 2016 Annual Report





## *Chairman's Message*



It is with great pleasure that I present the Annual Report of the Indian Ocean Memorandum of Understanding (IOMOU) for the year 2016.

The IOMOU held its 19<sup>th</sup> port State control Committee meeting in Kenya in August, 2016. During the meeting, the Committee approved the port State control (PSC) Guidelines for verification of compliance with SOLAS Chapter V, with regard to the carriage of appropriate and up to date Nautical Charts and Nautical Publications. Further, in order to promote more effective implementation of all applicable standards for maritime safety and pollution prevention, PSC Guidelines for the inspection of

Non-Convention ships and PSC Guidelines for the inspection of MODUs were also adopted. The Committee also deliberated on the New Inspection Regime (NIR) document prepared by the Secretariat, and members of the correspondence group are working on the same for future implementation.

During the year 2016, the IOMOU carried out the Concentrated Inspection Campaign (CIC) on Cargo Securing Arrangements and reports are being analyzed. I am sure that the results of the analysis will highlight the importance of the issue, and as such safety concerns in the area can be dealt with, by the stakeholders.

Substantial actions have been implemented in relation to the maritime safety and environment protection and these actions have contributed to the improvement of global standards. Pollution can travel great distances in the marine environment, floating litter concentration in the Indian Ocean is a growing concern. Increased attention is required to be paid to the issue of marine pollution in any form and we need to collectively work to address it, which is complicated by a variety of sources.

The IOMOU always strives for harmonization of practices and procedures and same is being achieved through cooperation with the other MoUs and the International Maritime Organization.

Some of the IOMOU member Authorities are still striving to achieve the target of inspection of 10% of ships visiting their ports, however the year 2016 did see an increase in the number of inspections. I am hopeful that the PSCOs and Maritime Administrations of the Member Authorities of the IOMOU will continue to put in their best effort to achieve the goal of eradicating sub-standard ships from our region.

In conclusion, I would like to express my sincere appreciation to the Secretariat, our Member States, Observers States and Observer Organization, to provide guidance when needed.

**Francois BEAUGRAND**

## *Foreword by the Secretary*



It gives me great pleasure to present the eighteenth Annual Report of the Indian Ocean Memorandum of Understanding (IOMOU) for the year ending 31<sup>st</sup> December 2016.

This annual report summarizes the port State control (PSC) performed by the IOMOU member Authorities based on the various ship types, flag States and Recognized Organizations. Apart from the general information, this report provides the outcome of the results of PSC inspections undertaken by individual

member Authority during the year, 2016. In addition, it also includes statistics and analysis on the results of inspections carried out by the member Authorities during the year 2016.

Revisions of the International regulations and new Conventions entering into force, pose a challenge for the PSC authorities. Port State control officers (PSCOs) are required to be trained and updated with the requirements of the regulations. The IOMOU Secretariat was able to facilitate training to the PSCOs of the member Authorities, with the support of the Tokyo MoU and the International Maritime Organization.

During the year, the IOMOU conducted a seminar for the PSCOs from the Indian Ocean region, and also conducted an Expert Mission training wherein PSCOs apart from the IOMOU member Authorities, Black Sea MoU, Caribbean MoU, Mediterranean MoU, Riyadh MoU and Vina del Mar MoU also participated. I would like to specially thank Tokyo MoU for the conduct of Expert Mission and Australia, Chile and Japan for providing the experts; I would also like to thank International Maritime Organization (IMO) for providing financial support under the Technical Co-operation programme.

As part of the harmonization, co-operation and exchange of information, the IOMOU Secretariat is represented by the Secretary in the Sub-Committee meeting on the Implementation of IMO Instruments (III) and information on the developments over the past one year and report of analysis of Concentrated Inspection Campaigns is submitted.

The IOMOU Secretariat continued to serve its member Authorities well during the year. Let me take this opportunity to thank members for their contribution and particularly the port State control officers of the region for their commitment and professionalism in conducting PSC activities in our region.

More information is available on the IOMOU web site: [www.iomou.org](http://www.iomou.org)

**Dilip Mehrotra**

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## Introduction

### General

The Indian Ocean Memorandum of Understanding (IOMOU) on port State control (PSC) in the Indian Ocean region was finalized on the basis of the first preparatory meeting in India in October 1997 and the second meeting in June 1998 in South Africa. The second meeting was attended by Australia, Bangladesh, Djibouti, Eritrea, Ethiopia, India, Iran, Kenya, Maldives, Mauritius, Mozambique, Myanmar, Oman, Seychelles, South Africa, Sri Lanka, Tanzania and Yemen.

The port State control system aims to verify whether foreign flagged vessels calling at a port of a State, comply with applicable International Maritime Conventions. Each Authority ensures that foreign merchant ships visiting its ports comply with the standards articulated in the relevant Conventions and all amendments thereto in force. In this context, a participating maritime authority regards a ship flying the flag of another member state as a foreign ship too. When vessels are found not to be in substantial compliance with applicable regulations laws or relevant convention requirements, the PSC system imposes actions to ensure they are brought into compliance. Ships to be inspected are selected on the basis of targeting criteria outlined in the Memorandum and a non-discriminatory policy is observed.

Under the Memorandum, each Authority will establish and maintain an effective system of port State control regime. The mission of the IOMOU among maritime authorities responsible for port State control in the Indian Ocean region is to promote the effective implementation of an improved and harmonized system of port State control by uniform application, of relevant International Maritime Organization (IMO)/International Labour Organization (ILO) instruments on ships operating in the region.

This will be accomplished through the establishment and maintenance of a harmonized system of port State control by the member Authorities, and the effective operation of the Committee, the Secretariat and the IOCIS. Of particular importance are the cooperation and the exchange of information between members of the Memorandum of Understanding (MOU) and with other regional port State control regimes.

Following are the relevant instruments on which regional port State control is based:

- The International Convention on Load Lines, 1966;
- The International Convention for the Safety of Life at Sea, 1974 (SOLAS 74);
- The International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78);
- The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 (STCW 78);
- The Convention on the International Regulations for Preventing Collisions at Sea, 1972;
- The International Convention on Tonnage Measurement of Ships, 1969;
- The Merchant Shipping (Minimum Standards) Convention, 1976 (ILO Convention No. 147),
- The Maritime Labour Convention, 2006 (MLC, 2006)
- The International Convention on the Control of Harmful Anti-fouling Systems on Ships 2001
- The International Convention on Civil Liability for Bunkers Pollution Damager, 2001 (Bunkers Convention)
- Protocol of 1992 to amend the International convention on Civil Liability for Oil Pollution Damage, 1969 (CLC Protocol 1992).

Together with the protocols and amendments to these conventions and related codes of mandatory status as and when they enter in to force.

## *Members, Observers & Observers Organisation*

As of December 2016, there are seventeen countries which have become parties to the Memorandum. These are: Australia, Bangladesh, Comoros, Eritrea, France (La Reunion), India, Iran, Kenya, Maldives, Mauritius, Mozambique, Oman, Sri Lanka, South Africa, Sudan, Tanzania and Yemen.

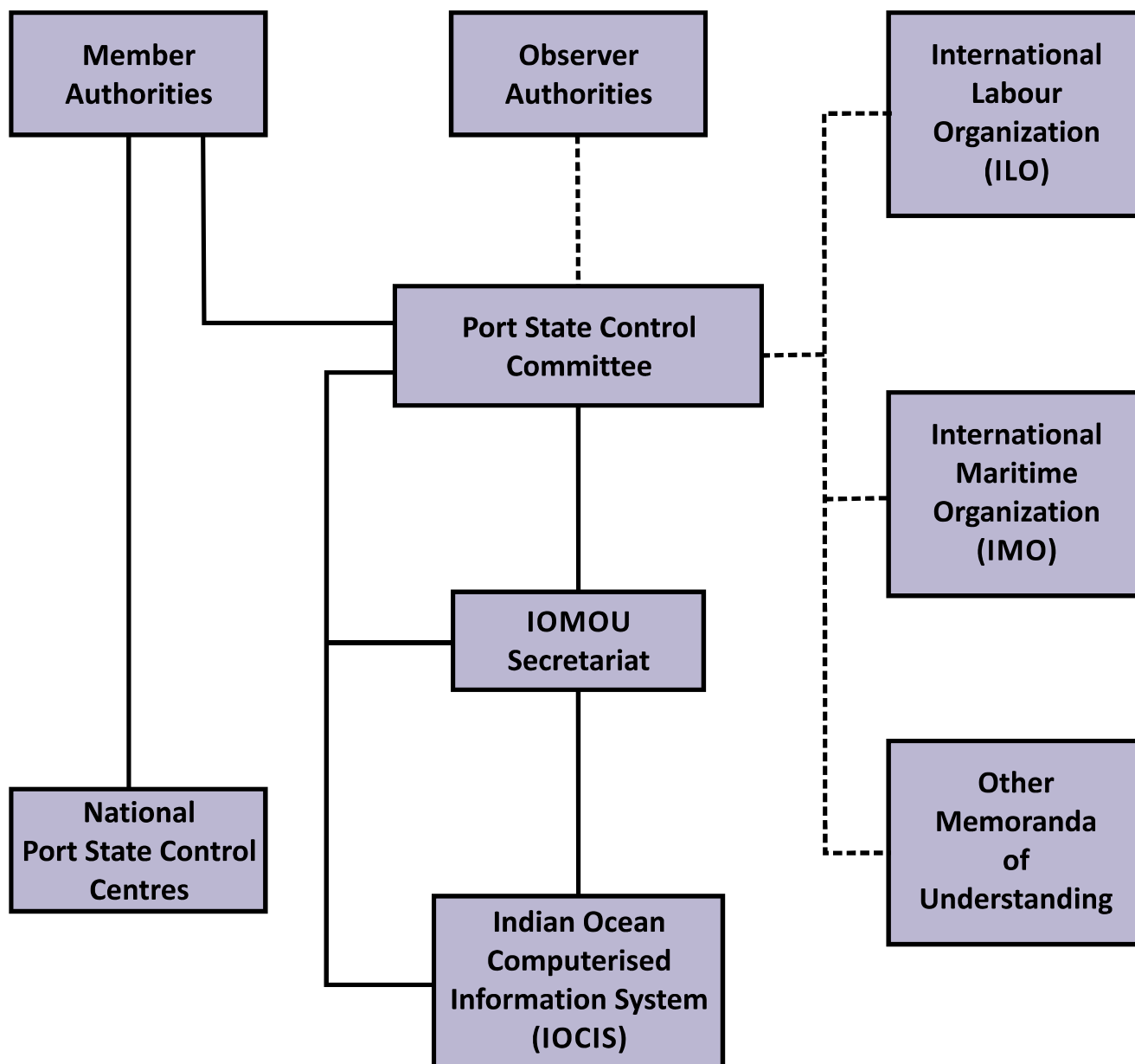
The Observer States of the IOMOU are Ethiopia and Madagascar, and the Observer Organizations are Black Sea Memorandum of Understanding, Riyadh Memorandum of Understanding, Tokyo Memorandum of Understanding, West & Central Africa Memorandum of Understanding, the International Maritime Organisation, the International Labour Organization, United States Coast Guard and Equasis.

The Committee meetings are attended by the member Authorities as well as Observer States and Organizations.



On-board training of PSC officers

***Organisational Structure Of The IOMOU***



## *IOMOU Secretariat*

The Secretariat of the Indian Ocean Memorandum of Understanding is based at Goa in India. The Secretariat is governed by and accountable to the Committee of the IOMOU on port State control. It services the Committee meetings and assists the Committee in its activities.

The IOMOU Secretariat is headed by the Secretary, Mr. Dilip Mehrotra, assisted by Office Assistant Ms. Milan Sawant, Data Processor Mrs. Priyanka Sawant and Data Management Assistant Ms. Sushmita Naik.

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On-board training of PSC officers

## *The Committee*

The Indian Ocean Memorandum of Understanding on port State control held its Nineteenth Committee meeting in Kenya, from 15<sup>th</sup> to 19<sup>th</sup> August, 2016. This meeting was hosted by the Ministry of Transport, Infrastructure, Housing and Urban Development in conjunction with the Kenya Maritime Authority.

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### **Representatives from the following IOMOU member States and observers attended the meeting:**

Australia, Bangladesh, France (Reunion Island), Islamic Republic of Iran, Kenya, Mauritius, Mozambique, Oman, South Africa and Sudan. The IOCIS Manager from the National Informatics Centre (NIC) also attended the meeting.

The member Authorities of Comoros, Eritrea, India, Maldives Sri Lanka and Yemen and the observers of the Ethiopia, Madagascar, Black Sea MoU, Paris MoU, Riyadh MoU, Tokyo MoU, United States Coast Guard (USCG), International Labour Organisation (ILO), the International Maritime Organization (IMO), and Equasis were not able to attend.

Mr. Francois BEAUGRAND current Chair of the Committee, presided over the Committee meeting as Chairman.

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The participants during the nineteenth Committee Meeting at Kenya

## Outcomes of the meeting included:

- 1 Approval of the following PSC Guidelines:
  - 1.1 Verification of compliance with SOLAS Chapter V, with regard to the carriage of appropriate and up to date Nautical Charts and Nautical Publications.
  - 1.2 Inspection of Non- Convention ships.
  - 1.3 Inspection of Mobile Offshore Drilling Units (MODUs).
- 2 Questionnaire and Guidelines for the CIC on MARPOL Annex IV. Same will be used as and when conducted in future.
- 3 The Committee reviewed the achievement status of the adopted Strategic Plan for the IOMOU for the period 2013-18.
- 4 New Inspection Regime (NIR) document prepared by the Secretariat, and members of the correspondence group are working on the same for future implementation.
- 5 Agreed to conduct Concentrated Inspection Campaign for Safety of Navigation in 2017.
- 6 The Committee further noted that during the year 2016, the Secretariat had not received any case of appeal for the detention review.
- 7 The Committee approved various additional codes for RO, Action taken, certificate and deficiencies related to MLC 2006, 2014 amendments, Polar code and IGF code.

## *Detention Review Panel*

If Flag State, or their Recognised Organisations (ROs) acting on behalf of the flag State disagree with outcome of the port State ruling, concerning a detention, either may request for a review by the Indian Ocean MOU's Detention Review Panel, within 90 days from the date of detention.

The Detention Review Panel is comprised of three Indian Ocean MOU member Authorities, excluding the port State and the vessels flag State and the ISM issuing country, if they are members of the Indian Ocean MOU.

In the year 2016, the Secretariat did not received any appeal towards any detention.

*Training And Seminars For Port State Control*



Participants during on-board training of PSC officers



Onboard training of PSC officers

*Trainings Sponsored by International Maritime Organization  
and under IOMOU TC fund for Capacity Building of the PSCOs*

PSCO from Kenya attended the Sixth Specialised Training Course (STC 6) organized by the Tokyo MOU at Yokohama, Japan from 14<sup>th</sup> to 18<sup>th</sup> March 2016, under IOMOU TC fund.

PSCO from South Africa, attended the IMO Sponsored Training Course on General Training Course with Tokyo MOU at Yokohama, Japan from 22<sup>nd</sup> August to 16<sup>th</sup> September 2016, supported by IMO and one PSCO from Sudan supported under IOMOU TC fund.

PSCO from Bangladesh, attended the IMO Sponsored Training Course on Human Element with Paris MOU from 04<sup>th</sup> to 07<sup>th</sup> October 2016, supported by IMO.



Onboard training of PSC officers

*Port State Control Deficiencies*



Sewage Treatment Plant defective



Defective Air Vent



Funnel holed in several places



Unsafe ignition process/fire hazard for diesel fired work in galley

## *Co-operation With Other Regional MoUs*

Considering the importance of inter-regional co-operation and harmonization, IOMOU participated in the Concentrated Inspection Campaign (CIC) on Cargo securing arrangements jointly with the Tokyo MoU in, 2016. All the CIC inspections were recorded in the Indian Ocean Computerised Information System (IOCIS) for the information of all interested parties. The Committee has decided to participate in other joint CIC as and when conducted by the Paris & Tokyo MoUs.

The IOMOU realized the need for this co-operation right from its inception and obtained the Observer status with the Tokyo MoU and later with the Paris MoU. It continues to maintain this status by attending their Committee meetings and other activities.

In a similar spirit the IOMOU has granted Observer status to the MoUs as indicated under the list of Observers.

The representatives of the Secretariat attend other's Committee meetings depending upon their own programmes. This is in effect to benchmark and gives an opportunity to understand initiatives of other MoUs on PSC. During the year the Secretary was invited to attend the following meetings:

Mediterranean MoU  
Abuja MoU  
Tokyo MoU  
Riyadh MoU  
Paris MOU

In this regard the Secretary attended the following meeting for the year 2016:

- Third session of the Sub-Committee on Implementation of IMO Instruments (III) held at IMO Headquarters, London from 18<sup>th</sup> to 22<sup>nd</sup> July 2016.
- 27<sup>th</sup> meeting of the Tokyo MoU Committee held in Hobart, Australia from 17<sup>th</sup> to 20<sup>th</sup> October 2016.
- 49<sup>th</sup> meeting of Paris MoU Committee held in the Haugesund, Norway from 23<sup>rd</sup> to 27<sup>th</sup> May 2016.

**IOCIS / WEBSITE**

IOCIS and the IOMOU website are maintained by the National Informatics Centre, Government of India. The Secretariat is in continuous contact with the Manager of the IOCIS. More enhancement such as uploading of supporting documents during PSC inspections, webservice between IOCIS and APCIS, is being taken care of.

Following enhancement/modification has been made in the IOMOU website/ IOCIS:

- 1 Addition, deactivation and correction in various codes, as approved during the nineteenth meeting.
- 2 Amendments in data validation rules.
- 3 Hosting of performance statistics for various categories of ship inspection data on home page of the website.
- 4 Outstanding deficiency verification period increased from 6 to 24 months with effect from 01.01.2017.
- 5 Implementation of NIR agreed in principal, further work in progress.
- 6 Committee approved the migration of website to cloud. Work in progress.

Data exchange with Equasis, Information Handling System (IHS), Lloyds List (LLG) and the International Maritime Organization (IMO) under GISIS is being carried out.

It is noted that the web-site <http://www.iomou.org> is visited by many to gather information on PSC inspections in the Indian Ocean region. The yearly statistical analysis of the use of the website is as given below:

Month	Hits	Visits	Page views	Kbytes sent
Jan-16	907265	17528	810923	96364901
Feb-16	885634	16043	784286	78903827
Mar-16	815840	15870	715076	59844700
Apr-16	1031913	14555	926922	11817120
May-16	999718	14728	900986	8416347
Jun-16	1040150	14182	935781	9694321
Jul-16	923667	14294	814475	10173988
Aug-16	962272	14794	857707	8378321
Sep-16	934290	14153	833362	8275493
Oct-16	1143403	14762	1049104	7750769
Nov-16	910435	14773	820837	4854309
Dec-16	928615	15875	846061	5201268
<b>Total</b>	<b>11483202</b>	<b>181557</b>	<b>10295520</b>	<b>309675364</b>

## Status of the Relevant Instruments

### STATUS OF RELEVANT INSTRUMENT (Date of Deposit of Instruments) As on 31 December 2016

Sr. No	Authority	TONNAGE CONVENTION 69	LOADLINE CONVENTION 66	LOAD LINE PROT 88	SOLAS 74	SOLAS PROT 78	SOLAS PROT 88	STCW 78	AFS 2001	COLREG 72	BANKERS CONVENTION 2001	CLC PROT1992	ILO 147/ MLC 2006*
1	Australia	21.05.1982	29.07.1968	07.02.1997	17.08.1983	17.08.1983	07.02.1997	07.11.1983	09.01.2007	29.02.1980	16.03.2009	09.10.1995	21.12.2011
2	Bangladesh	06.11.1981	10.05.1978	18.12.2002	06.11.1981	-	18.12.2002	06.11.1981	-	10.05.1978	-	-	06.11.2014
3	Comoros	22.11.2000	22.11.2000	-	22.11.2000	22.11.2000	-	22.11.2000	-	22.11.2000	-	15.01.2000	-
4	Eritrea	22.04.1996	22.04.1996	04.02.2000	22.04.1996	-	04.02.2000	22.04.1996	-	22.04.1996	-	-	-
5	France	31.10.1980	30.11.1966	05.10.1990	25.05.1977	21.12.1979	28.02.1992	11.07.1980	12.03.2007	10.05.1974	19.10.2010	29.09.1994	02.05.1978/ 28.02.2013
6	India	26.05.1977	19.04.1968	10.08.2000	16.06.1976	03.04.1986	22.08.2000	16.11.1984	24.04.2015	30.05.1973	-	15.11.1999	26.09.1996/ 09.10.2015
7	Iran	28.12.1973	05.10.1973	31.10.2006	17.10.1994	31.08.2000	31.10.2006	01.08.1996	06.04.2011	17.01.1989	21.11.2011	24.10.2007	11.06.2014
8	Kenya	15.12.1992	12.09.1975	07.07.2015	21.07.1999	07.07.2015	07.07.2015	15.12.1992	07.07.2015	15.12.1992	07.07.2015	02.02.2000	31.07.2014
9	Maldives	02.06.1983	29.01.1968	-	14.01.1981	-	20.05.2005	22.01.1987	-	14.01.1981	-	20.05.2005	07.10.2014
10	Mauritius	11.10.1988	11.10.1988	17.12.2002	01.02.1988	-	17.12.2002	04.07.1991	-	26.05.1989	17.07.2013	06.12.1999	30.05.2014
11	Mozambique	30.10.1991	30.10.1991	-	23.12.1996	-	-	15.11.1985	-	30.10.1991	-	26.04.2002	-
12	Oman	24.09.1990	20.08.1975	17.06.1991	25.04.1985	25.04.1985	17.06.1991	24.09.1990	-	25.04.1985	-	08.07.1994	-
13	South Africa	24.11.1982	14.12.1966	-	23.05.1980	11.01.1982	-	27.07.1983	02.07.2008	20.12.1976	-	01.10.2004	20.06.2013
14	Sri Lanka	11.03.1992	10.05.1974	-	30.08.1983	-	-	22.01.1987	-	04.01.1978	-	22.01.1999	-
15	Sudan	21.05.2002	26.09.1991	-	15.05.1990	-	-	26.02.1997	-	11.03.2003	-	-	-
16	Tanzania	28.03.2001	28.02.1989	-	28.03.2001	-	-	27.10.1982	-	16.05.2006	-	19.11.2002	-
17	Yemen	06.03.1979	06.03.1979	11.01.2012	06.03.1979	-	11.01.2012	14.02.2005	-	06.03.1979	-	20.09.2006	-
Entry in to force		18.07.1982	21.07.1968	03.02.2000	25.05.1980	01.05.1981	03.02.2000	28.04.1984	17.09.2008	15.07.1977	21.11.2008	30.05.1996	28.11.1981/ 20.08.2013

\* MLC 2006 will supersede ILO 147 if the Authority ratified both of them

**STATUS OF MARPOL 73/78  
(Date of Deposit of Instruments)  
As on 31 December 2016**

Sr. No	Authority	Annex I & II	Annex III	Annex IV	Annex V	Annex VI
1	Australia	14.10.1987	10.10.1994	27.02.2004	14.08.1990	07.08.2007
2	Bangladesh	18.12.2002	18.12.2002	18.12.2002	18.12.2002	18.12.2002
3	Comoros	22.11.2000	22.11.2000	22.11.2000	22.11.2000	—
4	Eritrea	—	—	—	—	—
5	France	25.09.1981	25.09.1981	25.09.1981	25.09.1981	15.07.2005
6	India	24.09.1986	11.06.2003	11.06.2003	11.06.2003	23.11.2011
7	Iran	25.10.2002	29.05.2009	29.05.2009	25.10.2002	29.05.2009
8	Kenya	15.12.1992	15.12.1992	15.12.1992	15.12.1992	14.01.2008
9	Maldives	20.05.2005	—	—	20.05.2005	—
10	Mauritius	06.04.1995	06.04.1995	06.04.1995	06.04.1995	—
11	Mozambique	09.11.2005	09.11.2005	09.11.2005	09.11.2005	—
12	Oman	13.03.1984	13.03.1984	13.03.1984	13.03.1984	—
13	South Africa	28.11.1984	05.02.1997	17.09.2015	13.05.1992	17.09.2015
14	Sri Lanka	24.06.1997	24.06.1997	24.06.1997	24.06.1997	—
15	Sudan	—	21.01.2015	21.01.2015	21.01.2015	—
16	Tanzania	23.07.2008	23.07.2008	23.07.2008	23.07.2008	—
17	Yemen	—	—	—	—	—
Entry in to force		02.10.1983	01.07.1992	27.09.2003	31.12.1988	19.05.2005

## *Statistics*

A total of 6010 inspections were carried out in 2016. Out of these 6010 inspections, 3393 inspections had deficiencies and the total numbers of deficiencies were 14830.

Serious deficiencies noted by the PSCOs led to the detention of 370 ships and needs to be rectified prior to the ships departure; the overall detention percentage for the year was 6.16 %. There was decrease in total number of inspections in 2016, compared with those in 2015 whereas, the detention percentage increased from 5.59 % recorded in 2015.

The average number of deficiencies per inspection in 2016 (2.46) has slightly increased compared to the previous year (2.38).

The information given in the following tables and charts represents the port State control activities of Australia, Bangladesh, France, India, Iran, Kenya, Maldives, Mauritius, Oman, Sri Lanka, South Africa, Sudan, & Yemen. The rest of the member Authorities are trying to overcome the challenges in carrying out their PSC Inspection activities.

It should be noted that Australia, is a member of both the Tokyo MoU and the Indian Ocean MOU. South Africa is a member of the Abuja MoU and Indian Ocean MOU, Oman is the member of Riyadh MoU and the Indian Ocean MOU. Each record their PSC data with both MoUs and so when considering a world picture of statistics, this duplication of data should be taken into account<sup>1</sup>.

A joint CIC on Cargo Securing Arrangements was held jointly with the Tokyo MoUs in 2016. The consolidated report on CIC activities in the Indian Ocean region is provided in this Annual Report.

***Port State Control Inspection Activities***

**STATISTICS FOR 2016**

**PORT STATE CONTROL INSPECTIONS CARRIED OUT BY AUTHORITIES**

Authority	Number of Inspections	Number of Inspections with deficiencies	Number of Deficiencies	Number of Detentions	Detention Percentage
Australia <sup>1</sup>	3675	2123	8940	245	6.67
Bangladesh	136	133	486	1	0.74
France	48	20	109	2	4.17
India	548	433	1805	19	3.47
Iran	742	494	2812	94	12.67
Kenya	499	82	252	0	0.00
Maldives	4	3	18	0	0.00
Mauritius	2	0	0	0	0.00
Oman <sup>1</sup>	130	53	160	0	0.00
South Africa <sup>1</sup>	217	43	175	7	3.23
Sri Lanka	9	9	73	2	22.22
<b>Total</b>	<b>6010</b>	<b>3393</b>	<b>14830</b>	<b>370</b>	<b>6.16</b>

<sup>1</sup>See comment on page 14 regarding Australia, South Africa, and Oman regarding data duplication between IOMOU and Tokyo, Abuja and Riyadh MoUs.

**Table: 1.**

**DEFICIENCIES BY TYPE OF SHIP**

Type of Ship	Number of Inspections	Number of Inspections with Deficiencies	Number of Deficiencies	Number of Detentions	Detention Percentage	Percentage of Inspections with Deficiencies
Bulk Carrier	3078	1853	7723	180	5.85	60.2
Chemical Tanker	519	273	1055	28	5.39	52.6
Container Ship	657	340	1393	25	3.81	51.75
Gas Carrier	128	61	206	6	4.69	47.66
General Cargo / Multipurpose ship	423	266	1482	42	9.93	62.88
Heavy Load Carrier	27	12	88	3	11.11	44.44
High Speed Passenger Craft	1	1	8	0	0.00	100.00
Livestock Carrier	57	34	151	3	5.26	59.65
NLS Tanker *	28	14	33	3	10.71	50.00
Offshore Service Vessel	59	44	489	20	33.90	74.58
Oil Tanker	449	214	1110	35	7.80	47.66
Other Types of Ship	34	20	101	2	5.88	58.82
Passenger Ship	57	28	81	1	1.75	49.12
Refrigerated Cargo Carrier	35	13	49	0	0.00	37.14
Ro-Ro Cargo Ship	22	16	64	1	4.55	72.73
Special Purpose Ship	18	10	51	2	11.11	55.56
Tugboat	48	41	240	9	18.75	85.42
Vehicle Carrier	287	96	287	7	2.44	33.45
Woodchip Carrier	83	57	219	3	3.61	68.67
<b>Total</b>	<b>6010</b>	<b>3393</b>	<b>14830</b>	<b>370</b>		

\* Earlier known to be Tanker not otherwise specified.

**Table: 2.**

## DEFICIENCIES BY FLAG

Flag	Number of Inspections	Number of Inspections with Deficiencies	Number of Deficiencies	Number of Detentions	Detention Percentage
Antigua and Barbuda	94	58	250	5	5.32
Bahamas	217	85	287	9	4.15
Bangladesh	7	7	30	0	0.00
Barbados	2	0	0	0	0.00
Belgium	9	4	11	0	0.00
Belize	15	15	99	4	26.67
Bermuda (UK)	29	15	48	1	3.45
Brazil	1	1	10	0	0.00
Cayman Islands (UK)	32	11	31	0	0.00
China	117	57	197	2	1.71
Comoros	7	6	32	1	14.29
Cook Islands	11	9	68	2	18.18
Croatia	7	5	36	3	42.86
Cyprus	121	75	297	7	5.79
Denmark	35	20	63	0	0.00
Egypt	1	1	2	0	0.00
France	15	6	15	1	6.67
Fiji	2	1	5	0	0.00
Faroe Islands	1	1	4	0	0.00
Germany	13	4	13	0	0.00
Gibraltar (UK)	18	11	38	0	0.00
Georgia	1	1	5	0	0.00
Greece	112	56	243	6	5.36
Hong Kong, China	632	333	1251	28	4.43
India	33	21	117	3	9.09
Indonesia	9	5	29	1	11.11
Iran	7	4	16	0	0.00
Ireland	1	1	1	0	0.00
Isle of Man (UK)	60	20	64	1	1.67
Italy	39	20	78	2	5.13
Japan	75	37	114	3	4.00
Jamaica	1	1	4	0	0.00
Jordan	2	2	6	1	50.00
Kiribati	1	1	4	0	0.00
Korea, Republic of	79	52	201	5	6.33
Kuwait	6	2	5	0	0.00
Liberia	615	321	1331	29	4.72
Luxembourg	13	7	25	0	0.00
Libya	2	2	10	1	50.00
Malaysia	13	6	27	0	0.00
Malta	354	201	781	17	4.80
Maldives	2	2	18	1	50.00

**Table: 2 (Contd.)**

**DEFICIENCIES BY FLAG**

Flag	Number of Inspections	Number of Inspections with Deficiencies	Number of Deficiencies	Number of Detentions	Detention Percentage
Marshall Islands	585	318	1222	33	5.64
Mauritius	1	1	7	0	0.00
Mongolia	1	1	38	1	100.00
Montenegro	1	0	0	0	0.00
Madagascar	1	1	20	1	100.00
Netherlands	26	11	46	2	7.69
New Zealand	3	3	7	0	0.00
Norway	72	35	135	3	4.17
Oman	1	1	8	0	0.00
Pakistan	2	1	6	0	0.00
Palau	29	25	204	6	20.69
Panama	1527	956	4426	121	7.92
Papua New Guinea	9	9	103	5	55.56
Philippines	34	24	114	1	2.94
Portugal	36	19	82	1	2.78
Russian Federation	1	1	1	0	0.00
Saint Kitts and Nevis	19	19	236	11	57.89
Saint Vincent and the Grenadines	36	29	145	5	13.89
Saudi Arabia	4	2	4	0	0.00
Solomon Islands	3	3	16	0	0.00
Sierra Leone	2	2	37	2	100.00
Singapore	581	290	1121	18	3.10
Sri Lanka	4	3	26	1	25.00
Sweden	15	5	11	0	0.00
Switzerland	15	10	36	0	0.00
South Africa	1	0	0	0	0.00
Spain	1	1	5	0	0.00
Taiwan, China	19	15	98	4	21.05
Tanzania	18	17	297	10	55.56
Thailand	15	9	59	4	26.67
Togo	13	11	92	4	30.77
Turkey	23	15	39	1	4.85
Tuvalu	15	10	43	0	0.00
United Arab Emirates	3	2	17	1	33.33
United Kingdom	35	19	62	1	2.86
United States	8	4	12	0	0.00
Vanuatu	9	5	28	1	11.11
Viet Nam	31	29	161	0	0.00
<b>Total</b>	<b>6010</b>	<b>3393</b>	<b>14830</b>	<b>370</b>	

**Table: 3.**

**DEFICIENCIES BY CATEGORIES**

Code	Nature of Deficiencies	Number of Deficiencies	Percentage
011	Certificate & Documentation - Ship Certificates	466	3.14
012	Certificate & Documentation - Crew Certificates	253	1.71
013	Certificate & Documentation – Documents	613	4.13
021	Structural Conditions	492	3.32
031	Water/Weathertight conditions	880	5.93
041	Emergency Systems	762	5.14
051	Radio Communications	524	3.53
061	Cargo operations including equipment	251	1.69
071	Fire safety	1961	13.22
081	Alarms	121	0.82
091	Living Conditions	161	1.09
092	Working Conditions	639	4.31
101	Safety of Navigation	2317	15.62
111	Life saving appliances	1569	10.58
121	Dangerous goods	23	0.16
131	Propulsion and auxiliary machinery	809	5.46
141	Pollution prevention - MARPOL Annex I	327	2.20
142	Pollution prevention - MARPOL Annex II	2	0.01
143	Pollution prevention - MARPOL Annex III	1	0.01
144	Pollution prevention - MARPOL Annex IV	299	2.02
145	Pollution prevention - MARPOL Annex V	174	1.17
146	Pollution prevention - MARPOL Annex VI	117	0.79
147	Pollution Prevention – Anti Fouling	1	0.01
151	ISM	646	4.36
161	ISPS	68	0.46
181	Minimum requirements for seafarers	5	0.03
182	Labour Conditions - Conditions of employment	166	1.12
183	Accommodation recreational facilities F and C	318	2.14
184	Health protection, medical care, social security	663	4.47
991	Other	202	1.36
	<b>Total</b>	<b>14830</b>	

**Table: 4**

## DEFICIENCIES BY RECOGNISED ORGANISATION

Recognised Organisation	Number of Overall Inspections	Number of Inspections with Deficiencies	Number of overall Detentions	Overall Detention %	Number of RO Responsible Detentions	RO Responsible Detention %	Number of RO Related Deficiencies
American Bureau of Shipping	628	310	37	5.89	4	0.64	6
American Register of Shipping	2	2	2	100.00	2	100.00	18
Bureau Veritas	693	424	42	6.06	10	1.44	22
China Classification Society	318	169	10	3.14	1	0.31	2
Columbus American Register	1	1	1	100.00	0	0.00	0
Conarina Llc	1	1	0	0.00	0	0.00	0
CR Classification Society	6	5	1	16.67	0	0.00	0
Croatian Register of Shipping	4	3	2	50.00	1	25.00	1
DNV GL AS	949	486	49	5.16	9	0.95	10
Dromon Bureau of Shipping	3	2	2	66.67	1	33.33	1
Indian Register of Shipping	31	22	5	16.13	3	9.68	7
Indonesian Classification Bureau	1	0	0	0.00	0	0.00	0
Inspeccion y Clasificacion Maritima	1	1	1	100.00	1	100.00	1
International Maritime Register	1	1	0	0.00	0	0.00	0
International Naval Surveys Bureau	9	8	5	55.56	2	22.22	6
International Register of Shipping	26	26	12	46.15	4	15.38	10
International Ship Classification	1	1	0	0.00	0	0.00	0
Iranian Classification Society	4	1	0	0.00	0	0.00	0
Isthmus Bureau of Shipping, S.A	2	1	1	50.00	1	50.00	2
Korean Register of Shipping	351	208	18	5.13	2	0.57	19
Lloyd's Register	770	392	29	3.77	3	0.39	5
Macosnar Corporation	4	4	3	75.00	3	75.00	27
National Shipping Adjusters Inc.	4	1	1	25.00	1	25.00	1
Nippon Kaiji Kyokai	1985	1174	123	6.20	9	0.45	25
No Class	7	5	1	14.29	0	0.00	0
Novel Classification Society S.A.	1	1	0	0.00	0	0.00	0
Other *	18	16	9	50.00	5	27.78	19
Overseas Marine Certification Services, Inc.	7	7	4	57.14	3	42.86	8
Panama Maritime Documentation Services	8	8	2	25.00	2	25.00	14
Panama Register Corporation	1	1	1	100.00	1	100.00	1
Panama Shipping Registrar Inc	1	1	1	100.00	1	100.00	1
Phoenix Register of Shipping S.A.	1	1	0	0.00	0	0.00	0
Polski Rejestr Statkow	12	11	3	25.00	1	8.33	1
R.J.Del Pan	1	1	1	100.00	1	100.00	1
Russian Maritime Register of Shipping	9	8	0	0.00	0	0.00	0
RINA Services S.p.A.	132	75	8	6.06	0	0.00	0
Shipping Register of Ukraine	1	1	1	100.00	0	0.00	0
SingClass International Pte Ltd.	1	1	1	100.00	1	100.00	15
Viet Nam Register	21	19	0	0.00	0	0.00	0

\* Inspection classed with Scandinavi Register of Shipping, Zanzibar Maritime Authority, Intertek Maritime Bureau, Carona Corporation, Qualitas Register of Shipping, Worldwide Register of Shipping, Maritimes Cert of Shipping, VR\_DNV.GL etc. are included in this RO.

**Note:** The case where more than one Recognised Organisation issued ship's certificate, the inspection and detention is counted to each of them.

**Table: 5**

**COMPARISON OF INSPECTIONS AND DEFICIENCIES PER SHIP TYPE**

Type of Ship	Number of Inspections				Number of Inspections with Deficiencies				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Bulk Carrier	3188	3401	3078	9667	1936	1939	1853	5728	59.25
Chemical Tanker	334	377	519	1230	162	181	273	616	50.08
Combination Carrier	3	0	0	3	1	0	0	1	33.33
Container Ship	731	664	657	2052	331	339	340	1010	49.22
Gas Carrier	80	119	128	327	34	45	61	140	42.81
General Cargo / Multipurpose Ship	539	470	423	1432	387	290	266	943	65.85
Heavy Load Carrier	55	48	27	130	34	23	12	69	53.08
High Speed Passenger Craft	2	0	1	3	2	0	1	3	100.00
Livestock Carrier	73	52	57	182	64	33	34	131	71.98
MODU & FPSO	3	7	0	10	1	5	0	6	60.00
NLS Tanker*	26	24	28	78	13	14	14	41	52.56
Offshore Service Vessel	62	63	59	184	32	33	44	109	59.24
Oil Tanker	362	339	449	1150	142	137	214	493	42.87
Other Type of Ship	56	38	34	128	43	25	20	88	68.75
Passenger Ship	44	57	57	158	29	37	28	94	59.49
Refrigerated Cargo Vessel	32	44	35	111	13	20	13	46	41.44
Ro-Ro Cargo Ship	98	38	22	158	27	25	16	68	43.04
Ro-Ro Passenger Ship	10	1	0	11	5	1	0	6	54.55
Special Purpose Ship	8	21	18	47	6	11	10	27	57.45
Tugboat	91	92	48	231	66	57	41	164	71
Vehicle Carrier	205	325	287	817	100	108	96	304	37.21
Woodchip Carrier	57	73	83	213	41	49	57	147	69.01
Total	6059	6253	6010	18322	3469	3372	3393	10234	55.86

\* Earlier known to be Tanker not otherwise specified.

**Table: 6**

**COMPARISON OF INSPECTIONS AND DETENTIONS PER SHIP TYPE**

Type of Ship	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Bulk Carrier	3188	3401	3078	9667	191	168	180	539	5.58
Chemical Tanker	334	377	519	1230	10	14	28	52	4.23
Combination Carrier	3	0	0	3	0	0	0	0	0.00
Container Ship	731	664	657	2052	38	43	25	106	5.17
Gas Carrier	80	119	128	327	3	4	6	13	3.98
General Cargo / Multipurpose Ship	539	470	423	1432	61	39	42	142	9.92
Heavy Load Carrier	55	48	27	130	4	3	3	10	7.69
High Speed Passenger Craft	2	0	1	3	0	0	0	0	0.00
Livestock Carrier	73	52	57	182	7	4	3	14	7.69
MODU & FPSO	3	7	0	10	1	2	0	3	30.00
NLS Tanker*	26	24	28	78	1	3	3	7	8.97
Oil Tanker	362	339	449	1150	13	23	35	71	6.17
Offshore service Vessel	62	63	59	184	7	14	20	41	22.28
Other Types of Ship	56	38	34	128	11	3	2	16	12.50
Passenger Ship	44	57	57	158	3	1	1	5	3.16
Refrigerated Cargo Vessel	32	44	35	111	1	2	0	3	2.70
Ro-Ro Cargo Ship	98	38	22	158	5	2	1	8	5.06
Ro-Ro Passenger Ship	10	1	0	11	0	0	0	0	0.00
Special Purpose Ship	8	21	18	47	0	3	2	5	10.64
Tugboat	91	92	48	231	12	6	9	27	11.69
Vehicle Carrier	205	325	287	817	9	9	7	25	3.06
Woodchip Carrier	57	73	83	213	2	6	3	11	5.16
Total	6059	6253	6010	18322	379	349	370	1098	5.99

\* Earlier known to be Tanker Not Otherwise Specified.

**Table: 7**

## COMPARISON OF INSPECTIONS AND DETENTIONS PER FLAG

Flag	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Antigua and Barbuda	126	125	94	345	17	15	5	37	10.72
Bahamas	198	218	217	633	12	7	9	28	4.42
Bangladesh	19	8	7	34	6	2	0	8	23.53
Barbados	9	5	2	16	2	0	0	2	12.50
Belgium	7	11	9	27	0	0	0	0	0.00
Belize	19	8	15	42	4	3	4	11	26.19
Bermuda (UK)	16	31	29	76	0	0	1	1	1.32
Bolivia	2	0	0	2	0	0	0	0	0.00
Brazil	0	0	1	1	0	0	0	0	0.00
Cambodia	4	3	0	7	1	1	0	2	28.57
Cayman Islands (UK)	31	35	32	98	0	2	0	2	2.04
China	157	153	117	427	2	3	2	7	1.64
Comoros	2	7	7	16	0	2	1	3	18.75
Congo, Democratic Rep. of	0	1	0	1	0	1	0	1	100.00
Cook Islands	9	11	11	31	1	3	2	6	19.35
Croatia	5	5	7	17	0	0	3	3	17.65
Curacao (NL)*	3	4	0	7	0	0	0	0	0.00
Cyprus	131	136	121	388	10	9	7	26	6.70
Denmark	34	31	35	100	1	0	0	1	1.00
Dominica	4	2	0	6	2	0	0	2	33.33
Egypt	8	0	1	9	1	0	0	1	11.11
Estonia	2	1	0	3	1	0	0	1	33.33
Ethiopia	3	2	0	5	0	0	0	0	0.00
Faroe Islands	0	0	1	1	0	0	0	0	0.00
Fiji	0	0	2	2	0	0	0	0	0.00
France	5	6	15	26	0	0	1	1	3.85
Germany	12	6	13	31	0	0	0	0	0.00
Georgia	0	0	1	1	0	0	0	0	0.00
Gibraltar (UK)	25	22	18	65	0	2	0	2	3.08
Greece	101	110	112	323	11	4	6	21	6.50
Hong Kong, China	669	699	632	2000	22	30	28	80	4.00
Honduras	1	0	0	1	1	0	0	1	100.00
India	21	24	33	78	1	2	3	6	7.69
Indonesia	17	15	9	41	10	4	1	15	36.59
Iran	9	10	7	26	2	0	0	2	7.69
Ireland	0	0	1	1	0	0	0	0	0.00
Isle of Man (UK)	86	77	60	223	2	2	1	5	2.24
Israel	0	2	0	2	0	0	0	0	0.00
Italy	40	43	39	122	1	3	2	6	4.92
Jamaica	1	0	1	2	1	0	0	1	50.00
Japan	73	89	75	237	2	2	3	7	2.95
Jordan	4	0	2	6	1	0	1	2	33.33

\* Flag Netherlands Antilles changed to Curacao with effect from 10.10.2010.

**Table: 7 (Contd.)**

## COMPARISON OF INSPECTIONS AND DETENTIONS PER FLAG

Flag	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Kiribati	1	1	1	3	0	0	0	0	0.00
Korea, Democratic People's Republic	3	0	0	3	0	0	0	0	0.00
Korea, Republic of	88	117	79	284	4	13	5	22	7.75
Kuwait	5	7	6	18	0	0	0	0	0.00
Liberia	652	604	615	1871	38	45	29	112	5.99
Libya	1	0	2	3	0	0	1	1	33.33
Lithuania	1	2	0	3	0	0	0	0	0.00
Luxembourg	12	2	13	27	1	0	0	1	3.70
Madagascar	0	0	1	1	0	0	1	1	100.00
Malaysia	19	11	13	43	2	0	0	2	4.65
Maldives	2	1	2	5	1	1	1	3	60.00
Malta	302	310	354	966	15	20	17	52	5.38
Marshall Islands	517	575	585	1677	21	20	33	74	4.41
Mauritius	4	1	1	6	0	0	0	0	0.00
Moldova	8	1	0	9	2	1	0	3	33.33
Mongolia	4	5	1	10	2	1	1	4	40.00
Montenegro	1	0	1	2	0	0	0	0	0.00
Myanmar	2	1	0	3	0	0	0	0	0.00
Netherlands	46	47	26	119	0	0	2	2	1.68
New Zealand	2	7	3	12	0	1	0	1	8.33
Norway	76	81	72	229	2	0	3	5	2.18
Oman	0	0	1	1	0	0	0	0	0.00
Pakistan	1	1	2	4	0	1	0	1	25.00
Palau	3	5	29	37	2	3	6	11	29.73
Panama	1492	1568	1527	4587	109	91	121	321	7
Papua New Guinea	8	8	9	25	2	1	5	8	32.00
Philippines	50	44	34	128	3	1	1	5	3.91
Portugal	9	17	36	62	1	0	1	2	3.23
Qatar	3	1	0	4	1	0	0	1	25.00
Russian Federation	0	2	1	3	0	0	0	0	0.00
Saint Kitts and Nevis	7	11	19	37	4	7	11	22	59.46
Saint Vincent and the Grenadines	46	44	36	126	2	5	5	12	9.52
Samoa	2	1	0	3	0	1	0	1	33.33
Saudi Arabia	14	7	4	25	0	1	0	1	4.00
Sierra Leone	9	3	2	14	4	0	2	6	42.86
Singapore	562	628	581	1771	23	22	18	63	3.56
Solomon Islands	0	4	3	7	0	1	0	1	14.29
South Africa	0	0	1	1	0	0	0	0	0.00

**Table: 7 (Contd.)**

**COMPARISON OF INSPECTIONS AND DETENTIONS PER FLAG**

Flag	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Spain	0	0	1	1	0	0	0	0	0.00
Sri Lanka	1	3	4	8	1	0	1	2	25.00
Sweden	9	12	15	36	1	0	0	1	2.78
Switzerland	13	12	15	40	1	0	0	1	2.50
Taiwan, China	14	24	19	57	0	0	4	4	7.02
Tanzania	19	5	18	42	7	2	10	19	45.24
Thailand	19	19	15	53	0	1	4	5	9.43
Tunisia	0	1	0	1	0	0	0	0	0.00
Togo	17	5	13	35	1	1	4	6	17.14
Tonga	2	0	0	2	0	0	0	0	0.00
Turkey	26	21	23	70	1	0	1	2	2.86
Tuvalu	17	13	15	45	3	0	0	3	6.67
United Arab Emirates (UAE)	4	3	3	10	1	1	1	3	30.00
United Kingdom	43	42	35	120	3	1	1	5	4.17
United States	13	15	8	36	0	1	0	1	2.78
Vanuatu	21	14	9	44	2	0	1	3	6.82
Viet Nam	36	47	31	114	5	9	0	14	12.28
Total	6059	6253	6010	18322	379	349	370	1098	

**Table: 8**

## COMPARISON OF DEFICIENCIES BY CATEGORIES

Code	Nature of Deficiencies	Number of Deficiencies YEAR		
		2014	2015	2016
011	Certificate & Documentation - Ship Certificates	415	356	466
012	Certificate & Documentation - Crew Certificates	324	243	253
013	Certificate & Documentation – Documents	831	709	613
021	Structural Conditions	453	479	492
031	Water/Weathertight conditions	888	778	880
041	Emergency Systems	878	846	762
051	Radio Communications	665	529	524
061	Cargo operations including equipment	201	193	251
071	Fire safety	2474	2057	1961
081	Alarms	139	135	121
091	Living Conditions	167	128	161
092	Working Conditions	916	629	639
101	Safety of Navigation	2626	2255	2317
111	Life saving appliances	1710	1493	1569
121	Dangerous goods	20	43	23
131	Propulsion and auxiliary machinery	801	737	809
141	Pollution prevention - MARPOL Annex I	283	368	327
142	Pollution prevention - MARPOL Annex II	0	0	2
143	Pollution prevention - MARPOL Annex III	10	0	1
144	Pollution prevention - MARPOL Annex IV	293	319	299
145	Pollution prevention - MARPOL Annex V	204	197	174
146	Pollution prevention - MARPOL Annex VI	110	84	117
147	Pollution prevention – Anti Fouling	0	1	1
151	ISM	766	630	646
161	ISPS	82	114	68
181	Minimum requirements for seafarers	31	17	5
182	Labour Conditions - Conditions of employment	188	210	166
183	Accommodation recreational facilities F and C	563	483	318
184	Health protection, medical care, social security	533	700	663
991	Other	285	174	202
	<b>Total</b>	<b>16856</b>	<b>14907</b>	<b>14830</b>

**Table: 9**

## COMPARISON OF INSPECTIONS AND DEFICIENCIES PER RECOGNISED ORGANISATION

Recognised Organisation	Number of Inspections				Number of Inspection with Deficiencies				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
American Bureau of Shipping	602	640	628	1870	317	317	310	944	50.48
American Register of Shipping	3	3	2	8	1	2	2	5	62.50
Asia Classification Society	2	2	0	4	2	2	0	4	100.00
Bureau Veritas	658	652	693	2003	418	368	424	1210	60.41
Caspian Register of Shipping	3	0	0	3	0	0	0	0	0.00
China Classification Society	367	376	317	1060	202	184	168	554	52.26
CR Classification Society	6	6	6	18	4	4	5	13	72.22
Columbus American Register	2	0	1	3	1	0	1	2	66.67
Croatian Register of Shipping	3	6	4	13	1	3	3	7	53.85
Conarina Llc	0	0	1	1	0	0	1	1	100.00
DNV GL AS	1130	1060	949	3139	573	554	486	1613	51.38
Dromon Bureau of Shipping	10	1	3	14	7	0	2	9	64.29
Global Marine Bureau Inc.	0	3	0	3	0	3	0	3	100.00
Indian Register of Shipping	18	18	31	67	11	13	22	46	68.66
Indonesia Classification Bureau	2	1	1	4	2	1	0	3	75.00
Inspeccion y Clasificacion Maritima	0	0	1	1	0	0	1	1	100.00
Intermaritime Certification Services S.A.	1	1	0	2	1	0	0	1	50.00
International Naval Surveys Bureau	9	7	9	25	6	5	8	19	76.00
International Register of Shipping	14	9	26	49	13	9	26	48	97.96
International Ship Classification	0	1	1	2	0	1	1	2	100.00
International Maritime Register	0	0	1	1	0	0	1	1	100.00
Iranian Classification Society	5	7	4	16	3	3	1	7	43.75
Isthmus Bureau of Shipping ,S.A	3	1	2	6	3	1	1	5	83.33
Korea Classification Society	3	0	0	3	3	0	0	3	100.00
Korean Register of Shipping	337	391	351	1079	199	204	208	611	56.63
Lloyd s Register	770	803	770	2343	436	390	392	1218	51.98
Macosnar Corporation Society	1	0	4	5	1	0	4	5	100.00
Maritime Bureau of Shipping	7	2	0	9	6	2	0	8	88.89
Maritime Lloyd Ltd., Georgia	1	0	0	1	1	0	0	1	100.00
National Shipping Adjusters Inc	1	1	4	6	1	1	1	3	50.00
Nippon Kaiji Kyokai	1858	2050	1985	5893	1097	1152	1174	3423	58.09
Novel Classification Society S.A.	0	0	1	1	0	0	1	1	100.00
No Class	3	14	7	24	2	12	5	19	79.17
Overseas Marine Certification Service , Inc.	1	4	7	12	1	4	7	12	100.00
Panama Maritime Documentation Services	3	3	7	13	3	3	7	13	100.00
Panama Register Corporation	1	2	0	3	0	1	0	1	33.33
Phoenix Register of Shipping S. A.	1	2	1	4	1	2	1	4	100.00
Polski Rejestr Statkow	7	9	12	28	6	7	11	24	85.71
Russian Maritime Register of Shipping	15	8	9	32	5	3	8	16	50.00
RINA Services S.p.A.	155	131	132	418	88	86	75	249	59.57

**Table: 9 (Contd.)**

**COMPARISON OF INSPECTIONS AND DEFICIENCIES PER RECOGNISED ORGANISATION**

Recognised Organisation	Number of Inspections				Number of Inspection with Deficiencies				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Ship Classification Society of Malaysia	1	0	0	1	1	0	0	1	100.00
Shipping Register of Ukraine	0	0	1	1	0	0	1	1	100.00
Sing Class International Pte Ltd.	1	2	1	4	1	1	1	3	75.00
Turkish Lloyd	1	1	0	2	0	1	0	1	50.00
Venezuelan Register of Shipping	2	0	0	2	2	0	0	2	100.00
Viet Nam Register	34	32	21	87	34	30	19	83	95.40
Other	18	3	17	38	16	2	15	33	86.84
Withdrawn	0	1	0	1	0	1	0	1	100.00
	6059	6253	6010	18322	3469	3372	3393	10234	

**Table: 10**

## COMPARISON OF INSPECTIONS AND DETENTIONS PER RECOGNISED ORGANISATION

Recognised Organisation	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
American Bureau of Shipping	602	640	628	1870	27	28	37	92	4.92
American Register of Shipping	3	3	2	8	0	1	2	3	37.50
Asia Classification Society	2	2	0	4	2	0	0	2	50.00
Bureau Veritas	658	652	693	2003	49	39	42	130	6.49
Caspian Register of Shipping	3	0	0	3	0	0	0	0	0.00
China Classification Society	367	376	317	1060	12	9	9	30	2.83
CR Classification Society	6	6	6	18	0	0	1	1	5.56
Columbus American Register	2	0	1	3	0	0	1	1	33.33
Conarina Llc	0	0	1	1	0	0	0	0	0.00
Croatian Register of Shipping	3	6	4	13	0	0	2	2	15.38
DNV GL AS	1130	1060	949	3139	78	69	49	196	6.24
Dromon Bureau of Shipping	10	1	3	14	1	0	2	3	21.43
Global Marine Bureau Inc.	0	3	0	3	0	2	0	2	66.67
Indian Register of Shipping	18	18	31	67	2	2	5	9	13.43
Inspeccion y Clasificacion Maritima	0	0	1	1	0	0	1	1	100.00
Intermaritime Certification Services S.A.	1	1	0	2	1	0	0	1	50.00
International Register of Shipping	14	9	26	49	8	7	12	27	55.10
International Maritime Register	0	0	1	1	0	0	0	0	0.00
International Naval Surveys Bureau	9	7	9	25	2	2	5	9	36.00
International Ship Classification	0	1	1	2	0	0	0	0	0.00
Iranian Classification Society	5	7	4	16	0	0	0	0	0.00
Indonesian Classification Bureau	2	1	1	4	1	0	0	1	25.00
Isthmus Bureau of Shipping ,S.A	3	1	2	6	1	0	1	2	33.33
Korea Classification Society	3	0	0	3	0	0	0	0	0.00
Korean Register of Shipping	337	391	351	1079	15	19	18	52	4.82
Lloyd s Register	770	803	770	2343	40	28	29	97	4.14
Macosnar Corporation	1	0	4	5	1	0	3	4	80.00
Maritime Bureau of Shipping	7	2	0	9	2	2	0	4	44.44
Maritime Lloyd Ltd., Georgia	1	0	0	1	0	0	0	0	0.00
National Shipping Adjusters Inc	1	1	4	6	1	0	1	2	33.33
Nippon Kaiji Kyokai	1858	2050	1985	5893	108	110	123	341	5.79
Overseas Marine Certification Service,Inc.	1	4	7	12	1	0	4	5	41.67
Panama Maritime Documentation Services	3	3	7	13	3	3	1	7	53.85
Panama Register Corporation	1	2	0	3	0	0	0	0	0.00
Phoenix Register of Shipping S. A.	1	2	1	4	1	2	0	3	75.00
Polski Rejestr Statkow	7	9	12	28	0	5	3	8	28.57
Russian Maritime Register of Shipping	15	8	9	32	1	0	0	1	3.13
RINA Services S.p.A (RINA)	155	131	132	418	10	7	8	25	5.98
Ship Classification Society of Malaysia	1	0	0	1	0	0	0	0	0.00
Sing Class International Pte Ltd.	1	2	1	4	1	1	1	3	75.00

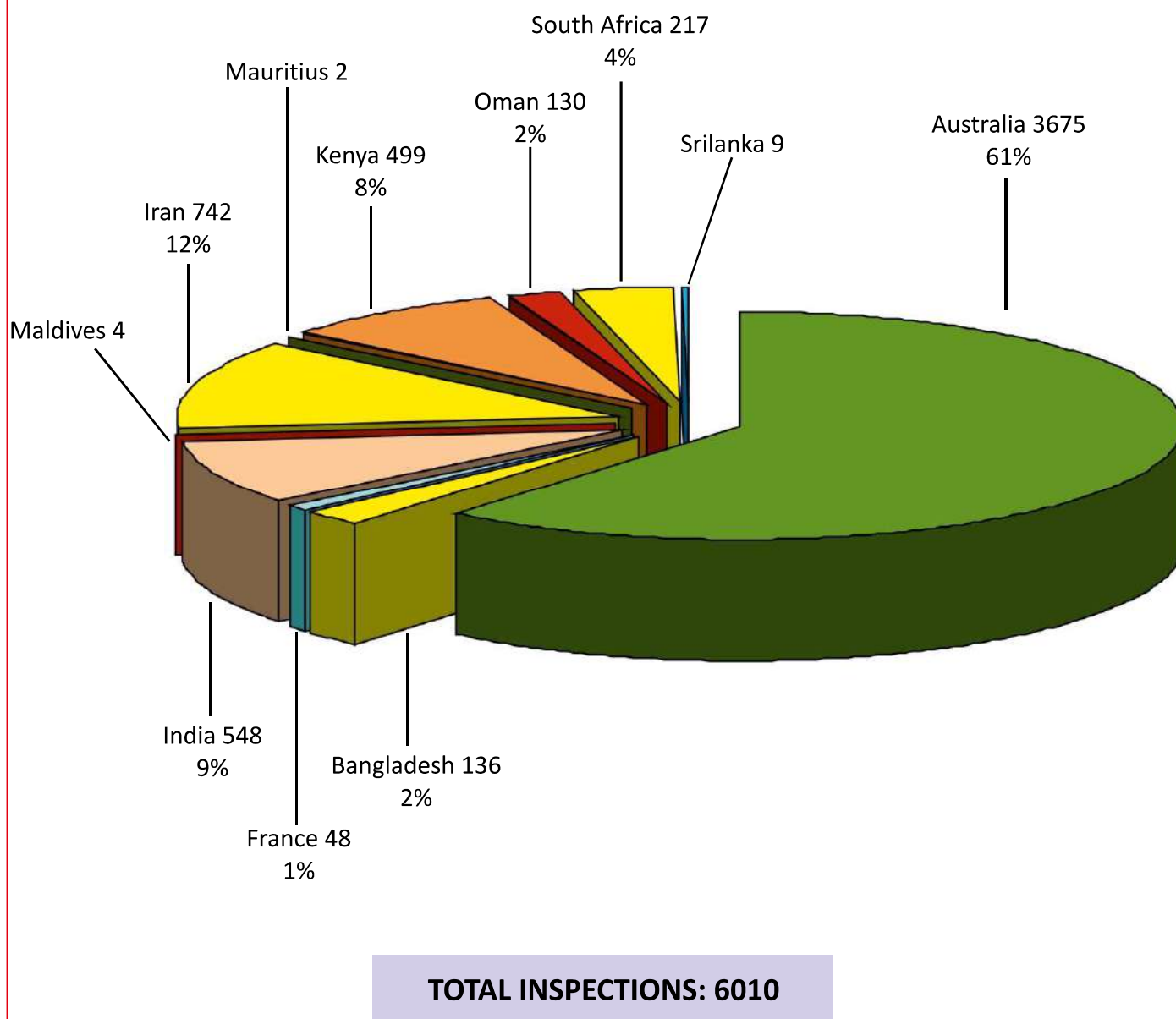
**Table: 10 (Contd.)**

**COMPARISON OF INSPECTIONS AND DETENTIONS PER RECOGNISED ORGANISATION**

Recognised Organisation	Number of Inspections				Number of Detentions				3-year average percentage
	Year				Year				
	2014	2015	2016	Total	2014	2015	2016	Total	
Shipping Register of Ukraine	0	0	1	1	0	0	1	1	100.00
Turkish Lloyd	1	1	0	2	0	0	0	0	0.00
Venezuelan Register of Shipping	2	0	0	2	0	0	0	0	0.00
Viet Nam Register	34	32	21	87	5	6	0	11	12.64
No Class	3	14	7	24	1	5	1	7	29.17
Novel Classification Society S.A.	0	0	1	1	0	0	0	0	0.00
Other	18	3	17	38	5	1	8	14	36.84
Withdrawn	0	1	0	1	0	1	0	1	100.00
Total	6059	6253	6010	18322	379	349	370	1098	

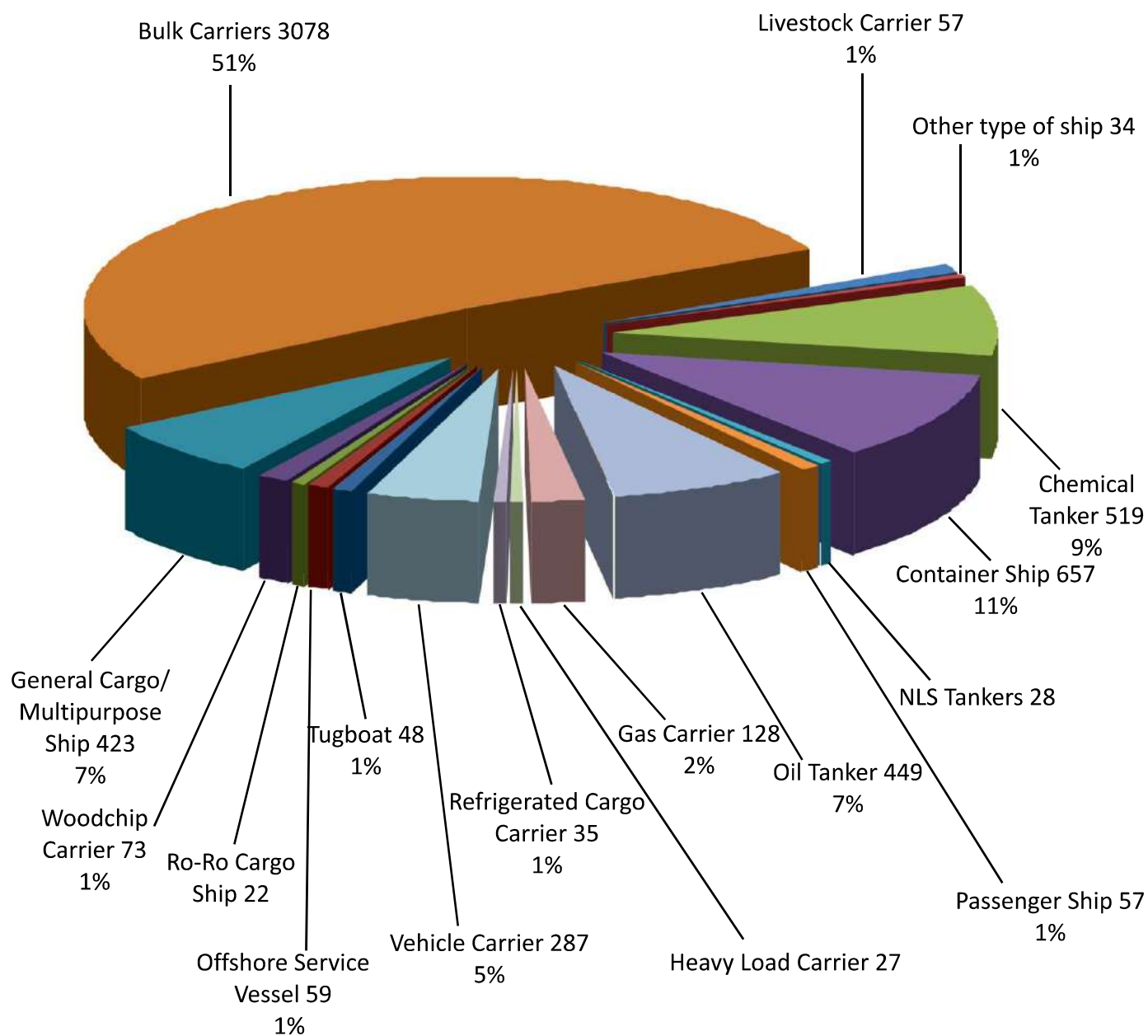
### Inspection Efforts

Fig. 1.



### Type of Ship Inspected

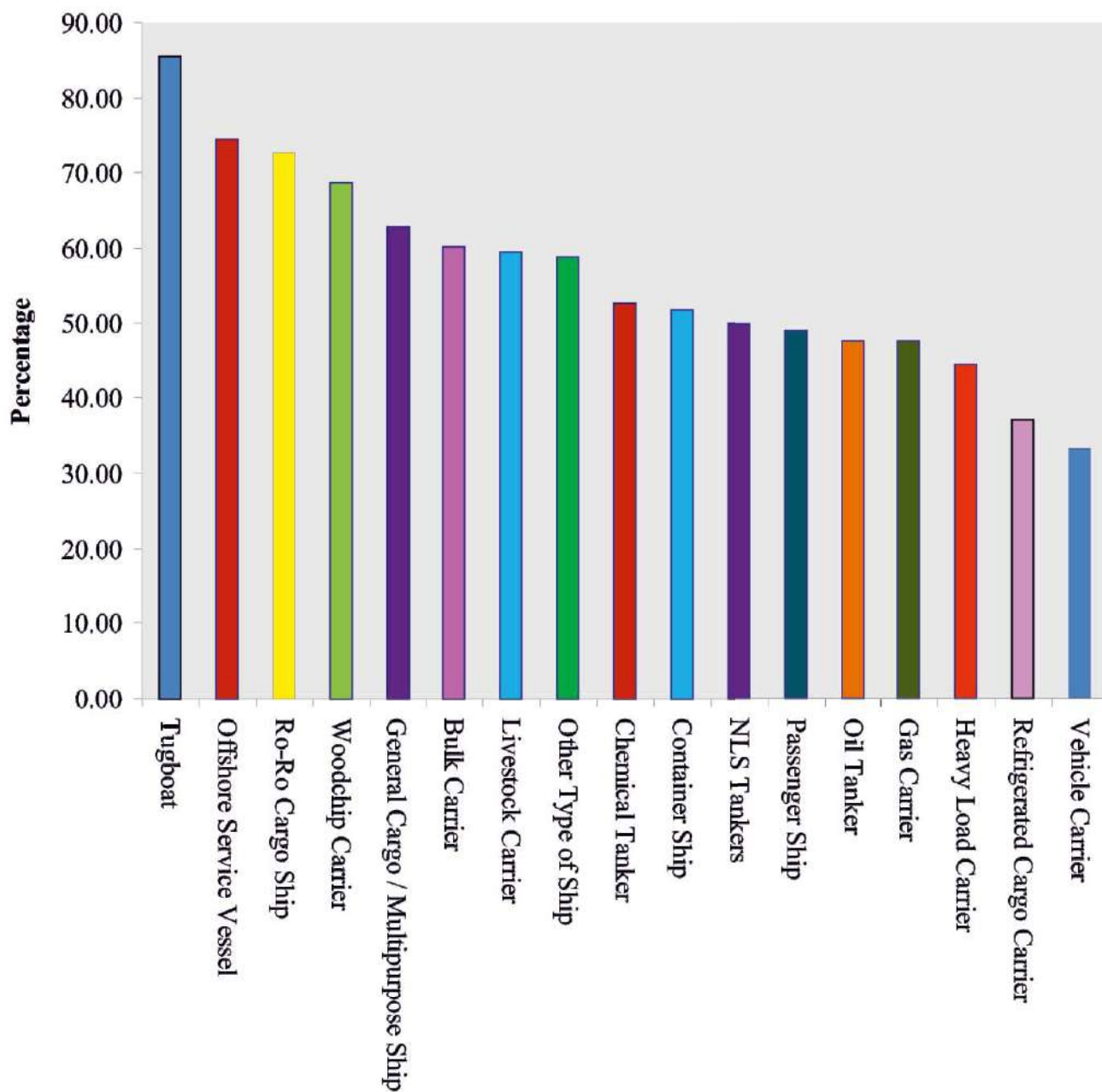
Fig. 2.



THIS GRAPH DEPICTS 20 INSPECTIONS AND ABOVE/ SHIP TYPE

*Percentage of Ship Type with Deficiencies*

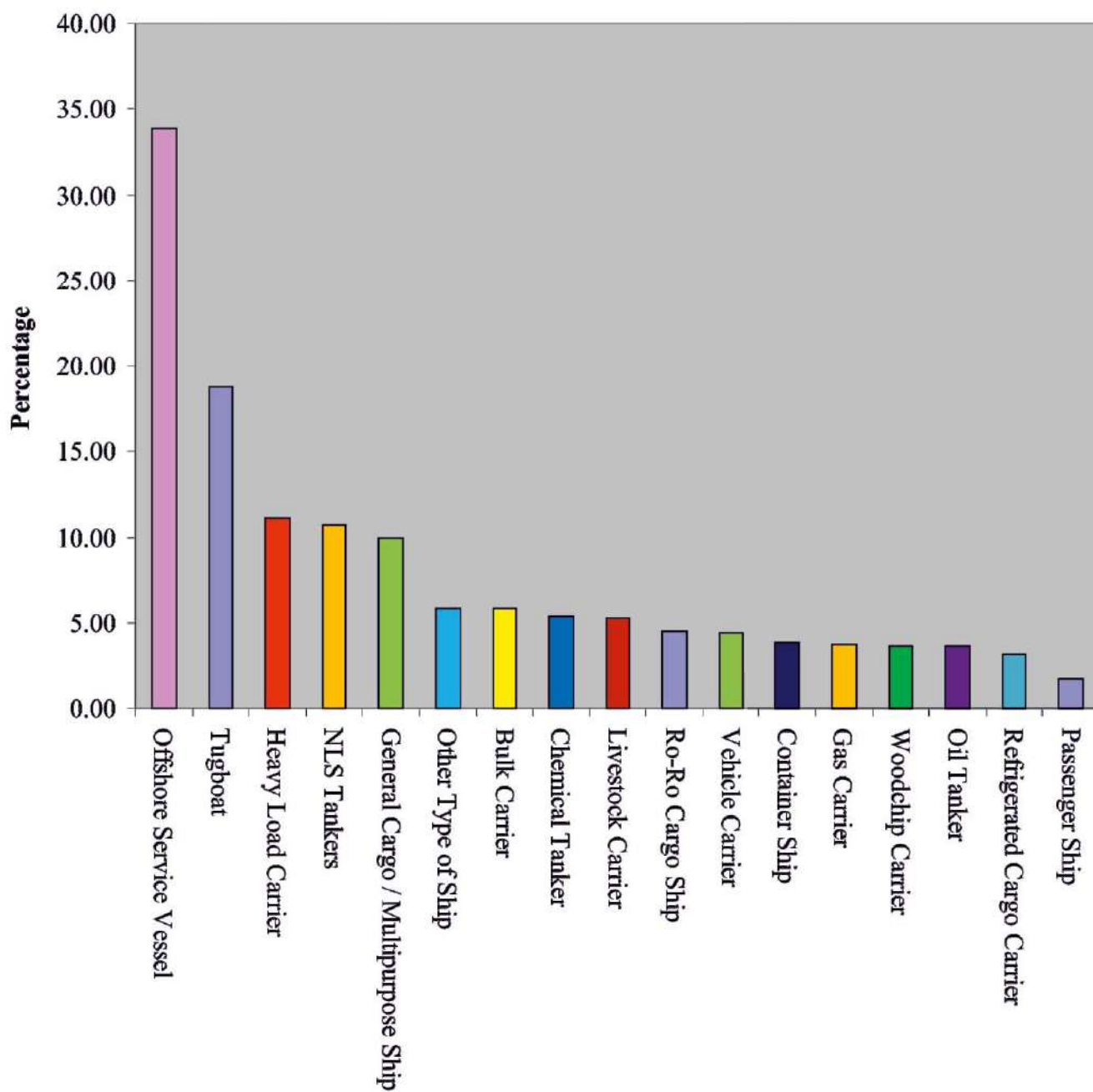
Fig. 3



THIS GRAPH DEPICTS 20 INSPECTIONS AND ABOVE/ SHIP TYPE

### Percentage of Detention per Ship Type

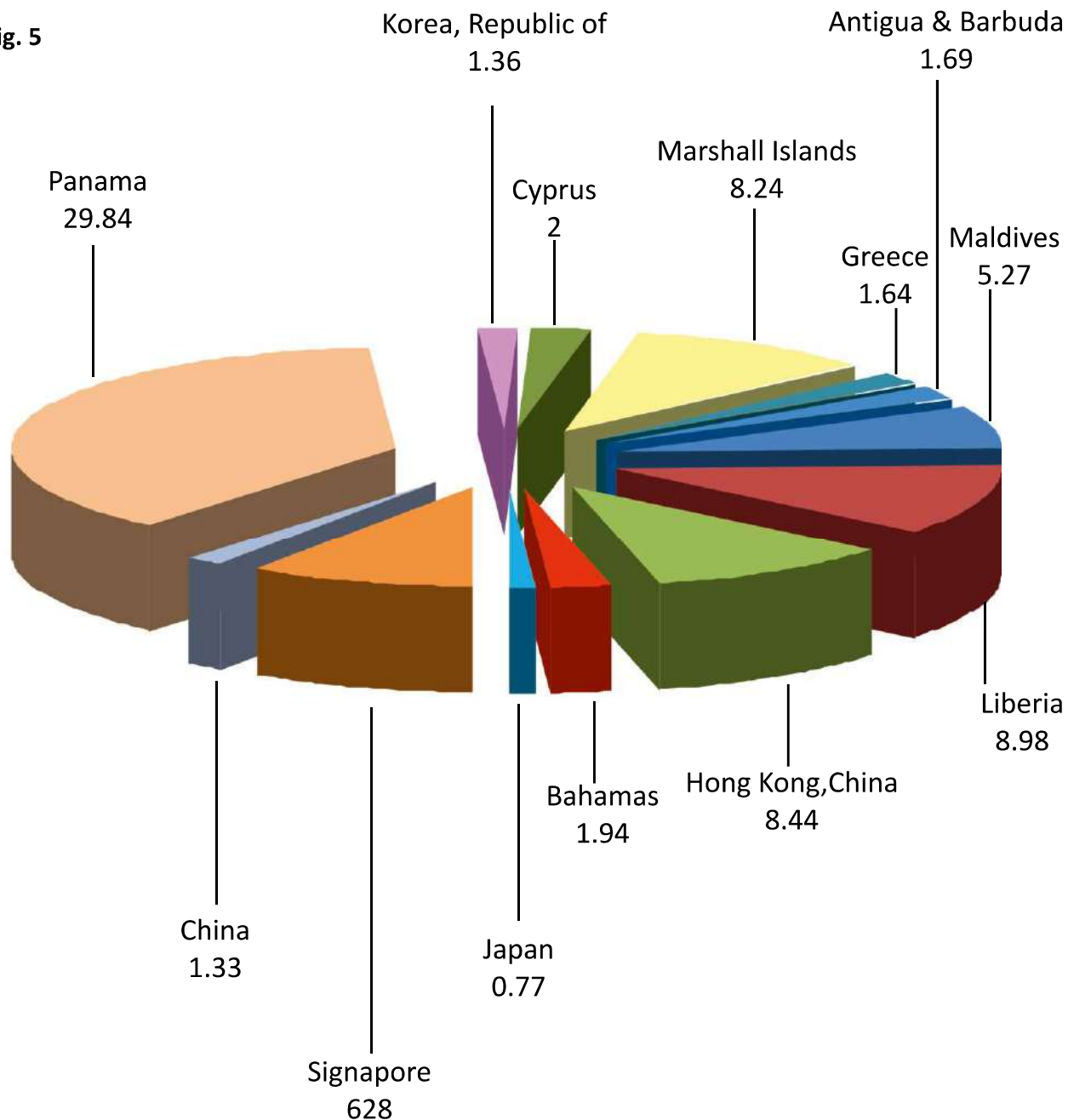
Fig. 4



THIS GRAPH DEPICTS 20 INSPECTIONS AND ABOVE/ SHIP TYPE

*Percentage of Deficiency Per Flag*

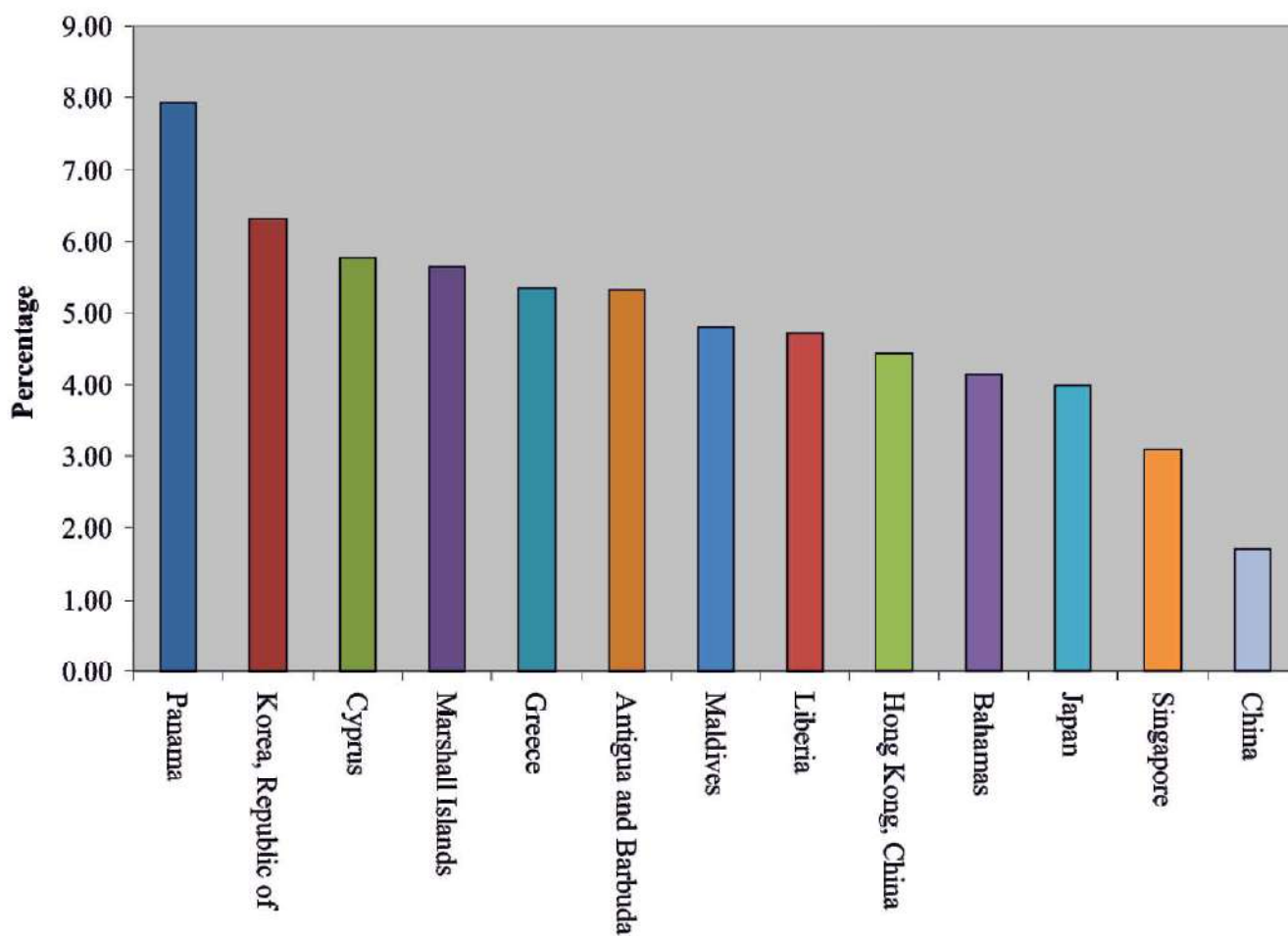
Fig. 5



THIS GRAPH DEPICTS 75 INSPECTIONS AND ABOVE / FLAG

*Percentage of Detentions per Flag*

Fig. 6

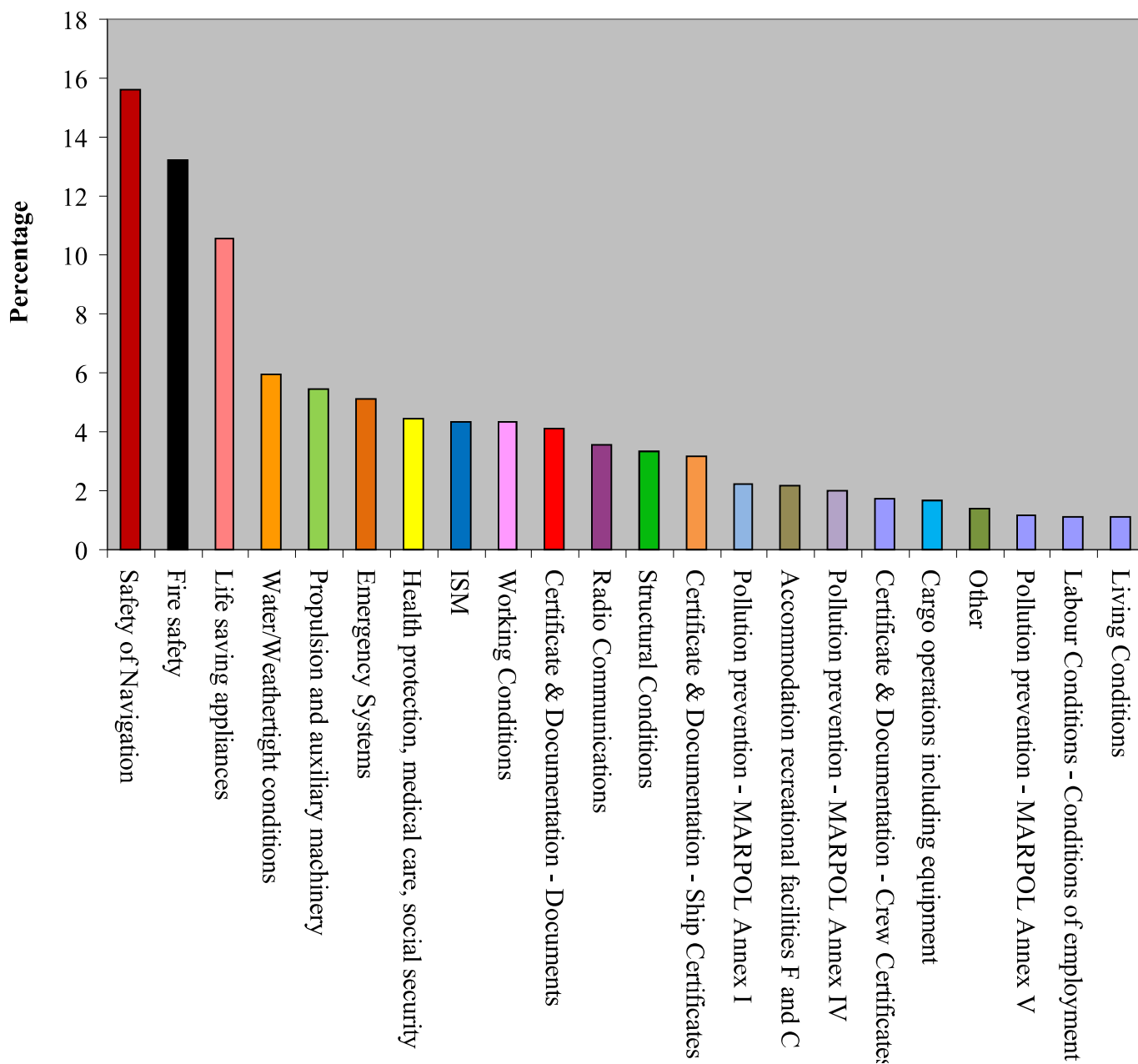


THIS GRAPH DEPICTS 75 INSPECTIONS AND ABOVE/FLAG

## Deficiency Percentage by Categories

Deficiency Percentage By Categories

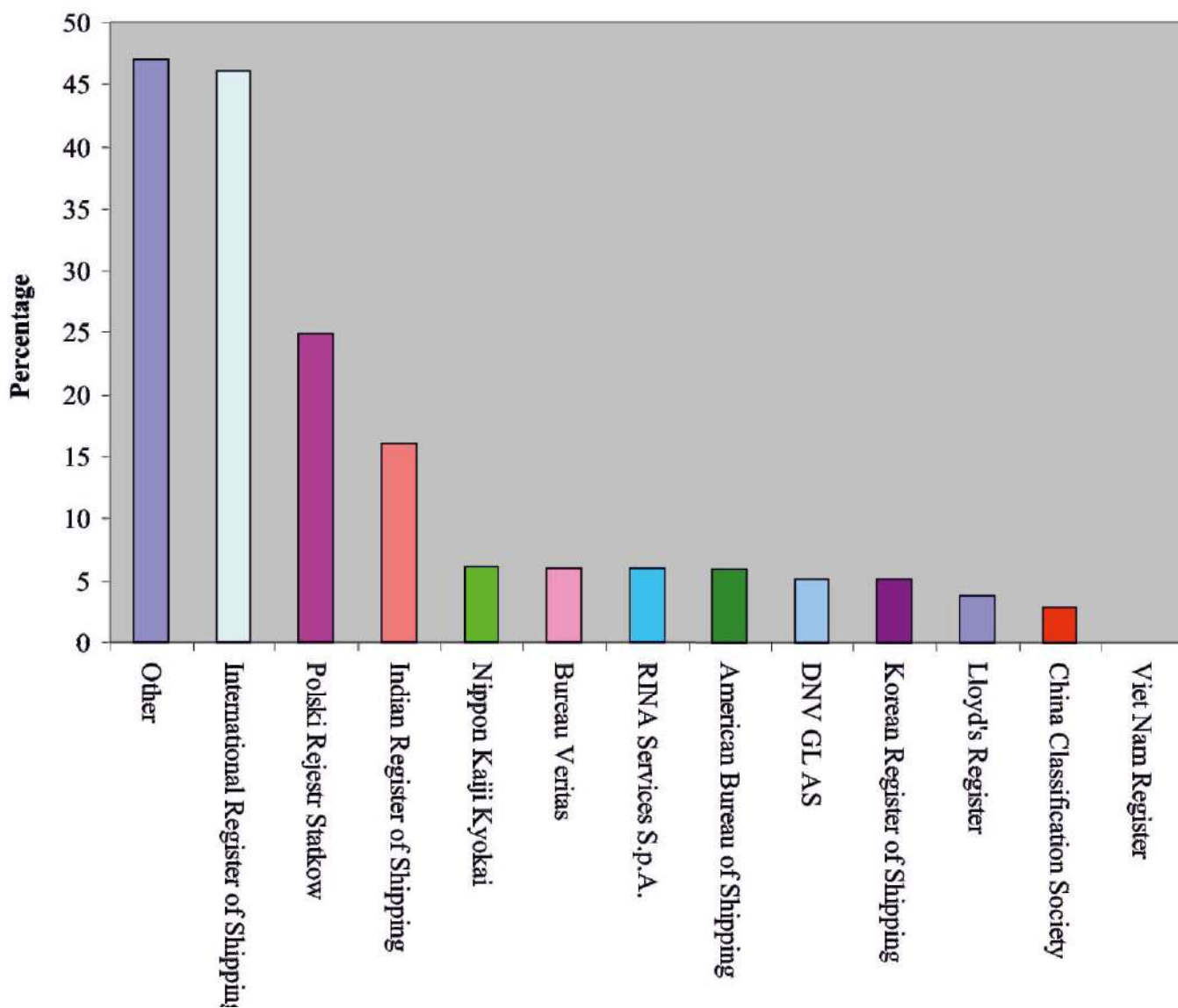
Fig. 7



THIS GRAPH DEPICTS DEFICIENCIES PERCENTAGE 1.5 AND ABOVE

### Detention Percentage by Recognised Organisation

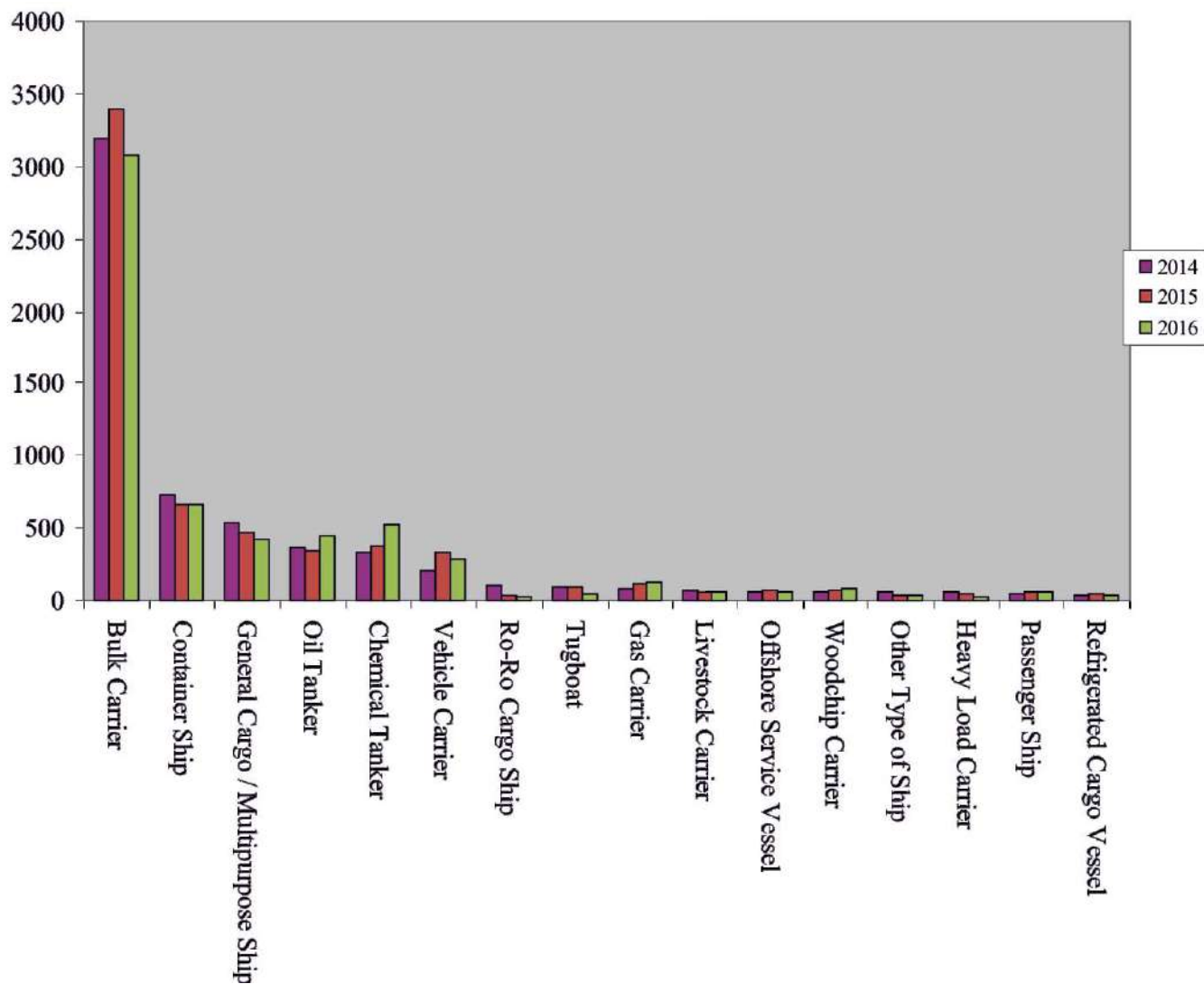
Fig. 8



THIS GRAPH DEPICTS INSPECTIONS OF 10 SHIPS  
AND ABOVE/RECOGNISED ORGANISATION

### Comparison of Inspections per Ship Type

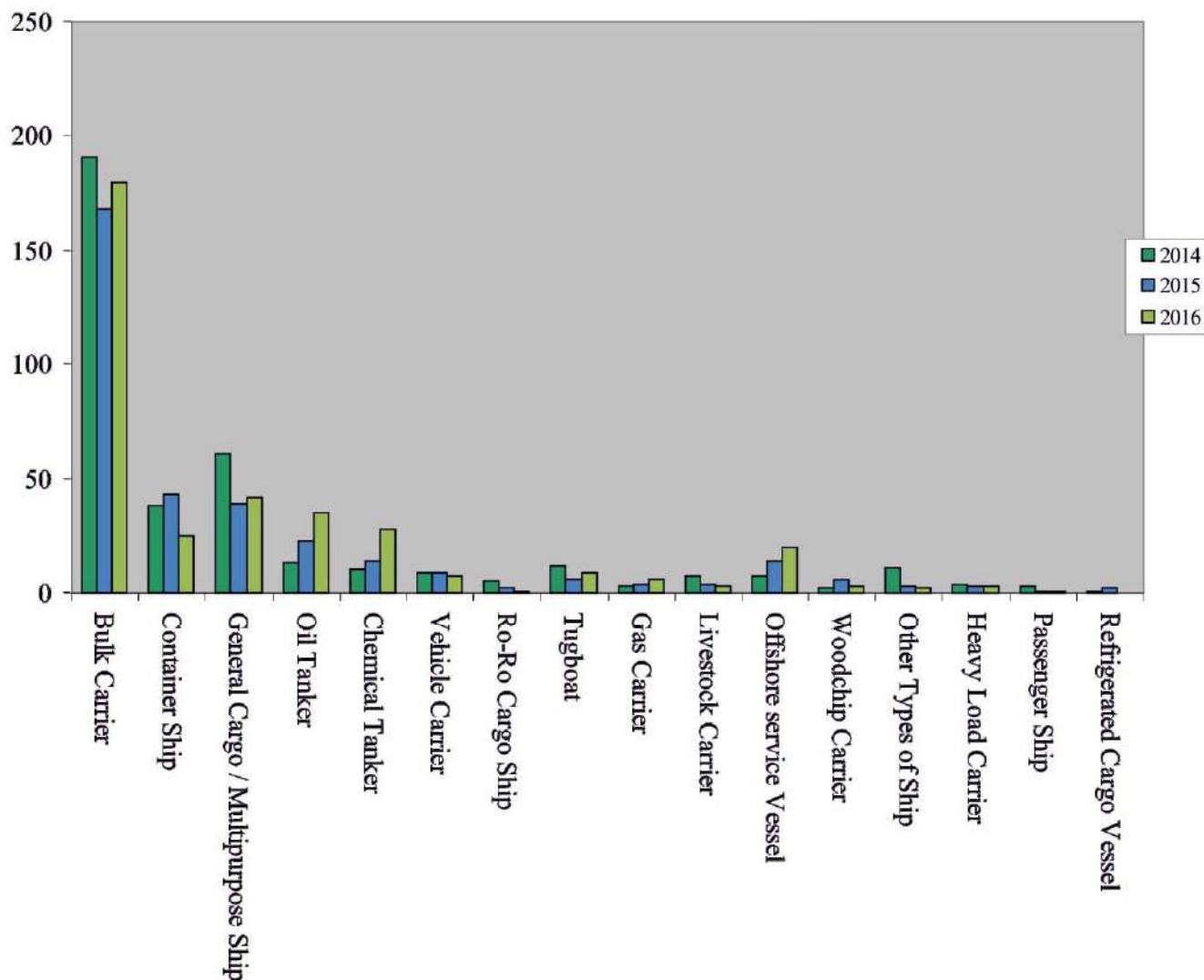
Fig. 9



THIS GRAPH DEPICTS 30 INSPECTIONS AND ABOVE EITHER FOR 2014, 2015 or 2016 / SHIP TYPE

### Comparison of Detentions per Ship Type

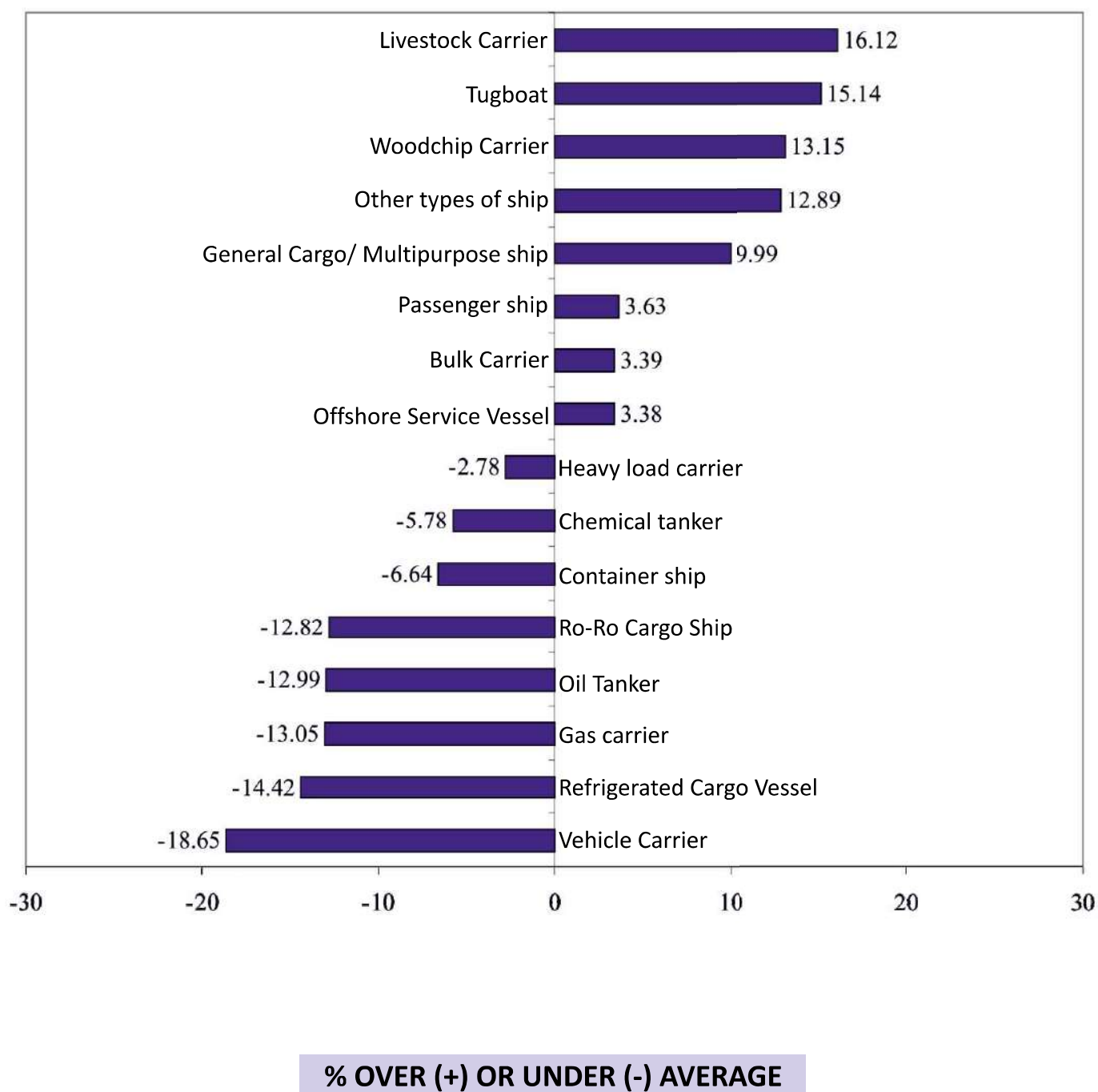
Fig. 10



THIS GRAPH DEPICTS 30 INSPECTIONS  
AND ABOVE EITHER FOR 2014, 2015 or 2016 / SHIP TYPE

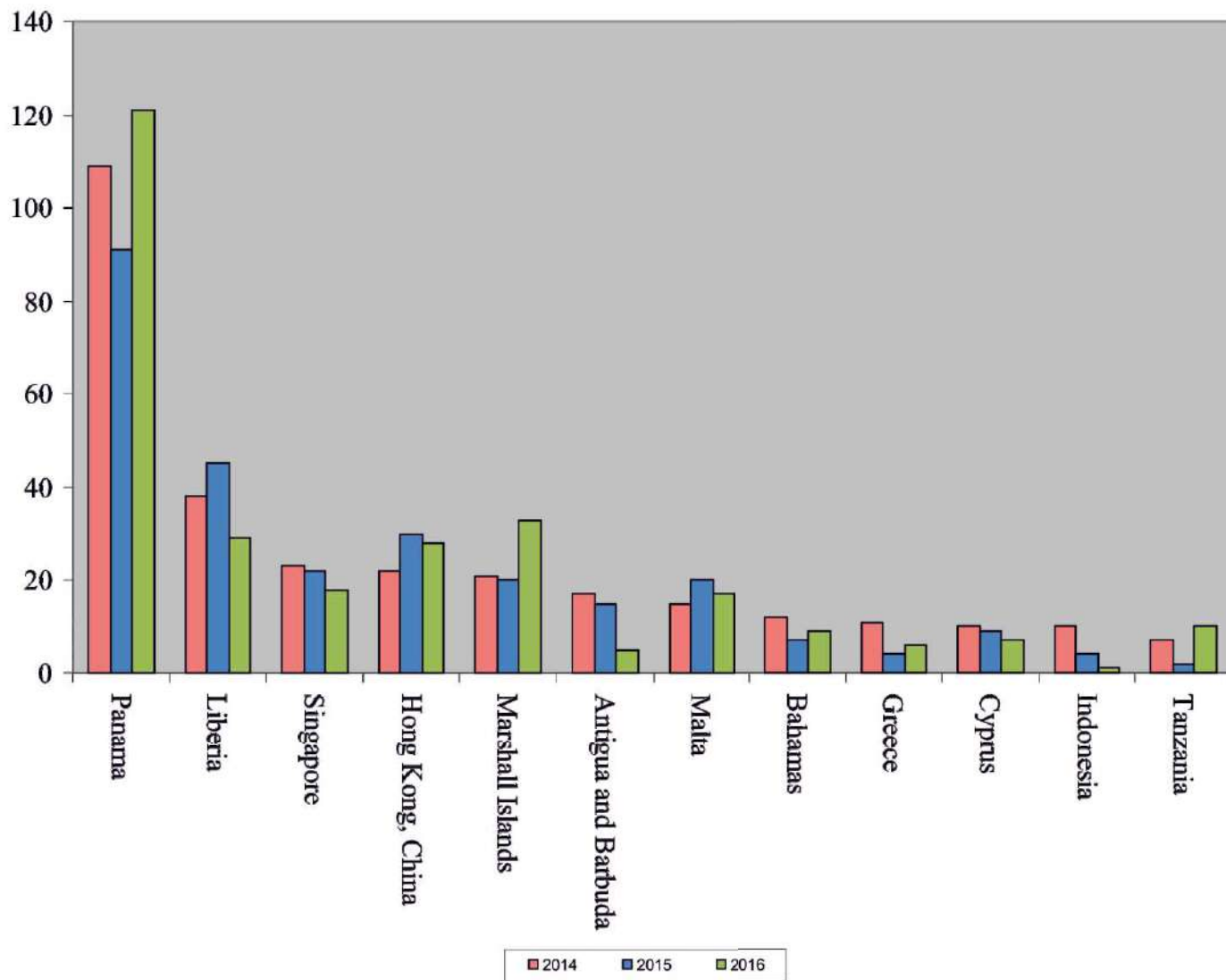
*Summary of 3-year Inspections with Deficiencies per Ship Type*

Fig. 11



### Comparison of Detentions per Flag

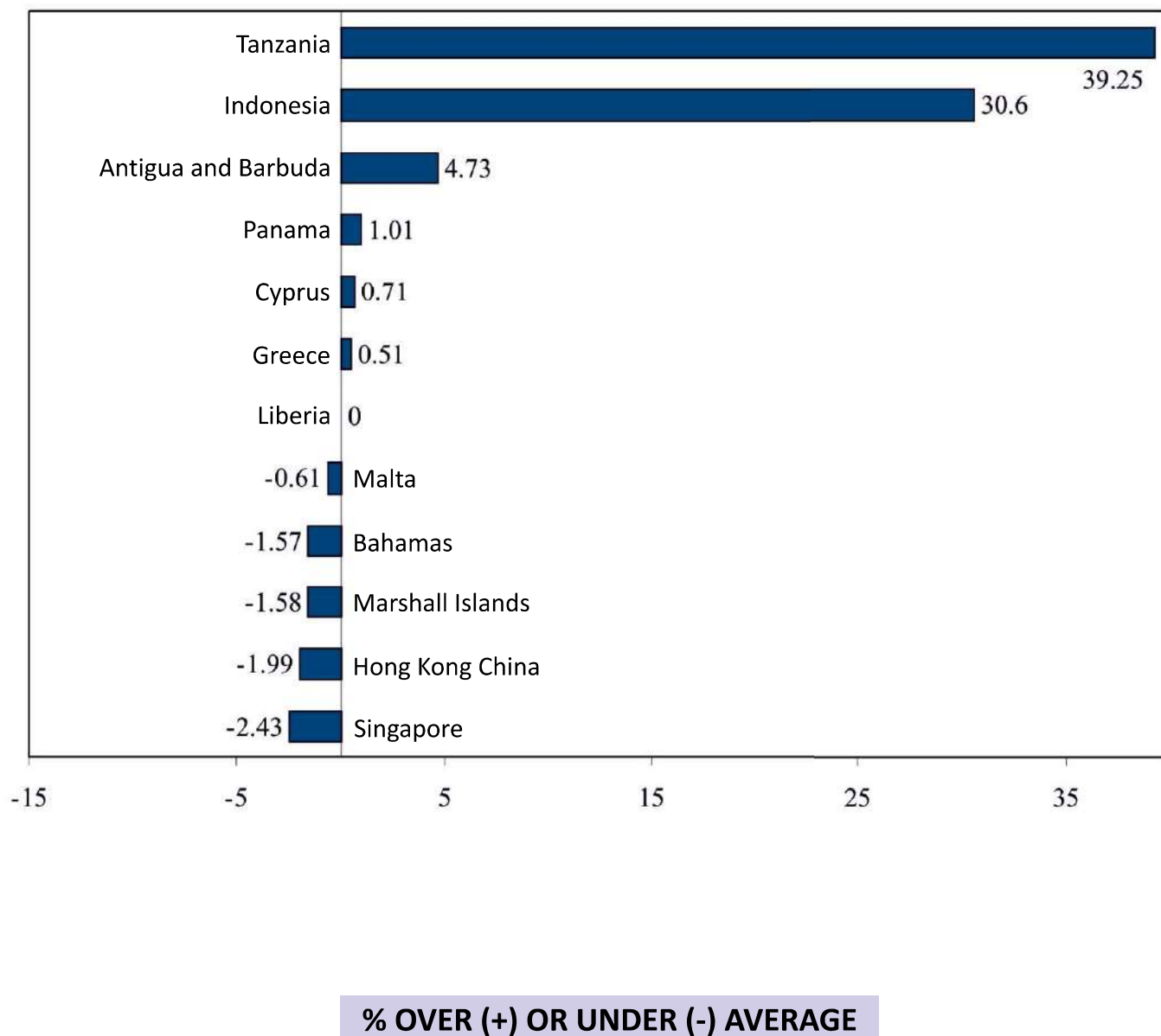
Fig. 12



THIS GRAPH DEPICTS DETENTIONS OF 10 AND ABOVE EITHER FOR 2014, 2015 or 2016/ FLAG

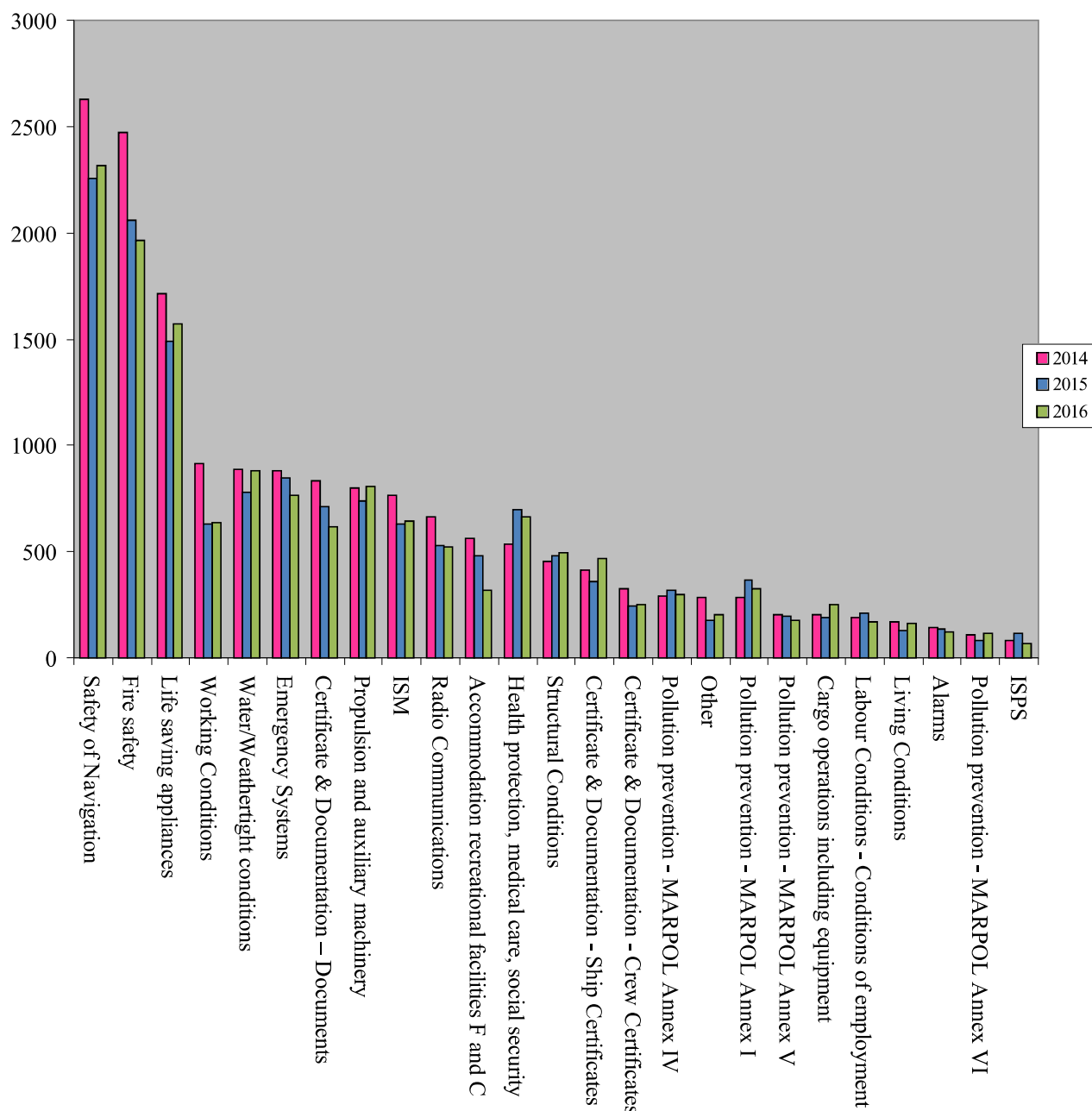
*Summary of 3 Year Detention Percentage Per Flag*

Fig. 13



## Comparison of Deficiencies by Categories

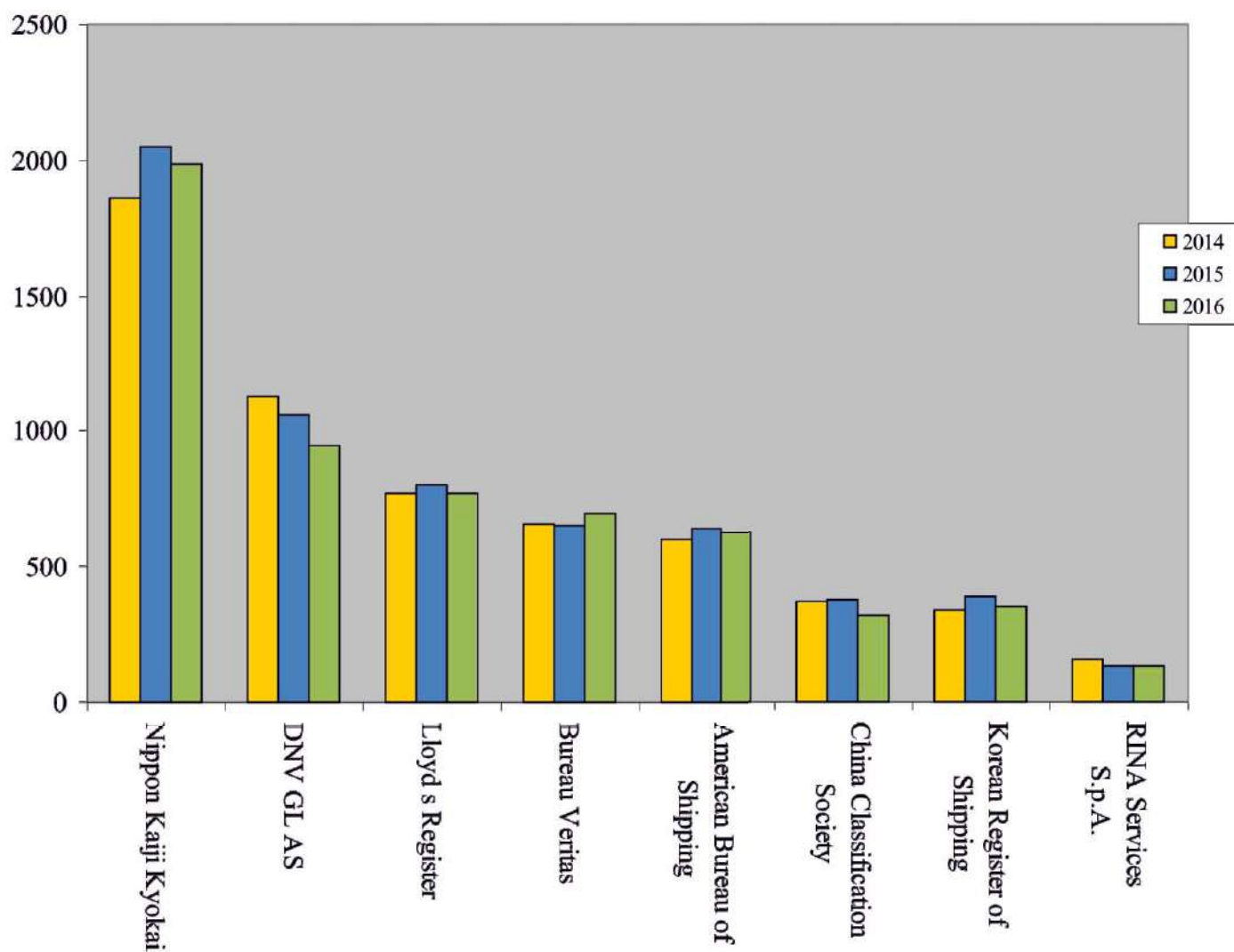
Fig. 14



THIS GRAPH DEPICTS DEFICIENCIES OF 100 AND ABOVE EITHER FOR 2014, 2015 or 2016

### Comparison of Inspections per Recognised Organisation

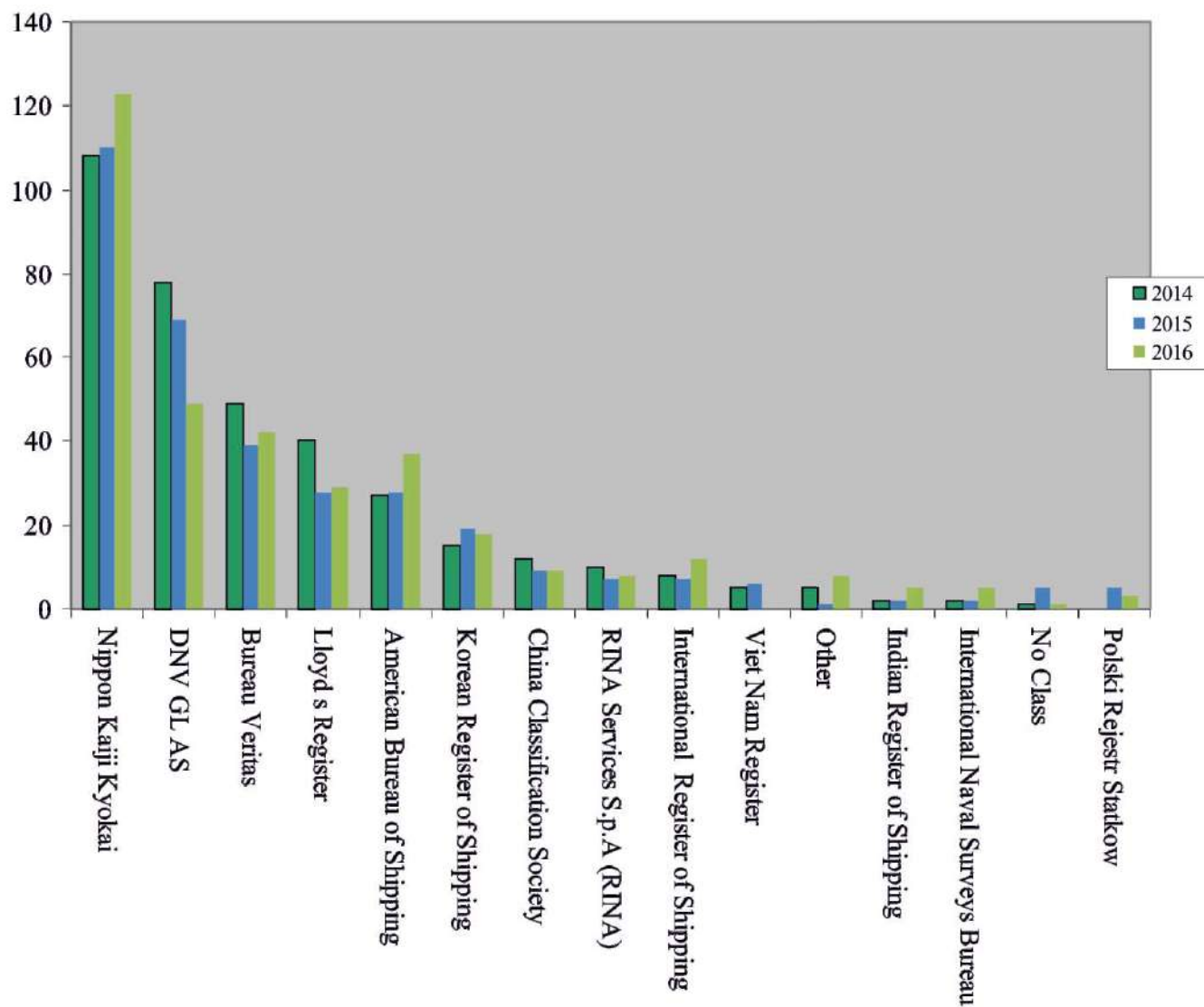
Fig. 15



THIS GRAPH DEPICTS INSPECTIONS OF 40 SHIPS  
AND ABOVE EITHER FOR 2014, 2015 or 2016

### Comparison of Detentions per Recognised Organisation

Fig. 16



THIS GRAPH DEPICTS DETENTIONS OF 5 AND ABOVE EITHER FOR 2014, 2015 or 2016

***List of Underperforming Ships for the year 2016***

	IMO No.	Ship Name	Date of Inspections	Flag	RO	Company Number	Detainable Deficiencies	Inspecting Authority
1	7614707	GYP SUMCO	2014-10-19	Tanzania	ITMB (INTERTEK MARITIME BUREAU	0000001	01214 - Endorsement by Flag State 01315 - Oil record book 07113 - Fire pumps and its pipes 14104 - Oil filtering equipment 01199 - Other (certificates) 01307 - Tables of working hours 10109 - Lights, shapes, sound-signals 01201 - Certificates for master and officers 14199 - Other (MARPOL Annex I)	IRAN
	7614707	GYP SUMCO	2016-04-10	Tanzania	Inspeccion Classificaci on Maritima (INCLAMAR)	9991001	01106 - Document of Compliance(DoC/ISM) 01199 - Other (certificates) 01214 - Endorsement by Flag State 01214 - Endorsement by Flag State 01214 - Endorsement by Flag State 05199 - Other (radio communication) 14501 - Garbage 10116 - Nautical publications 11199 - Other (life saving) 10104 - Gyro compass 10109 - Lights, shapes, sound-signals 05110 - Facilities for reception of marine safety inform. 07114 - Remote Means of control (opening, pumps, ventilation, etc.) Machinery spaces 08199 - Other (alarms) 14104 - Oil filtering equipment 15199 - Other (ISM)	IRAN
	7614707	GYP SUMCO	2016-09-17	Tanzania	Intertek	5621961	01215 - Application for Endorsement by Flag State 01215 - Application for Endorsement by Flag State 01215 - Application for Endorsement by Flag State 10116 - Nautical publications 01139 - Maritime Labour Certificate 11118 - Lifejackets incl.provision and disposition 10117 - Echo sounder 07106 - Fire detection and alarm system 07110 - Firefighting equipment and appliances 13199 - Other (machinery) 06101 - Cargo Securing Manual	IRAN

*List of Underperforming Ships for the year 2016*

2	7903299	NAJDIAH	2015-09-13	Panama	Polski Rejestr Statkow (PRS)	0000001	01199 - Other (certificates) 01214 - Endorsement by Flag State 01209 - Manning specified by the minimum safe manning doc 01214 - Endorsement by Flag State 03103 - Railing, gangway, walkway and means for safe passage 01314 - Shipboard oil pollution emergency plan (SOPEP) 08101 - General alarm 13101 - Propulsion main engine 07116 - Ventilation 06107 - Cargo operation 07110 - Firefighting equipment and appliances 07106 - Fire detection and alarm system 06107 - Cargo operation 02117 - Decks - corrosion 15109 - Maintenance of the ship and equipment	IRAN
	7903299	NAJDIAH	2016-02-06	Panama	Polski Rejestr Statkow (PRS)	1276258	01214 - Endorsement by Flag State 10124 - Life-saving signals 07114 - Remote Means of control (opening, pumps, ventilation, etc.) Machinery spaces 09232 - Cleanliness of engine room 09232 - Cleanliness of engine room 10110 - Signaling lamp	IRAN
	7903299	NAJDIAH	2016-08-22	Panama	Polski Rejestr Statkow (PRS)	1276258	01315 - Oil record book	IRAN
3	7911818	DOLPHIN III	2015-09-03	Saint Kitts and Nevis	American Bureau of Shipping (ABS)	5480887	01199 - Other (certificates) 07199 - Other (fire safety) 09103 - Ventilation (Accommodation) 13102 - Auxiliary engine 14102 - Retention of oil on board 07199 - Other (fire safety) 07114 - Remote Means of control (opening, pumps, ventilation, etc.) Machinery spaces 15109 - Maintenance of the ship and equipment	IRAN

*List of Underperforming Ships for the year 2016*

3	7911818	DOLPHIN III	2016-03-05	Saint Kitts and Nevis	American Bureau of Shipping (ABS)	5480887	01117 - International Oil Pollution Prevention (IOPP) 01305 - Log-books/compulsory entries	IRAN
	7911818	DOLPHIN III	2016-12-12	Saint Kitts and Nevis	International Register of Shipping (IS)	9991001	01139 - Maritime Labour Certificate 05107 - Maintenance/duplication of equipment 05113 - SART/AIS-SART 01314 - Shipboard oil pollution emergency plan (SOPEP) 10103 - Radar 05113 - SART/AIS-SART 11116 - Distress flares	IRAN
4	8013168	DOLPHIN III GOLDEN VIRGINIA	2015-06-09	Panama	Global Marine Bureau Inc. (GMB)	9991001	01199 - Other (certificates) 01320 - Garbage record book 01139 - Maritime Labour Certificate 01209 - Manning specified by the minimum safe manning doc 01201 - Certificates for master and officers 11108 - Inflatable liferafts 01314 - Shipboard oil pollution emergency plan (SOPEP) 08107 - Machinery controls alarm 14102 - Retention of oil on board 11118 - Lifejackets incl.provision and disposition 07110 - Firefighting equipment and appliances 07113 - Fire pumps and its pipes 10111 - Charts 07115 - Fire-dampers 11101 - Lifeboats 10116 - Nautical publications 07106 - Fire detection and alarm system 11128 - Line-throwing appliance 11116 - Distress flares 14503 - Garbage management plan 01199 - Other (certificates) 01133 - Civil Liability for Oil Pollution Damage certificate 01133 - Civil Liability for Oil Pollution Damage certificate 15109 - Maintenance of the ship and equipment	IRAN
	8013168	GOLDEN VIRGINIA	2015-11-10	Panama	Global Marine Bureau Inc. (GMB)	0000001	01214 - Endorsement by Flag State 07110 - Fire fighting equipment and appliances 13102 - Auxiliary engine 07110 - Fire fighting equipment and appliances 01199 - Other (certificates) 15109 - Maintenance of the ship and equipment	IRAN

***List of Underperforming Ships for the year 2016***

	8013168	GOLDEN VIRGINIA	2016-10-16	Panama	INTERTEK MARITIME BUREAU	5700690	04103 - Emergency, lighting, batteries and switches 13102 - Auxiliary engine 13102 - Auxiliary engine 13103 - Gauges,thermometers, etc 10103 - Radar 10103 - Radar 11128 - Line-throwing appliance 11122 - Radio life-saving appliances 07110 - Fire fighting equipment and appliances 11119 - Immersion suits 11104 - Rescue boats 10104 - Gyro compass 10105 - Magnetic compass 01214 - Endorsement by Flag State 11117 - Lifebuoys incl. provision and disposition 10116 - Nautical publications 10116 - Nautical publications 01102 - Cargo Ship Safety Construction (including exempt.) 13108 - Operation of machinery 15109 - Maintenance of the ship and equipment	IRAN
5	8912900	RED ROVER	2014-09-08	Indonesia	Nippon Kaiji Kyokai (NK)	0313623	15199 - Other (ISM)	Australia
	8912900	RED ROVER	2014-12-04	Indonesia	Nippon Kaiji Kyokai (NK)	0313623	15106 - Shipboard operations	Australia
	8912900	RED ROVER	2015-01-28	Indonesia	Nippon Kaiji Kyokai (NK)	0313623	15199 - Other (ISM)	Australia
6	9313620	NOAH SATU	2014-01-06	Indonesia	Germanischer Lloyd (GL)	5661158	18314 - Provisions quantity	Australia
	9313620	NOAH SATU	2014-07-10	Indonesia	DNV GL AS	5661158	15106 - Shipboard operations	Australia
	9313620	NOAH SATU	2015-09-14	Indonesia	DNV GL AS	0650367	15199 - Other (ISM)	Australia
	9313620	NOAH SATU	2016-01-26	Indonesia	Germanischer Lloyd (GL)	5661158	15199 - Other (ISM)	Australia
7	9314923	ANL KARDINIA	2014-03-18	Hong Kong, China	DNV GL AS	0104949	15106 - Shipboard operations	Australia
	9314923	ANL KARDINIA	2014-09-18	Hong Kong, China	DNV GL AS	0104949	14102 - Retention of oil on board	Australia
	9314923	ANL KARDINIA	2015-06-22	Hong Kong, China	DNV GL AS	0104949	15199 - Other (ISM)	Australia

***THE REPORT OF CIC ON CARGO SECURING ARRANGEMENTS***

<b>Name of reporting Authority</b>	<b>AUSTRALIA</b>
<b>Total number of inspection</b>	<b>553</b>
<b>Total number of deficiencies</b>	<b>18</b>
<b>Total number of detention</b>	<b>1</b>

<b>Name of reporting Authority</b>	<b>BANGLADESH</b>
<b>Total number of inspection</b>	<b>22</b>
<b>Total number of deficiencies</b>	<b>5</b>
<b>Total number of detention</b>	<b>1</b>

<b>Name of reporting Authority</b>	<b>INDIA</b>
<b>Total number of inspection</b>	<b>132</b>
<b>Total number of deficiencies</b>	<b>2</b>
<b>Total number of detention</b>	<b>0</b>

<b>Name of reporting Authority</b>	<b>FRANCE</b>
<b>Total number of inspection</b>	<b>12</b>
<b>Total number of deficiencies</b>	<b>0</b>
<b>Total number of detention</b>	<b>0</b>

<b>Name of reporting Authority</b>	<b>IRAN</b>
<b>Total number of inspection</b>	<b>81</b>
<b>Total number of deficiencies</b>	<b>13</b>
<b>Total number of detention</b>	<b>1</b>

<b>Name of reporting Authority</b>	<b>OMAN</b>
<b>Total number of inspection</b>	<b>11</b>
<b>Total number of deficiencies</b>	<b>0</b>
<b>Total number of detention</b>	<b>0</b>

<b>Name of reporting Authority</b>	<b>SOUTH AFRICA</b>
<b>Total number of inspection</b>	<b>51</b>
<b>Total number of deficiencies</b>	<b>1</b>
<b>Total number of detention</b>	<b>0</b>

***All Reporting Authorities***

<b>Total number of inspection</b>	<b>862</b>
<b>Total number of deficiencies</b>	<b>39</b>
<b>Total number of detention</b>	<b>3</b>

## *Republic of Mauritius*



### **MINISTRY OF OCEAN ECONOMY, MARINE RESOURCES, FISHERIES AND SHIPPING**

#### **The Shipping Division**

The Shipping Division is the specialised arm of the Ministry of Ocean Economy, Marine Resources, Fisheries and Shipping responsible for all Maritime Safety, Maritime Security, and Prevention of Pollution of the Marine Environment from ships and Shipping matters.

It acts as the Maritime Administration responsible for ensuring that all vessels registered under the Mauritian Flag and all foreign vessels plying in the Mauritian territorial waters comply with all the related international Conventions and national laws. The Maritime Administration is headed by the Director of Shipping.

The Vision and Mission of the Shipping Division are as follows:

#### **Vision**

To foster a safe, secure and environmentally sound maritime transportation system based on internationally agreed standards.

#### **Mission**

To be a reliable and reputable ship registry having at heart the safety of life and property, enhancement of maritime security and preservation of the marine environment.

#### **ISO Certification**

The Shipping Division has been ISO certified since. It has in place a quality standards in line with requirements of regulation I/8 of the International Convention for Standards of Training, Certification and Watch keeping for seafarers, 1978 (STCW 78) as amended and Mauritius is on the STCW IMO white list.

#### **Departments of the Shipping Division**

##### **Maritime Safety**

Maritime Safety requires the application of international Conventions on maritime safety, navigation and protection of the environment to vessels flying the Mauritian flag and to other vessels in the territorial waters of Mauritius.

Marine Engineering and Nautical Surveyors conduct surveys and inspections of ships on a regular-basis to monitor their compliance with safety and environment protection standards. The Surveyors of the Shipping Division deal with Flag State Control, Port State Control, the survey of vessels, casualty investigation and other related matters.

Mauritius has also implemented new procedures to give full and complete effect to the Manila 2010 amendments International Convention for Standards of Training, Certification and Watch keeping for seafarers, 1978 (STCW 78) as amended. We also ensure that existing qualifications standards are maintained as per requirements of the aforesaid Convention.

### **Crew and Legal matters**

This department is responsible for the safe manning of ships, condition of work of seafarers, supervision of the engagement and discharge of seafarers, issue of outward port clearances, hearing and settling disputes relating to wages of discharged seafarer and looks into the general welfare of seafarers. It also deals with ship registration matters and maintains a register of seafarers and their certification.

### **Shipping Development**

This department formulates strategies related to the promotion of the ship registry and the coordination of seafarers training along with evaluating shipping projects.

It also sets policies on commercial international conventions relating to maritime matters, establishes shipping incentives and dues and promotes the development of marine ancillary industries.

This Ministry has embarked on a sensitisation campaign with the view to create awareness among the young generation of the career prospects/opportunities available at sea and encourage youngsters to embrace a maritime career. This department is in charge of supervising the campaign which targets secondary schools students.



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