



The world merchant fleet in 2015

Statistics from Equasis

Equasis is supported by the following contributing members:



Table of content

1.	Themes and Tables.....	3
2.	The Merchant Fleet Population	5
2.1.	Whole Fleet.....	6
2.2.	Ships by age	7
2.3.	Ships by flag	12
2.4.	Ship sightings by geographical area	16
3.	Classification Societies	18
3.1.	Class status	20
3.2.	Class status and age	24
3.3.	Class status and flag	40
3.4.	Safety performance.....	44
4.	P&I.....	46
4.1.	P&I status	48
4.2.	IGP&I and age.....	52
4.3.	Non IGP&I and age	56
4.4.	P&I and flag	60
4.5.	Safety performance.....	64
5.	Port State Control	66
5.1.	Port State Control Overview	68
5.2.	Ships Inspected Between 2013 and 2015 – By Age	73
5.3.	Ships Inspected Between 2013 and 2015 – By P&I.....	77
5.4.	Ships Inspected Between 2013 and 2015 – By Flag.....	81
5.5.	PSC Records of Recognised Organisations	85
5.6.	Statutory Certificates	89
6.	Trade Associations and Industry Vetting Programmes	90
6.1.	Scheme status.....	92
6.2.	Safety performance.....	93
6.3.	Company performance	95
	Annexes	97
Annex I.	Ship type aggregations	97
Annex II.	Targeted Flag States 2015	98
Annex III.	Default PSC Ship types	99
Annex IV.	List of Statutory Certificates, by conventions	100
Annex V.	Ships in the scope of Trade Association and vetting programs.....	101

Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2015, derived from data contained in the Equasis database. It examines the structure and characteristics of the fleet and its performance. The statistics are grouped into themes which could be of interest to the industry and regulators.

The themes are as follows:

1. The Merchant Fleet Population
2. Classification Societies
3. P&I
4. Port State Control
5. Vetting Programmes and Trade Associations

OVERVIEW

Equasis is populated with data from most of the world's merchant ships. Basic ship particulars are derived from the commercial database of IHS Maritime & Trade.

From a commercial and regulatory point of view, size and type of ship are two key criteria and therefore throughout this report the statistical analysis is based on these two elements. For the "port State control" theme, ships will be divided into ship type categories derived from PSC databases.

SIZE

Ships are grouped by size into four categories:

1. Small ships 100 GT to 499 GT
2. Medium ships 500 GT to 24.999 GT
3. Large ships 25.000 GT to 59.999 GT
4. Very Large ships ≥ 60.000 GT

The small ships size category reflects the main tonnage threshold for merchant ships to comply with the SOLAS Convention. This category also includes many ships which do not trade internationally and therefore are

not covered by the International Conventions or the port State control regimes, but for which some flag States require the same standards.

A significant proportion of these ships are also too small to be covered by classification societies and by the vetting and trading organisations. They have, therefore, been excluded from most of the analyses in order to avoid distortion of the totals for ships which are generally covered by the International Legislation, port State control, classification societies and other trade organisations. To provide data for the whole merchant fleet, small ships are included in Chapters 2.1 and 2.2, and in the multiple inspection figures in Chapters 5.1 and 5.6. Small ships are also taken into consideration when evaluating the fleet size of a company and the detention rate in Chapter 6.3.

Regulatory and commercial tonnage thresholds are not common to all ship types. As a compromise, categories medium, large and very-large (i.e.: 2, 3 and 4) have been chosen so as to divide the fleet into three approximately equal parts in terms of tonnage. These three together represent the larger worldwide trading merchant ships.

SHIP TYPES

Equasis uses over 100 descriptions of ship type provided by IHS Maritime & Trade. For this report these types have been aggregated into 12 main types as follows:

- General Cargo Ships
- Specialized Cargo Ships
- Container Ships
- Ro-Ro Cargo Ships
- Bulk Carriers
- Oil and Chemical Tankers
- Gas Tankers
- Other Tankers
- Passenger Ships
- Offshore Vessels
- Service Ships
- Tugs

Annex I outlines how this aggregation has been accomplished. This Annex is regularly reviewed to include new ship types that were excluded in the previous versions of the Equasis Annual Statistics but which should now be included to better reflect the situation of the world merchant fleet.

PSC SHIP TYPES

PSC organisations use specific ship type categories that are different from the ones used by IHS Maritime & Trade. From 2011 onwards, these categories have been used in Chapter 5 (Port State Control) for ship types.

For ships that have never been inspected or when the ship type is not reported in the PSC data provided to Equasis, it is not possible to attribute a “PSC ship type” easily. In this situation, a “default PSC ship type” is used in substitution of a genuine PSC ship type.

This default PSC ship type is based on the ship type as provided by IHS Maritime & Trade. Annex III provides the aggregation used for this purpose. This Annex was established mainly through statistical analysis and direct comparisons between IHS Maritime & Trade ship types and PSC ship types. It cannot be directly compared to Annex I as the intention is not to create categories of ships but instead to attribute a PSC ship type to ships that were not inspected.

FLAG STATES

Flag States (under which ships are registered) are grouped in two categories, “targeted” and “non-targeted”. Those in the “targeted” group are the flag States which appear on at least one of the targeted lists of the Paris Memorandum of Understanding (Paris MoU) [Black List], the Tokyo MoU [Black List] and the US Coast Guard (USCG) [safety targeting]. Indian Ocean MoU (IO MoU), Viña del Mar MoU (VDM MoU), Mediterranean MoU (Med MoU) and Caribbean MoU (CMoU) also provide their inspection results to Equasis, but they do not use a target list.

The lists are published annually and reflect the safety performance of ships registered to each flag State as measured by the number of port State inspections and

detentions recorded over a three-year period.

It is possible for a flag State to be “targeted” in one regime but not in another. This can be because its safety performance varies from one regime to another, or, because few, or none, of its ships trade to ports covered by a particular PSC regime.

Further details are included in the list of the respective regimes’ port State control Annual Reports. The list of targeted flag States, based on the 2015 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guard, can be found in Annex II.

SOURCE OF INFORMATION

Equasis is fed by 50 data providers which can be divided into six categories: core ship and company data, PSC regimes, classification societies, P&I clubs, associations or vetting programs and other international organisations. Almost all of these sources are used in this document to a greater or lesser extent.

As to PSC information, it should be noted that not all inspections within the Indian Ocean MoU are reported in Equasis. Only inspections from Australia, France (La Réunion Island), India, Iran, Mauritius, Oman, South Africa, Sri Lanka were considered in these statistics. In 2015, these eight countries represented over 90% of all inspections carried out within the Indian Ocean MoU.

The Mediterranean MoU is providing data to Equasis since 2014. Only those inspections reported by Med MoU to Equasis since 2014 have been integrated into this report.

The Caribbean MoU (CMoU) joined Equasis as a data-provider in early 2016 and made available inspection records dating from 2013 onwards.

Chapter 2

2. The Merchant Fleet Population

INTRODUCTION

The tables in this chapter provide a picture of the fleet of ships in Equasis in terms of type, size, age and the flag under which the ship is registered.

RESULTS

Graph 1 shows that by number, the Equasis fleet is dominated (81%) by small and medium sized ships up to 24.999 GT. Small ships alone represent 37% by number, although around only 1% by tonnage.

Tugs (19.9%), general cargo ships (18.7%), oil and chemical tankers (14.6%) and bulk carriers (12.9%) are the most common ship types by number, representing about two thirds of the Equasis fleet. Most of these are small and medium sized ships.

Within the large and very large categories, bulk carriers (40.3%), oil and chemical tankers (24.5%) and container ships (17.2%) represent about 85% of the fleet in number in these ship size categories.

In terms of tonnage, the large and very large size categories represent 81% of the Equasis fleet (Graph 2), with oil and chemical tankers, bulk carriers, and container ships jointly dominating both categories at 84% (large) and 83.6% (very large).

Table 3 shows an almost even distribution of the Equasis fleet, by number, of ships under and over 15 years of age. However, there is a large dominance of older ships in the small and medium ship size categories. The trend is reversed in the large and very large ship size categories, where 78.4% (large) and 83.8% (very large) are less than 15 years old.

Graph 4 shows that the most modern fleets are made up of the biggest ships in tonnage. Looking back at the statistics of the previous years, it is clear that the younger ships are bigger than their

predecessors. This trend has been observed in previous years with the biggest ships being recent additions to the fleet.

Graph 13 shows that around a third (35%) of the total number of ships are associated with a targeted flag State. Graphs 15 to 20 reveal that this proportion is approximate for each size category: 36% for the medium sized ship category, 32% for the large category and the very large.

Tables 13 and 14 both show that for the targeted flag States, general cargo ships are the most common ship category in number (21.7%), but bulk carriers are the most common ship type category by tonnage (44%). This is expected considering that these two ship types are the most common with respect to the total number of ships and tonnage (19.9% and 35.1%, respectively).

In comparison, oil and chemical tankers (20.4%), bulk carriers (18.1%), and general cargo ships (17.9%), have a larger proportion of the total number of ships originating from non-targeted flag States.

Starting with this edition of the annual statistics a new section is introduced – “2.4 – Ship Sightings by Geographical Area”. Ship sightings are provided by AXSMarine, VesselTracker and MarineTraffic. At least one ship sighting was recorded for 65% of the active fleet of Equasis.

The figures presented in this section are strongly dependent on the coastal and satellite coverage of AIS data guaranteed by the abovementioned data-providers.

Table 21 suggest that the majority of maritime traffic occurs in the Mediterranean Sea (12%) and Asia (39%), with both geographical areas accounting for 51% of the total sightings reported to Equasis. In respect to ship size, small sized ships were predominately sighted in the Mediterranean Sea (39.9%) while very large ships in Asia (41.1%).

2.1. WHOLE FLEET

Table 1 - World fleet : total number of ships, by type and size

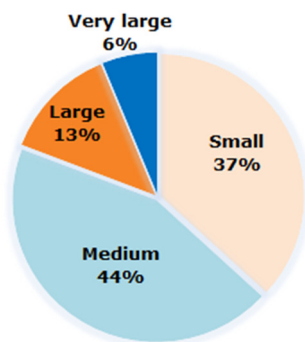
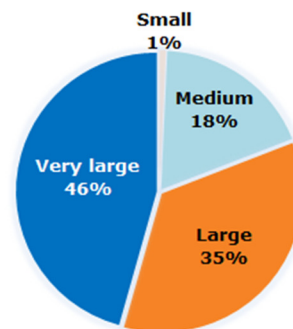
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	4,367	13.6%	11,729	30.6%	222	2.0%			16,318	18.7%
Specialized Cargo Ships	8	0.0%	211	0.6%	65	0.6%	3	0.1%	287	0.3%
Container Ships	16	0.0%	2,269	5.9%	1,605	14.2%	1,284	23.6%	5,174	5.9%
Ro-Ro Cargo Ships	30	0.1%	645	1.7%	613	5.4%	201	3.7%	1,489	1.7%
Bulk Carriers	310	1.0%	3,770	9.8%	5,596	49.5%	1,613	29.7%	11,289	12.9%
Oil and Chemical Tankers	1,854	5.8%	6,749	17.6%	2,517	22.3%	1,601	29.4%	12,721	14.6%
Gas Tankers	39	0.1%	1,096	2.9%	275	2.4%	397	7.3%	1,807	2.1%
Other Tankers	318	1.0%	538	1.4%	7	0.1%			863	1.0%
Passenger Ships	3,729	11.6%	2,577	6.7%	272	2.4%	163	3.0%	6,741	7.7%
Offshore Vessels	2,612	8.1%	5,339	13.9%	112	1.0%	169	3.1%	8,232	9.4%
Service Ships	2,466	7.7%	2,441	6.4%	25	0.2%	6	0.1%	4,938	5.7%
Tugs	16,387	51.0%	987	2.6%					17,374	19.9%
Total	32,136	100%	38,351	100%	11,309	100%	5,437	100%	87,233	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 2 - World fleet : gross tonnage (in 1000 gt), by type and size

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	1,463	17.2%	49,844	22.4%	7,226	1.7%			58,533	4.8%
Specialized Cargo Ships	3	0.0%	1,719	0.8%	2,440	0.6%	220	0.0%	4,382	0.4%
Container Ships	6	0.1%	26,571	12.0%	61,999	14.5%	128,195	23.2%	216,771	17.9%
Ro-Ro Cargo Ships	11	0.1%	6,297	2.8%	29,051	6.8%	13,269	2.4%	48,628	4.0%
Bulk Carriers	121	1.4%	55,673	25.1%	206,444	48.3%	159,219	28.8%	421,457	34.8%
Oil and Chemical Tankers	599	7.0%	40,674	18.3%	91,789	21.5%	174,786	31.6%	307,848	25.4%
Gas Tankers	15	0.2%	6,648	3.0%	12,139	2.8%	42,979	7.8%	61,781	5.1%
Other Tankers	94	1.1%	1,430	0.6%	215	0.1%			1,739	0.1%
Passenger Ships	943	11.1%	10,665	4.8%	9,678	2.3%	16,224	2.9%	37,510	3.1%
Offshore Vessels	736	8.7%	13,785	6.2%	5,142	1.2%	16,957	3.1%	36,620	3.0%
Service Ships	612	7.2%	7,747	3.5%	918	0.2%	991	0.2%	10,268	0.8%
Tugs	3,905	45.9%	980	0.4%					4,885	0.4%
Total	8,508	100%	222,033	100%	427,041	100%	552,840	100%	1,210,422	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000GT - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 1 - World fleet : total number of ships, by size**Graph 2 - World fleet : gross tonnage, by size**

2.2. SHIPS BY AGE

WORLD FLEET

Table 3 - Total number of ships, by age and size

Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	4,060	12.6%	5,174	13.5%	3,030	26.8%	1,542	28.4%	13,806	15.8%
5-14 years old	7,693	23.9%	12,826	33.4%	5,833	51.6%	3,014	55.4%	29,366	33.7%
15-24 years old	5,632	17.5%	7,092	18.5%	1,954	17.3%	772	14.2%	15,450	17.7%
+25 years old	14,751	45.9%	13,259	34.6%	492	4.4%	109	2.0%	28,611	32.8%
Total	32,136	100%	38,351	100%	11,309	100%	5,437	100%	87,233	100%

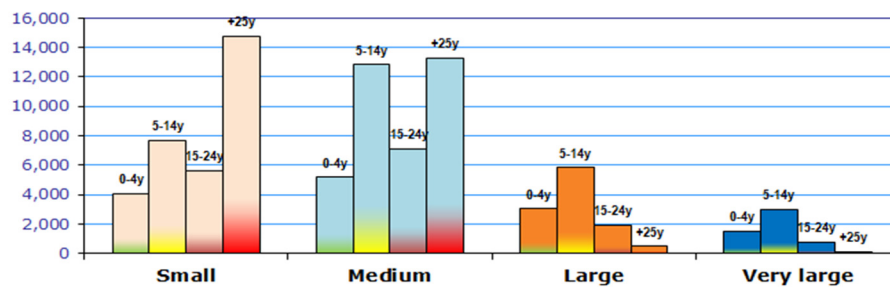
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 4 - Gross tonnage (in 1000 gt) of ships, by age and size

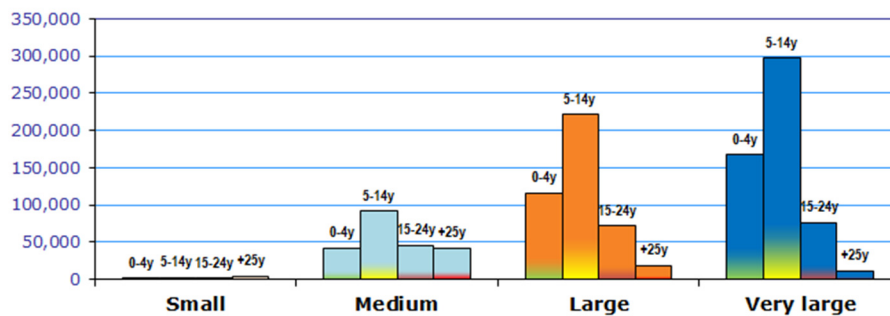
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	1,100	12.9%	41,918	18.9%	115,592	27.1%	167,077	30.2%	325,687	26.9%
5-14 years old	2,184	25.7%	91,737	41.3%	221,510	51.9%	297,167	53.8%	612,598	50.6%
15-24 years old	1,498	17.6%	46,073	20.8%	71,744	16.8%	76,884	13.9%	196,199	16.2%
+25 years old	3,725	43.8%	42,304	19.1%	18,194	4.3%	11,713	2.1%	75,936	6.3%
Total	8,507	100%	222,032	100%	427,040	100%	552,841	100%	1,210,420	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 3 - World fleet : total number of ships, by age and size



Graph 4 - World fleet : gross tonnage (in 1000 gt) by age and size



0-4 years old SHIPS

Table 5 - Total number of 0-4 years old ships, by type and size

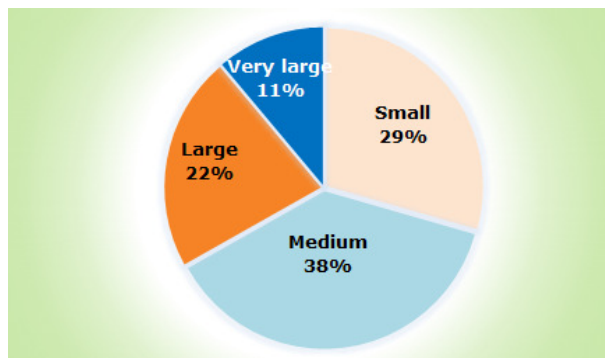
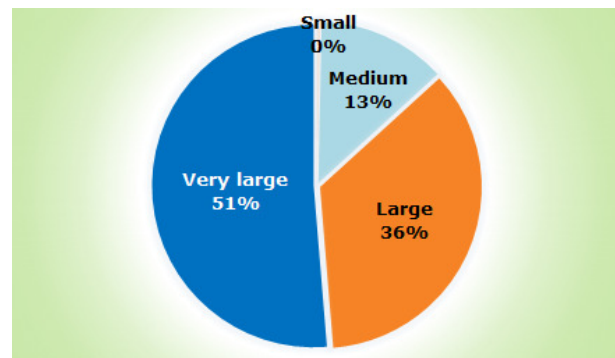
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	206	5.1%	902	17.4%	74	2.4%			1,182	8.6%
Specialized Cargo Ships			27	0.5%	14	0.5%	3	0.2%	44	0.3%
Container Ships			232	4.5%	231	7.6%	438	28.4%	901	6.5%
Ro-Ro Cargo Ships	1	0.0%	37	0.7%	79	2.6%	60	3.9%	177	1.3%
Bulk Carriers	8	0.2%	950	18.4%	2,044	67.5%	545	35.3%	3,547	25.7%
Oil and Chemical Tankers	139	3.4%	822	15.9%	440	14.5%	342	22.2%	1,743	12.6%
Gas Tankers	1	0.0%	182	3.5%	96	3.2%	83	5.4%	362	2.6%
Other Tankers	45	1.1%	124	2.4%	1	0.0%			170	1.2%
Passenger Ships	201	5.0%	199	3.8%	15	0.5%	24	1.6%	439	3.2%
Offshore Vessels	449	11.1%	1,263	24.4%	33	1.1%	46	3.0%	1,791	13.0%
Service Ships	282	6.9%	306	5.9%	3	0.1%	1	0.1%	592	4.3%
Tugs	2,728	67.2%	130	2.5%					2,858	20.7%
Total	4,060	100%	5,174	100%	3,030	100%	1,542	100%	13,806	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 6 - Gross tonnage (in 1000 gt) of 0-4 years old ships, by type and size

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	83	7.5%	6,340	15.1%	2,501	2.2%			8,924	2.7%
Specialized Cargo Ships			335	0.8%	547	0.5%	220	0.1%	1,102	0.3%
Container Ships			2,787	6.6%	9,563	8.3%	53,252	31.9%	65,602	20.1%
Ro-Ro Cargo Ships			485	1.2%	3,959	3.4%	4,170	2.5%	8,614	2.6%
Bulk Carriers	4	0.4%	18,133	43.3%	78,279	67.7%	56,325	33.7%	152,741	46.9%
Oil and Chemical Tankers	51	4.6%	5,277	12.6%	14,196	12.3%	37,126	22.2%	56,650	17.4%
Gas Tankers			1,427	3.4%	4,285	3.7%	8,968	5.4%	14,680	4.5%
Other Tankers	15	1.4%	518	1.2%	26	0.0%			559	0.2%
Passenger Ships	61	5.5%	764	1.8%	591	0.5%	3,066	1.8%	4,482	1.4%
Offshore Vessels	129	11.7%	4,529	10.8%	1,546	1.3%	3,546	2.1%	9,750	3.0%
Service Ships	73	6.6%	1,180	2.8%	99	0.1%	404	0.2%	1,756	0.5%
Tugs	684	62.2%	143	0.3%					827	0.3%
Total	1,100	100%	41,918	100%	115,592	100%	167,077	100%	325,687	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 5 - World fleet : total number of 0-4 years old ships, by size**Graph 6 - World fleet : gross tonnage of 0-4 years old ships by size**

5-14 YEARS OLD SHIPS

Table 7 - Total number of 5-14 years old ships, by type and size

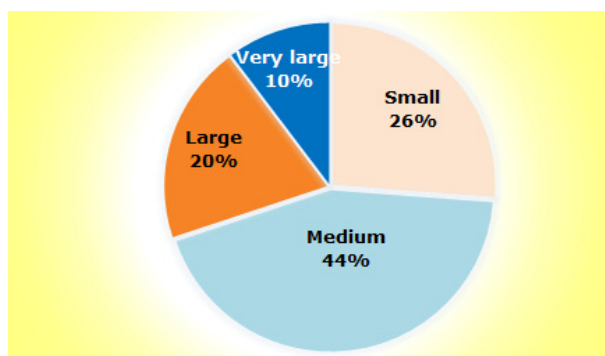
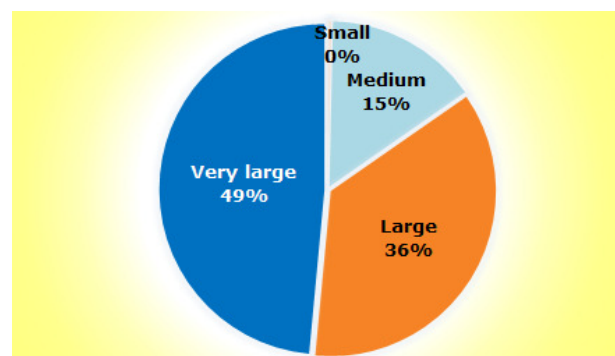
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	646	8.4%	3,344	26.1%	58	1.0%			4,048	13.8%
Specialized Cargo Ships			50	0.4%	4	0.1%			54	0.2%
Container Ships	15	0.2%	1,044	8.1%	1,021	17.5%	687	22.8%	2,767	9.4%
Ro-Ro Cargo Ships	9	0.1%	116	0.9%	337	5.8%	123	4.1%	585	2.0%
Bulk Carriers	9	0.1%	1,518	11.8%	2,516	43.1%	857	28.4%	4,900	16.7%
Oil and Chemical Tankers	210	2.7%	2,719	21.2%	1,653	28.3%	995	33.0%	5,577	19.0%
Gas Tankers	3	0.0%	354	2.8%	112	1.9%	238	7.9%	707	2.4%
Other Tankers	35	0.5%	136	1.1%	5	0.1%			176	0.6%
Passenger Ships	567	7.4%	537	4.2%	89	1.5%	82	2.7%	1,275	4.3%
Offshore Vessels	690	9.0%	2,230	17.4%	28	0.5%	32	1.1%	2,980	10.1%
Service Ships	464	6.0%	480	3.7%	10	0.2%			954	3.2%
Tugs	5,045	65.6%	298	2.3%					5,343	18.2%
Total	7,693	100%	12,826	100%	5,833	100%	3,014	100%	29,366	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 8 - Gross tonnage (in 1000 gt) of 5-14 years old ships, by type and size

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	287	13.1%	18,558	20.2%	1,987	0.9%			20,832	3.4%
Specialized Cargo Ships			589	0.6%	143	0.1%			732	0.1%
Container Ships	6	0.3%	12,575	13.7%	39,540	17.9%	63,600	21.4%	115,721	18.9%
Ro-Ro Cargo Ships	4	0.2%	1,575	1.7%	15,973	7.2%	7,870	2.6%	25,422	4.1%
Bulk Carriers	3	0.1%	22,779	24.8%	93,003	42.0%	81,271	27.3%	197,056	32.2%
Oil and Chemical Tankers	79	3.6%	21,965	23.9%	60,934	27.5%	106,612	35.9%	189,590	30.9%
Gas Tankers	1	0.0%	2,727	3.0%	4,916	2.2%	26,481	8.9%	34,125	5.6%
Other Tankers	12	0.5%	481	0.5%	161	0.1%			654	0.1%
Passenger Ships	154	7.1%	2,217	2.4%	3,151	1.4%	8,522	2.9%	14,044	2.3%
Offshore Vessels	225	10.3%	5,897	6.4%	1,315	0.6%	2,811	0.9%	10,248	1.7%
Service Ships	113	5.2%	2,041	2.2%	387	0.2%			2,541	0.4%
Tugs	1,300	59.5%	333	0.4%					1,633	0.3%
Total	2,184	100%	91,737	100%	221,510	100%	297,167	100%	612,598	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 7 - Total number of 5-14 years old ships by size**Graph 8 - Gross tonnage of 5-14 years old ships by size**

15-24 YEARS OLD SHIPS

Table 9 - Total number of 15-24 years old ships, by type and size

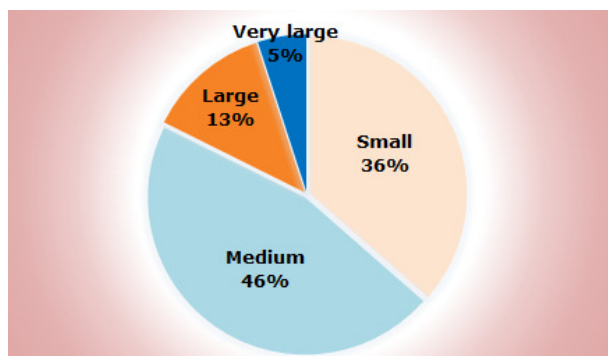
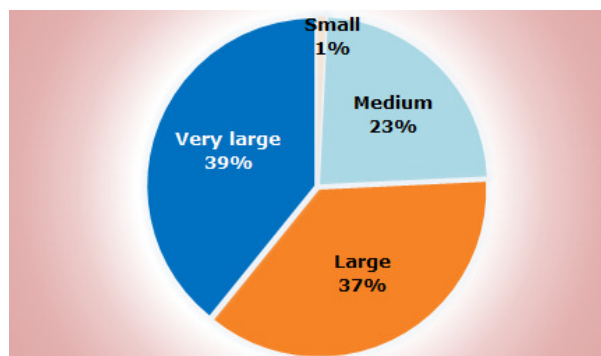
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	866	15.4%	2,315	32.6%	63	3.2%			3,244	21.0%
Specialized Cargo Ships			20	0.3%	9	0.5%			29	0.2%
Container Ships			828	11.7%	304	15.6%	159	20.6%	1,291	8.4%
Ro-Ro Cargo Ships	4	0.1%	192	2.7%	138	7.1%	18	2.3%	352	2.3%
Bulk Carriers	96	1.7%	617	8.7%	891	45.6%	199	25.8%	1,803	11.7%
Oil and Chemical Tankers	465	8.3%	1,300	18.3%	377	19.3%	258	33.4%	2,400	15.5%
Gas Tankers	5	0.1%	285	4.0%	43	2.2%	50	6.5%	383	2.5%
Other Tankers	42	0.7%	63	0.9%	1	0.1%			106	0.7%
Passenger Ships	891	15.8%	626	8.8%	99	5.1%	50	6.5%	1,666	10.8%
Offshore Vessels	308	5.5%	388	5.5%	24	1.2%	36	4.7%	756	4.9%
Service Ships	390	6.9%	366	5.2%	5	0.3%	2	0.3%	763	4.9%
Tugs	2,565	45.5%	92	1.3%					2,657	17.2%
Total	5,632	100%	7,092	100%	1,954	100%	772	100%	15,450	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 10 - Gross tonnage (in 1000 gt) of 15-24 years old ships, by type and size

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	299	20.0%	10,785	23.4%	1,974	2.8%			13,058	6.7%
Specialized Cargo Ships			156	0.3%	381	0.5%			537	0.3%
Container Ships			9,672	21.0%	10,987	15.3%	11,343	14.8%	32,002	16.3%
Ro-Ro Cargo Ships	2	0.1%	2,039	4.4%	6,558	9.1%	1,229	1.6%	9,828	5.0%
Bulk Carriers	40	2.7%	8,148	17.7%	30,082	41.9%	20,058	26.1%	58,328	29.7%
Oil and Chemical Tankers	147	9.8%	8,050	17.5%	15,078	21.0%	30,608	39.8%	53,883	27.5%
Gas Tankers	2	0.1%	1,519	3.3%	1,888	2.6%	5,151	6.7%	8,560	4.4%
Other Tankers	11	0.7%	180	0.4%	29	0.0%			220	0.1%
Passenger Ships	228	15.2%	3,010	6.5%	3,497	4.9%	4,143	5.4%	10,878	5.5%
Offshore Vessels	93	6.2%	1,036	2.2%	1,083	1.5%	4,050	5.3%	6,262	3.2%
Service Ships	87	5.8%	1,398	3.0%	187	0.3%	302	0.4%	1,974	1.0%
Tugs	589	39.3%	80	0.2%					669	0.3%
Total	1,498	100%	46,073	100%	71,744	100%	76,884	100%	196,199	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 9 - Total number of 15-24 years old ships by size**Graph 10 - Gross tonnage of 15-24 years old ships by size**

+25 YEARS OLD SHIPS**Table 11 - Total number of +25 years old ships, by type and size**

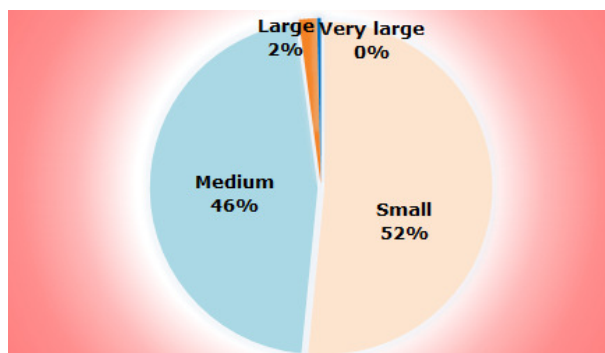
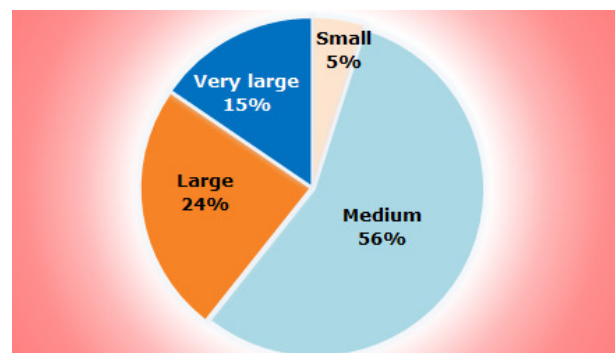
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	2,649	18.0%	5,168	39.0%	27	5.5%			7,844	27.4%
Specialized Cargo Ships	8	0.1%	114	0.9%	38	7.7%			160	0.6%
Container Ships	1	0.0%	165	1.2%	49	10.0%			215	0.8%
Ro-Ro Cargo Ships	16	0.1%	300	2.3%	59	12.0%			375	1.3%
Bulk Carriers	197	1.3%	685	5.2%	145	29.5%	12	11.0%	1,039	3.6%
Oil and Chemical Tankers	1,040	7.1%	1,908	14.4%	47	9.6%	6	5.5%	3,001	10.5%
Gas Tankers	30	0.2%	275	2.1%	24	4.9%	26	23.9%	355	1.2%
Other Tankers	196	1.3%	215	1.6%					411	1.4%
Passenger Ships	2,070	14.0%	1,215	9.2%	69	14.0%	7	6.4%	3,361	11.7%
Offshore Vessels	1,165	7.9%	1,458	11.0%	27	5.5%	55	50.5%	2,705	9.5%
Service Ships	1,330	9.0%	1,289	9.7%	7	1.4%	3	2.8%	2,629	9.2%
Tugs	6,049	41.0%	467	3.5%					6,516	22.8%
Total	14,751	100%	13,259	100%	492	100%	109	100%	28,611	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 12 - Gross tonnage (in 1000 gt) of +25 years old ships, by type and size

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	794	21.3%	14,162	33.5%	765	4.2%			15,721	20.7%
Specialized Cargo Ships	3	0.1%	639	1.5%	1,368	7.5%			2,010	2.6%
Container Ships			1,537	3.6%	1,909	10.5%			3,446	4.5%
Ro-Ro Cargo Ships	5	0.1%	2,198	5.2%	2,562	14.1%			4,765	6.3%
Bulk Carriers	75	2.0%	6,613	15.6%	5,080	27.9%	1,565	13.4%	13,333	17.6%
Oil and Chemical Tankers	321	8.6%	5,382	12.7%	1,581	8.7%	440	3.8%	7,724	10.2%
Gas Tankers	11	0.3%	975	2.3%	1,049	5.8%	2,380	20.3%	4,415	5.8%
Other Tankers	55	1.5%	250	0.6%					305	0.4%
Passenger Ships	500	13.4%	4,673	11.0%	2,438	13.4%	493	4.2%	8,104	10.7%
Offshore Vessels	289	7.8%	2,323	5.5%	1,197	6.6%	6,551	55.9%	10,360	13.6%
Service Ships	340	9.1%	3,127	7.4%	245	1.3%	284	2.4%	3,996	5.3%
Tugs	1,332	35.8%	425	1.0%					1,757	2.3%
Total	3,725	100%	42,304	100%	18,194	100%	11,713	100%	75,936	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 11 - Total number of +25 years old ships by size**Graph 12 - Gross tonnage of +25 years old ships by size**

2.3. SHIPS BY FLAG

WHOLE FLEET GT≥500

Table 13 - World fleet GT≥500: total number of ships, by type and flag

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	5,546	28.6%	6,405	17.9%	11,951	21.7%
Specialized Cargo Ships	108	0.6%	171	0.5%	279	0.5%
Container Ships	1,689	8.7%	3,469	9.7%	5,158	9.4%
Ro-Ro Cargo Ships	535	2.8%	924	2.6%	1,459	2.6%
Bulk Carriers	4,507	23.2%	6,472	18.1%	10,979	19.9%
Oil and Chemical Tankers	3,576	18.4%	7,291	20.4%	10,867	19.7%
Gas Tankers	525	2.7%	1,243	3.5%	1,768	3.2%
Other Tankers	189	1.0%	356	1.0%	545	1.0%
Passenger Ships	822	4.2%	2,190	6.1%	3,012	5.5%
Offshore Vessels	1,320	6.8%	4,300	12.0%	5,620	10.2%
Service Ships	434	2.2%	2,038	5.7%	2,472	4.5%
Tugs	142	0.7%	845	2.4%	987	1.8%
Total	19,393	100%	35,704	100%	55,097	100%

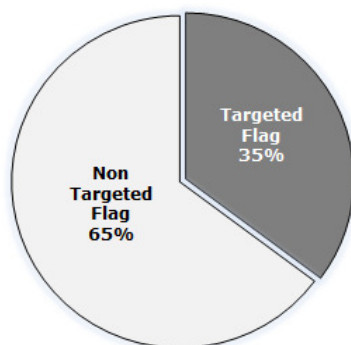
Source: Equasis

Table 14 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships, by type and flag

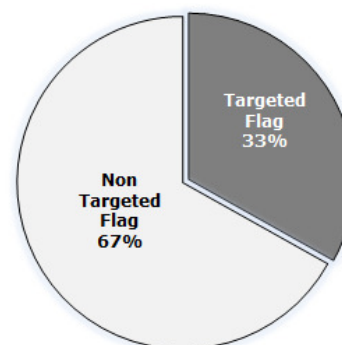
Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	24,010	6.0%	33,060	4.1%	57,070	4.7%
Specialized Cargo Ships	1,129	0.3%	3,250	0.4%	4,379	0.4%
Container Ships	60,896	15.3%	155,870	19.4%	216,766	18.0%
Ro-Ro Cargo Ships	17,730	4.5%	30,886	3.8%	48,616	4.0%
Bulk Carriers	172,550	43.4%	248,786	30.9%	421,336	35.1%
Oil and Chemical Tankers	89,079	22.4%	218,172	27.1%	307,251	25.6%
Gas Tankers	13,622	3.4%	48,144	6.0%	61,766	5.1%
Other Tankers	484	0.1%	1,162	0.1%	1,646	0.1%
Passenger Ships	9,066	2.3%	27,501	3.4%	36,567	3.0%
Offshore Vessels	7,093	1.8%	28,791	3.6%	35,884	3.0%
Service Ships	2,084	0.5%	7,572	0.9%	9,656	0.8%
Tugs	132	0.0%	848	0.1%	980	0.1%
Total	397,875	100%	804,042	100%	1,201,917	100%

Source: Equasis

Graph 13 - World fleet GT≥500: total number of ships, by flag



Graph 14 - World fleet GT≥500: gross tonnage of ships, by flag



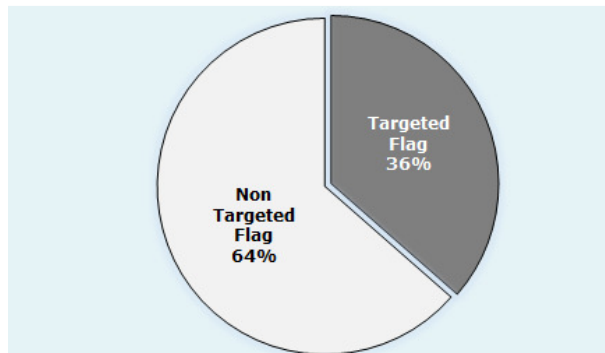
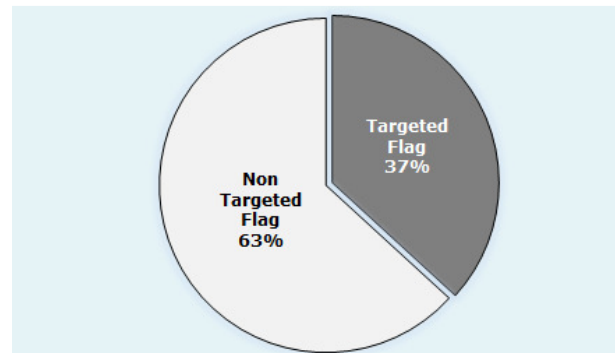
MEDIUM SIZED SHIPS

Table 15 - Total number of medium sized⁽¹⁾ ships, by type and flag

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	5,506	39.4%	6,223	25.5%	11,729	30.6%
Specialized Cargo Ships	90	0.6%	121	0.5%	211	0.6%
Container Ships	941	6.7%	1,328	5.4%	2,269	5.9%
Ro-Ro Cargo Ships	225	1.6%	420	1.7%	645	1.7%
Bulk Carriers	1,604	11.5%	2,166	8.9%	3,770	9.8%
Oil and Chemical Tankers	2,494	17.8%	4,255	17.5%	6,749	17.6%
Gas Tankers	372	2.7%	724	3.0%	1,096	2.9%
Other Tankers	187	1.3%	351	1.4%	538	1.4%
Passenger Ships	727	5.2%	1,850	7.6%	2,577	6.7%
Offshore Vessels	1,262	9.0%	4,077	16.7%	5,339	13.9%
Service Ships	425	3.0%	2,016	8.3%	2,441	6.4%
Tugs	142	1.0%	845	3.5%	987	2.6%
Total	13,975	100%	24,376	100%	38,351	100%

Source: Equasis ⁽¹⁾ 500≤GT<25.000**Table 16 - Gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	22,767	27.9%	27,077	19.3%	49,844	22.4%
Specialized Cargo Ships	485	0.6%	1,234	0.9%	1,719	0.8%
Container Ships	10,201	12.5%	16,371	11.7%	26,572	12.0%
Ro-Ro Cargo Ships	1,806	2.2%	4,490	3.2%	6,296	2.8%
Bulk Carriers	23,595	28.9%	32,078	22.9%	55,673	25.1%
Oil and Chemical Tankers	13,217	16.2%	27,458	19.6%	40,675	18.3%
Gas Tankers	2,133	2.6%	4,515	3.2%	6,648	3.0%
Other Tankers	428	0.5%	1,002	0.7%	1,430	0.6%
Passenger Ships	2,838	3.5%	7,827	5.6%	10,665	4.8%
Offshore Vessels	2,905	3.6%	10,880	7.8%	13,785	6.2%
Service Ships	1,172	1.4%	6,575	4.7%	7,747	3.5%
Tugs	132	0.2%	848	0.6%	980	0.4%
Total	81,679	100%	140,355	100%	222,034	100%

Source: Equasis ⁽¹⁾ 500≤GT<25.000**Graph 15 - Total number of medium sized ships, by flag****Graph 16 - Gross tonnage of medium sized ships, by flag**

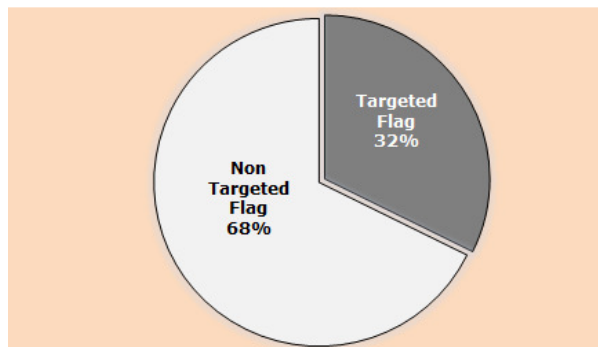
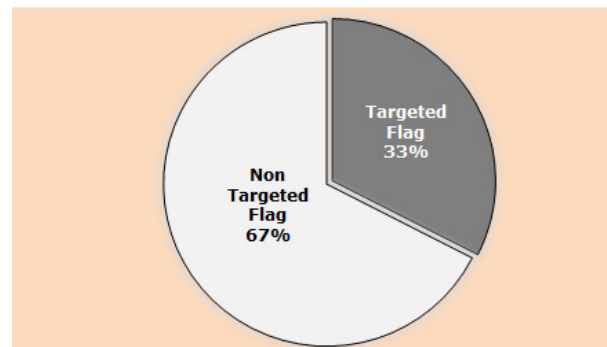
LARGE SHIPS

Table 17 - Total number of large⁽¹⁾ ships, by type and flag

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	40	1.1%	182	2.4%	222	2.0%
Specialized Cargo Ships	18	0.5%	47	0.6%	65	0.6%
Container Ships	389	10.6%	1,216	15.9%	1,605	14.2%
Ro-Ro Cargo Ships	240	6.6%	373	4.9%	613	5.4%
Bulk Carriers	2,182	59.7%	3,414	44.6%	5,596	49.5%
Oil and Chemical Tankers	625	17.1%	1,892	24.7%	2,517	22.3%
Gas Tankers	74	2.0%	201	2.6%	275	2.4%
Other Tankers	2	0.1%	5	0.1%	7	0.1%
Passenger Ships	48	1.3%	224	2.9%	272	2.4%
Offshore Vessels	30	0.8%	82	1.1%	112	1.0%
Service Ships	6	0.2%	19	0.2%	25	0.2%
Tugs						
Total	3,654	100%	7,655	100%	11,309	100%

Source: Equasis ⁽¹⁾ 25.000≤GT<60.000**Table 18 - Gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	1,243	0.9%	5,983	2.1%	7,226	1.7%
Specialized Cargo Ships	644	0.5%	1,796	0.6%	2,440	0.6%
Container Ships	14,663	10.6%	47,336	16.4%	61,999	14.5%
Ro-Ro Cargo Ships	11,357	8.2%	17,694	6.1%	29,051	6.8%
Bulk Carriers	80,645	58.1%	125,799	43.7%	206,444	48.3%
Oil and Chemical Tankers	23,797	17.1%	67,992	23.6%	91,789	21.5%
Gas Tankers	3,369	2.4%	8,770	3.0%	12,139	2.8%
Other Tankers	56	0.0%	160	0.1%	216	0.1%
Passenger Ships	1,579	1.1%	8,098	2.8%	9,677	2.3%
Offshore Vessels	1,318	0.9%	3,824	1.3%	5,142	1.2%
Service Ships	203	0.1%	715	0.2%	918	0.2%
Tugs						
Total	138,874	100%	288,167	100%	427,041	100%

Source: Equasis ⁽¹⁾ 25.000≤GT<60.000**Graph 17 - Total number of large ships, by flag****Graph 18 - Gross tonnage of large ships, by flag**

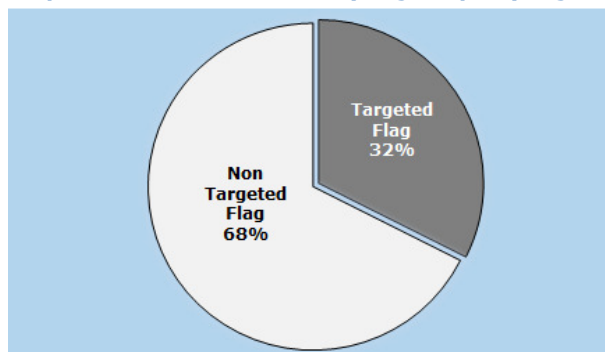
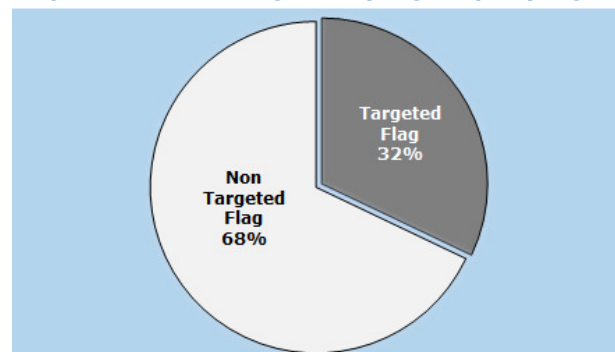
VERY LARGE SHIPS

Table 19 - Total number of very large⁽¹⁾ ships, by type and flag

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			3	0.1%	3	0.1%
Container Ships	359	20.4%	925	25.2%	1,284	23.6%
Ro-Ro Cargo Ships	70	4.0%	131	3.6%	201	3.7%
Bulk Carriers	721	40.9%	892	24.3%	1,613	29.7%
Oil and Chemical Tankers	457	25.9%	1,144	31.1%	1,601	29.4%
Gas Tankers	79	4.5%	318	8.7%	397	7.3%
Other Tankers						
Passenger Ships	47	2.7%	116	3.2%	163	3.0%
Offshore Vessels	28	1.6%	141	3.8%	169	3.1%
Service Ships	3	0.2%	3	0.1%	6	0.1%
Tugs						
Total	1,764	100%	3,673	100%	5,437	100%

Source: Equasis ⁽¹⁾ GT≥60,000**Table 20 - Gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			220	0.1%	220	0.0%
Container Ships	36,032	20.3%	92,163	24.5%	128,195	23.2%
Ro-Ro Cargo Ships	4,567	2.6%	8,702	2.3%	13,269	2.4%
Bulk Carriers	68,310	38.5%	90,909	24.2%	159,219	28.8%
Oil and Chemical Tankers	52,065	29.4%	122,722	32.7%	174,787	31.6%
Gas Tankers	8,120	4.6%	34,859	9.3%	42,979	7.8%
Other Tankers						
Passenger Ships	4,649	2.6%	11,576	3.1%	16,225	2.9%
Offshore Vessels	2,870	1.6%	14,087	3.8%	16,957	3.1%
Service Ships	709	0.4%	282	0.1%	991	0.2%
Tugs						
Total	177,322	100%	375,520	100%	552,842	100%

Source: Equasis ⁽¹⁾ GT≥60,000**Graph 19 - Total number of very large ships, by flag****Graph 20 - Gross tonnage of very large ships, by flag**

2.4. SHIP SIGHTINGS BY GEOGRAPHICAL AREA

Table 21 - Ship Sightings: total distinct number of ships sighted by area and by size – 2015

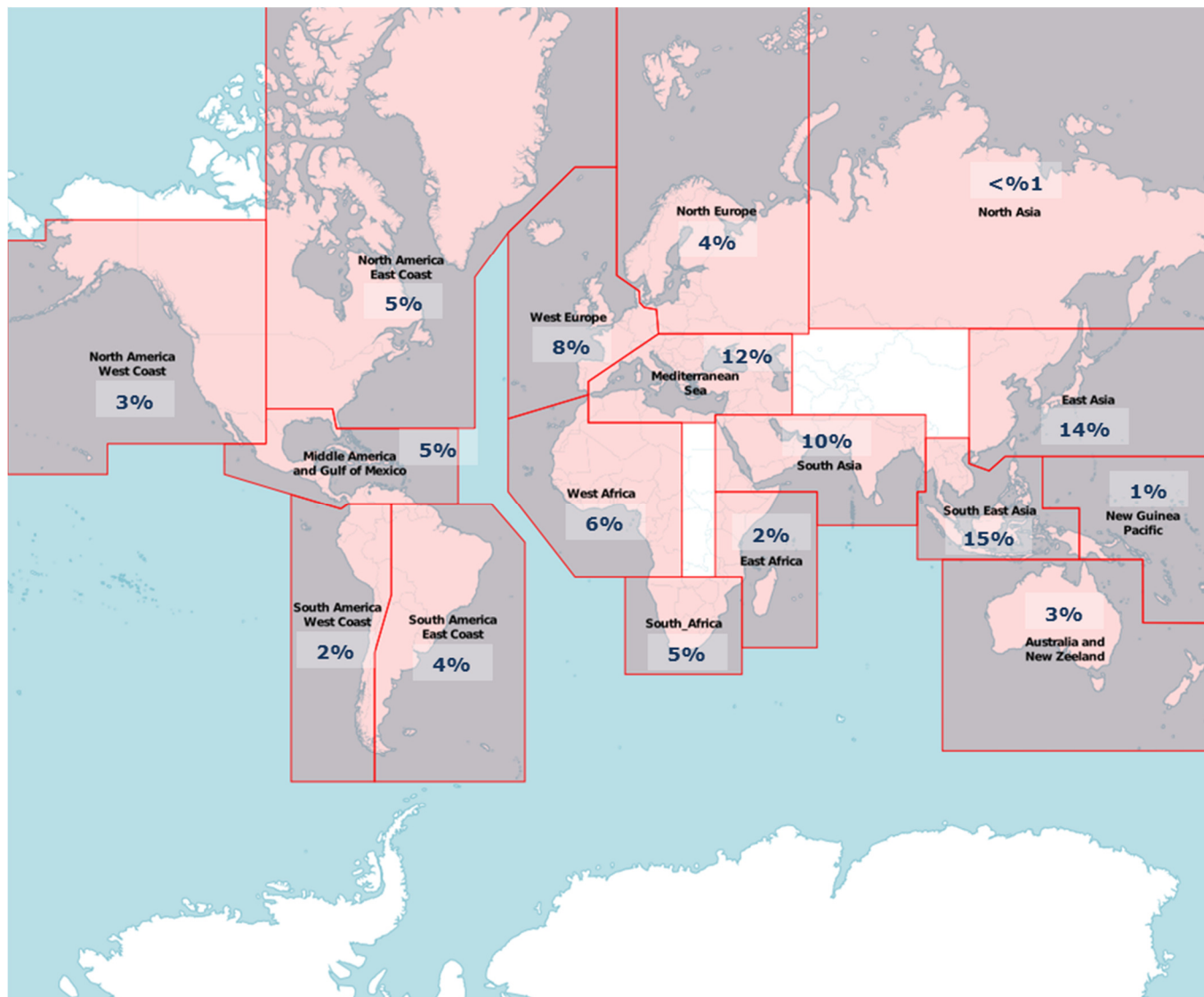
Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
Australia and New Zealand	153	2.0%	1,442	3.4%	2,725	4.5%	1,553	5.2%	5,873	4.1%
East Africa	64	0.8%	810	1.9%	1,922	3.2%	982	3.3%	3,778	2.7%
East Asia	1,389	18.1%	11,228	26.1%	8,193	13.5%	4,646	15.5%	25,456	18.0%
Mediterranean Sea	3,057	39.9%	11,547	26.8%	4,932	8.1%	2,629	8.8%	22,165	15.7%
Middle America and Gulf of Mexico	522	6.8%	3,699	8.6%	4,272	7.0%	1,461	4.9%	9,954	7.0%
New Guinea Pacific	56	0.7%	420	1.0%	388	0.6%	134	0.4%	998	0.7%
North America East Coast	1,348	17.6%	3,629	8.4%	2,988	4.9%	1,097	3.7%	9,062	6.4%
North America West Coast	318	4.2%	1,357	3.2%	2,862	4.7%	999	3.3%	5,536	3.9%
North Asia	3	0.0%	44	0.1%	3	0.0%	7	0.0%	57	0.0%
North Europe	364	4.8%	4,972	11.6%	1,731	2.8%	579	1.9%	7,646	5.4%
South America East Coast	318	4.2%	2,670	6.2%	3,418	5.6%	1,395	4.6%	7,801	5.5%
South America West Coast	70	0.9%	1,202	2.8%	1,228	2.0%	422	1.4%	2,922	2.1%
South Asia	1,437	18.8%	7,419	17.2%	6,002	9.9%	3,220	10.7%	18,078	12.8%
South East Asia	2,150	28.1%	12,382	28.8%	7,794	12.8%	4,470	14.9%	26,796	18.9%
South Africa	107	1.4%	1,790	4.2%	4,191	6.9%	2,273	7.6%	8,361	5.9%
West Africa	622	8.1%	5,205	12.1%	3,799	6.2%	1,883	6.3%	11,509	8.1%
West Europe	771	10.1%	7,769	18.1%	4,423	7.3%	2,272	7.6%	15,235	10.8%
Total	7,662	100%	43,020	100%	60,871	57%	30,022	53%	141,575	72%

Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 22 - Ship Sightings: Gross tonnage (in 1000 gt) of distinct ships sighted by area and by size – 2015

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
Australia and New Zealand	53	2.2%	20,008	4.8%	109,357	8.2%	141,070	9.1%	270,488	8.2%
East Africa	20	0.8%	10,308	2.4%	73,635	5.5%	103,702	6.7%	187,665	5.7%
East Asia	473	19.5%	97,893	23.3%	314,282	23.6%	482,726	31.1%	895,374	27.1%
Mediterranean Sea	956	39.4%	88,246	21.0%	186,103	14.0%	266,214	17.1%	541,519	16.4%
Middle America and Gulf of Mexico	168	6.9%	47,384	11.3%	163,702	12.3%	136,058	8.8%	347,312	10.5%
New Guinea Pacific	19	0.8%	4,866	1.2%	14,983	1.1%	11,912	0.8%	31,780	1.0%
North America East Coast	418	17.2%	37,620	8.9%	116,792	8.8%	94,729	6.1%	249,559	7.5%
North America West Coast	91	3.7%	19,579	4.7%	112,216	8.4%	89,532	5.8%	221,418	6.7%
North Asia	1	0.0%	204	0.0%	135	0.0%	520	0.0%	860	0.0%
North Europe	101	4.2%	43,576	10.4%	65,293	4.9%	50,024	3.2%	158,994	4.8%
South America East Coast	106	4.4%	33,204	7.9%	129,042	9.7%	140,936	9.1%	303,288	9.2%
South America West Coast	22	0.9%	17,966	4.3%	44,208	3.3%	35,669	2.3%	97,865	3.0%
South Asia	431	17.8%	66,873	15.9%	222,987	16.8%	342,295	22.0%	632,586	19.1%
South East Asia	677	27.9%	98,256	23.3%	298,117	22.4%	467,265	30.1%	864,315	26.1%
South Africa	36	1.5%	23,867	5.7%	161,486	12.1%	237,376	15.3%	422,765	12.8%
West Africa	196	8.1%	53,949	12.8%	142,006	10.7%	185,108	11.9%	381,259	11.5%
West Europe	222	9.1%	73,821	17.5%	168,783	12.7%	220,697	14.2%	463,523	14.0%
Total	2,428	100%	420,854	100%	1,329,748	100%	1,553,092	100%	3,306,122	100%

Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Graph 21 - Ship Sightings: total distinct number of ships sighted by geographical area – 2015 ⁽¹⁾

Sources⁽¹⁾: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis

Chapter 3

3. Classification Societies

INTRODUCTION

Classification Societies provide technical and surveying services for the shipping industry and the flag States. On the one hand they survey the ship on behalf of the owner and issue a 'class certificate' for the ship. On the other hand they may be mandated by flag States to undertake statutory surveys on their behalf as *Recognised Organisations*. The main classification societies worldwide are members of the International Association of Classification Societies (IACS).

This chapter and all other tables and graphs dealing with Classification Societies in this publication, with the exception of Chapters 5.5 and 5.6, only refer to the 'class' function; they only indicate the society that issued the class certificates for a particular ship. It does not necessarily follow that the same society is also acting as a Recognised Organisation on behalf of the ship's flag State.

In 2015, IACS consisted of 12 member societies:

- American Bureau of Shipping (ABS)
- Bureau Veritas (BV)
- China Classification Society (CCS)
- Croatian Register of Shipping (CRS)
- Det Norske Veritas - Germanischer Lloyd (DNV - GL)
- Indian Register of Shipping (IRS)
- Korean Register of Shipping (KR)
- Lloyd's Register of Shipping (LR)
- Nippon Kaiji Kyokai (NK)
- Polish Register of Shipping (PRS)
- Registro Italiano Navale (RINA)
- Russian Maritime Register of Shipping (RS)

The tables in this chapter show the proportion of the Equasis fleet $GT \geq 500$, in each ship size category and ship type, which were classed by IACS members and those classed by non-IACS members. Data on class comes from classification societies that are data-providers of Equasis while

remaining class information is supplied by IHS Maritime & Trade (when available).

There are 11,739 active ships for which no classification data is available at all in Equasis. This equates to a gross tonnage of 45,454,349, which is 3.7% of the total gross tonnage. These are mainly small tugs and medium sized general cargo ships. When considering only ships above 500 GT, the figures drop to 5,657 ships, representing a gross tonnage of 43,898,192 (3.6% total gross tonnage). For simplicity reasons. Ships that are not classed by IACS members or for which no class record exists are grouped under the heading "Non-IACS/No Record".

In Chapter 3.3 the fleet is analysed according to class and flag State status. Flag States are grouped in two categories, targeted and non-targeted flag, as explained in Chapter 1.

In Chapter 3.4 the detention rate of ships is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU), USCG, Viña del Mar MoU Mediterranean MoU and Caribbean MoU. All detentions are taken into account, whether or not the deficiencies giving rise to the detention were indicated by PSC as related to the activities of the Classification Society or Recognised Organisation.

RESULTS

Graph 22 shows that the Equasis fleet over 500 GT is dominated by ships classed by IACS members (71% by number and 89% by tonnage).

This proportion is reflected in most of the ship types although general cargo ships account for under half (37.3%) of the world's fleet over 500GT that are not IACS classed (Table 23). Graphs 24 to 29 show that the IACS share increases with the size of the ship, with 91% of the large and very

large ship size category, by number and tonnage. Ships covered by non-IACS members or for which no class was recorded are mostly medium sized ships (Graph 24) in contrast with remaining ship size categories.

Graphs 30, 38, 46 and 54 show that the IACS members coverage is greater among the younger fleet and tends to diminish with age – from 83% of ships aged up to 5 years to 36% of the fleet over 25 years old.

Graph 62 shows only 23% of ships originated from Targeted Flag are being classified by IACS members, half in comparison with Non-Targeted Flag.

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 2.64% of inspections resulted in detention in 2015 (Table 71). Those ships classed by an IACS member were less likely to be detained in 2015 (2.03%) than those classed with non-IACS members or with no recorded class (6.91%).

For certain ship categories the number of inspections is too small to be statistically significant, thus explaining some of the reported 0% detention rate.

3.1. CLASS STATUS

WORLD FLEET GT≥500: TOTAL NUMBER OF SHIPS, BY TYPE AND CLASS

Table 23 - World fleet GT≥500 : total number of ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	5,973	15.3%	5,978	37.3%	11,951	21.7%
Specialized Cargo Ships	182	0.5%	97	0.6%	279	0.5%
Container Ships	4,588	11.7%	570	3.6%	5,158	9.4%
Ro-Ro Cargo Ships	1,185	3.0%	274	1.7%	1,459	2.6%
Bulk Carriers	9,355	23.9%	1,624	10.1%	10,979	19.9%
Oil and Chemical Tankers	8,123	20.8%	2,744	17.1%	10,867	19.7%
Gas Tankers	1,450	3.7%	318	2.0%	1,768	3.2%
Other Tankers	326	0.8%	219	1.4%	545	1.0%
Passenger Ships	1,355	3.5%	1,657	10.4%	3,012	5.5%
Offshore Vessels	4,650	11.9%	970	6.1%	5,620	10.2%
Service Ships	1,264	3.2%	1,208	7.5%	2,472	4.5%
Tugs	639	1.6%	348	2.2%	987	1.8%
Total	39,090	100%	16,007	100%	55,097	100%

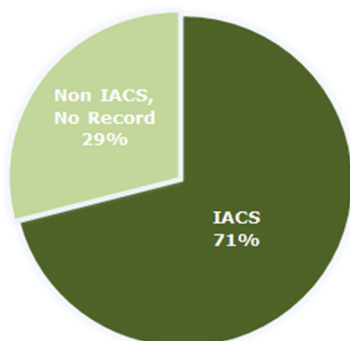
Source: Equasis - IACS membership on 31/12/2015

Table 24 - World fleet GT≥500 : gross tonnage (in 1000 gt) of ships, by type and class

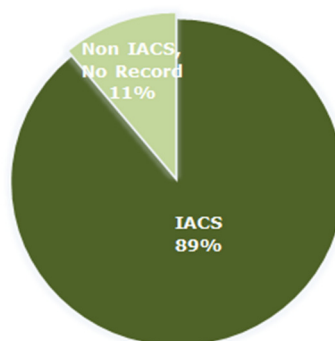
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	41,412	3.9%	15,659	11.8%	57,071	4.7%
Specialized Cargo Ships	3,659	0.3%	718	0.5%	4,377	0.4%
Container Ships	199,822	18.7%	16,944	12.8%	216,766	18.0%
Ro-Ro Cargo Ships	45,243	4.2%	3,374	2.5%	48,617	4.0%
Bulk Carriers	385,253	36.0%	36,083	27.2%	421,336	35.1%
Oil and Chemical Tankers	271,986	25.4%	35,264	26.6%	307,250	25.6%
Gas Tankers	54,057	5.1%	7,710	5.8%	61,767	5.1%
Other Tankers	1,343	0.1%	302	0.2%	1,645	0.1%
Passenger Ships	28,164	2.6%	8,403	6.3%	36,567	3.0%
Offshore Vessels	31,186	2.9%	4,699	3.5%	35,885	3.0%
Service Ships	6,510	0.6%	3,145	2.4%	9,655	0.8%
Tugs	670	0.1%	310	0.2%	980	0.1%
Total	1,069,305	100%	132,611	100%	1,201,916	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 22 - World fleet GT≥500 : total number of ships, by class



Graph 23 - World fleet GT≥500 : gross tonnage of ships, by class



MEDIUM SIZED SHIPS

Table 25 - Total number of medium sized⁽¹⁾ ships, by type and class

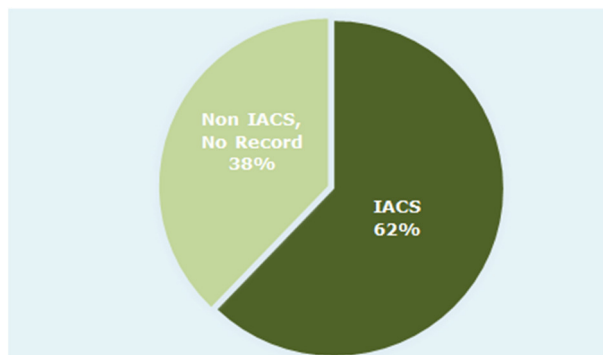
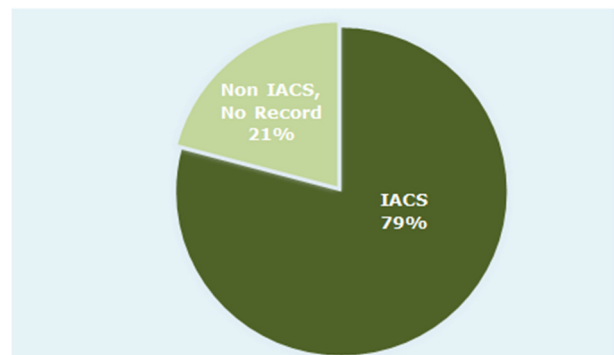
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	5,762	24.2%	5,967	41.1%	11,729	30.6%
Specialized Cargo Ships	121	0.5%	90	0.6%	211	0.6%
Container Ships	1,888	7.9%	381	2.6%	2,269	5.9%
Ro-Ro Cargo Ships	409	1.7%	236	1.6%	645	1.7%
Bulk Carriers	2,762	11.6%	1,008	6.9%	3,770	9.8%
Oil and Chemical Tankers	4,452	18.7%	2,297	15.8%	6,749	17.6%
Gas Tankers	867	3.6%	229	1.6%	1,096	2.9%
Other Tankers	319	1.3%	219	1.5%	538	1.4%
Passenger Ships	978	4.1%	1,599	11.0%	2,577	6.7%
Offshore Vessels	4,400	18.5%	939	6.5%	5,339	13.9%
Service Ships	1,241	5.2%	1,200	8.3%	2,441	6.4%
Tugs	639	2.7%	348	2.4%	987	2.6%
Total	23,838	100%	14,513	100%	38,351	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Table 26 - Gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	34,471	19.6%	15,373	33.2%	49,844	22.4%
Specialized Cargo Ships	1,280	0.7%	438	0.9%	1,718	0.8%
Container Ships	23,734	13.5%	2,838	6.1%	26,572	12.0%
Ro-Ro Cargo Ships	4,815	2.7%	1,482	3.2%	6,297	2.8%
Bulk Carriers	46,880	26.7%	8,793	19.0%	55,673	25.1%
Oil and Chemical Tankers	33,366	19.0%	7,308	15.8%	40,674	18.3%
Gas Tankers	5,595	3.2%	1,053	2.3%	6,648	3.0%
Other Tankers	1,128	0.6%	302	0.7%	1,430	0.6%
Passenger Ships	6,209	3.5%	4,456	9.6%	10,665	4.8%
Offshore Vessels	12,248	7.0%	1,537	3.3%	13,785	6.2%
Service Ships	5,306	3.0%	2,440	5.3%	7,746	3.5%
Tugs	670	0.4%	310	0.7%	980	0.4%
Total	175,702	100%	46,330	100%	222,032	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Graph 24 - Total number of medium sized ships, by class**Graph 25 - Gross tonnage of medium sized ships, by class**

LARGE SHIPS

Table 27 - Total number of large⁽¹⁾ ships, by type and class

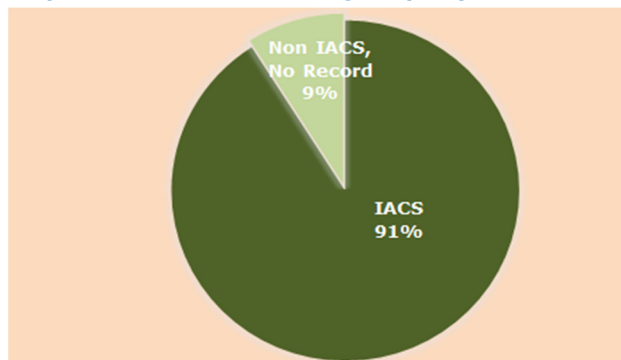
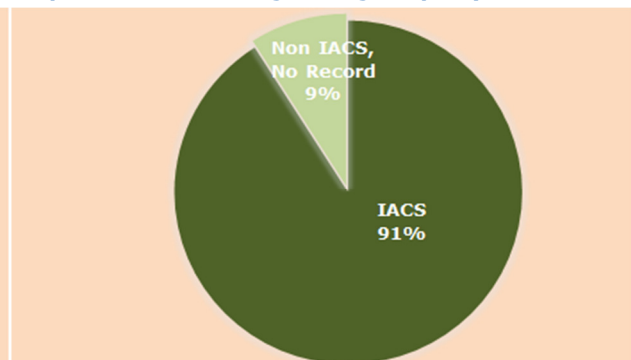
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	211	2.1%	11	1.1%	222	2.0%
Specialized Cargo Ships	59	0.6%	6	0.6%	65	0.6%
Container Ships	1,519	14.8%	86	8.4%	1,605	14.2%
Ro-Ro Cargo Ships	584	5.7%	29	2.8%	613	5.4%
Bulk Carriers	5,072	49.3%	524	51.2%	5,596	49.5%
Oil and Chemical Tankers	2,236	21.7%	281	27.4%	2,517	22.3%
Gas Tankers	229	2.2%	46	4.5%	275	2.4%
Other Tankers	7	0.1%			7	0.1%
Passenger Ships	247	2.4%	25	2.4%	272	2.4%
Offshore Vessels	102	1.0%	10	1.0%	112	1.0%
Service Ships	19	0.2%	6	0.6%	25	0.2%
Tugs						
Total	10,285	100%	1,024	100%	11,309	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Table 28 - Gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	6,941	1.8%	286	0.8%	7,227	1.7%
Specialized Cargo Ships	2,226	0.6%	213	0.6%	2,439	0.6%
Container Ships	58,726	15.1%	3,273	8.8%	61,999	14.5%
Ro-Ro Cargo Ships	27,787	7.1%	1,264	3.4%	29,051	6.8%
Bulk Carriers	188,104	48.2%	18,340	49.3%	206,444	48.3%
Oil and Chemical Tankers	81,532	20.9%	10,257	27.6%	91,789	21.5%
Gas Tankers	10,161	2.6%	1,978	5.3%	12,139	2.8%
Other Tankers	215	0.1%			215	0.1%
Passenger Ships	8,806	2.3%	872	2.3%	9,678	2.3%
Offshore Vessels	4,688	1.2%	455	1.2%	5,143	1.2%
Service Ships	688	0.2%	230	0.6%	918	0.2%
Tugs						
Total	389,874	100%	37,168	100%	427,042	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Graph 26 - Total number of large ships, by class**Graph 27 - Gross tonnage of large ships, by class**

VERY LARGE SHIPS

Table 29 - Total number of very large⁽¹⁾ ships, by type and class

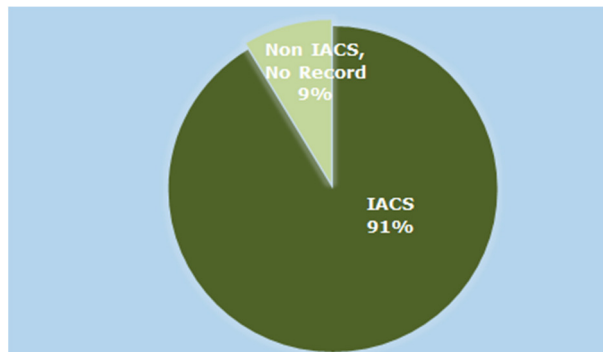
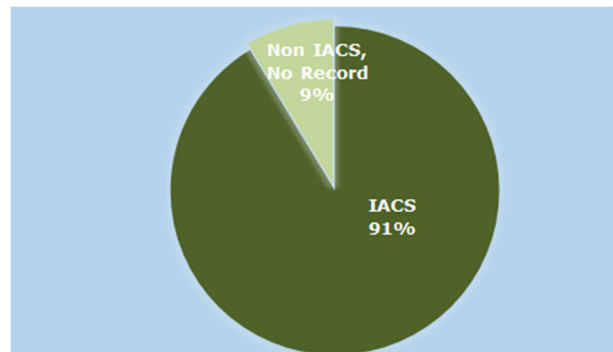
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	2	0.0%	1	0.2%	3	0.1%
Container Ships	1,181	23.8%	103	21.9%	1,284	23.6%
Ro-Ro Cargo Ships	192	3.9%	9	1.9%	201	3.7%
Bulk Carriers	1,521	30.6%	92	19.6%	1,613	29.7%
Oil and Chemical Tankers	1,435	28.9%	166	35.3%	1,601	29.4%
Gas Tankers	354	7.1%	43	9.1%	397	7.3%
Other Tankers						
Passenger Ships	130	2.6%	33	7.0%	163	3.0%
Offshore Vessels	148	3.0%	21	4.5%	169	3.1%
Service Ships	4	0.1%	2	0.4%	6	0.1%
Tugs						
Total	4,967	100%	470	100%	5,437	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2015

Table 30 - Gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	153	0.0%	67	0.1%	220	0.0%
Container Ships	117,362	23.3%	10,833	22.1%	128,195	23.2%
Ro-Ro Cargo Ships	12,641	2.5%	628	1.3%	13,269	2.4%
Bulk Carriers	150,269	29.8%	8,950	18.2%	159,219	28.8%
Oil and Chemical Tankers	157,088	31.2%	17,699	36.0%	174,787	31.6%
Gas Tankers	38,301	7.6%	4,679	9.5%	42,980	7.8%
Other Tankers						
Passenger Ships	13,149	2.6%	3,075	6.3%	16,224	2.9%
Offshore Vessels	14,250	2.8%	2,707	5.5%	16,957	3.1%
Service Ships	516	0.1%	475	1.0%	991	0.2%
Tugs						
Total	503,729	100%	49,113	100%	552,842	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2015

Graph 28 - Total number of very large ships, by class**Graph 29 - Gross tonnage of very large ships, by class**

3.2. CLASS STATUS AND AGE

0-4 YEARS OLD SHIPS

Table 31 - World fleet GT≥500: total number of 0-4 years old ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	661	8.1%	315	19.7%	976	10.0%
Specialized Cargo Ships	34	0.4%	10	0.6%	44	0.5%
Container Ships	756	9.3%	145	9.1%	901	9.3%
Ro-Ro Cargo Ships	169	2.1%	7	0.4%	176	1.8%
Bulk Carriers	3,109	38.3%	430	26.8%	3,539	36.4%
Oil and Chemical Tankers	1,302	16.0%	302	18.9%	1,604	16.5%
Gas Tankers	288	3.5%	73	4.6%	361	3.7%
Other Tankers	103	1.3%	22	1.4%	125	1.3%
Passenger Ships	120	1.5%	118	7.4%	238	2.4%
Offshore Vessels	1,262	15.5%	80	5.0%	1,342	13.8%
Service Ships	212	2.6%	98	6.1%	310	3.2%
Tugs	101	1.2%	2	0.1%	103	1.1%
Total	8,117	100%	1,602	100%	9,719	100%

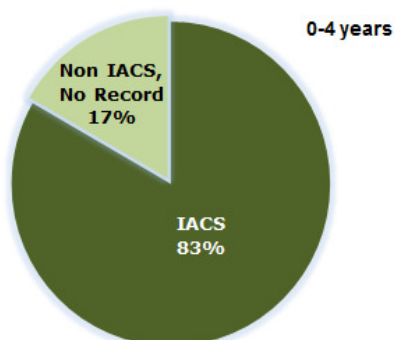
Source: Equasis - IACS membership on 31/12/2015

Table 32 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships 0-4 years old, by type and class

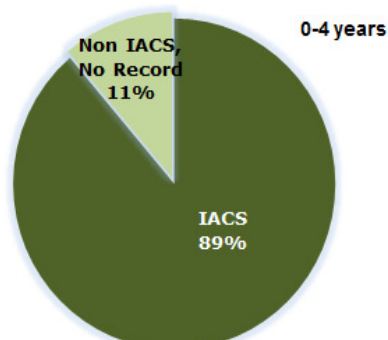
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	7,468	2.6%	1,373	3.8%	8,841	2.7%
Specialized Cargo Ships	855	0.3%	246	0.7%	1,101	0.3%
Container Ships	57,454	19.9%	8,148	22.4%	65,602	20.2%
Ro-Ro Cargo Ships	8,339	2.9%	273	0.8%	8,612	2.7%
Bulk Carriers	139,860	48.5%	12,875	35.4%	152,735	47.1%
Oil and Chemical Tankers	49,839	17.3%	6,760	18.6%	56,599	17.4%
Gas Tankers	10,809	3.8%	3,870	10.6%	14,679	4.5%
Other Tankers	502	0.2%	42	0.1%	544	0.2%
Passenger Ships	3,085	1.1%	1,337	3.7%	4,422	1.4%
Offshore Vessels	8,915	3.1%	706	1.9%	9,621	3.0%
Service Ships	961	0.3%	722	2.0%	1,683	0.5%
Tugs	115	0.0%	27	0.1%	142	0.0%
Total	288,202	100%	36,379	100%	324,581	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 30 - World fleet GT≥500: total number of 0-4 years old ships, by class



Graph 31 - World fleet GT≥500: gross tonnage of 0-4 years old of ships, by class



0-4 YEARS OLD MEDIUM SIZED SHIPS

Table 33 - Total number of 0-4 years old medium sized⁽¹⁾ ships, by type and class

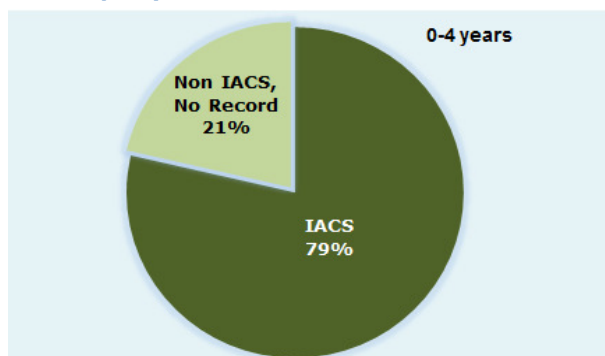
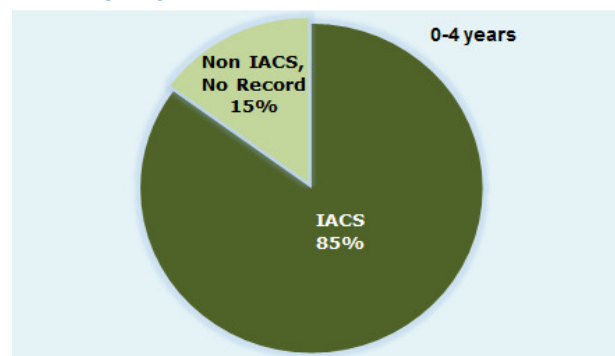
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	594	14.6%	308	27.8%	902	17.4%
Specialized Cargo Ships	21	0.5%	6	0.5%	27	0.5%
Container Ships	163	4.0%	69	6.2%	232	4.5%
Ro-Ro Cargo Ships	34	0.8%	3	0.3%	37	0.7%
Bulk Carriers	783	19.3%	167	15.1%	950	18.4%
Oil and Chemical Tankers	612	15.0%	210	19.0%	822	15.9%
Gas Tankers	170	4.2%	12	1.1%	182	3.5%
Other Tankers	102	2.5%	22	2.0%	124	2.4%
Passenger Ships	90	2.2%	109	9.8%	199	3.8%
Offshore Vessels	1,186	29.2%	77	7.0%	1,263	24.4%
Service Ships	211	5.2%	95	8.6%	306	5.9%
Tugs	101	2.5%	29	2.6%	130	2.5%
Total	4,067	100%	1,107	100%	5,174	100%

Source: Equasis - IACS membership on 31/12/2015

Table 34 - Gross tonnage (in 1000 gt) of 0-4 years old medium sized⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	5,144	14.4%	1,196	19.1%	6,340	15.1%
Specialized Cargo Ships	259	0.7%	75	1.2%	334	0.8%
Container Ships	2,084	5.8%	703	11.2%	2,787	6.6%
Ro-Ro Cargo Ships	462	1.3%	23	0.4%	485	1.2%
Bulk Carriers	16,165	45.3%	1,968	31.4%	18,133	43.3%
Oil and Chemical Tankers	4,263	12.0%	1,014	16.2%	5,277	12.6%
Gas Tankers	1,234	3.5%	193	3.1%	1,427	3.4%
Other Tankers	476	1.3%	42	0.7%	518	1.2%
Passenger Ships	280	0.8%	484	7.7%	764	1.8%
Offshore Vessels	4,234	11.9%	295	4.7%	4,529	10.8%
Service Ships	930	2.6%	250	4.0%	1,180	2.8%
Tugs	115	0.3%	27	0.4%	142	0.3%
Total	35,646	100%	6,270	100%	41,916	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 32 - Total number of 0-4 years old medium sized ships, by class**Graph 33 - Gross tonnage of 0-4 years old medium sized ships, by class**

0-4 YEARS OLD LARGE SHIPS

Table 35 - Total number of 0-4 years old large⁽¹⁾ ships, by type and class

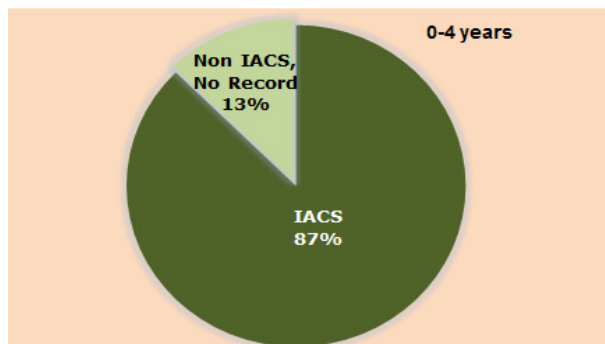
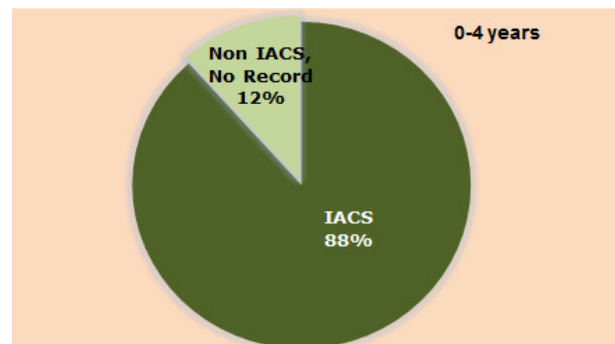
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	67	2.5%	7	1.8%	74	2.4%
Specialized Cargo Ships	11	0.4%	3	0.8%	14	0.5%
Container Ships	207	7.8%	24	6.3%	231	7.6%
Ro-Ro Cargo Ships	78	2.9%	1	0.3%	79	2.6%
Bulk Carriers	1,809	68.3%	235	61.8%	2,044	67.5%
Oil and Chemical Tankers	382	14.4%	58	15.3%	440	14.5%
Gas Tankers	50	1.9%	46	12.1%	96	3.2%
Other Tankers	1	0.0%			1	0.0%
Passenger Ships	11	0.4%	4	1.1%	15	0.5%
Offshore Vessels	33	1.2%			33	1.1%
Service Ships	1	0.0%	2	0.5%	3	0.1%
Tugs						
Total	2,650	100%	380	100%	3,030	100%

Source: Equasis - IACS membership on 31/12/2015

Table 36 - Gross tonnage (in 1000 gt) of 0-4 years old large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	2,324	2.3%	177	1.3%	2,501	2.2%
Specialized Cargo Ships	443	0.4%	104	0.8%	547	0.5%
Container Ships	8,742	8.6%	821	6.1%	9,563	8.3%
Ro-Ro Cargo Ships	3,925	3.8%	33	0.2%	3,958	3.4%
Bulk Carriers	70,112	68.6%	8,166	60.9%	78,278	67.7%
Oil and Chemical Tankers	12,289	12.0%	1,907	14.2%	14,196	12.3%
Gas Tankers	2,307	2.3%	1,978	14.7%	4,285	3.7%
Other Tankers	26	0.0%			26	0.0%
Passenger Ships	427	0.4%	164	1.2%	591	0.5%
Offshore Vessels	1,546	1.5%			1,546	1.3%
Service Ships	31	0.0%	68	0.5%	99	0.1%
Tugs						
Total	102,172	100%	13,418	100%	115,590	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 34 - Total number of 0-4 years old large ships, by class**Graph 35 - Gross tonnage of 0-4 years old large ships, by class**

0-4 YEARS OLD VERY LARGE SHIPS

Table 37 - Total number of 0-4 years old very large⁽¹⁾ ships, by type and class

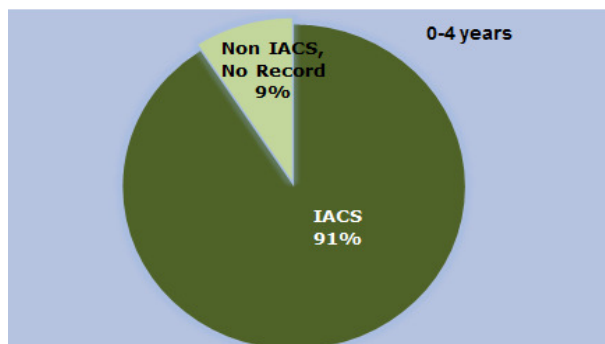
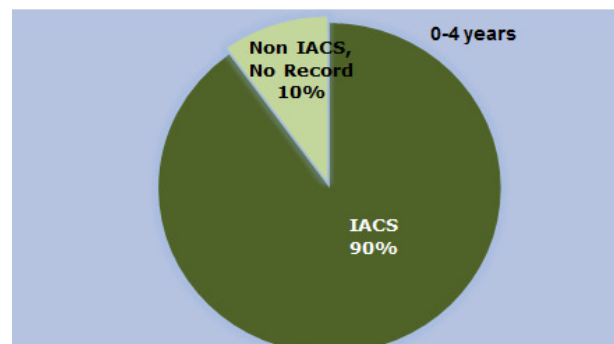
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	2	0.1%	1	0.7%	3	0.2%
Container Ships	386	27.6%	52	36.6%	438	28.4%
Ro-Ro Cargo Ships	57	4.1%	3	2.1%	60	3.9%
Bulk Carriers	517	36.9%	28	19.7%	545	35.3%
Oil and Chemical Tankers	308	22.0%	34	23.9%	342	22.2%
Gas Tankers	68	4.9%	15	10.6%	83	5.4%
Other Tankers						
Passenger Ships	19	1.4%	5	3.5%	24	1.6%
Offshore Vessels	43	3.1%	3	2.1%	46	3.0%
Service Ships			1	0.7%	1	0.1%
Tugs						
Total	1,400	100%	142	100%	1,542	100%

Source: Equasis - IACS membership on 31/12/2015

Table 38 - Gross tonnage (in 1000 gt) of 0-4 years old very large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	153	0.1%	67	0.4%	220	0.1%
Container Ships	46,628	31.0%	6,624	39.7%	53,252	31.9%
Ro-Ro Cargo Ships	3,952	2.6%	217	1.3%	4,169	2.5%
Bulk Carriers	53,583	35.6%	2,741	16.4%	56,324	33.7%
Oil and Chemical Tankers	33,287	22.1%	3,839	23.0%	37,126	22.2%
Gas Tankers	7,268	4.8%	1,699	10.2%	8,967	5.4%
Other Tankers						
Passenger Ships	2,378	1.6%	689	4.1%	3,067	1.8%
Offshore Vessels	3,135	2.1%	411	2.5%	3,546	2.1%
Service Ships			404	2.4%	404	0.2%
Tugs						
Total	150,384	100%	16,691	100%	167,075	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 36 - Total number of 0-4 years old very large ships, by class**Graph 37 - Gross tonnage of 0-4 years old very large ships, by class**

5-14 YEARS OLD SHIPS

Table 39 - World fleet GT≥500: total number of 5-14 years old ships, by type and class

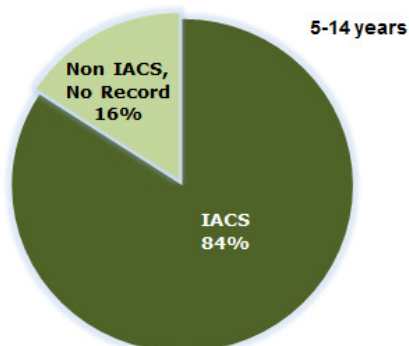
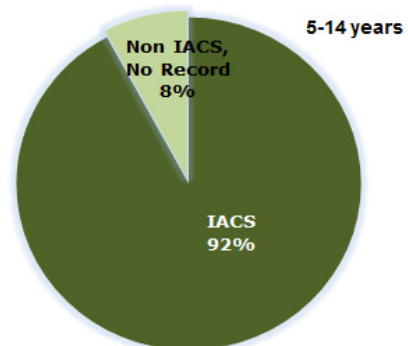
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	2,195	12.0%	1,207	35.2%	3,402	15.7%
Specialized Cargo Ships	47	0.3%	7	0.2%	54	0.2%
Container Ships	2,569	14.1%	183	5.3%	2,752	12.7%
Ro-Ro Cargo Ships	552	3.0%	24	0.7%	576	2.7%
Bulk Carriers	4,258	23.3%	633	18.5%	4,891	22.6%
Oil and Chemical Tankers	4,785	26.2%	582	17.0%	5,367	24.8%
Gas Tankers	667	3.7%	37	1.1%	704	3.2%
Other Tankers	117	0.6%	24	0.7%	141	0.7%
Passenger Ships	383	2.1%	325	9.5%	708	3.3%
Offshore Vessels	2,132	11.7%	158	4.6%	2,290	10.6%
Service Ships	295	1.6%	195	5.7%	490	2.3%
Tugs	247	1.4%	51	1.5%	298	1.4%
Total	18,247	100%	3,426	100%	21,673	100%

Source: Equasis - IACS membership on 31/12/2015

Table 40 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships 5-14 years old, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	17,093	3.0%	3,451	7.2%	20,544	3.4%
Specialized Cargo Ships	651	0.1%	81	0.2%	732	0.1%
Container Ships	109,569	19.5%	6,146	12.8%	115,715	19.0%
Ro-Ro Cargo Ships	24,772	4.4%	646	1.3%	25,418	4.2%
Bulk Carriers	182,746	32.5%	14,307	29.8%	197,053	32.3%
Oil and Chemical Tankers	172,493	30.7%	17,019	35.4%	189,512	31.0%
Gas Tankers	31,545	5.6%	2,578	5.4%	34,123	5.6%
Other Tankers	596	0.1%	46	0.1%	642	0.1%
Passenger Ships	11,645	2.1%	2,245	4.7%	13,890	2.3%
Offshore Vessels	8,996	1.6%	1,027	2.1%	10,023	1.6%
Service Ships	1,986	0.4%	442	0.9%	2,428	0.4%
Tugs	279	0.0%	54	0.1%	333	0.1%
Total	562,371	100%	48,042	100%	610,413	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 38 - World fleet GT≥500: total number of 5-14 years old ships, by class**Graph 39 - World fleet GT≥500: gross tonnage of 5-14 years old of ships, by class**

5-14 YEARS OLD MEDIUM SIZED SHIPS

Table 41 - Total number of 5-14 years old medium sized⁽¹⁾ ships, by type and class

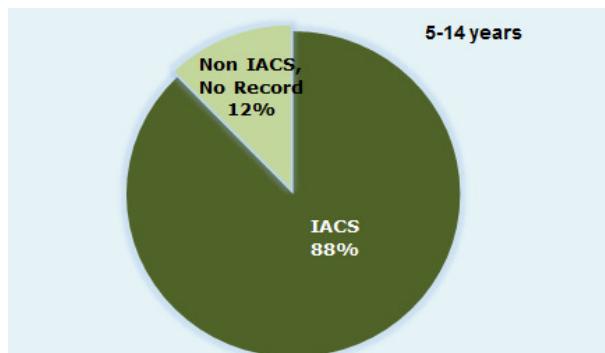
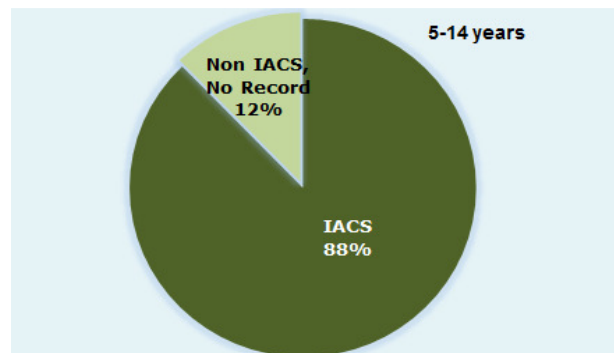
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	2,137	21.3%	1,207	43.2%	3,344	26.1%
Specialized Cargo Ships	43	0.4%	7	0.3%	50	0.4%
Container Ships	949	9.5%	95	3.4%	1,044	8.1%
Ro-Ro Cargo Ships	108	1.1%	8	0.3%	116	0.9%
Bulk Carriers	1,114	11.1%	404	14.4%	1,518	11.8%
Oil and Chemical Tankers	2,392	23.9%	327	11.7%	2,719	21.2%
Gas Tankers	337	3.4%	17	0.6%	354	2.8%
Other Tankers	112	1.1%	24	0.9%	136	1.1%
Passenger Ships	228	2.3%	309	11.0%	537	4.2%
Offshore Vessels	2,077	20.7%	153	5.5%	2,230	17.4%
Service Ships	285	2.8%	195	7.0%	480	3.7%
Tugs	247	2.5%	51	1.8%	298	2.3%
Total	10,029	100%	2,797	100%	12,826	100%

Source: Equasis - IACS membership on 31/12/2015

Table 42 - Gross tonnage (in 1000 gt) of 5-14 years old medium sized⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	15,106	18.8%	3,451	30.7%	18,557	20.2%
Specialized Cargo Ships	508	0.6%	81	0.7%	589	0.6%
Container Ships	11,954	14.9%	621	5.5%	12,575	13.7%
Ro-Ro Cargo Ships	1,561	1.9%	14	0.1%	1,575	1.7%
Bulk Carriers	19,473	24.2%	3,306	29.4%	22,779	24.8%
Oil and Chemical Tankers	20,383	25.3%	1,583	14.1%	21,966	23.9%
Gas Tankers	2,390	3.0%	336	3.0%	2,726	3.0%
Other Tankers	435	0.5%	46	0.4%	481	0.5%
Passenger Ships	1,229	1.5%	988	8.8%	2,217	2.4%
Offshore Vessels	5,578	6.9%	319	2.8%	5,897	6.4%
Service Ships	1,599	2.0%	442	3.9%	2,041	2.2%
Tugs	279	0.3%	54	0.5%	333	0.4%
Total	80,495	100%	11,241	100%	91,736	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 40 - Total number of 5-14 years old medium sized ships, by class**Graph 41 - Gross tonnage of 5-14 years old medium sized ships, by class**

5-14 YEARS OLD LARGE SHIPS

Table 43 - Total number of 5-14 years old large⁽¹⁾ ships, by type and class

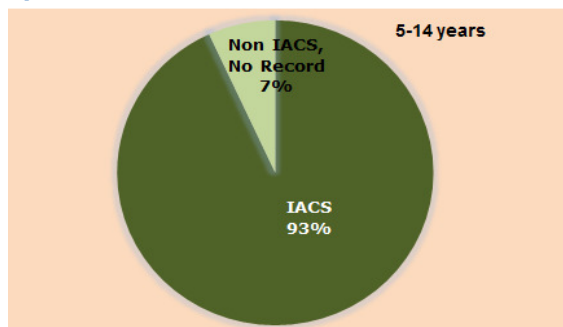
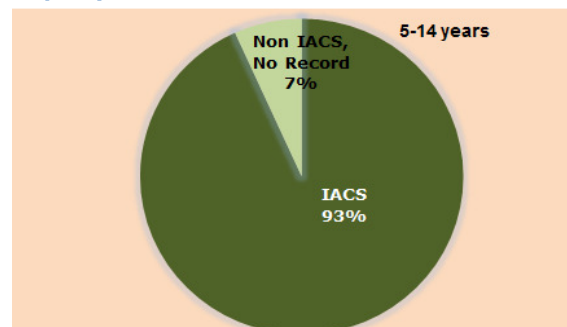
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	58	1.1%			58	1.0%
Specialized Cargo Ships	4	0.1%			4	0.1%
Container Ships	976	18.0%	45	11.2%	1,021	17.5%
Ro-Ro Cargo Ships	323	5.9%	14	3.5%	337	5.8%
Bulk Carriers	2,337	43.0%	179	44.6%	2,516	43.1%
Oil and Chemical Tankers	1,496	27.5%	157	39.2%	1,653	28.3%
Gas Tankers	112	2.1%			112	1.9%
Other Tankers	5	0.1%			5	0.1%
Passenger Ships	84	1.5%	5	1.2%	89	1.5%
Offshore Vessels	27	0.5%	1	0.2%	28	0.5%
Service Ships	10	0.2%			10	0.2%
Tugs						
Total	5,432	100%	401	100%	5,833	100%

Source: Equasis - IACS membership on 31/12/2015

Table 44 - Gross tonnage (in 1000 gt) of 5-14 years old large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,987	1.0%			1,987	0.9%
Specialized Cargo Ships	143	0.1%			143	0.1%
Container Ships	37,647	18.2%	1,893	12.6%	39,540	17.9%
Ro-Ro Cargo Ships	15,481	7.5%	491	3.3%	15,972	7.2%
Bulk Carriers	86,495	41.9%	6,508	43.4%	93,003	42.0%
Oil and Chemical Tankers	55,035	26.7%	5,899	39.3%	60,934	27.5%
Gas Tankers	4,916	2.4%			4,916	2.2%
Other Tankers	161	0.1%			161	0.1%
Passenger Ships	2,993	1.4%	158	1.1%	3,151	1.4%
Offshore Vessels	1,259	0.6%	56	0.4%	1,315	0.6%
Service Ships	387	0.2%			387	0.2%
Tugs						
Total	206,504	100%	15,005	100%	221,509	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 42 - Total number of 5-14 years old large ships, by class**Graph 43 - Gross tonnage of 5-14 years old large ships, by class**

5-14 YEARS OLD VERY LARGE SHIPS

Table 45 - Total number of 5-14 years old very large⁽¹⁾ ships, by type and class

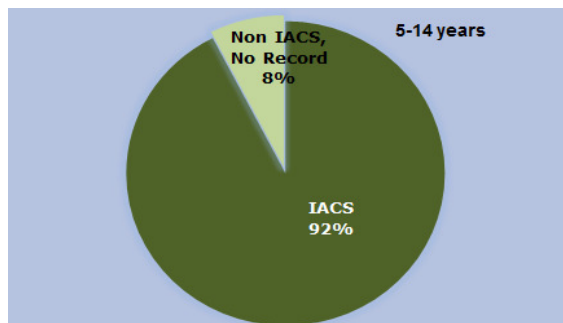
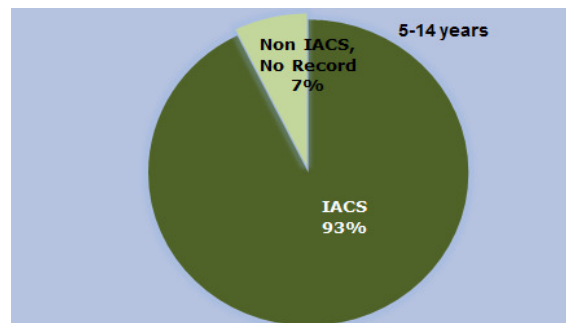
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	644	23.1%	43	18.9%	687	22.8%
Ro-Ro Cargo Ships	121	4.3%	2	0.9%	123	4.1%
Bulk Carriers	807	29.0%	50	21.9%	857	28.4%
Oil and Chemical Tankers	897	32.2%	98	43.0%	995	33.0%
Gas Tankers	218	7.8%	20	8.8%	238	7.9%
Other Tankers						
Passenger Ships	71	2.5%	11	4.8%	82	2.7%
Offshore Vessels	28	1.0%	4	1.8%	32	1.1%
Service Ships						
Tugs						
Total	2,786	100%	228	100%	3,014	100%

Source: Equasis - IACS membership on 31/12/2015

Table 46 - Gross tonnage (in 1000 gt) of 5-14 years old very large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	59,968	21.8%	3,632	16.7%	63,600	21.4%
Ro-Ro Cargo Ships	7,730	2.8%	141	0.6%	7,871	2.6%
Bulk Carriers	76,778	27.9%	4,493	20.6%	81,271	27.3%
Oil and Chemical Tankers	97,075	35.3%	9,537	43.8%	106,612	35.9%
Gas Tankers	24,239	8.8%	2,242	10.3%	26,481	8.9%
Other Tankers						
Passenger Ships	7,423	2.7%	1,099	5.0%	8,522	2.9%
Offshore Vessels	2,159	0.8%	652	3.0%	2,811	0.9%
Service Ships						
Tugs						
Total	275,372	100%	21,796	100%	297,168	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 44 - Total number of 5-14 years old very large ships, by class**Graph 45 - Gross tonnage of 5-14 years old very large ships, by class**

15-24 YEARS OLD SHIPS

Table 47 - World fleet GT≥500: total number of 15-24 years old ships, by type and class

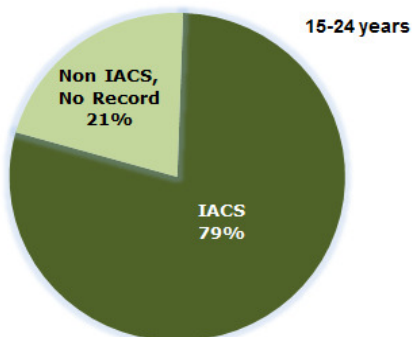
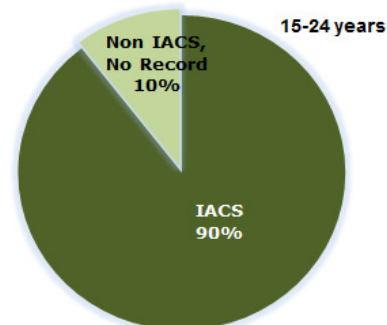
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,687	21.8%	691	33.3%	2,378	24.2%
Specialized Cargo Ships	26	0.3%	3	0.1%	29	0.3%
Container Ships	1,144	14.8%	147	7.1%	1,291	13.1%
Ro-Ro Cargo Ships	292	3.8%	56	2.7%	348	3.5%
Bulk Carriers	1,573	20.3%	134	6.4%	1,707	17.4%
Oil and Chemical Tankers	1,527	19.7%	408	19.6%	1,935	19.7%
Gas Tankers	350	4.5%	28	1.3%	378	3.9%
Other Tankers	45	0.6%	19	0.9%	64	0.7%
Passenger Ships	411	5.3%	364	17.5%	775	7.9%
Offshore Vessels	381	4.9%	67	3.2%	448	4.6%
Service Ships	231	3.0%	142	6.8%	373	3.8%
Tugs	73	0.9%	19	0.9%	92	0.9%
Total	7,740	100%	2,078	100%	9,818	100%

Source: Equasis - IACS membership on 31/12/2015

Table 48 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships 15-24 years old, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	10,634	6.1%	2,124	10.4%	12,758	6.6%
Specialized Cargo Ships	513	0.3%	24	0.1%	537	0.3%
Container Ships	29,980	17.2%	2,023	9.9%	32,003	16.4%
Ro-Ro Cargo Ships	8,717	5.0%	1,110	5.4%	9,827	5.0%
Bulk Carriers	54,836	31.5%	3,452	16.9%	58,288	29.9%
Oil and Chemical Tankers	46,412	26.6%	7,324	35.9%	53,736	27.6%
Gas Tankers	8,195	4.7%	363	1.8%	8,558	4.4%
Other Tankers	165	0.1%	44	0.2%	209	0.1%
Passenger Ships	8,227	4.7%	2,424	11.9%	10,651	5.5%
Offshore Vessels	4,950	2.8%	1,219	6.0%	6,169	3.2%
Service Ships	1,592	0.9%	295	1.4%	1,887	1.0%
Tugs	61	0.0%	19	0.1%	80	0.0%
Total	174,282	100%	20,421	100%	194,703	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 46 - World fleet GT≥500: total number of 15-24 years old ships, by class**Graph 47 - World fleet GT≥500: gross tonnage of 15-24 years old of ships, by class**

15-24 YEARS OLD MEDIUM SIZED SHIPS

Table 49 - Total number of 15-24 years old medium sized⁽¹⁾ ships, by type and class

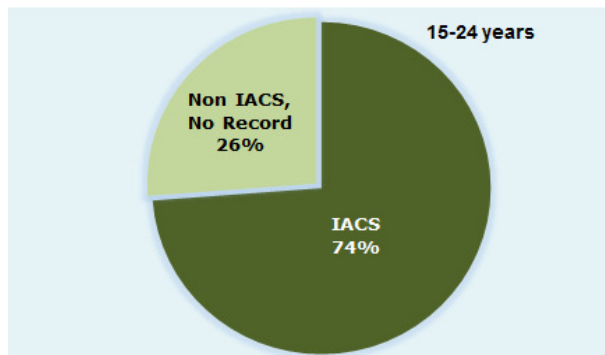
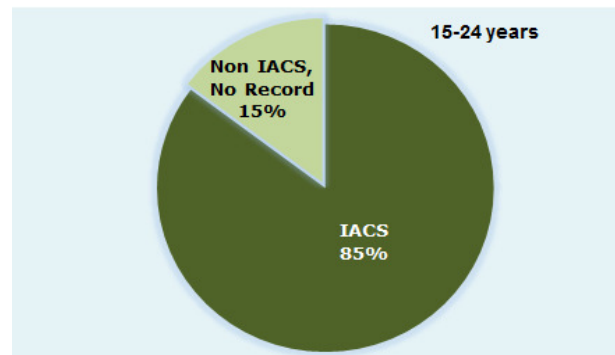
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,626	31.1%	689	37.1%	2,315	32.6%
Specialized Cargo Ships	17	0.3%	3	0.2%	20	0.3%
Container Ships	706	13.5%	122	6.6%	828	11.7%
Ro-Ro Cargo Ships	148	2.8%	44	2.4%	192	2.7%
Bulk Carriers	548	10.5%	69	3.7%	617	8.7%
Oil and Chemical Tankers	974	18.6%	326	17.6%	1,300	18.3%
Gas Tankers	259	4.9%	26	1.4%	285	4.0%
Other Tankers	44	0.8%	19	1.0%	63	0.9%
Passenger Ships	283	5.4%	343	18.5%	626	8.8%
Offshore Vessels	333	6.4%	55	3.0%	388	5.5%
Service Ships	224	4.3%	142	7.6%	366	5.2%
Tugs	73	1.4%	19	1.0%	92	1.3%
Total	5,235	100%	1,857	100%	7,092	100%

Source: Equasis - IACS membership on 31/12/2015

Table 50 - Gross tonnage (in 1000 gt) of 15-24 years old medium sized⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	8,714	22.2%	2,070	30.5%	10,784	23.4%
Specialized Cargo Ships	132	0.3%	24	0.4%	156	0.3%
Container Ships	8,786	22.4%	886	13.0%	9,672	21.0%
Ro-Ro Cargo Ships	1,632	4.2%	407	6.0%	2,039	4.4%
Bulk Carriers	7,742	19.7%	406	6.0%	8,148	17.7%
Oil and Chemical Tankers	6,798	17.3%	1,252	18.4%	8,050	17.5%
Gas Tankers	1,354	3.4%	165	2.4%	1,519	3.3%
Other Tankers	136	0.3%	44	0.6%	180	0.4%
Passenger Ships	1,914	4.9%	1,096	16.1%	3,010	6.5%
Offshore Vessels	905	2.3%	131	1.9%	1,036	2.2%
Service Ships	1,103	2.8%	295	4.3%	1,398	3.0%
Tugs	61	0.2%	19	0.3%	80	0.2%
Total	39,277	100%	6,795	100%	46,072	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 48 - Total number of 15-24 years old medium sized ships, by class**Graph 49 - Gross tonnage of 15-24 years old medium sized ships, by class**

15-24 YEARS OLD LARGE SHIPS

Table 51 - Total number of 15-24 years old large⁽¹⁾ ships, by type and class

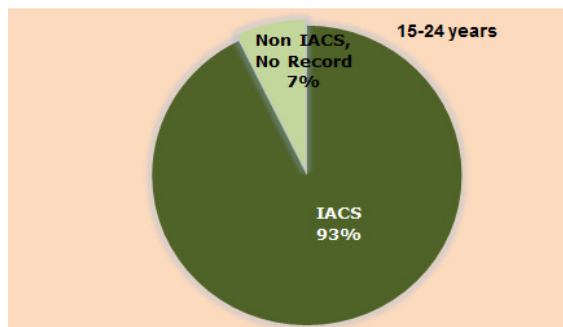
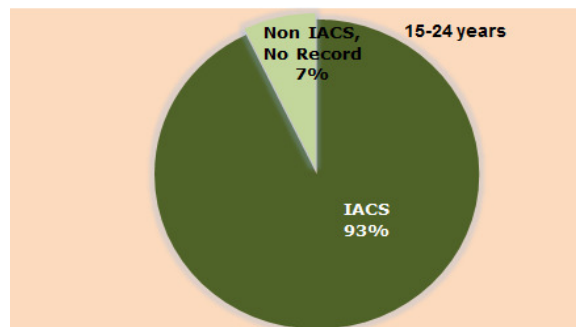
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	61	3.4%	2	1.4%	63	3.2%
Specialized Cargo Ships	9	0.5%			9	0.5%
Container Ships	287	15.8%	17	12.0%	304	15.6%
Ro-Ro Cargo Ships	130	7.2%	8	5.6%	138	7.1%
Bulk Carriers	837	46.2%	54	38.0%	891	45.6%
Oil and Chemical Tankers	328	18.1%	49	34.5%	377	19.3%
Gas Tankers	43	2.4%			43	2.2%
Other Tankers	1	0.1%			1	0.1%
Passenger Ships	92	5.1%	7	4.9%	99	5.1%
Offshore Vessels	19	1.0%	5	3.5%	24	1.2%
Service Ships	5	0.3%			5	0.3%
Tugs						
Total	1,812	100%	142	100%	1,954	100%

Source: Equasis - IACS membership on 31/12/2015

Table 52 - Gross tonnage (in 1000 gt) of 15-24 years old large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,920	2.9%	54	1.0%	1,974	2.8%
Specialized Cargo Ships	381	0.6%			381	0.5%
Container Ships	10,428	15.7%	559	10.9%	10,987	15.3%
Ro-Ro Cargo Ships	6,126	9.2%	433	8.4%	6,559	9.1%
Bulk Carriers	28,288	42.5%	1,794	34.8%	30,082	41.9%
Oil and Chemical Tankers	13,253	19.9%	1,825	35.4%	15,078	21.0%
Gas Tankers	1,888	2.8%			1,888	2.6%
Other Tankers	29	0.0%			29	0.0%
Passenger Ships	3,246	4.9%	251	4.9%	3,497	4.9%
Offshore Vessels	848	1.3%	235	4.6%	1,083	1.5%
Service Ships	187	0.3%			187	0.3%
Tugs						
Total	66,594	100%	5,151	100%	71,745	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 50 - Total number of 15-24 years old large ships, by class**Graph 51 - Gross tonnage of 15-24 years old large ships, by class**

15-24 YEARS OLD VERY LARGE SHIPS

Table 53 - Total number of 15-24 years old very large⁽¹⁾ ships, by type and class

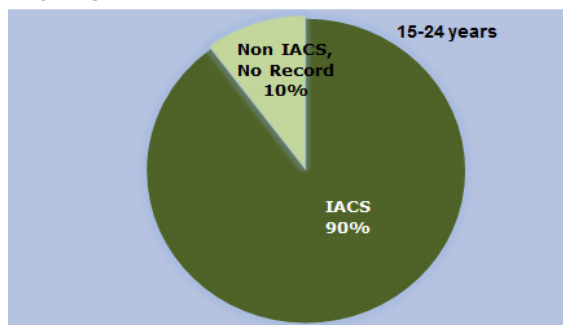
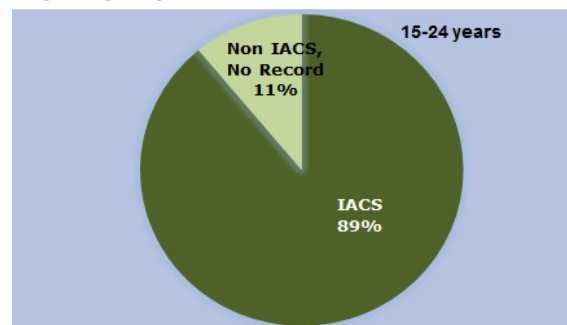
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	151	21.8%	8	10.1%	159	20.6%
Ro-Ro Cargo Ships	14	2.0%	4	5.1%	18	2.3%
Bulk Carriers	188	27.1%	11	13.9%	199	25.8%
Oil and Chemical Tankers	225	32.5%	33	41.8%	258	33.4%
Gas Tankers	48	6.9%	2	2.5%	50	6.5%
Other Tankers						
Passenger Ships	36	5.2%	14	17.7%	50	6.5%
Offshore Vessels	29	4.2%	7	8.9%	36	4.7%
Service Ships	2	0.3%			2	0.3%
Tugs						
Total	693	100%	79	100%	772	100%

Source: Equasis - IACS membership on 31/12/2015

Table 54 - Gross tonnage (in 1000 gt) of 15-24 years old very large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	10,766	15.7%	578	6.8%	11,344	14.8%
Ro-Ro Cargo Ships	959	1.4%	270	3.2%	1,229	1.6%
Bulk Carriers	18,806	27.5%	1,252	14.8%	20,058	26.1%
Oil and Chemical Tankers	26,361	38.5%	4,247	50.1%	30,608	39.8%
Gas Tankers	4,953	7.2%	198	2.3%	5,151	6.7%
Other Tankers						
Passenger Ships	3,067	4.5%	1,077	12.7%	4,144	5.4%
Offshore Vessels	3,197	4.7%	853	10.1%	4,050	5.3%
Service Ships	302	0.4%			302	0.4%
Tugs						
Total	68,411	100%	8,475	100%	76,886	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 52 - Total number of 15-24 years old very large ships, by class**Graph 53 - Gross tonnage of 15-24 years old very large ships, by class**

25+ YEARS OLD SHIPS

Table 55 - World fleet GT≥500: total number of 25+ years old ships, by type and class

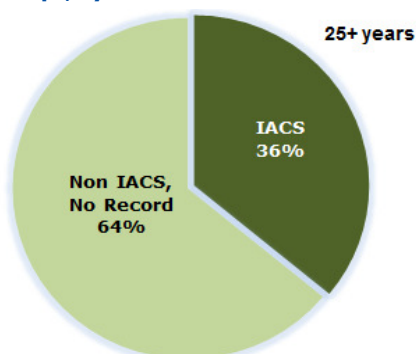
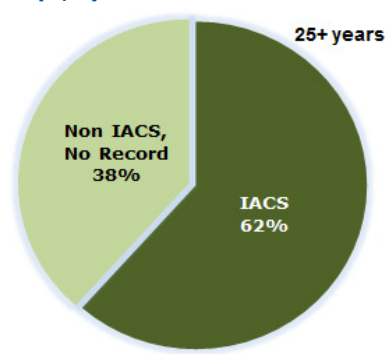
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,430	28.7%	3,765	42.4%	5,195	37.5%
Specialized Cargo Ships	75	1.5%	77	0.9%	152	1.1%
Container Ships	119	2.4%	95	1.1%	214	1.5%
Ro-Ro Cargo Ships	172	3.4%	187	2.1%	359	2.6%
Bulk Carriers	415	8.3%	427	4.8%	842	6.1%
Oil and Chemical Tankers	509	10.2%	1,452	16.4%	1,961	14.1%
Gas Tankers	145	2.9%	180	2.0%	325	2.3%
Other Tankers	61	1.2%	154	1.7%	215	1.6%
Passenger Ships	441	8.8%	850	9.6%	1,291	9.3%
Offshore Vessels	875	17.5%	665	7.5%	1,540	11.1%
Service Ships	526	10.5%	773	8.7%	1,299	9.4%
Tugs	218	4.4%	249	2.8%	467	3.4%
Total	4,986	100%	8,874	100%	13,860	100%

Source: Equasis - IACS membership on 31/12/2015

Table 56 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships 25+ years old, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	6,216	14.0%	8,711	31.4%	14,927	20.7%
Specialized Cargo Ships	1,640	3.7%	367	1.3%	2,007	2.8%
Container Ships	2,819	6.3%	627	2.3%	3,446	4.8%
Ro-Ro Cargo Ships	3,416	7.7%	1,344	4.8%	4,760	6.6%
Bulk Carriers	7,811	17.6%	5,449	19.6%	13,260	18.4%
Oil and Chemical Tankers	3,243	7.3%	4,160	15.0%	7,403	10.3%
Gas Tankers	3,506	7.9%	898	3.2%	4,404	6.1%
Other Tankers	80	0.2%	169	0.6%	249	0.3%
Passenger Ships	5,208	11.7%	2,398	8.6%	7,606	10.5%
Offshore Vessels	8,324	18.7%	1,747	6.3%	10,071	13.9%
Service Ships	1,969	4.4%	1,686	6.1%	3,655	5.1%
Tugs	215	0.5%	210	0.8%	425	0.6%
Total	44,447	100%	27,766	100%	72,213	100%

Source: Equasis - IACS membership on 31/12/2015

Graph 54 - World fleet GT≥500: total number of 25+ years old ships, by class**Graph 55 - World fleet GT≥500: gross tonnage of 25+ years old of ships, by class**

25+ YEARS OLD MEDIUM SIZED SHIPS

Table 57 - Total number of 25+ years old medium sized⁽¹⁾ ships, by type and class

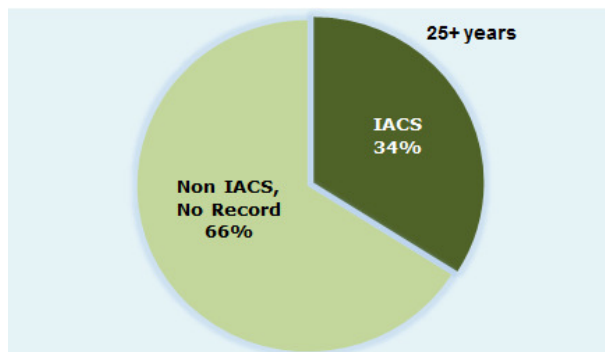
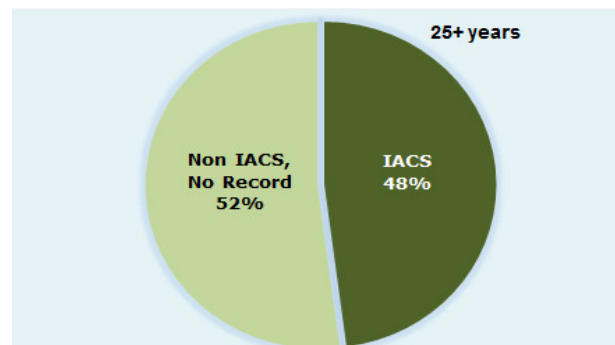
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,405	31.2%	3,763	43.0%	5,168	39.0%
Specialized Cargo Ships	40	0.9%	74	0.8%	114	0.9%
Container Ships	70	1.6%	95	1.1%	165	1.2%
Ro-Ro Cargo Ships	119	2.6%	181	2.1%	300	2.3%
Bulk Carriers	317	7.0%	368	4.2%	685	5.2%
Oil and Chemical Tankers	474	10.5%	1,434	16.4%	1,908	14.4%
Gas Tankers	101	2.2%	174	2.0%	275	2.1%
Other Tankers	61	1.4%	154	1.8%	215	1.6%
Passenger Ships	377	8.4%	838	9.6%	1,215	9.2%
Offshore Vessels	804	17.8%	654	7.5%	1,458	11.0%
Service Ships	521	11.6%	768	8.8%	1,289	9.7%
Tugs	218	4.8%	249	2.8%	467	3.5%
Total	4,507	100%	8,752	100%	13,259	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Table 58 - Gross tonnage (in 1000 gt) of 25+ years old medium sized⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	5,506	27.1%	8,656	39.3%	14,162	33.5%
Specialized Cargo Ships	381	1.9%	258	1.2%	639	1.5%
Container Ships	910	4.5%	627	2.8%	1,537	3.6%
Ro-Ro Cargo Ships	1,161	5.7%	1,037	4.7%	2,198	5.2%
Bulk Carriers	3,500	17.3%	3,113	14.1%	6,613	15.6%
Oil and Chemical Tankers	1,922	9.5%	3,460	15.7%	5,382	12.7%
Gas Tankers	616	3.0%	359	1.6%	975	2.3%
Other Tankers	80	0.4%	169	0.8%	249	0.6%
Passenger Ships	2,786	13.7%	1,888	8.6%	4,674	11.0%
Offshore Vessels	1,531	7.5%	792	3.6%	2,323	5.5%
Service Ships	1,674	8.3%	1,453	6.6%	3,127	7.4%
Tugs	215	1.1%	210	1.0%	425	1.0%
Total	20,282	100%	22,022	100%	42,304	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Graph 56 - Total number of 25+ years old medium sized ships, by class**Graph 57 - Gross tonnage of 25+ years old medium sized ships, by class**

25+ YEARS OLD LARGE SHIPS

Table 59 - Total number of 25+ years old large⁽¹⁾ ships, by type and class

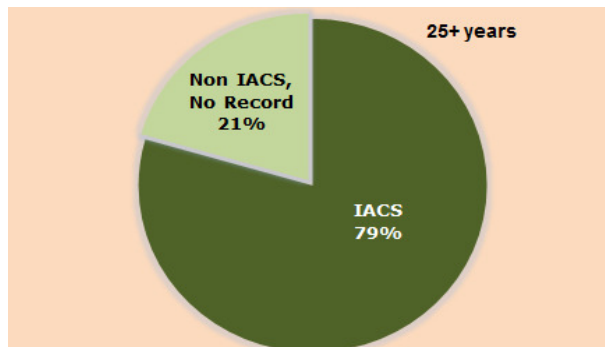
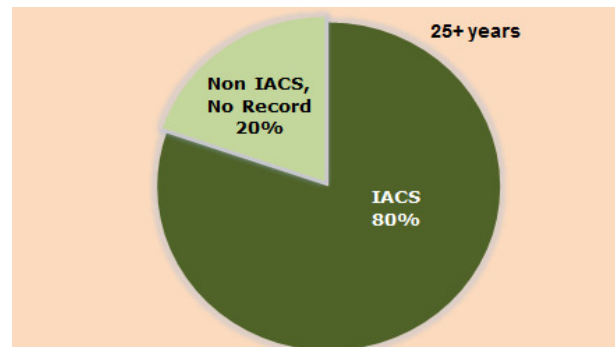
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	25	6.4%	2	2.0%	27	5.5%
Specialized Cargo Ships	35	9.0%	3	3.0%	38	7.7%
Container Ships	49	12.5%			49	10.0%
Ro-Ro Cargo Ships	53	13.6%	6	5.9%	59	12.0%
Bulk Carriers	89	22.8%	56	55.4%	145	29.5%
Oil and Chemical Tankers	30	7.7%	17	16.8%	47	9.6%
Gas Tankers	24	6.1%			24	4.9%
Other Tankers						
Passenger Ships	60	15.3%	9	8.9%	69	14.0%
Offshore Vessels	23	5.9%	4	4.0%	27	5.5%
Service Ships	3	0.8%	4	4.0%	7	1.4%
Tugs						
Total	391	100%	101	100%	492	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Table 60 - Gross tonnage (in 1000 gt) of 25+ years old large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	710	4.9%	55	1.5%	765	4.2%
Specialized Cargo Ships	1,259	8.6%	109	3.0%	1,368	7.5%
Container Ships	1,909	13.1%			1,909	10.5%
Ro-Ro Cargo Ships	2,255	15.4%	307	8.5%	2,562	14.1%
Bulk Carriers	3,209	22.0%	1,872	52.1%	5,081	27.9%
Oil and Chemical Tankers	956	6.5%	625	17.4%	1,581	8.7%
Gas Tankers	1,049	7.2%			1,049	5.8%
Other Tankers						
Passenger Ships	2,140	14.7%	299	8.3%	2,439	13.4%
Offshore Vessels	1,034	7.1%	163	4.5%	1,197	6.6%
Service Ships	82	0.6%	162	4.5%	244	1.3%
Tugs						
Total	14,603	100%	3,592	100%	18,195	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Graph 58 - Total number of 25+ years old large ships, by class**Graph 59 - Gross tonnage of 25+ years old large ships, by class**

25+ YEARS OLD VERY LARGE SHIPS

Table 61 - Total number of 25+ years old very large⁽¹⁾ ships, by type and class

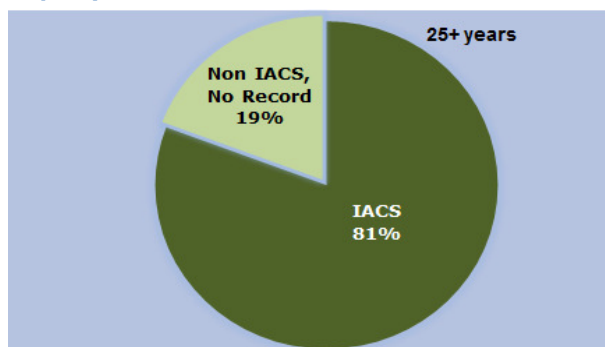
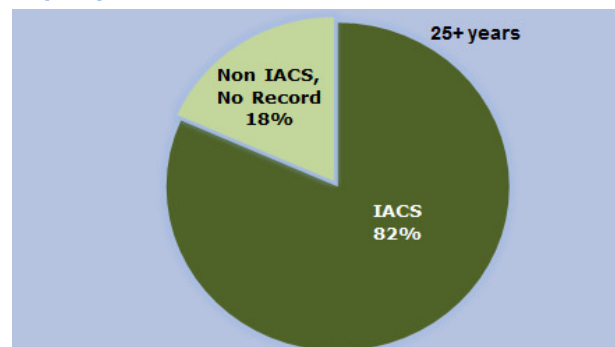
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships						
Bulk Carriers	9	10.2%	3	14.3%	12	11.0%
Oil and Chemical Tankers	5	5.7%	1	4.8%	6	5.5%
Gas Tankers	20	22.7%	6	28.6%	26	23.9%
Other Tankers						
Passenger Ships	4	4.5%	3	14.3%	7	6.4%
Offshore Vessels	48	54.5%	7	33.3%	55	50.5%
Service Ships	2	2.3%	1	4.8%	3	2.8%
Tugs						
Total	88	100%	21	100%	109	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Table 62 - Gross tonnage (in 1000 gt) of 25+ years old very large⁽¹⁾ ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships						
Bulk Carriers	1,102	11.5%	464	21.6%	1,566	13.4%
Oil and Chemical Tankers	365	3.8%	75	3.5%	440	3.8%
Gas Tankers	1,841	19.3%	539	25.0%	2,380	20.3%
Other Tankers						
Passenger Ships	282	2.9%	211	9.8%	493	4.2%
Offshore Vessels	5,759	60.2%	792	36.8%	6,551	55.9%
Service Ships	213	2.2%	71	3.3%	284	2.4%
Tugs						
Total	9,562	100%	2,152	100%	11,714	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Graph 60 - Total number of 25+ years old very large ships, by class**Graph 61 - Gross tonnage of 25+ years old very large ships, by class**

3.3. CLASS STATUS AND FLAG

WORLD FLEET GT≥500

Table 63 - World fleet GT≥500: total number of ships by type, class and flag

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	2,534	19.8%	3,012	45.5%	5,546	3,439	13.1%	2,966	31.6%	6,405
Specialized Cargo Ships	45	0.4%	63	1.0%	108	137	0.5%	34	0.4%	171
Container Ships	1,469	11.5%	220	3.3%	1,689	3,119	11.9%	350	3.7%	3,469
Ro-Ro Cargo Ships	409	3.2%	126	1.9%	535	776	2.9%	148	1.6%	924
Bulk Carriers	3,995	31.3%	512	7.7%	4,507	5,360	20.4%	1,112	11.8%	6,472
Oil and Chemical Tankers	2,254	17.6%	1,322	20.0%	3,576	5,869	22.3%	1,422	15.1%	7,291
Gas Tankers	387	3.0%	138	2.1%	525	1,063	4.0%	180	1.9%	1,243
Other Tankers	90	0.7%	99	1.5%	189	236	0.9%	120	1.3%	356
Passenger Ships	280	2.2%	542	8.2%	822	1,075	4.1%	1,115	11.9%	2,190
Offshore Vessels	1,032	8.1%	288	4.4%	1,320	3,618	13.7%	682	7.3%	4,300
Service Ships	189	1.5%	245	3.7%	434	1,075	4.1%	963	10.3%	2,038
Tugs	92	0.7%	50	0.8%	142	547	2.1%	298	3.2%	845
Total	12,776	100%	6,617	100%	19,393	26,314	100%	9,390	100%	35,704

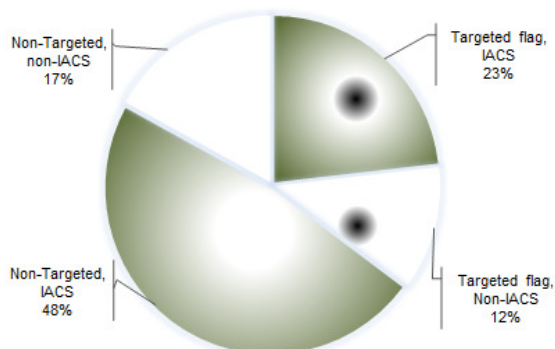
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Table 64 - World fleet GT≥500: gross tonnage (in 1000 gt) of ships by type, class and flag

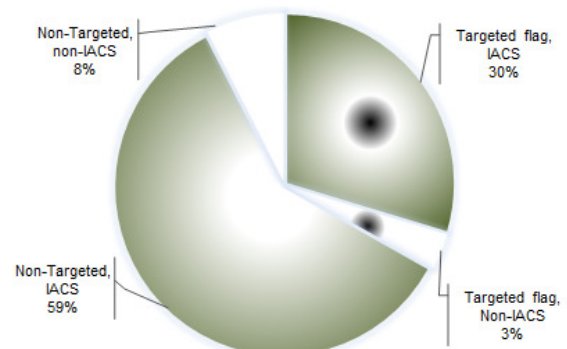
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	16,420	4.6%	7,590	18.2%	24,010	24,993	3.5%	8,069	8.9%	33,062
Specialized Cargo Ships	817	0.2%	312	0.7%	1,129	2,843	0.4%	407	0.4%	3,250
Container Ships	56,909	16.0%	3,986	9.6%	60,895	142,913	20.0%	12,957	14.3%	155,870
Ro-Ro Cargo Ships	16,937	4.8%	794	1.9%	17,731	28,306	4.0%	2,580	2.8%	30,886
Bulk Carriers	161,614	45.4%	10,936	26.2%	172,550	223,640	31.4%	25,147	27.7%	248,787
Oil and Chemical Tankers	77,244	21.7%	11,834	28.4%	89,078	194,741	27.3%	23,429	25.8%	218,170
Gas Tankers	12,181	3.4%	1,440	3.5%	13,621	41,876	5.9%	6,268	6.9%	48,144
Other Tankers	351	0.1%	133	0.3%	484	993	0.1%	168	0.2%	1,161
Passenger Ships	6,649	1.9%	2,417	5.8%	9,066	21,514	3.0%	5,986	6.6%	27,500
Offshore Vessels	5,706	1.6%	1,387	3.3%	7,093	25,480	3.6%	3,312	3.6%	28,792
Service Ships	1,232	0.3%	851	2.0%	2,083	5,278	0.7%	2,294	2.5%	7,572
Tugs	88	0.0%	44	0.1%	132	582	0.1%	266	0.3%	848
Total	356,148	100%	41,724	100%	397,872	713,159	100%	90,883	100%	804,042

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2015

Graph 62 - Total number of ships GT≥500, by class and flag



Graph 63 - Gross tonnage of ships GT≥500, by class and flag



MEDIUM SIZED SHIPS

Table 65 - Total number of medium sized⁽¹⁾ ships by type, class and flag

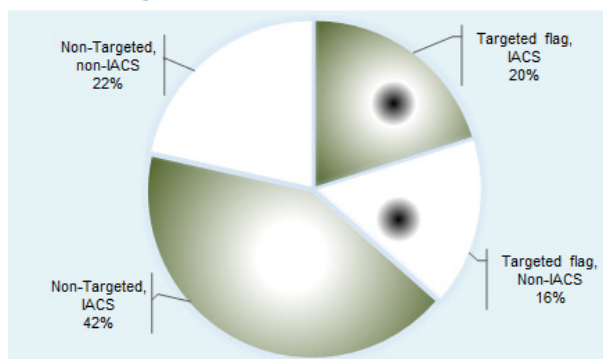
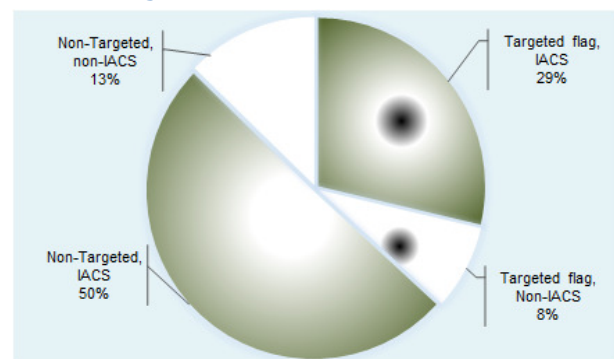
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	2,496	32.3%	3,010	48.2%	5,506	3,266	20.3%	2,957	35.8%	6,223
Specialized Cargo Ships	30	0.4%	60	1.0%	90	91	0.6%	30	0.4%	121
Container Ships	746	9.7%	195	3.1%	941	1,142	7.1%	186	2.2%	1,328
Ro-Ro Cargo Ships	103	1.3%	122	2.0%	225	306	1.9%	114	1.4%	420
Bulk Carriers	1,254	16.2%	350	5.6%	1,604	1,508	9.4%	658	8.0%	2,166
Oil and Chemical Tankers	1,308	16.9%	1,186	19.0%	2,494	3,144	19.5%	1,111	13.4%	4,255
Gas Tankers	246	3.2%	126	2.0%	372	621	3.9%	103	1.2%	724
Other Tankers	88	1.1%	99	1.6%	187	231	1.4%	120	1.5%	351
Passenger Ships	200	2.6%	527	8.4%	727	778	4.8%	1,072	13.0%	1,850
Offshore Vessels	985	12.7%	277	4.4%	1,262	3,415	21.2%	662	8.0%	4,077
Service Ships	182	2.4%	243	3.9%	425	1,059	6.6%	957	11.6%	2,016
Tugs	92	1.2%	50	0.8%	142	547	3.4%	298	3.6%	845
Total	7,730	100%	6,245	100%	13,975	16,108	100%	8,268	100%	24,376

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Table 66 - Gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships by type, class and flag

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	15,228	23.9%	7,539	41.8%	22,767	19,244	17.2%	7,834	27.7%	27,078
Specialized Cargo Ships	282	0.4%	203	1.1%	485	998	0.9%	236	0.8%	1,234
Container Ships	8,906	14.0%	1,294	7.2%	10,200	14,828	13.2%	1,543	5.5%	16,371
Ro-Ro Cargo Ships	1,146	1.8%	661	3.7%	1,807	3,669	3.3%	821	2.9%	4,490
Bulk Carriers	21,350	33.5%	2,245	12.4%	23,595	25,530	22.8%	6,548	23.1%	32,078
Oil and Chemical Tankers	9,913	15.6%	3,304	18.3%	13,217	23,453	20.9%	4,004	14.2%	27,457
Gas Tankers	1,761	2.8%	372	2.1%	2,133	3,834	3.4%	681	2.4%	4,515
Other Tankers	295	0.5%	133	0.7%	428	833	0.7%	168	0.6%	1,001
Passenger Ships	1,458	2.3%	1,380	7.7%	2,838	4,751	4.2%	3,075	10.9%	7,826
Offshore Vessels	2,459	3.9%	446	2.5%	2,905	9,789	8.7%	1,091	3.9%	10,880
Service Ships	758	1.2%	414	2.3%	1,172	4,548	4.1%	2,026	7.2%	6,574
Tugs	88	0.1%	44	0.2%	132	582	0.5%	266	0.9%	848
Total	63,644	100%	18,035	100%	81,679	112,059	100%	28,293	100%	140,352

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2015

Graph 64 - Total number of medium sized ships, by class and flag**Graph 65 - Gross tonnage of medium sized ships, by class and flag**

LARGE SHIPS

Table 67 - Total number of large⁽¹⁾ ships by type, class and flag

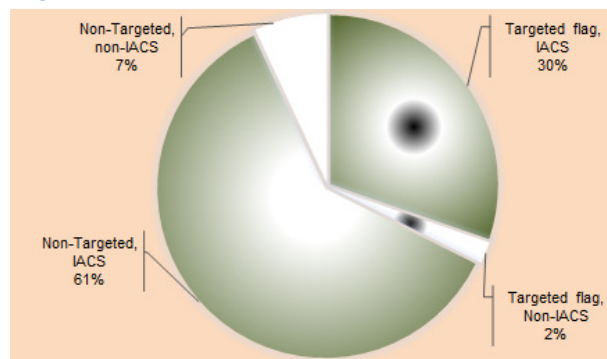
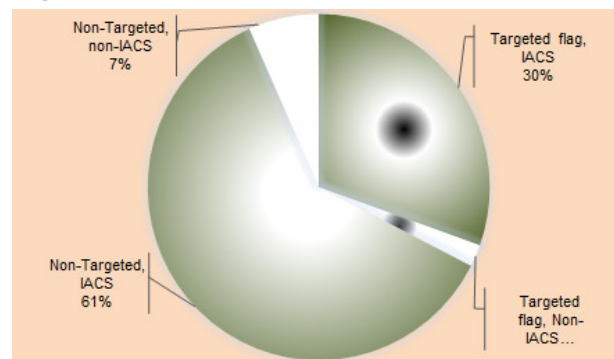
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	38	1.1%	2	0.9%	40	173	2.5%	9	1.1%	182
Specialized Cargo Ships	15	0.4%	3	1.3%	18	44	0.6%	3	0.4%	47
Container Ships	382	11.2%	7	3.0%	389	1,137	16.6%	79	10.0%	1,216
Ro-Ro Cargo Ships	236	6.9%	4	1.7%	240	348	5.1%	25	3.2%	373
Bulk Carriers	2,067	60.4%	115	49.6%	2,182	3,005	43.8%	409	51.6%	3,414
Oil and Chemical Tankers	540	15.8%	85	36.6%	625	1,696	24.7%	196	24.7%	1,892
Gas Tankers	71	2.1%	3	1.3%	74	158	2.3%	43	5.4%	201
Other Tankers	2	0.1%			2	5	0.1%			5
Passenger Ships	41	1.2%	7	3.0%	48	206	3.0%	18	2.3%	224
Offshore Vessels	25	0.7%	5	2.2%	30	77	1.1%	5	0.6%	82
Service Ships	5	0.1%	1	0.4%	6	14	0.2%	5	0.6%	19
Tugs										
Total	3,422	100%	232	100%	3,654	6,863	100%	792	100%	7,655

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2015

Table 68 - Gross tonnage (in 1000 gt) of large⁽¹⁾ ships by type, class and flag

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,192	0.9%	51	0.6%	1,243	5,749	2.2%	235	0.8%	5,984
Specialized Cargo Ships	535	0.4%	109	1.2%	644	1,692	0.7%	104	0.4%	1,796
Container Ships	14,414	11.1%	249	2.8%	14,663	44,312	17.1%	3,024	10.7%	47,336
Ro-Ro Cargo Ships	11,224	8.6%	133	1.5%	11,357	16,563	6.4%	1,131	4.0%	17,694
Bulk Carriers	76,367	58.7%	4,278	48.5%	80,645	111,738	43.0%	14,062	49.6%	125,800
Oil and Chemical Tankers	20,425	15.7%	3,372	38.2%	23,797	61,107	23.5%	6,885	24.3%	67,992
Gas Tankers	3,224	2.5%	144	1.6%	3,368	6,937	2.7%	1,833	6.5%	8,770
Other Tankers	56	0.0%			56	160	0.1%			160
Passenger Ships	1,360	1.0%	219	2.5%	1,579	7,445	2.9%	653	2.3%	8,098
Offshore Vessels	1,089	0.8%	229	2.6%	1,318	3,598	1.4%	226	0.8%	3,824
Service Ships	170	0.1%	33	0.4%	203	518	0.2%	197	0.7%	715
Tugs										
Total	130,056	100%	8,817	100%	138,873	259,819	100%	28,350	100%	288,169

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2015

Graph 66 - Total number of large ships, by class and flag**Graph 67 - Gross tonnage of large ships, by class and flag**

VERY LARGE SHIPS

Table 69 - Total number of very large⁽¹⁾ ships by type, class and flag

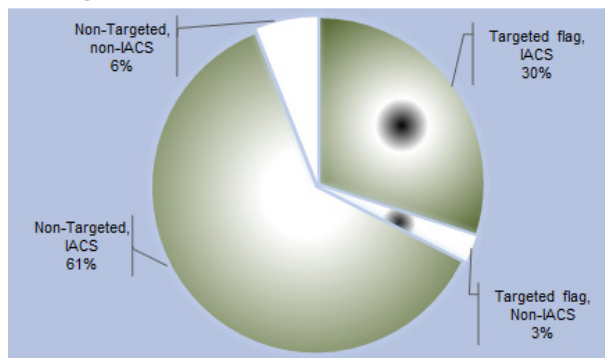
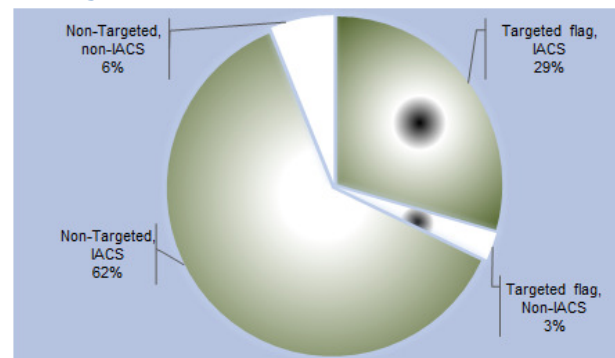
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						2	0.1%	1	0.3%	3
Container Ships	341	21.0%	18	12.9%	359	840	25.1%	85	25.8%	925
Ro-Ro Cargo Ships	70	4.3%			70	122	3.6%	9	2.7%	131
Bulk Carriers	674	41.5%	47	33.6%	721	847	25.3%	45	13.6%	892
Oil and Chemical Tankers	406	25.0%	51	36.4%	457	1,029	30.8%	115	34.8%	1,144
Gas Tankers	70	4.3%	9	6.4%	79	284	8.5%	34	10.3%	318
Other Tankers										
Passenger Ships	39	2.4%	8	5.7%	47	91	2.7%	25	7.6%	116
Offshore Vessels	22	1.4%	6	4.3%	28	126	3.8%	15	4.5%	141
Service Ships	2	0.1%	1	0.7%	3	2	0.1%	1	0.3%	3
Tugs										
Total	1,624	100%	140	100%	1,764	3,343	100%	330	100%	3,673

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2015

Table 70 - Gross tonnage (in 1000 gt) of very large⁽¹⁾ ships by type, class and flag

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						153	0.0%	67	0.2%	220
Container Ships	33,589	20.7%	2,443	16.4%	36,032	83,773	24.5%	8,390	24.5%	92,163
Ro-Ro Cargo Ships	4,567	2.8%			4,567	8,074	2.4%	628	1.8%	8,702
Bulk Carriers	63,897	39.3%	4,413	29.7%	68,310	86,372	25.3%	4,537	13.3%	90,909
Oil and Chemical Tankers	46,906	28.9%	5,158	34.7%	52,064	110,181	32.3%	12,540	36.6%	122,721
Gas Tankers	7,196	4.4%	924	6.2%	8,120	31,105	9.1%	3,754	11.0%	34,859
Other Tankers										
Passenger Ships	3,831	2.4%	818	5.5%	4,649	9,318	2.7%	2,258	6.6%	11,576
Offshore Vessels	2,158	1.3%	712	4.8%	2,870	12,093	3.5%	1,995	5.8%	14,088
Service Ships	304	0.2%	404	2.7%	708	212	0.1%	71	0.2%	283
Tugs										
Total	162,448	100%	14,872	100%	177,320	341,281	100%	34,240	100%	375,521

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2015

Graph 68 - Total number of very large ships, by class and flag**Graph 69 - Gross tonnage of very large ships, by class and flag**

3.4. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 71 - World fleet GT≥500 detention rates^(*), by type and class - 2015

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.40%	9.32%	5.15%
Specialized Cargo Ships	3.68%	10.29%	5.63%
Container Ships	1.60%	3.27%	1.68%
Ro-Ro Cargo Ships	1.20%	3.78%	1.46%
Bulk Carriers	1.91%	4.08%	2.06%
Oil and Chemical Tankers	1.23%	2.55%	1.33%
Gas Tankers	1.81%	1.46%	1.78%
Other Tankers	3.67%	14.29%	4.70%
Passenger Ships	1.56%	2.59%	1.70%
Offshore Vessels	2.20%	5.05%	2.43%
Service Ships	1.14%	7.92%	2.40%
Tugs	2.78%	0.00%	2.48%
Total	2.03%	6.91%	2.64%

Source: Equasis - IACS membership on 31/12/2015 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

MEDIUM SIZED SHIPS

Table 72 - Medium sized⁽¹⁾ ships detention rates^(*), by type and class - 2015

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.59%	9.37%	5.36%
Specialized Cargo Ships	4.29%	10.53%	6.56%
Container Ships	2.15%	5.23%	2.28%
Ro-Ro Cargo Ships	1.98%	5.43%	3.17%
Bulk Carriers	2.19%	6.25%	2.60%
Oil and Chemical Tankers	1.38%	3.94%	1.57%
Gas Tankers	2.31%	2.27%	2.31%
Other Tankers	3.79%	14.29%	4.83%
Passenger Ships	3.02%	8.00%	3.58%
Offshore Vessels	2.26%	5.26%	2.51%
Service Ships	1.17%	8.00%	2.46%
Tugs	2.78%	0.00%	2.48%
Total	2.62%	8.39%	3.69%

Source: Equasis - IACS membership on 31/12/2015 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

LARGE SHIPS

Table 73 - Large⁽¹⁾ ships detention rates^(*), by type and class - 2015

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	0.14%	0.00%	0.13%
Specialized Cargo Ships	2.17%	0.00%	2.11%
Container Ships	1.67%	2.96%	1.73%
Ro-Ro Cargo Ships	1.36%	0.00%	1.30%
Bulk Carriers	1.80%	1.61%	1.79%
Oil and Chemical Tankers	1.00%	1.29%	1.03%
Gas Tankers	0.93%	0.00%	0.87%
Other Tankers	0.00%		0.00%
Passenger Ships	0.85%	0.00%	0.79%
Offshore Vessels	0.00%		0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.55%	1.48%	1.54%

Source: Equasis - IACS membership on 31/12/2015 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU and Caribbean MoU divided by total number of inspections

VERY LARGE SHIPS

Table 74 - Very large⁽¹⁾ ships detention rates^(*), by type and class - 2015

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.82%	1.91%	0.89%
Ro-Ro Cargo Ships	0.33%	3.33%	0.47%
Bulk Carriers	1.75%	2.47%	1.78%
Oil and Chemical Tankers	1.23%	2.07%	1.30%
Gas Tankers	0.83%	0.00%	0.75%
Other Tankers			
Passenger Ships	0.24%	0.00%	0.19%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Total	1.16%	1.73%	1.20%

Source: Equasis - IACS membership on 31/12/2015 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

Chapter 4

4. P&I

INTRODUCTION

Protection and Indemnity (P&I) Clubs provide third-party insurance cover to ship owners. Members of the International Group of P&I Clubs (IGP&I) and some non-IG P&I clubs provide to Equasis information on all of the vessels with IMO numbers insured by them.

There are thirteen separate and independent principal Clubs in the IGP&I. Some of the Clubs have affiliated and reinsured subsidiary associations:

- *American Steamship Owners Mutual Protection and Indemnity Association, Inc*
- *Assuranceforeningen Skuld*
- *Gard P&I (Bermuda) Ltd.¹*
- *The Britannia Steam Ship Insurance Association Limited*
- *The Japan Ship Owners' Mutual Protection & Indemnity Association*
- *The London Steam-Ship Owners' Mutual Insurance Association Limited*
- *The North of England Protecting & Indemnity Association Limited*
- *The Shipowners' Mutual Protection & Indemnity Association (Luxembourg)*
- *The Standard Club Ltd²*
- *The Steamship Mutual Underwriting Association (Bermuda) Limited*
- *The Swedish Club*

- *United Kingdom Mutual Steam Ship Assurance Association (Bermuda) Limited*
- *The West of England Ship Owners Mutual Insurance Association (Luxembourg)*

It should be noted that there is a significant number of small ships of less than 100GT entered in the IGP&I data but as explained in Chapter 1, small ships are not included in the statistics which follow.

The following tables show the proportion of the fleet, in each ship size and ship type, which is registered with the clubs in the IGP&I (column headed IGP&I), compared to the proportion of ships (column headed Non IGP&I) which are either:

- insured with a club which is not a member of the IGP&I,
- covered by commercial insurance for which information is not available,
- not covered by P&I insurance.

In Chapter 4.4 the fleet is analysed according to P&I and flag State status. Flag States are grouped in two categories, targeted and non-targeted, as explained in Chapter 1.

In Chapter 4.5 the detention rate of ships is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU), USCG, Viña del Mar MoU, Mediterranean MoU and Caribbean MoU.

RESULTS

Graph 70 indicates that for vessels over 500GT in Equasis, for which data has been supplied, 61% are covered by one of the

¹ Gard (Bermuda) Ltd only became a principal Association with effect from the 2011 policy year. Previously, the principal Association was Assuranceforeningen Gard.

² Since July 2012, "the Standard Steamship Owners Protection & Indemnity Association (Bermuda) Ltd" has changed its name to "The Standard Club Limited"

members of the IGP&I. This rises to 91% by tonnage.

Graphs 74 to 77 show that 94% of the large and 97% of the very large ship size categories are covered by the members of the IGP&I. Within the medium sized ship category just under a half (47%) are covered by number, which equates to 70% in tonnage.

Comparing Graph 78 with Graph 86 reveals that the age profile of ships covered by the members of the IGP&I is considerably younger than those which are not. About a quarter (22%) of the IGP&I fleet is under 5 years old and only 9% is over 25 years old. Of the younger fleet, over 70% (Table 83) are concentrated in bulk carriers (43.9%). This trend is more marked in the large size category of the younger fleet (67.3%). For non-IGP&I members the trend is reversed, as only 11% of the fleet is under 5 years old and 51% is over 25 years old, with 41.4% of the older fleet being general cargo ships (Table 91).

Table 107 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2015 compared to the one of those that are members (7.12% compared with 1.68%, respectively).

4.1. P&I STATUS

WORLD FLEET GT≥500

Table 75 - P&I world fleet GT≥500 status : total number of ships, by type

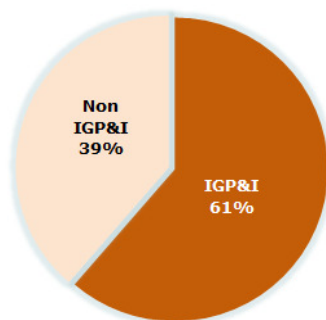
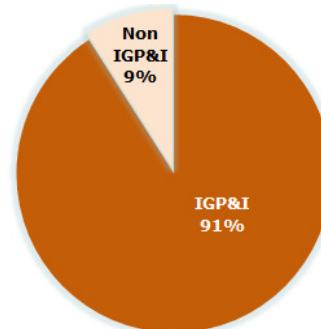
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	4,052	12.0%	7,899	37.1%	11,951	21.7%
Specialized Cargo Ships	161	0.5%	118	0.6%	279	0.5%
Container Ships	4,508	13.3%	650	3.1%	5,158	9.4%
Ro-Ro Cargo Ships	1,058	3.1%	401	1.9%	1,459	2.6%
Bulk Carriers	9,157	27.1%	1,822	8.6%	10,979	19.9%
Oil and Chemical Tankers	7,778	23.0%	3,089	14.5%	10,867	19.7%
Gas Tankers	1,362	4.0%	406	1.9%	1,768	3.2%
Other Tankers	252	0.7%	293	1.4%	545	1.0%
Passenger Ships	1,135	3.4%	1,877	8.8%	3,012	5.5%
Offshore Vessels	3,243	9.6%	2,377	11.2%	5,620	10.2%
Service Ships	672	2.0%	1,800	8.4%	2,472	4.5%
Tugs	413	1.2%	574	2.7%	987	1.8%
Total	33,791	100%	21,306	100%	55,097	100%

Source: Equasis

Table 76 - P&I world fleet GT≥500 status : gross tonnage (in 1000 gt) of ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	33,921	3.1%	23,149	21.2%	57,070	4.7%
Specialized Cargo Ships	3,516	0.3%	862	0.8%	4,378	0.4%
Container Ships	209,126	19.1%	7,639	7.0%	216,765	18.0%
Ro-Ro Cargo Ships	44,835	4.1%	3,782	3.5%	48,617	4.0%
Bulk Carriers	393,479	36.0%	27,857	25.5%	421,336	35.1%
Oil and Chemical Tankers	286,763	26.2%	20,487	18.8%	307,250	25.6%
Gas Tankers	58,808	5.4%	2,959	2.7%	61,767	5.1%
Other Tankers	1,220	0.1%	424	0.4%	1,644	0.1%
Passenger Ships	29,913	2.7%	6,654	6.1%	36,567	3.0%
Offshore Vessels	25,955	2.4%	9,929	9.1%	35,884	3.0%
Service Ships	4,806	0.4%	4,848	4.4%	9,654	0.8%
Tugs	461	0.0%	519	0.5%	980	0.1%
Total	1,092,803	100%	109,109	100%	1,201,912	100%

Source: Equasis

Graph 70 - Number of ships GT≥500, by P&I status**Graph 71 - Gross tonnage of ships GT≥500, by P&I status**

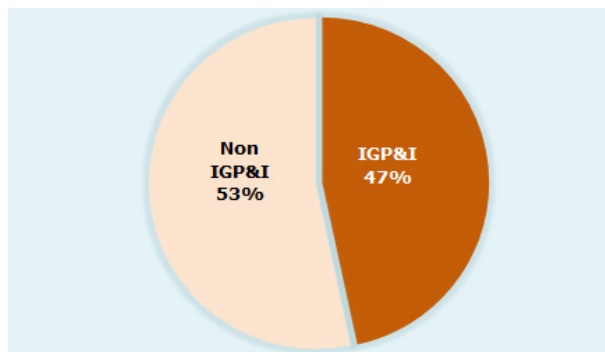
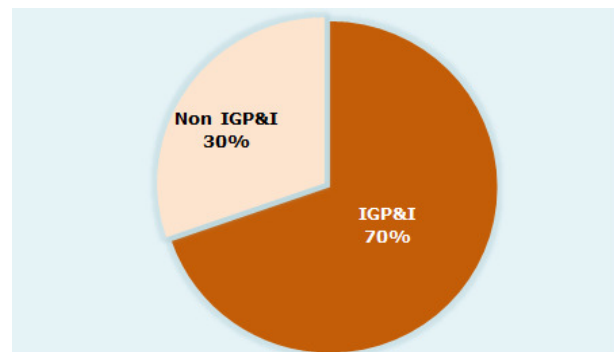
MEDIUM SIZED SHIPS

Table 77 - P&I status : total number of medium sized⁽¹⁾ ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	3,842	21.5%	7,887	38.5%	11,729	30.6%
Specialized Cargo Ships	100	0.6%	111	0.5%	211	0.6%
Container Ships	1,684	9.4%	585	2.9%	2,269	5.9%
Ro-Ro Cargo Ships	270	1.5%	375	1.8%	645	1.7%
Bulk Carriers	2,396	13.4%	1,374	6.7%	3,770	9.8%
Oil and Chemical Tankers	3,796	21.2%	2,953	14.4%	6,749	17.6%
Gas Tankers	721	4.0%	375	1.8%	1,096	2.9%
Other Tankers	245	1.4%	293	1.4%	538	1.4%
Passenger Ships	721	4.0%	1,856	9.1%	2,577	6.7%
Offshore Vessels	3,052	17.1%	2,287	11.2%	5,339	13.9%
Service Ships	647	3.6%	1,794	8.8%	2,441	6.4%
Tugs	413	2.3%	574	2.8%	987	2.6%
Total	17,887	100%	20,464	100%	38,351	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 78 - P&I status : gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	27,067	17.5%	22,777	33.9%	49,844	22.4%
Specialized Cargo Ships	1,133	0.7%	586	0.9%	1,719	0.8%
Container Ships	21,967	14.2%	4,604	6.8%	26,571	12.0%
Ro-Ro Cargo Ships	3,748	2.4%	2,549	3.8%	6,297	2.8%
Bulk Carriers	43,729	28.2%	11,944	17.8%	55,673	25.1%
Oil and Chemical Tankers	32,439	21.0%	8,235	12.2%	40,674	18.3%
Gas Tankers	5,844	3.8%	804	1.2%	6,648	3.0%
Other Tankers	1,005	0.6%	424	0.6%	1,429	0.6%
Passenger Ships	4,669	3.0%	5,996	8.9%	10,665	4.8%
Offshore Vessels	9,518	6.1%	4,267	6.3%	13,785	6.2%
Service Ships	3,226	2.1%	4,520	6.7%	7,746	3.5%
Tugs	461	0.3%	519	0.8%	980	0.4%
Total	154,806	100%	67,225	100%	222,031	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 72 - Number of medium sized ships, by P&I status****Graph 73 - Gross tonnage of medium sized ships, by P&I status**

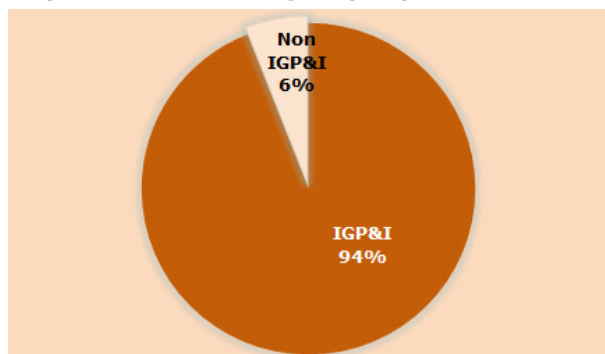
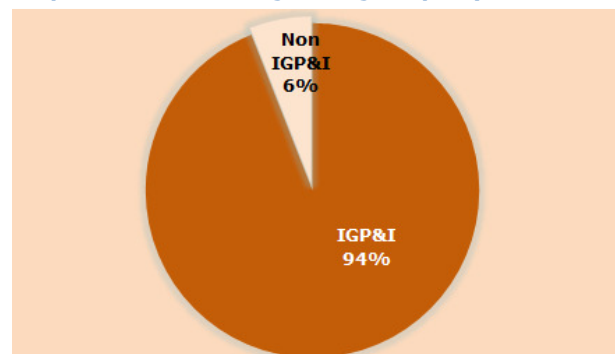
LARGE SHIPS

Table 79 - P&I status : total number of large⁽¹⁾ ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	210	2.0%	12	1.8%	222	2.0%
Specialized Cargo Ships	59	0.6%	6	0.9%	65	0.6%
Container Ships	1,550	14.6%	55	8.1%	1,605	14.2%
Ro-Ro Cargo Ships	589	5.5%	24	3.6%	613	5.4%
Bulk Carriers	5,168	48.6%	428	63.4%	5,596	49.5%
Oil and Chemical Tankers	2,453	23.1%	64	9.5%	2,517	22.3%
Gas Tankers	259	2.4%	16	2.4%	275	2.4%
Other Tankers	7	0.1%			7	0.1%
Passenger Ships	251	2.4%	21	3.1%	272	2.4%
Offshore Vessels	68	0.6%	44	6.5%	112	1.0%
Service Ships	20	0.2%	5	0.7%	25	0.2%
Tugs						
Total	10,634	100%	675	100%	11,309	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000**Table 80 - P&I status : gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	6,854	1.7%	372	1.6%	7,226	1.7%
Specialized Cargo Ships	2,230	0.6%	209	0.9%	2,439	0.6%
Container Ships	59,969	14.9%	2,030	8.6%	61,999	14.5%
Ro-Ro Cargo Ships	27,963	6.9%	1,088	4.6%	29,051	6.8%
Bulk Carriers	192,314	47.7%	14,130	59.7%	206,444	48.3%
Oil and Chemical Tankers	89,448	22.2%	2,341	9.9%	91,789	21.5%
Gas Tankers	11,433	2.8%	706	3.0%	12,139	2.8%
Other Tankers	215	0.1%			215	0.1%
Passenger Ships	9,020	2.2%	658	2.8%	9,678	2.3%
Offshore Vessels	3,193	0.8%	1,949	8.2%	5,142	1.2%
Service Ships	737	0.2%	181	0.8%	918	0.2%
Tugs						
Total	403,376	100%	23,664	100%	427,040	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000**Graph 74 - Number of large ships, by P&I status****Graph 75 - Gross tonnage of large ships, by P&I status**

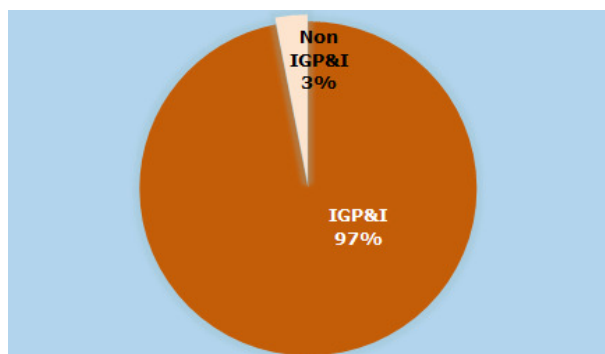
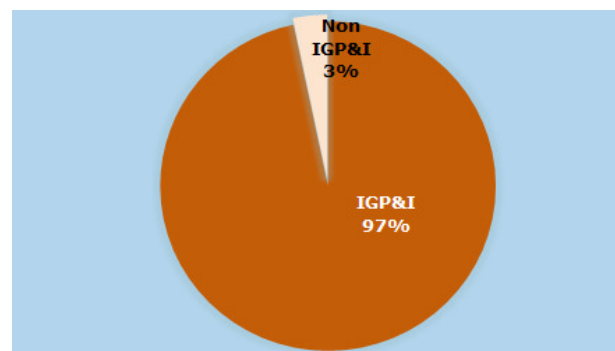
VERY LARGE SHIPS

Table 81 - P&I status : total number of very large⁽¹⁾ ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	2	0.0%	1	0.6%	3	0.1%
Container Ships	1,274	24.2%	10	6.0%	1,284	23.6%
Ro-Ro Cargo Ships	199	3.8%	2	1.2%	201	3.7%
Bulk Carriers	1,593	30.2%	20	12.0%	1,613	29.7%
Oil and Chemical Tankers	1,529	29.0%	72	43.1%	1,601	29.4%
Gas Tankers	382	7.2%	15	9.0%	397	7.3%
Other Tankers						
Passenger Ships	163	3.1%			163	3.0%
Offshore Vessels	123	2.3%	46	27.5%	169	3.1%
Service Ships	5	0.1%	1	0.6%	6	0.1%
Tugs						
Total	5,270	100%	167	100%	5,437	100%

Source: Equasis - ⁽¹⁾ GT≥60,000**Table 82 - P&I status : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	153	0.0%	67	0.4%	220	0.0%
Container Ships	127,190	23.8%	1,005	5.5%	128,195	23.2%
Ro-Ro Cargo Ships	13,124	2.5%	145	0.8%	13,269	2.4%
Bulk Carriers	157,436	29.4%	1,783	9.8%	159,219	28.8%
Oil and Chemical Tankers	164,876	30.8%	9,911	54.4%	174,787	31.6%
Gas Tankers	41,531	7.8%	1,449	8.0%	42,980	7.8%
Other Tankers						
Passenger Ships	16,224	3.0%			16,224	2.9%
Offshore Vessels	13,244	2.5%	3,713	20.4%	16,957	3.1%
Service Ships	843	0.2%	147	0.8%	990	0.2%
Tugs						
Total	534,621	100%	18,220	100%	552,841	100%

Source: Equasis - ⁽¹⁾ GT≥60,000**Graph 76 - Number of very large ships, by P&I status****Graph 77 - Gross tonnage of very large ships, by P&I status**

4.2. IGP&I AND AGE

WORLD FLEET GT≥500

Table 83 - IGP&I world fleet GT≥500 : total number of ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	523	7.1%	1,769	10.3%	1,017	16.5%	743	23.8%	4,052	12.0%
Specialized Cargo Ships	31	0.4%	42	0.2%	25	0.4%	63	2.0%	161	0.5%
Container Ships	822	11.1%	2,563	15.0%	1,007	16.4%	116	3.7%	4,508	13.3%
Ro-Ro Cargo Ships	151	2.0%	515	3.0%	263	4.3%	129	4.1%	1,058	3.1%
Bulk Carriers	3,252	43.9%	4,322	25.3%	1,330	21.6%	253	8.1%	9,157	27.1%
Oil and Chemical Tankers	1,198	16.2%	4,835	28.3%	1,338	21.8%	407	13.1%	7,778	23.0%
Gas Tankers	327	4.4%	628	3.7%	284	4.6%	123	3.9%	1,362	4.0%
Other Tankers	79	1.1%	106	0.6%	26	0.4%	41	1.3%	252	0.7%
Passenger Ships	63	0.8%	328	1.9%	362	5.9%	382	12.3%	1,135	3.4%
Offshore Vessels	823	11.1%	1,631	9.5%	311	5.1%	478	15.3%	3,243	9.6%
Service Ships	82	1.1%	172	1.0%	140	2.3%	278	8.9%	672	2.0%
Tugs	61	0.8%	200	1.2%	48	0.8%	104	3.3%	413	1.2%
Total	7,412	100%	17,111	100%	6,151	100%	3,117	100%	33,791	100%

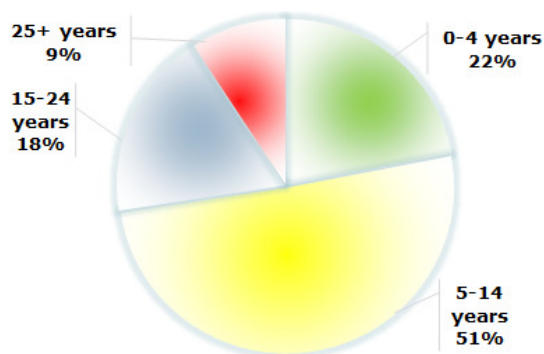
Source: Equasis

Table 84 - IGP&I whole fleet GT≥500: gross tonnage (in 1000 gt) of ships, by type and age

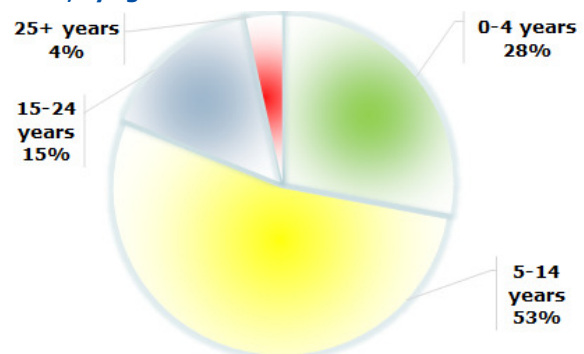
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	7,162	2.3%	15,491	2.7%	7,720	4.6%	3,550	9.4%	33,923	3.1%
Specialized Cargo Ships	780	0.3%	606	0.1%	515	0.3%	1,616	4.3%	3,517	0.3%
Container Ships	64,366	21.1%	113,327	19.5%	28,728	17.1%	2,705	7.1%	209,126	19.1%
Ro-Ro Cargo Ships	8,288	2.7%	24,427	4.2%	9,153	5.5%	2,967	7.8%	44,835	4.1%
Bulk Carriers	146,993	48.1%	188,999	32.5%	50,962	30.4%	6,526	17.2%	393,480	36.0%
Oil and Chemical Tankers	52,511	17.2%	183,503	31.6%	47,448	28.3%	3,299	8.7%	286,761	26.2%
Gas Tankers	14,351	4.7%	32,647	5.6%	8,097	4.8%	3,715	9.8%	58,810	5.4%
Other Tankers	435	0.1%	582	0.1%	152	0.1%	52	0.1%	1,221	0.1%
Passenger Ships	3,596	1.2%	12,609	2.2%	9,147	5.4%	4,560	12.0%	29,912	2.7%
Offshore Vessels	6,308	2.1%	7,485	1.3%	4,770	2.8%	7,392	19.5%	25,955	2.4%
Service Ships	894	0.3%	1,304	0.2%	1,155	0.7%	1,453	3.8%	4,806	0.4%
Tugs	73	0.0%	236	0.0%	44	0.0%	108	0.3%	461	0.0%
Total	305,757	100%	581,216	100%	167,891	100%	37,943	100%	1,092,807	100%

Source: Equasis

Graph 78 - IGP&I world fleet GT≥500, by age



Graph 79 - Gross tonnage of IGP&I world fleet GT≥500, by age



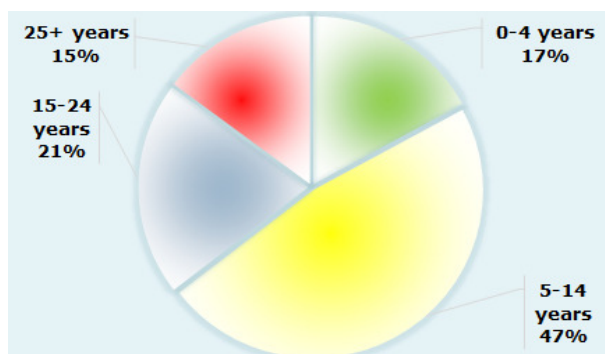
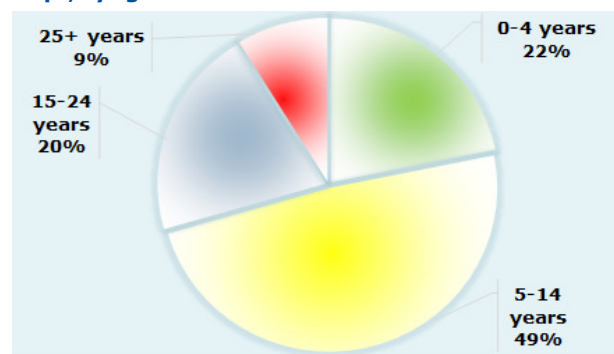
MEDIUM SIZED SHIPS

Table 85 - IGP&I : total number of medium sized⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	452	14.8%	1,711	20.2%	960	26.0%	719	27.1%	3,842	21.5%
Specialized Cargo Ships	20	0.7%	38	0.4%	16	0.4%	26	1.0%	100	0.6%
Container Ships	161	5.3%	879	10.4%	574	15.6%	70	2.6%	1,684	9.4%
Ro-Ro Cargo Ships	13	0.4%	66	0.8%	111	3.0%	80	3.0%	270	1.5%
Bulk Carriers	787	25.8%	1,062	12.5%	379	10.3%	168	6.3%	2,396	13.4%
Oil and Chemical Tankers	443	14.5%	2,224	26.2%	761	20.6%	368	13.9%	3,796	21.2%
Gas Tankers	153	5.0%	293	3.5%	197	5.3%	78	2.9%	721	4.0%
Other Tankers	78	2.6%	101	1.2%	25	0.7%	41	1.5%	245	1.4%
Passenger Ships	30	1.0%	158	1.9%	215	5.8%	318	12.0%	721	4.0%
Offshore Vessels	777	25.4%	1,592	18.8%	269	7.3%	414	15.6%	3,052	17.1%
Service Ships	80	2.6%	164	1.9%	134	3.6%	269	10.1%	647	3.6%
Tugs	61	2.0%	200	2.4%	48	1.3%	104	3.9%	413	2.3%
Total	3,055	100%	8,488	100%	3,689	100%	2,655	100%	17,887	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 86 - IGP&I : gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	4,771	14.1%	13,504	17.9%	5,914	18.5%	2,878	21.1%	27,067	17.5%
Specialized Cargo Ships	258	0.8%	463	0.6%	134	0.4%	279	2.0%	1,134	0.7%
Container Ships	2,190	6.5%	11,270	14.9%	7,549	23.6%	957	7.0%	21,966	14.2%
Ro-Ro Cargo Ships	232	0.7%	1,137	1.5%	1,526	4.8%	852	6.2%	3,747	2.4%
Bulk Carriers	16,638	49.3%	18,840	25.0%	5,957	18.6%	2,293	16.8%	43,728	28.2%
Oil and Chemical Tankers	4,128	12.2%	20,274	26.9%	6,257	19.6%	1,780	13.0%	32,439	21.0%
Gas Tankers	1,335	4.0%	2,619	3.5%	1,308	4.1%	582	4.3%	5,844	3.8%
Other Tankers	409	1.2%	421	0.6%	123	0.4%	52	0.4%	1,005	0.6%
Passenger Ships	143	0.4%	961	1.3%	1,573	4.9%	1,992	14.6%	4,669	3.0%
Offshore Vessels	3,138	9.3%	4,661	6.2%	783	2.4%	935	6.8%	9,517	6.1%
Service Ships	459	1.4%	1,000	1.3%	813	2.5%	954	7.0%	3,226	2.1%
Tugs	73	0.2%	236	0.3%	44	0.1%	108	0.8%	461	0.3%
Total	33,774	100%	75,386	100%	31,981	100%	13,662	100%	154,803	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 80 - IGP&I medium sized ships, by age****Graph 81 - Gross tonnage of IGP&I medium sized ships, by age**

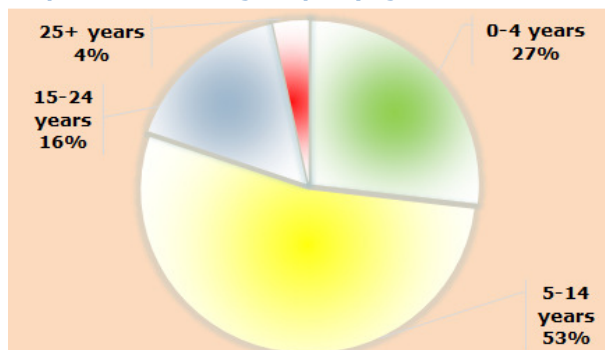
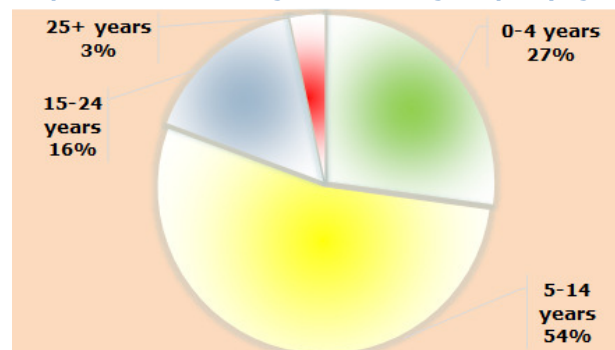
LARGE SHIPS

Table 87 - IGP&I : total number of large⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	71	2.5%	58	1.0%	57	3.3%	24	6.6%	210	2.0%
Specialized Cargo Ships	9	0.3%	4	0.1%	9	0.5%	37	10.2%	59	0.6%
Container Ships	226	7.9%	1,002	17.7%	276	15.9%	46	12.7%	1,550	14.6%
Ro-Ro Cargo Ships	79	2.8%	327	5.8%	134	7.7%	49	13.5%	589	5.5%
Bulk Carriers	1,925	67.3%	2,407	42.4%	763	43.9%	73	20.2%	5,168	48.6%
Oil and Chemical Tankers	433	15.1%	1,644	29.0%	343	19.7%	33	9.1%	2,453	23.1%
Gas Tankers	91	3.2%	110	1.9%	37	2.1%	21	5.8%	259	2.4%
Other Tankers	1	0.0%	5	0.1%	1	0.1%			7	0.1%
Passenger Ships	9	0.3%	88	1.6%	97	5.6%	57	15.7%	251	2.4%
Offshore Vessels	14	0.5%	22	0.4%	16	0.9%	16	4.4%	68	0.6%
Service Ships	1	0.0%	8	0.1%	5	0.3%	6	1.7%	20	0.2%
Tugs										
Total	2,859	100%	5,675	100%	1,738	100%	362	100%	10,634	100%

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000**Table 88 - IGP&I : gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,391	2.2%	1,987	0.9%	1,806	2.8%	672	5.0%	6,856	1.7%
Specialized Cargo Ships	369	0.3%	143	0.1%	381	0.6%	1,337	9.9%	2,230	0.6%
Container Ships	9,421	8.6%	38,830	18.0%	9,971	15.5%	1,748	12.9%	59,970	14.9%
Ro-Ro Cargo Ships	3,959	3.6%	15,492	7.2%	6,398	9.9%	2,115	15.6%	27,964	6.9%
Bulk Carriers	74,482	67.9%	89,257	41.4%	25,909	40.3%	2,668	19.7%	192,316	47.7%
Oil and Chemical Tankers	13,960	12.7%	60,602	28.1%	13,806	21.5%	1,079	8.0%	89,447	22.2%
Gas Tankers	4,048	3.7%	4,821	2.2%	1,638	2.5%	927	6.8%	11,434	2.8%
Other Tankers	26	0.0%	161	0.1%	29	0.0%			216	0.1%
Passenger Ships	387	0.4%	3,126	1.4%	3,431	5.3%	2,075	15.3%	9,019	2.2%
Offshore Vessels	607	0.6%	1,083	0.5%	781	1.2%	723	5.3%	3,194	0.8%
Service Ships	31	0.0%	304	0.1%	187	0.3%	215	1.6%	737	0.2%
Tugs										
Total	109,681	100%	215,806	100%	64,337	100%	13,559	100%	403,383	100%

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000**Graph 82 - IGP&I large ships, by age****Graph 83 - Gross tonnage of IGP&I large ships, by age**

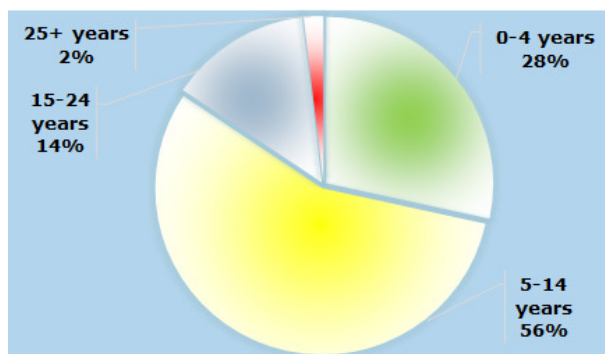
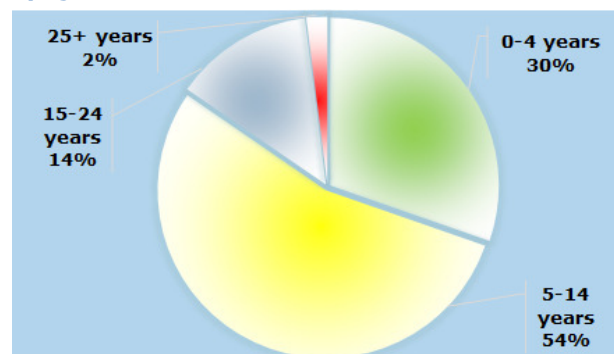
VERY LARGE SHIPS

Table 89 - IGP&I : total number of very large⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	2	0.1%							2	0.0%
Container Ships	435	29.0%	682	23.1%	157	21.7%			1,274	24.2%
Ro-Ro Cargo Ships	59	3.9%	122	4.1%	18	2.5%			199	3.8%
Bulk Carriers	540	36.0%	853	28.9%	188	26.0%	12	12.0%	1,593	30.2%
Oil and Chemical Tankers	322	21.5%	967	32.8%	234	32.3%	6	6.0%	1,529	29.0%
Gas Tankers	83	5.5%	225	7.6%	50	6.9%	24	24.0%	382	7.2%
Other Tankers										
Passenger Ships	24	1.6%	82	2.8%	50	6.9%	7	7.0%	163	3.1%
Offshore Vessels	32	2.1%	17	0.6%	26	3.6%	48	48.0%	123	2.3%
Service Ships	1	0.1%			1	0.1%	3	3.0%	5	0.1%
Tugs										
Total	1,498	100%	2,948	100%	724	100%	100	100%	5,270	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Table 90 - IGP&I : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	153	0.1%							153	0.0%
Container Ships	52,755	32.5%	63,227	21.8%	11,208	15.7%			127,190	23.8%
Ro-Ro Cargo Ships	4,097	2.5%	7,798	2.7%	1,229	1.7%			13,124	2.5%
Bulk Carriers	55,873	34.4%	80,902	27.9%	19,096	26.7%	1,565	14.6%	157,436	29.4%
Oil and Chemical Tankers	34,423	21.2%	102,627	35.4%	27,385	38.3%	440	4.1%	164,875	30.8%
Gas Tankers	8,968	5.5%	25,207	8.7%	5,151	7.2%	2,206	20.6%	41,532	7.8%
Other Tankers										
Passenger Ships	3,066	1.9%	8,522	2.9%	4,143	5.8%	493	4.6%	16,224	3.0%
Offshore Vessels	2,563	1.6%	1,741	0.6%	3,206	4.5%	5,734	53.5%	13,244	2.5%
Service Ships	404	0.2%			155	0.2%	284	2.6%	843	0.2%
Tugs										
Total	162,302	100%	290,024	100%	71,573	100%	10,722	100%	534,621	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Graph 84 - IGP&I very large ships, by age****Graph 85 - Gross tonnage of IGP&I very large ships, by age**

4.3. NON IGP&I AND AGE

WHOLE FLEET GT≥500

Table 91 - Non IGP&I world fleet GT≥500: total number of ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	453	19.4%	1,633	35.8%	1,361	37.1%	4,452	41.4%	7,899	37.1%
Specialized Cargo Ships	13	0.6%	12	0.3%	4	0.1%	89	0.8%	118	0.6%
Container Ships	79	3.4%	189	4.1%	284	7.7%	98	0.9%	650	3.1%
Ro-Ro Cargo Ships	25	1.1%	61	1.3%	85	2.3%	230	2.1%	401	1.9%
Bulk Carriers	287	12.3%	569	12.5%	377	10.3%	589	5.5%	1,822	8.6%
Oil and Chemical Tankers	406	17.4%	532	11.7%	597	16.3%	1,554	14.5%	3,089	14.5%
Gas Tankers	34	1.5%	76	1.7%	94	2.6%	202	1.9%	406	1.9%
Other Tankers	46	2.0%	35	0.8%	38	1.0%	174	1.6%	293	1.4%
Passenger Ships	175	7.5%	380	8.3%	413	11.3%	909	8.5%	1,877	8.8%
Offshore Vessels	519	22.2%	659	14.4%	137	3.7%	1,062	9.9%	2,377	11.2%
Service Ships	228	9.8%	318	7.0%	233	6.4%	1,021	9.5%	1,800	8.4%
Tugs	69	3.0%	98	2.1%	44	1.2%	363	3.4%	574	2.7%
Total	2,334	100%	4,562	100%	3,667	100%	10,743	100%	21,306	100%

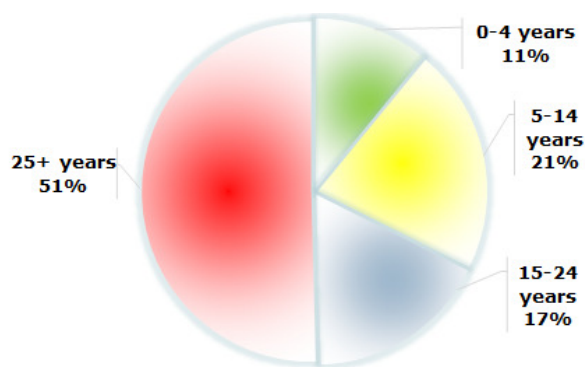
Source: Equasis

Table 92 - Non IGP&I world fleet GT≥500: gross tonnage (in 1000 gt) of ships, by type and age

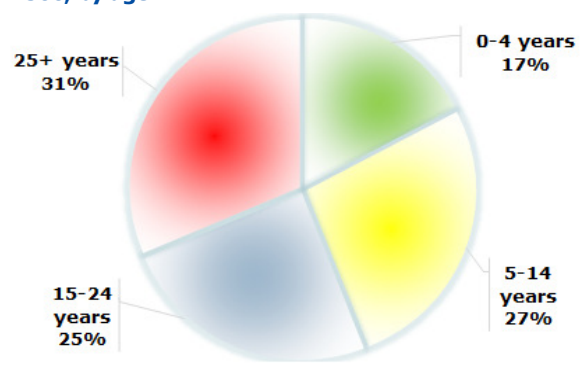
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,679	8.9%	5,054	17.3%	5,038	18.8%	11,377	33.2%	23,148	21.2%
Specialized Cargo Ships	322	1.7%	126	0.4%	23	0.1%	391	1.1%	862	0.8%
Container Ships	1,234	6.6%	2,389	8.2%	3,274	12.2%	741	2.2%	7,638	7.0%
Ro-Ro Cargo Ships	325	1.7%	991	3.4%	673	2.5%	1,792	5.2%	3,781	3.5%
Bulk Carriers	5,742	30.5%	8,053	27.6%	7,327	27.3%	6,734	19.7%	27,856	25.5%
Oil and Chemical Tankers	4,088	21.7%	6,007	20.6%	6,288	23.5%	4,103	12.0%	20,486	18.8%
Gas Tankers	329	1.7%	1,478	5.1%	462	1.7%	689	2.0%	2,958	2.7%
Other Tankers	109	0.6%	60	0.2%	58	0.2%	198	0.6%	425	0.4%
Passenger Ships	825	4.4%	1,281	4.4%	1,503	5.6%	3,045	8.9%	6,654	6.1%
Offshore Vessels	3,314	17.6%	2,537	8.7%	1,400	5.2%	2,679	7.8%	9,930	9.1%
Service Ships	789	4.2%	1,124	3.8%	732	2.7%	2,203	6.4%	4,848	4.4%
Tugs	69	0.4%	98	0.3%	35	0.1%	316	0.9%	518	0.5%
Total	18,825	100%	29,198	100%	26,813	100%	34,268	100%	109,104	100%

Source: Equasis

Graph 86 - Non IGP&I world fleet GT≥500, by age



Graph 87 - Gross tonnage of non IGP&I world fleet GT≥500, by age



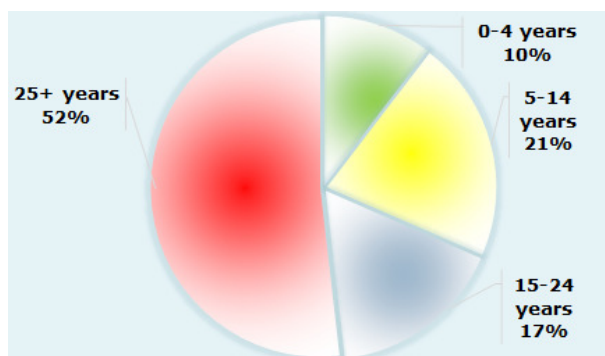
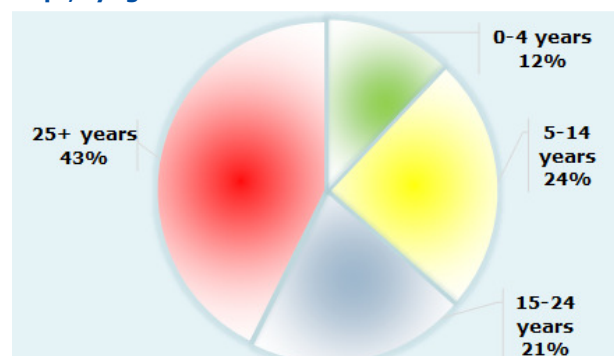
MEDIUM SIZED SHIPS

Table 93 - Non IGP&I : total number of medium sized⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	450	21.2%	1,633	37.6%	1,355	39.8%	4,449	42.0%	7,887	38.5%
Specialized Cargo Ships	7	0.3%	12	0.3%	4	0.1%	88	0.8%	111	0.5%
Container Ships	71	3.4%	165	3.8%	254	7.5%	95	0.9%	585	2.9%
Ro-Ro Cargo Ships	24	1.1%	50	1.2%	81	2.4%	220	2.1%	375	1.8%
Bulk Carriers	163	7.7%	456	10.5%	238	7.0%	517	4.9%	1,374	6.7%
Oil and Chemical Tankers	379	17.9%	495	11.4%	539	15.8%	1,540	14.5%	2,953	14.4%
Gas Tankers	29	1.4%	61	1.4%	88	2.6%	197	1.9%	375	1.8%
Other Tankers	46	2.2%	35	0.8%	38	1.1%	174	1.6%	293	1.4%
Passenger Ships	169	8.0%	379	8.7%	411	12.1%	897	8.5%	1,856	9.1%
Offshore Vessels	486	22.9%	638	14.7%	119	3.5%	1,044	9.8%	2,287	11.2%
Service Ships	226	10.7%	316	7.3%	232	6.8%	1,020	9.6%	1,794	8.8%
Tugs	69	3.3%	98	2.3%	44	1.3%	363	3.4%	574	2.8%
Total	2,119	100%	4,338	100%	3,403	100%	10,604	100%	20,464	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 94 - Non IGP&I : gross tonnage (in 1000 gt) of medium size⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,569	19.3%	5,054	30.9%	4,870	34.6%	11,284	39.4%	22,777	33.9%
Specialized Cargo Ships	77	0.9%	126	0.8%	23	0.2%	360	1.3%	586	0.9%
Container Ships	596	7.3%	1,305	8.0%	2,123	15.1%	580	2.0%	4,604	6.8%
Ro-Ro Cargo Ships	253	3.1%	438	2.7%	513	3.6%	1,345	4.7%	2,549	3.8%
Bulk Carriers	1,494	18.4%	3,938	24.1%	2,191	15.5%	4,321	15.1%	11,944	17.8%
Oil and Chemical Tankers	1,149	14.1%	1,691	10.3%	1,793	12.7%	3,602	12.6%	8,235	12.2%
Gas Tankers	92	1.1%	108	0.7%	211	1.5%	393	1.4%	804	1.2%
Other Tankers	109	1.3%	60	0.4%	58	0.4%	198	0.7%	425	0.6%
Passenger Ships	621	7.6%	1,256	7.7%	1,437	10.2%	2,682	9.4%	5,996	8.9%
Offshore Vessels	1,391	17.1%	1,236	7.6%	253	1.8%	1,388	4.8%	4,268	6.3%
Service Ships	721	8.9%	1,041	6.4%	585	4.2%	2,173	7.6%	4,520	6.7%
Tugs	69	0.8%	98	0.6%	35	0.2%	316	1.1%	518	0.8%
Total	8,141	100%	16,351	100%	14,092	100%	28,642	100%	67,226	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 88 - Non IGP&I medium sized ships, by age****Graph 89 - Gross tonnage of non IGP&I medium sized ships, by age**

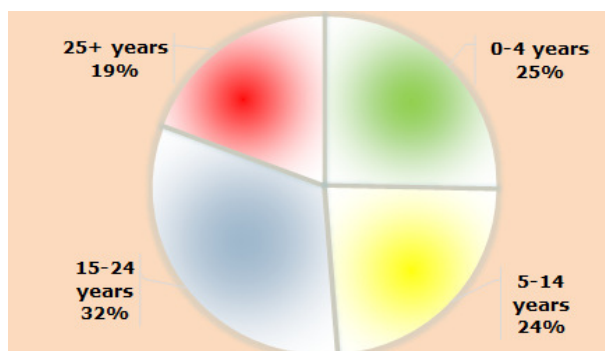
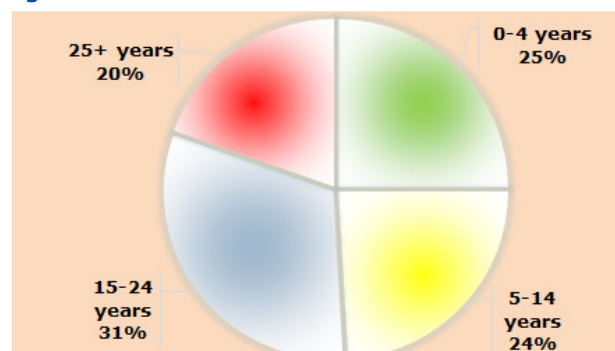
LARGE SHIPS

Table 95 - Non IGP&I : total number of large⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	3	1.8%			6	2.8%	3	2.3%	12	1.8%
Specialized Cargo Ships	5	2.9%					1	0.8%	6	0.9%
Container Ships	5	2.9%	19	12.0%	28	13.0%	3	2.3%	55	8.1%
Ro-Ro Cargo Ships			10	6.3%	4	1.9%	10	7.7%	24	3.6%
Bulk Carriers	119	69.6%	109	69.0%	128	59.3%	72	55.4%	428	63.4%
Oil and Chemical Tankers	7	4.1%	9	5.7%	34	15.7%	14	10.8%	64	9.5%
Gas Tankers	5	2.9%	2	1.3%	6	2.8%	3	2.3%	16	2.4%
Other Tankers										
Passenger Ships	6	3.5%	1	0.6%	2	0.9%	12	9.2%	21	3.1%
Offshore Vessels	19	11.1%	6	3.8%	8	3.7%	11	8.5%	44	6.5%
Service Ships	2	1.2%	2	1.3%			1	0.8%	5	0.7%
Tugs										
Total	171	100%	158	100%	216	100%	130	100%	675	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 96 - Non IGP&I : gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	110	1.9%			168	2.3%	93	2.0%	371	1.6%
Specialized Cargo Ships	178	3.0%					31	0.7%	209	0.9%
Container Ships	141	2.4%	711	12.5%	1,016	13.7%	161	3.5%	2,029	8.6%
Ro-Ro Cargo Ships			481	8.4%	160	2.2%	447	9.6%	1,088	4.6%
Bulk Carriers	3,797	64.2%	3,746	65.7%	4,173	56.3%	2,413	52.1%	14,129	59.7%
Oil and Chemical Tankers	236	4.0%	331	5.8%	1,272	17.2%	501	10.8%	2,340	9.9%
Gas Tankers	237	4.0%	96	1.7%	251	3.4%	122	2.6%	706	3.0%
Other Tankers										
Passenger Ships	204	3.5%	25	0.4%	66	0.9%	363	7.8%	658	2.8%
Offshore Vessels	940	15.9%	232	4.1%	303	4.1%	474	10.2%	1,949	8.2%
Service Ships	68	1.2%	83	1.5%			30	0.6%	181	0.8%
Tugs										
Total	5,911	100%	5,705	100%	7,409	100%	4,635	100%	23,660	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 90 - Non IGP&I large ships, by age****Graph 91 - Gross tonnage of non IGP&I large ships, by age**

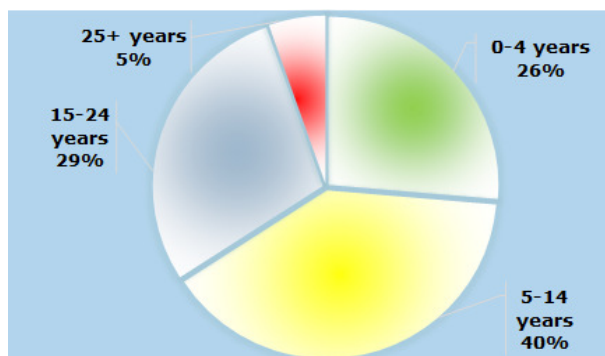
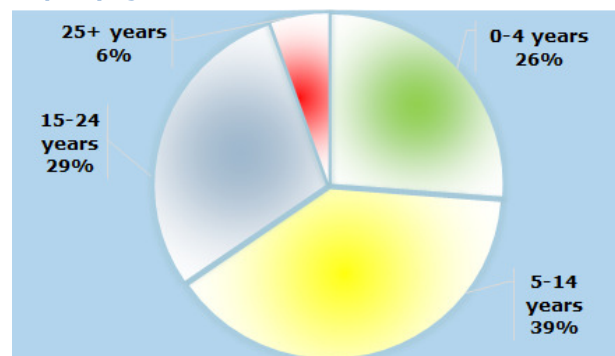
VERY LARGE SHIPS

Table 97 - Non IGP&I : total number of very large⁽¹⁾ ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	1	2.3%							1	0.6%
Container Ships	3	6.8%	5	7.6%	2	4.2%			10	6.0%
Ro-Ro Cargo Ships	1	2.3%	1	1.5%					2	1.2%
Bulk Carriers	5	11.4%	4	6.1%	11	22.9%			20	12.0%
Oil and Chemical Tankers	20	45.5%	28	42.4%	24	50.0%			72	43.1%
Gas Tankers			13	19.7%			2	22.2%	15	9.0%
Other Tankers										
Passenger Ships										
Offshore Vessels	14	31.8%	15	22.7%	10	20.8%	7	77.8%	46	27.5%
Service Ships					1	2.1%			1	0.6%
Tugs										
Total	44	100%	66	100%	48	100%	9	100%	167	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Table 98 - Non IGP&I : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	67	1.4%							67	0.4%
Container Ships	497	10.4%	373	5.2%	135	2.5%			1,005	5.5%
Ro-Ro Cargo Ships	72	1.5%	72	1.0%					144	0.8%
Bulk Carriers	451	9.4%	369	5.2%	963	18.1%			1,783	9.8%
Oil and Chemical Tankers	2,703	56.6%	3,985	55.8%	3,223	60.7%			9,911	54.4%
Gas Tankers			1,274	17.8%			174	17.6%	1,448	7.9%
Other Tankers										
Passenger Ships										
Offshore Vessels	983	20.6%	1,069	15.0%	844	15.9%	817	82.4%	3,713	20.4%
Service Ships					147	2.8%			147	0.8%
Tugs										
Total	4,773	100%	7,142	100%	5,312	100%	991	100%	18,218	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Graph 92 - Non IGP&I very large ships, by age****Graph 93 - Gross tonnage of non IGP&I very large ships, by age**

4.4. P&I AND FLAG

WORLD FLEET GT≥500

Table 99 - P&I world fleet GT≥500 status : total number of ships, by type and flag

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,610	14.7%	3,936	46.6%	5,546	2,442	10.7%	3,963	30.8%	6,405
Specialized Cargo Ships	41	0.4%	67	0.8%	108	120	0.5%	51	0.4%	171
Container Ships	1,393	12.7%	296	3.5%	1,689	3,115	13.6%	354	2.8%	3,469
Ro-Ro Cargo Ships	367	3.4%	168	2.0%	535	691	3.0%	233	1.8%	924
Bulk Carriers	3,839	35.1%	668	7.9%	4,507	5,318	23.3%	1,154	9.0%	6,472
Oil and Chemical Tankers	2,257	20.6%	1,319	15.6%	3,576	5,521	24.2%	1,770	13.8%	7,291
Gas Tankers	384	3.5%	141	1.7%	525	978	4.3%	265	2.1%	1,243
Other Tankers	62	0.6%	127	1.5%	189	190	0.8%	166	1.3%	356
Passenger Ships	209	1.9%	613	7.3%	822	926	4.1%	1,264	9.8%	2,190
Offshore Vessels	608	5.6%	712	8.4%	1,320	2,635	11.5%	1,665	12.9%	4,300
Service Ships	125	1.1%	309	3.7%	434	547	2.4%	1,491	11.6%	2,038
Tugs	53	0.5%	89	1.1%	142	360	1.6%	485	3.8%	845
Total	10,948	100%	8,445	100%	19,393	22,843	100%	12,861	100%	35,704

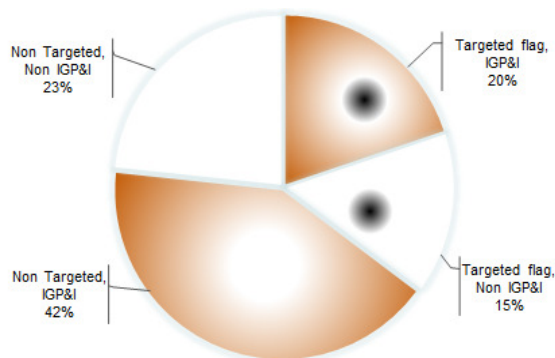
Source: Equasis

Table 100 - P&I world fleet GT≥500 status : gross tonnage (in 1000 gt) of ships, by type and flag

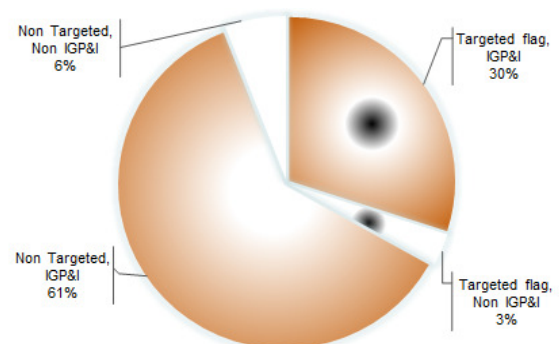
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	12,279	3.4%	11,731	31.2%	24,010	21,642	3.0%	11,418	16.0%	33,060
Specialized Cargo Ships	895	0.2%	234	0.6%	1,129	2,622	0.4%	628	0.9%	3,250
Container Ships	58,193	16.2%	2,701	7.2%	60,894	150,933	20.6%	4,938	6.9%	155,871
Ro-Ro Cargo Ships	15,988	4.4%	1,743	4.6%	17,731	28,848	3.9%	2,037	2.8%	30,885
Bulk Carriers	163,554	45.4%	8,995	23.9%	172,549	229,925	31.4%	18,861	26.4%	248,786
Oil and Chemical Tankers	82,303	22.8%	6,776	18.0%	89,079	204,460	27.9%	13,711	19.2%	218,171
Gas Tankers	13,033	3.6%	589	1.6%	13,622	45,775	6.2%	2,369	3.3%	48,144
Other Tankers	290	0.1%	194	0.5%	484	931	0.1%	230	0.3%	1,161
Passenger Ships	6,894	1.9%	2,174	5.8%	9,068	23,021	3.1%	4,480	6.3%	27,501
Offshore Vessels	5,344	1.5%	1,749	4.6%	7,093	20,611	2.8%	8,180	11.4%	28,791
Service Ships	1,423	0.4%	660	1.8%	2,083	3,384	0.5%	4,188	5.9%	7,572
Tugs	53	0.0%	78	0.2%	131	408	0.1%	440	0.6%	848
Total	360,249	100%	37,624	100%	397,873	732,560	100%	71,480	100%	804,040

Source: Equasis

Graph 94 - Total number of ships GT≥500, by P&I status and flag



Graph 95 - Gross tonnage of ships GT≥500, by P&I status and flag



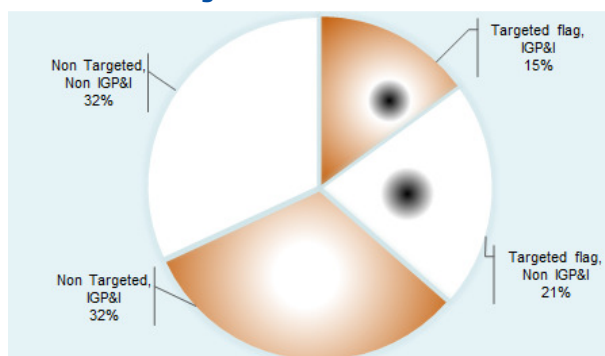
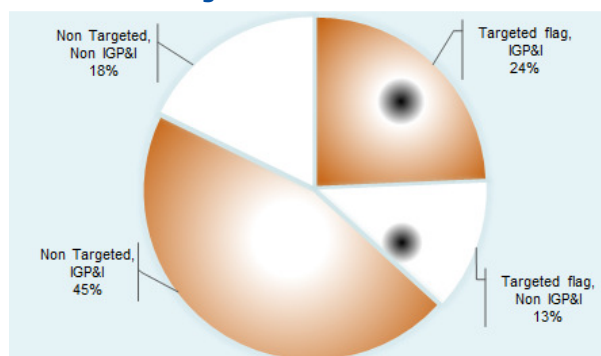
MEDIUM SIZED SHIPS

Table 101 - P&I status : total number of medium sized⁽¹⁾ ships, by type and flag

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,572	27.4%	3,934	47.8%	5,506	2,270	18.7%	3,953	32.3%	6,223
Specialized Cargo Ships	23	0.4%	67	0.8%	90	77	0.6%	44	0.4%	121
Container Ships	658	11.5%	283	3.4%	941	1,026	8.4%	302	2.5%	1,328
Ro-Ro Cargo Ships	74	1.3%	151	1.8%	225	196	1.6%	224	1.8%	420
Bulk Carriers	1,042	18.1%	562	6.8%	1,604	1,354	11.2%	812	6.6%	2,166
Oil and Chemical Tankers	1,226	21.3%	1,268	15.4%	2,494	2,570	21.2%	1,685	13.8%	4,255
Gas Tankers	235	4.1%	137	1.7%	372	486	4.0%	238	1.9%	724
Other Tankers	60	1.0%	127	1.5%	187	185	1.5%	166	1.4%	351
Passenger Ships	123	2.1%	604	7.3%	727	598	4.9%	1,252	10.2%	1,850
Offshore Vessels	561	9.8%	701	8.5%	1,262	2,491	20.5%	1,586	13.0%	4,077
Service Ships	117	2.0%	308	3.7%	425	530	4.4%	1,486	12.1%	2,016
Tugs	53	0.9%	89	1.1%	142	360	3.0%	485	4.0%	845
Total	5,744	100%	8,231	100%	13,975	12,143	100%	12,233	100%	24,376

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 102 - P&I status : gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type and flag**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	11,097	20.6%	11,670	42.2%	22,767	15,970	15.8%	11,107	28.1%	27,077
Specialized Cargo Ships	251	0.5%	234	0.8%	485	882	0.9%	352	0.9%	1,234
Container Ships	8,207	15.2%	1,993	7.2%	10,200	13,760	13.6%	2,611	6.6%	16,371
Ro-Ro Cargo Ships	882	1.6%	925	3.3%	1,807	2,866	2.8%	1,624	4.1%	4,490
Bulk Carriers	18,510	34.3%	5,085	18.4%	23,595	25,219	25.0%	6,859	17.3%	32,078
Oil and Chemical Tankers	9,817	18.2%	3,400	12.3%	13,217	22,622	22.4%	4,835	12.2%	27,457
Gas Tankers	1,753	3.2%	380	1.4%	2,133	4,091	4.1%	424	1.1%	4,515
Other Tankers	234	0.4%	194	0.7%	428	771	0.8%	230	0.6%	1,001
Passenger Ships	939	1.7%	1,900	6.9%	2,839	3,731	3.7%	4,096	10.4%	7,827
Offshore Vessels	1,708	3.2%	1,197	4.3%	2,905	7,810	7.7%	3,070	7.8%	10,880
Service Ships	541	1.0%	630	2.3%	1,171	2,685	2.7%	3,890	9.8%	6,575
Tugs	53	0.1%	78	0.3%	131	408	0.4%	440	1.1%	848
Total	53,992	100%	27,686	100%	81,678	100,815	100%	39,538	100%	140,353

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 96 - Total number of medium sized ships, by P&I status and flag****Graph 97 - Gross tonnage of medium sized ships, by P&I status and flag**

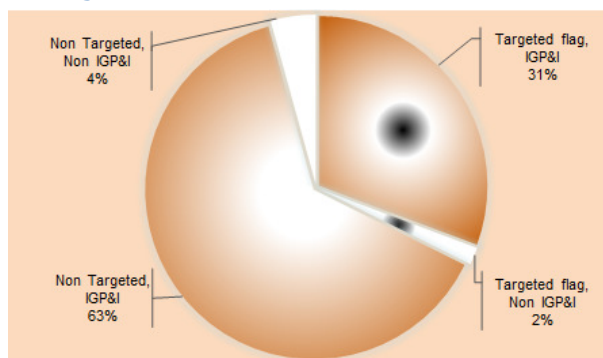
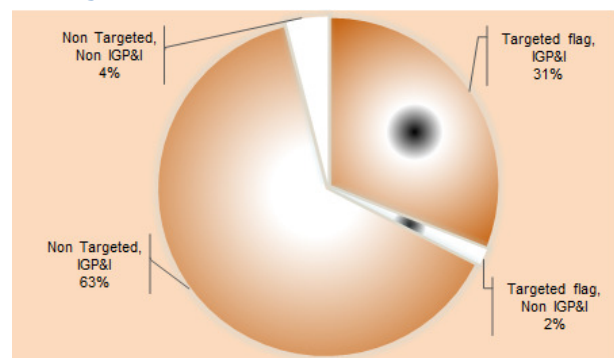
LARGE SHIPS

Table 103 - P&I status : total number of large⁽¹⁾ ships, by type and flag

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	38	1.1%	2	1.1%	40	172	2.4%	10	2.0%	182
Specialized Cargo Ships	18	0.5%			18	41	0.6%	6	1.2%	47
Container Ships	379	10.9%	10	5.4%	389	1,171	16.3%	45	9.2%	1,216
Ro-Ro Cargo Ships	224	6.5%	16	8.6%	240	365	5.1%	8	1.6%	373
Bulk Carriers	2,082	60.0%	100	53.8%	2,182	3,086	43.1%	328	67.1%	3,414
Oil and Chemical Tankers	588	17.0%	37	19.9%	625	1,865	26.0%	27	5.5%	1,892
Gas Tankers	71	2.0%	3	1.6%	74	188	2.6%	13	2.7%	201
Other Tankers	2	0.1%			2	5	0.1%			5
Passenger Ships	39	1.1%	9	4.8%	48	212	3.0%	12	2.5%	224
Offshore Vessels	22	0.6%	8	4.3%	30	46	0.6%	36	7.4%	82
Service Ships	5	0.1%	1	0.5%	6	15	0.2%	4	0.8%	19
Tugs										
Total	3,468	100%	186	100%	3,654	7,166	100%	489	100%	7,655

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 104 - P&I status : gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,182	0.9%	61	0.9%	1,243	5,672	2.1%	311	1.8%	5,983
Specialized Cargo Ships	644	0.5%			644	1,587	0.6%	209	1.2%	1,796
Container Ships	14,367	10.9%	295	4.5%	14,662	45,602	16.8%	1,734	10.1%	47,336
Ro-Ro Cargo Ships	10,611	8.0%	746	11.4%	11,357	17,353	6.4%	341	2.0%	17,694
Bulk Carriers	77,271	58.4%	3,374	51.6%	80,645	115,044	42.4%	10,755	62.8%	125,799
Oil and Chemical Tankers	22,482	17.0%	1,315	20.1%	23,797	66,967	24.7%	1,026	6.0%	67,993
Gas Tankers	3,239	2.4%	130	2.0%	3,369	8,194	3.0%	576	3.4%	8,770
Other Tankers	56	0.0%			56	160	0.1%			160
Passenger Ships	1,306	1.0%	274	4.2%	1,580	7,714	2.8%	384	2.2%	8,098
Offshore Vessels	999	0.8%	319	4.9%	1,318	2,194	0.8%	1,630	9.5%	3,824
Service Ships	173	0.1%	30	0.5%	203	564	0.2%	151	0.9%	715
Tugs										
Total	132,330	100%	6,544	100%	138,874	271,051	100%	17,117	100%	288,168

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 98 - Total number of large ships, by P&I status and flag****Graph 99 - Gross tonnage of large ships, by P&I status and flag**

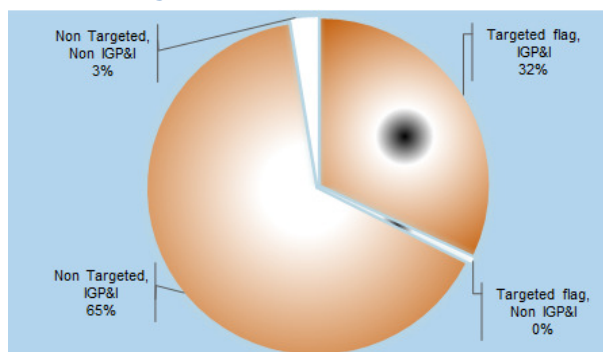
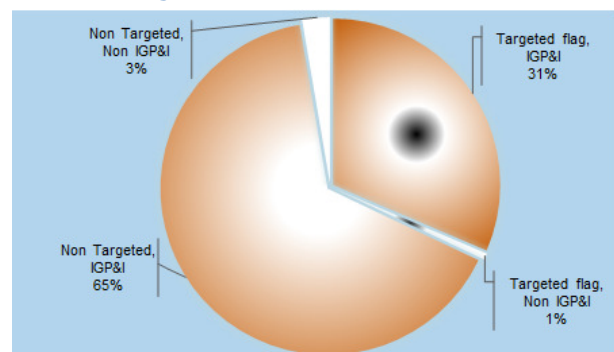
VERY LARGE SHIPS

Table 105 - P&I status : total number of very large⁽¹⁾ ships, by type and flag

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships										
Specialized Cargo Ships						2	0.1%	1	0.7%	3
Container Ships	356	20.5%	3	10.7%	359	918	26.0%	7	5.0%	925
Ro-Ro Cargo Ships	69	4.0%	1	3.6%	70	130	3.7%	1	0.7%	131
Bulk Carriers	715	41.2%	6	21.4%	721	878	24.8%	14	10.1%	892
Oil and Chemical Tankers	443	25.5%	14	50.0%	457	1,086	30.7%	58	41.7%	1,144
Gas Tankers	78	4.5%	1	3.6%	79	304	8.6%	14	10.1%	318
Other Tankers										
Passenger Ships	47	2.7%			47	116	3.3%			116
Offshore Vessels	25	1.4%	3	10.7%	28	98	2.8%	43	30.9%	141
Service Ships	3	0.2%			3	2	0.1%	1	0.7%	3
Tugs										
Total	1,736	100%	28	100%	1,764	3,534	100%	139	100%	3,673

Source: Equasis - ⁽¹⁾ GT≥60.000**Table 106 - P&I status : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships										
Specialized Cargo Ships						153	0.0%	67	0.5%	220
Container Ships	35,619	20.5%	413	12.2%	36,032	91,571	25.4%	593	4.0%	92,164
Ro-Ro Cargo Ships	4,495	2.6%	72	2.1%	4,567	8,629	2.4%	72	0.5%	8,701
Bulk Carriers	67,773	39.0%	536	15.8%	68,309	89,662	24.9%	1,247	8.4%	90,909
Oil and Chemical Tankers	50,004	28.7%	2,061	60.7%	52,065	114,871	31.8%	7,850	53.0%	122,721
Gas Tankers	8,041	4.6%	79	2.3%	8,120	33,490	9.3%	1,369	9.2%	34,859
Other Tankers										
Passenger Ships	4,649	2.7%			4,649	11,576	3.2%			11,576
Offshore Vessels	2,637	1.5%	233	6.9%	2,870	10,607	2.9%	3,480	23.5%	14,087
Service Ships	709	0.4%			709	135	0.0%	147	1.0%	282
Tugs										
Total	173,927	100%	3,394	100%	177,321	360,694	100%	14,825	100%	375,519

Source: Equasis - ⁽¹⁾ GT≥60.000**Graph 100 - Total number of very large ships, by P&I status and flag****Graph 101 - Gross tonnage of very large ships, by P&I status and flag**

4.5. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 107 - Whole fleet GT≥500 detention rate^(*), by type and P&I status - 2015

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.57%	7.93%	5.15%
Specialized Cargo Ships	2.66%	11.18%	5.63%
Container Ships	1.51%	4.13%	1.68%
Ro-Ro Cargo Ships	0.91%	6.17%	1.46%
Bulk Carriers	1.78%	5.66%	2.06%
Oil and Chemical Tankers	1.08%	5.20%	1.33%
Gas Tankers	1.65%	3.09%	1.78%
Other Tankers	3.28%	12.28%	4.70%
Passenger Ships	1.18%	6.01%	1.70%
Offshore Vessels	1.29%	6.46%	2.43%
Service Ships	1.45%	4.08%	2.40%
Tugs	1.14%	6.06%	2.48%
Total	1.68%	7.12%	2.64%

Source: Equasis - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM and Med MoU divided by total number of inspections

MEDIUM SIZED SHIPS

Table 108 - Medium sized⁽¹⁾ ships detention rates^(*), by type and P&I status - 2015

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.77%	7.95%	5.36%
Specialized Cargo Ships	2.88%	11.39%	6.56%
Container Ships	2.04%	3.69%	2.28%
Ro-Ro Cargo Ships	0.92%	6.60%	3.17%
Bulk Carriers	1.80%	6.64%	2.60%
Oil and Chemical Tankers	1.19%	4.47%	1.57%
Gas Tankers	2.10%	3.91%	2.31%
Other Tankers	3.39%	12.28%	4.83%
Passenger Ships	2.54%	6.88%	3.58%
Offshore Vessels	1.34%	6.59%	2.51%
Service Ships	1.50%	4.10%	2.46%
Tugs	1.14%	6.06%	2.48%
Total	2.05%	7.32%	3.69%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

LARGE SHIPS

Table 109 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2015

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	0.00%	2.63%	0.13%
Specialized Cargo Ships	2.17%	0.00%	2.11%
Container Ships	1.61%	7.06%	1.73%
Ro-Ro Cargo Ships	1.07%	5.62%	1.30%
Bulk Carriers	1.78%	2.27%	1.79%
Oil and Chemical Tankers	0.92%	17.86%	1.03%
Gas Tankers	0.92%	0.00%	0.87%
Other Tankers	0.00%		0.00%
Passenger Ships	0.82%	0.00%	0.79%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Total	1.48%	3.80%	1.54%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

VERY LARGE SHIPS

Table 110 - Very large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2015

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.86%	5.00%	0.89%
Ro-Ro Cargo Ships	0.47%	0.00%	0.47%
Bulk Carriers	1.77%	2.94%	1.78%
Oil and Chemical Tankers	1.15%	8.82%	1.30%
Gas Tankers	0.80%	0.00%	0.75%
Other Tankers			
Passenger Ships	0.19%		0.19%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.16%	4.42%	1.20%

Source: Equasis - ⁽¹⁾ GT ≥ 60.000 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM and Med MoU divided by total number of inspections

Chapter 5

5. Port State Control

INTRODUCTION

Port State Control authorities check the compliance with International Conventions of foreign ships visiting their ports. Equasis statistics include inspection data provided by seven of the regional Port State Control regimes, Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU), U.S. Coast Guard (USCG), Viña del Mar MoU, Mediterranean MoU (Med MoU) and Caribbean MoU (CMoU). The analyses in this chapter take into account the recorded inspections of these PSC regimes available in Equasis.

Mediterranean MoU joined Equasis in 2014 and the data of that PSC region is reflected in statistics starting from the year 2014. Therefore, the tables and graphs that include inspections over the last 3 years (2013-2015), take also into account data from Mediterranean MoU since 2014.

The Caribbean MoU joined Equasis in early 2016 and for this chapter inspection data from CMoU from 2013 onwards made available to Equasis was taken into account.

PSC SHIP TYPE

As explained in Chapter 1, this chapter has been revised in 2011 to use the PSC ship types recorded during inspections, instead of the generic and commercial ship types used in the other chapters.

It needs to be noted that for consistency reasons the reference fleet is exactly the same one of the remaining chapters. It means that inspections of ships that are no longer active or with a "commercial" ship type out of the scope of these statistics are not counted in this chapter.

INSPECTED SHIPS

Ships are subject to port State control inspections in most parts of the world, but Equasis receives data only from seven PSC

regimes. Some ships do not trade to the participating maritime authorities of these seven MoU's or in some cases have not been inspected when they have visited them. In addition, some ships are not eligible for PSC inspections due to their size or type, or they are only engaged in domestic trade. However, these vessels are mainly confined to the small ship size category. Therefore, there is a portion of the eligible fleet without a port State Control inspection record in Equasis.

A significant portion of this "without inspection record" fleet, particularly those in the very large, large and medium sized ship category, could potentially be trading in the waters of these PSC regimes or are trading using ports in these areas. The inspection figures show the proportion of the fleet which have been inspected by one of the seven PSC regimes in the last 3 years. Therefore the proportion of fleet that have not been inspected can be calculated. The figures are sorted by ship size and PSC type with details per age ranges, flag State and P&I coverage.

RECOGNISED ORGANISATIONS

Information on the "Recognised Organisations" are also included in this chapter based on the statutory certificates recorded at the time of inspection. Recognised Organisations are Class Societies working on behalf of a flag state that survey ships under their flag and certify that they comply with the relevant international conventions. Information on statutory certificates are provided only by the following PSC regimes to Equasis: Paris MoU, Indian Ocean MoU, USCG, Viña del Mar, Mediterranean MoU and Caribbean MoU.

Table 144 provides the total number of inspections in which a statutory certificate has been recorded by the Port State Control Officer (PSCO) for each type of certificate. It also specifies the number of

inspections where this certificate has been recorded by the PSCO by issuer (flag State or RO).

Please note that during an inspection several certificates are usually checked and recorded but no checklist is followed. Moreover depending of the ship type certain certificates may not be applicable. Additionally a "group" of certificates in the table may refer to more than one certificate and each certificate may be issued by different authorities. For these reasons, total figures cannot be easily deducted by summing lines or columns in Table 144.

The list of certificates by group is given in Annex IV. The group "Other" covers all unlisted certificates.

RESULTS

Table 116 reveals that of the 56,226 ships over 500GT in the fleet covered by Equasis, 60% (33,846) were inspected at least once in the period 2013-2015. This equates to 86% by tonnage.

Table 113 shows that the number of individual ships inspected steadily increased in the period from 2005 to 2015.

Table 114 and Graph 105 shows a significant number of inspections to ships occurs only once, with the exception of the Tokyo MoU region wherein the number of multiple inspections is more frequent. Furthermore, the New Inspection Regime in force in Paris MoU and Tokyo MoU, also led to an approximation of the total number of inspections between Paris MoU and Tokyo MoU (Graph 105). The new inspection regime targets ships according a ship risk profile, which takes into account the flag of the ship, type, age, recognised organisation, company performance and historical information on deficiencies and detentions.

Table 115 shows a relevant proportion of ships that were inspected by two and three PSC regimes, with a steep downwards trend as the number of PSC regimes increases, with Bulk Carriers being more likely to be inspected by more than one inspection regime.

Tables 111 shows that the majority of ships without an inspection record are in the small sized ship category (4%).

By age, Table 116 shows that older ships (32% inspected) have been subjected to fewer inspections than newer ships (63% inspected). Additionally ships with IGP&I coverage (Table 124) have also been subjected to more inspections. A possible explanation is the fact that the majority of ships is covered by IGP&I clubs (61%) and are operating in PSC regions for which Equasis has PSC data.

Table 132 shows that ships with targeted flag States are subjected to more inspections than those of non-targeted flag States.

Table 140 shows that issuers of statutory certificates are, in majority, Recognised Organisations that are member of IACS. About 96% of the inspections of ships over 500GT have at least one statutory certificate issued by a Recognised Organisation that is member of IACS.

Table 144 shows that the involvement of flag States differs greatly depending on the statutory certificates. The Minimum Safe Manning Document (SOLAS/STCW), the Continuous Synopsis Record (SOLAS/CSR), Certificate of Insurance for Oil Prevention (SOLAS/CLC), and the Bunkering Certificate are the statutory certificates that are, in majority, issued by the flag State. Recognised Organisations are also more involved in issuing the ISPS (that ensures security on ships) and MLC (Maritime Labour Convention), in particular by IACS members.

5.1. PORT STATE CONTROL OVERVIEW

OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIONS (2013-2015)

Table 111 - The world fleet in Equasis, by PSC type and size (GT≥100)

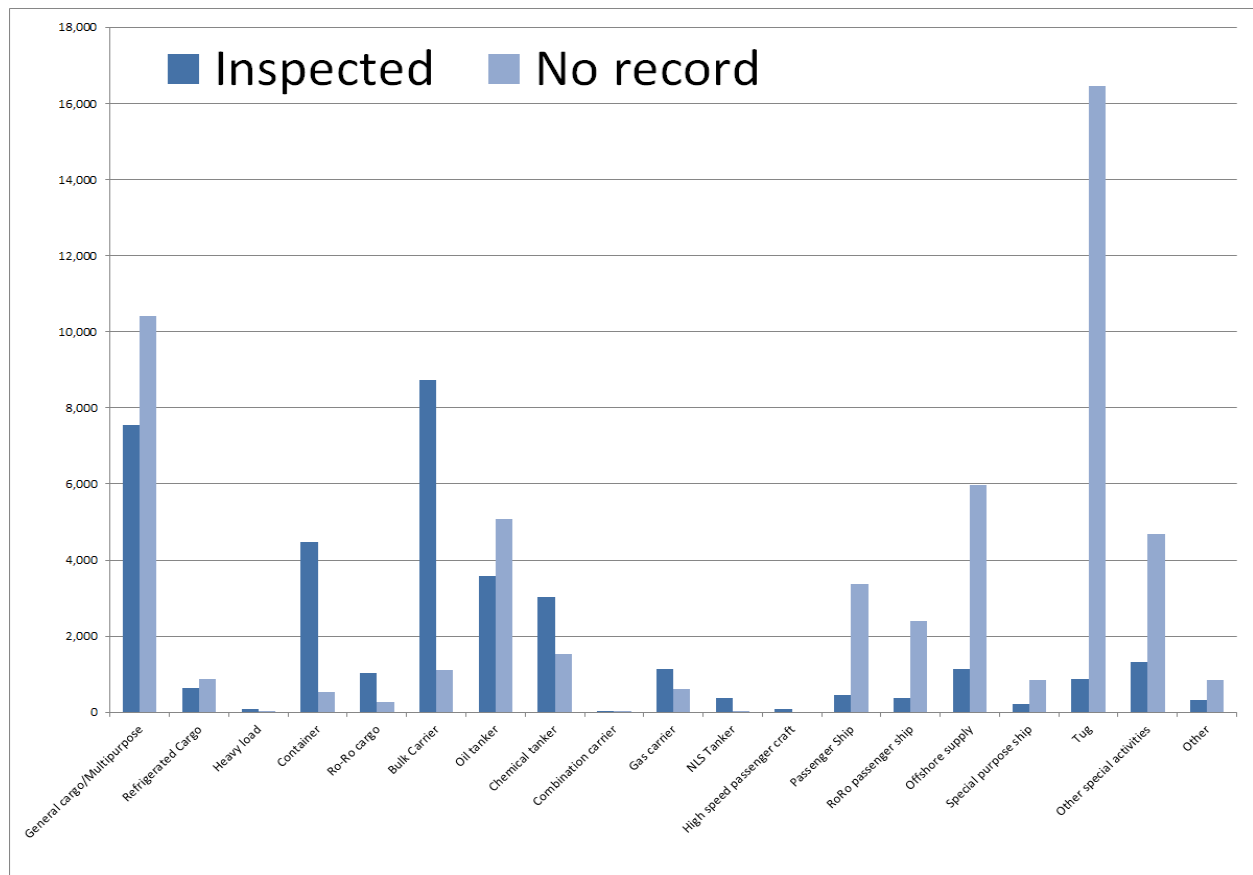
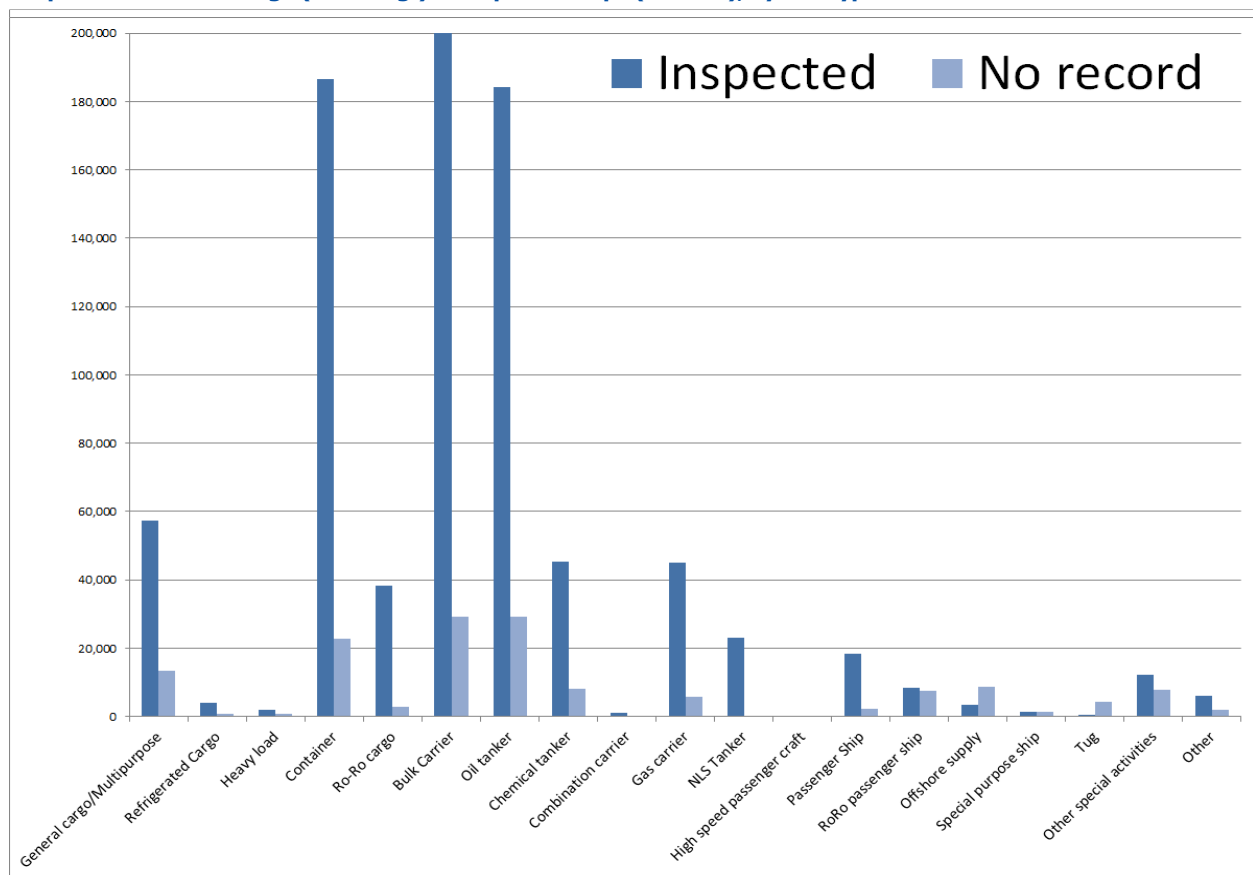
PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,278	154	2.9%	12,239	6,960	56.9%	418	406	97.1%	28	28	100.0%	17,963	7,548	42.0%
Refrigerated Cargo	578	40	6.9%	931	606	65.1%	4	1	25.0%				1,513	647	42.8%
Heavy load	1		0.0%	70	53	75.7%	42	36	85.7%	4	2	50.0%	117	91	77.8%
Container	17	1	5.9%	2,137	1,724	80.7%	1,575	1,495	94.9%	1,276	1,244	97.5%	5,005	4,464	89.2%
Ro-Ro cargo	37	12	32.4%	583	348	59.7%	510	506	99.2%	171	167	97.7%	1,301	1,033	79.4%
Bulk Carrier	3		0.0%	2,891	2,411	83.4%	5,353	4,795	89.6%	1,603	1,525	95.1%	9,850	8,731	88.6%
Oil tanker	1,709	43	2.5%	3,969	992	25.0%	1,474	1,261	85.5%	1,518	1,289	84.9%	8,670	3,585	41.3%
Chemical tanker	451	8	1.8%	3,156	2,192	69.5%	955	829	86.8%	1	1	100.0%	4,563	3,030	66.4%
Combination carrier	1	1	100.0%	17	16	94.1%	7	7	100.0%	8	8	100.0%	33	32	97.0%
Gas carrier	38		0.0%	1,061	647	61.0%	245	181	73.9%	396	311	78.5%	1,740	1,139	65.5%
NLS Tanker	3		0.0%	164	160	97.6%	113	113	100.0%	94	94	100.0%	374	367	98.1%
High speed passenger craft	36	36	100.0%	44	44	100.0%							80	80	100.0%
Passenger Ship	2,886	94	3.3%	718	151	21.0%	68	67	98.5%	159	154	96.9%	3,831	466	12.2%
RoRo passenger ship	766	7	0.9%	1,803	203	11.3%	205	157	76.6%	4	4	100.0%	2,778	371	13.4%
Offshore supply	2,302	85	3.7%	4,801	1,063	22.1%	9	1	11.1%	1		0.0%	7,113	1,149	16.2%
Special purpose ship	509	42	8.3%	530	168	31.7%	14	9	64.3%	3	1	33.3%	1,056	220	20.8%
Tug	16,272	654	4.0%	1,037	208	20.1%							17,309	862	5.0%
Other special activities	2,906	340	11.7%	2,746	812	29.6%	219	154	70.3%	144	16	11.1%	6,015	1,322	22.0%
Other	474	11	2.3%	580	201	34.7%	101	96	95.0%	27	18	66.7%	1,182	326	27.6%
Total	34,267	1,528	4%	39,477	18,959	48%	11,312	10,114	89%	5,437	4,862	89%	90,493	35,463	39%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 112 - Gross tonnage (in 1000 gt) of the world fleet in Equasis, by PSC type and size

PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,788	57	3.2%	52,105	39,828	76.4%	14,658	14,302	97.6%	2,188	3,099	141.6%	70,739	57,286	81.0%
Refrigerated Cargo	146	12	8.2%	4,559	3,875	85.0%	147	33	22.4%				4,852	3,920	80.8%
Heavy load				878	667	76.0%	1,584	1,334	84.2%	496	92	18.5%	2,958	2,093	70.8%
Container	6		0.0%	24,759	21,445	86.6%	60,975	58,045	95.2%	123,665	107,120	86.6%	209,405	186,610	89.1%
Ro-Ro cargo	13	5	38.5%	5,605	4,084	72.9%	24,500	24,365	99.4%	10,955	9,848	89.9%	41,073	38,302	93.3%
Bulk Carrier	1		0.0%	50,670	43,308	85.5%	196,842	177,495	90.2%	151,335	148,951	98.4%	398,848	369,754	92.7%
Oil tanker	523	14	2.7%	15,362	6,886	44.8%	60,404	52,097	86.2%	136,981	125,162	91.4%	213,270	184,159	86.4%
Chemical tanker	166	2	1.2%	25,216	20,882	82.8%	28,029	24,337	86.8%	162	162	100.0%	53,573	45,383	84.7%
Combination carrier				179	158	88.3%	207	207	100.0%	523	695	132.9%	909	1,060	116.6%
Gas carrier	14		0.0%	6,249	4,885	78.2%	10,902	8,057	73.9%	33,609	32,188	95.8%	50,774	45,130	88.9%
NLS Tanker	1		0.0%	1,606	1,601	99.7%	4,556	4,556	100.0%	11,268	16,887	149.9%	17,431	23,044	132.2%
High speed passenger craft	9	9	100.0%	205	205	100.0%							214	214	100.0%
Passenger Ship	691	25	3.6%	2,149	1,209	56.3%	2,659	2,611	98.2%	15,338	14,627	95.4%	20,837	18,472	88.6%
RoRo passenger ship	233	2	0.9%	8,353	2,614	31.3%	7,060	5,496	77.8%	278	278	100.1%	15,924	8,390	52.7%
Offshore supply	657	25	3.8%	11,374	3,468	30.5%	340	56	16.5%				12,371	3,549	28.7%
Special purpose ship	131	10	7.6%	2,002	939	46.9%	545	337	61.8%	102	102	100.0%	2,780	1,388	49.9%
Tug	3,873	203	5.2%	1,123	362	32.2%							4,996	565	11.3%
Other special activities	709	99	14.0%	8,611	3,791	44.0%	9,536	6,406	67.2%	1,334	1,915	143.6%	20,190	12,211	60.5%
Other	138	3	2.2%	2,578	1,280	49.7%	4,214	4,054	96.2%	1,167	759	65.0%	8,097	6,096	75.3%
Total	9,099	466	5%	223,583	161,487	72%	427,158	383,788	90%	489,401	461,885	94%	1,149,241	1,007,626	88%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

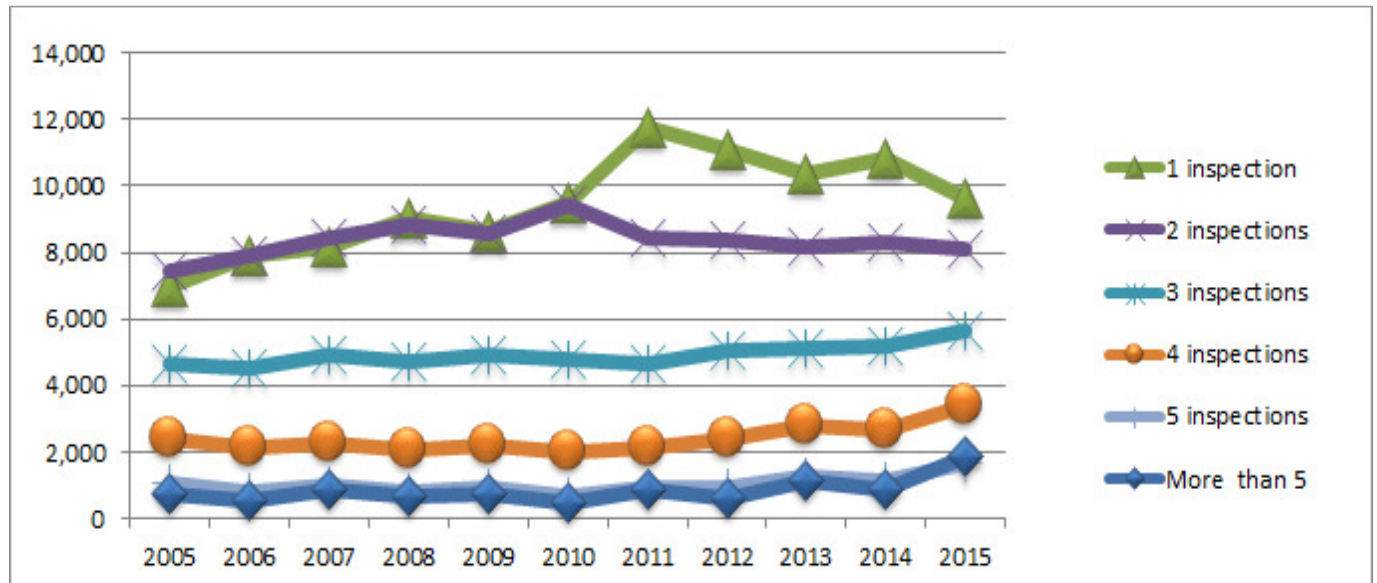
Graph 102 -Total number of inspected ships (all sizes), by PSC type**Graph 103 -Gross tonnage (in 1000 gt) of inspected ships (all sizes), by PSC type**

MULTIPLE INSPECTIONS (2005-2015)

Table 113 - Total number of individual ships inspected^(*), by number of inspections per ship – 2005-2015

Number of inspections per ship	Number of ships inspected																					
	2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
1	6,998	30.1%	7,913	33.2%	8,166	31.9%	9,005	34.6%	8,637	33.2%	9,527	35.5%	11,783	40.8%	11,082	38.9%	10,351	35.9%	10,844	37.4%	9,658	31.8%
2	7,470	32.1%	7,898	33.1%	8,415	32.8%	8,818	33.9%	8,571	33.0%	9,413	35.1%	8,438	29.3%	8,380	29.4%	8,152	28.3%	8,307	28.6%	8,122	26.7%
3	4,627	19.9%	4,529	19.0%	4,939	19.3%	4,687	18.0%	4,949	19.0%	4,781	17.8%	4,670	16.2%	5,021	17.6%	5,102	17.7%	5,200	17.9%	5,642	18.6%
4	2,397	10.3%	2,127	8.9%	2,287	8.9%	2,041	7.8%	2,172	8.4%	1,969	7.3%	2,133	7.4%	2,409	8.5%	2,783	9.7%	2,648	9.1%	3,407	11.2%
5	1,049	4.5%	830	3.5%	972	3.8%	795	3.1%	934	3.6%	672	2.5%	936	3.2%	950	3.3%	1,284	4.5%	1,155	4.0%	1,689	5.6%
More than 5	703	3.0%	552	2.3%	859	3.4%	671	2.6%	724	2.8%	493	1.8%	887	3.1%	631	2.2%	1,149	4.0%	865	3.0%	1,847	6.1%
Total	23,244	100%	23,849	100%	25,638	100%	26,017	100%	25,987	100%	26,855	100%	28,847	100%	28,473	100%	28,821	100%	29,019	100%	30,365	100%

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU- ^(*) Existing ship types in Equasis

Graph 104 -Total number of individual ships inspected^(*), by number of inspections per ship – 2005-2015

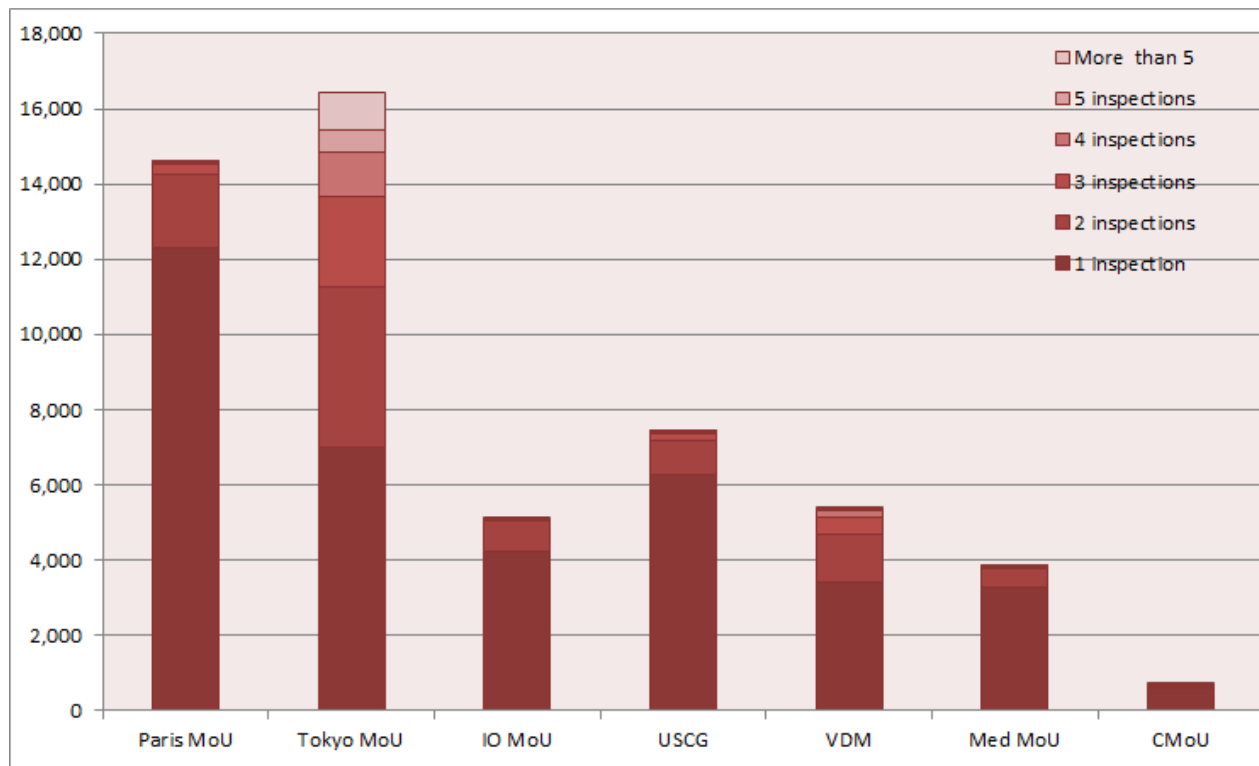
^(*) Existing ship types in Equasis

INSPECTION FREQUENCY BY PSC REGIONS (2015)

Table 114 - Total number of individual ships inspected^(*), by number of inspection per ship and by PSC region - 2015

Number of inspections per ship	Number of individual ships inspected														Overall inspections	
	PMoU		TMoU		IOMoU		USCG		VdMoU		MedMoU		CMoU			
1	12,302	84.3%	6,985	42.5%	4,215	83.0%	6,258	84.5%	3,402	63.2%	3,275	85.4%	609	90.1%	10,844	37.4%
2	1,953	13.4%	4,259	25.9%	821	16.2%	935	12.6%	1,283	23.8%	492	12.8%	58	8.6%	8,307	28.6%
3	278	1.9%	2,398	14.6%	38	0.7%	157	2.1%	444	8.3%	59	1.5%	8	1.2%	5,200	17.9%
4	48	0.3%	1,198	7.3%	2	0.0%	40	0.5%	174	3.2%	5	0.1%	1	0.1%	2,648	9.1%
5	10	0.1%	605	3.7%			9	0.1%	52	1.0%	3	0.1%			1,155	4.0%
More than 5	1	0.0%	971	5.9%			7	0.1%	25	0.5%					865	3.0%
Total	14,592	100%	16,416	100%	5,076	100%	7,406	100%	5,380	100%	3,834	100%	676	100%	29,019	100%

Source: Equasis - Paris MoU, Tokyo MoU, IO MoU, US Coast Guard, VDM, Med MoU, Caribbean MoU- ^(*) All existing ship types in Equasis

Graph 105 -Total number of individual ships inspected^(*), by number of inspection per ship and PSC region - 2015

^(*) All existing ship types in Equasis

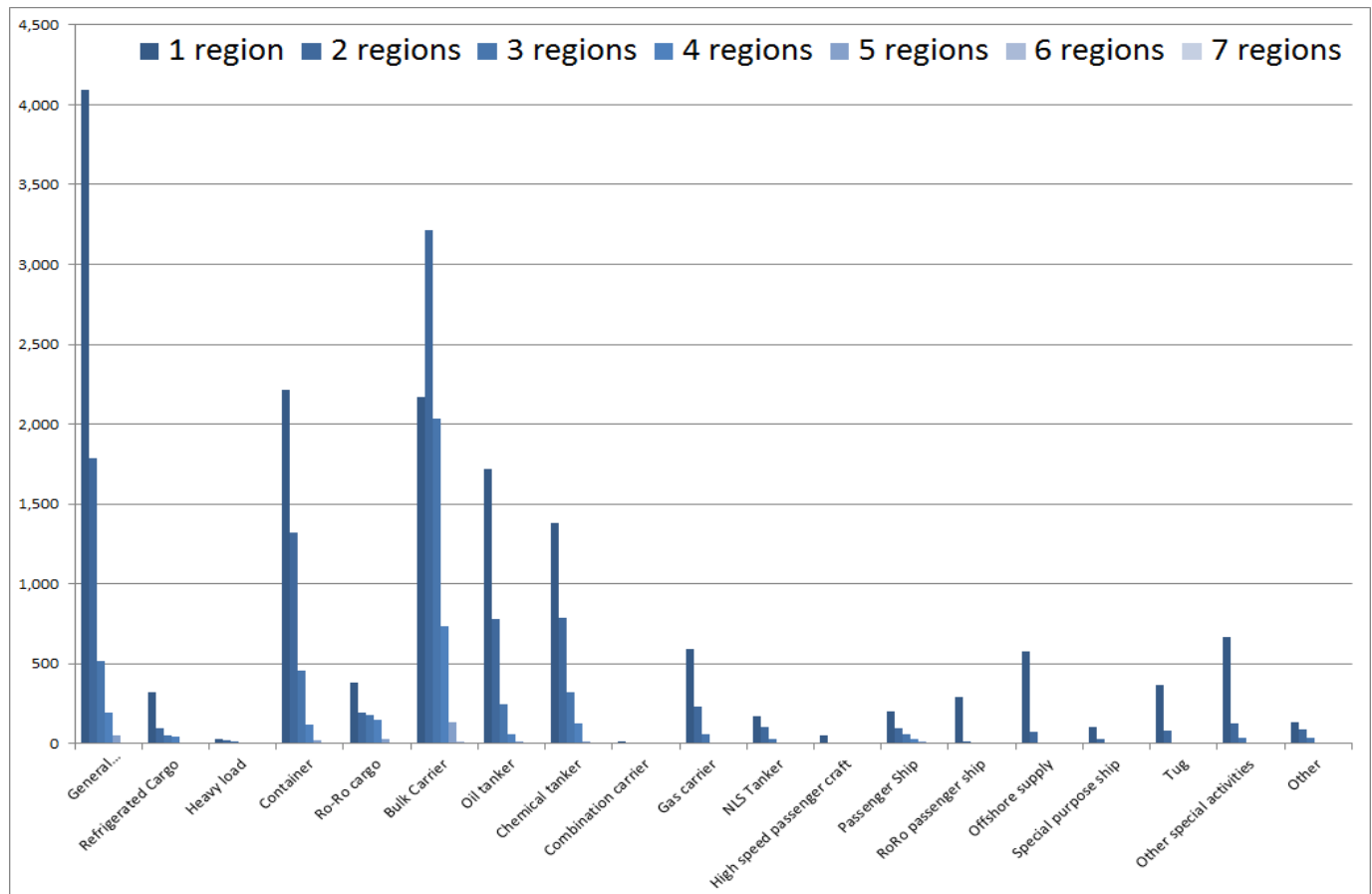
INSPECTIONS IN MORE THAN ONE REGION (2015)

Table 115 - Total number of individual ships inspected per number of PSC regions

Ship Type	Number of ships inspected													
	1 Region		2 Regions		3 Regions		4 Regions		5 Regions		6 Regions		7 Regions	
General cargo/Multipurpose	4,095	26.5%	1,783	19.7%	515	12.7%	197	13.3%	51	17.6%	5	17.9%		
Refrigerated Cargo	322	2.1%	93	1.0%	52	1.3%	41	2.8%	9	3.1%	2	7.1%		
Heavy load	31	0.2%	20	0.2%	16	0.4%	7	0.5%	1	0.3%				
Container	2,215	14.3%	1,323	14.6%	457	11.3%	122	8.2%	18	6.2%	1	3.6%		
Ro-Ro cargo	379	2.4%	192	2.1%	176	4.3%	148	10.0%	31	10.7%	4	14.3%		
Bulk Carrier	2,168	14.0%	3,213	35.6%	2,035	50.2%	732	49.3%	136	47.1%	11	39.3%		
Oil tanker	1,719	11.1%	783	8.7%	246	6.1%	62	4.2%	14	4.8%				
Chemical tanker	1,382	8.9%	784	8.7%	319	7.9%	124	8.4%	13	4.5%				
Combination carrier	16	0.1%	3	0.0%	4	0.1%	1	0.1%						
Gas carrier	593	3.8%	229	2.5%	55	1.4%	9	0.6%	3	1.0%				
NLS Tanker	172	1.1%	101	1.1%	27	0.7%	1	0.1%						
High speed passenger craft	54	0.3%												
Passenger Ship	200	1.3%	93	1.0%	57	1.4%	32	2.2%	13	4.5%	5	17.9%		
RoRo passenger ship	293	1.9%	13	0.1%										
Offshore supply	577	3.7%	73	0.8%	9	0.2%								
Special purpose ship	100	0.6%	30	0.3%	5	0.1%								
Tug	367	2.4%	80	0.9%	3	0.1%								
Other special activities	665	4.3%	128	1.4%	35	0.9%	4	0.3%						
Other	132	0.9%	92	1.0%	39	1.0%	5	0.3%						
Total	15,480	100%	9,033	100%	4,050	100%	1,485	100%	289	100%	28	100%	0	0%

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU

Graph 106 -Ships inspected per number of PSC regions, by type



5.2. SHIPS INSPECTED BETWEEN 2013 AND 2015 – BY AGE

WHOLE FLEET GT≥500

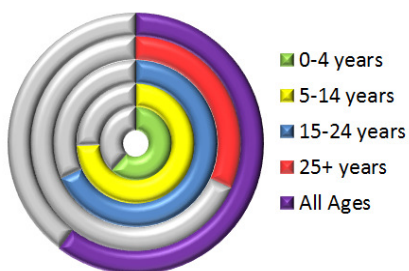
Table 116 - Total number of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,301	685	52.7%	3,851	2,689	69.8%	2,424	1,741	71.8%	5,109	2,279	44.6%	12,685	7,394	58.3%
Refrigerated Cargo	16	6	37.5%	40	37	92.5%	253	220	87.0%	626	344	55.0%	935	607	64.9%
Heavy load	33	20	60.6%	35	25	71.4%	16	16	100.0%	32	30	93.8%	116	91	78.4%
Container	888	749	84.3%	2,647	2,522	95.3%	1,246	1,095	87.9%	207	97	46.9%	4,988	4,463	89.5%
Ro-Ro cargo	148	128	86.5%	500	461	92.2%	304	251	82.6%	312	181	58.0%	1,264	1,021	80.8%
Bulk Carrier	3,301	2,751	83.3%	4,575	4,313	94.3%	1,499	1,417	94.5%	472	250	53.0%	9,847	8,731	88.7%
Oil tanker	1,019	448	44.0%	2,997	2,285	76.2%	1,236	608	49.2%	1,709	201	11.8%	6,961	3,542	50.9%
Chemical tanker	662	464	70.1%	2,261	1,918	84.8%	707	518	73.3%	482	122	25.3%	4,112	3,022	73.5%
Combination carrier	2	2	100.0%	16	16	100.0%	9	9	100.0%	5	4	80.0%	32	31	96.9%
Gas carrier	337	207	61.4%	684	581	84.9%	364	236	64.8%	317	115	36.3%	1,702	1,139	66.9%
NLS Tanker	43	43	100.0%	234	234	100.0%	74	74	100.0%	20	16	80.0%	371	367	98.9%
High speed passenger craft				9	9	100.0%	34	34	100.0%	1	1	100.0%	44	44	100.0%
Passenger Ship	53	30	56.6%	240	104	43.3%	287	111	38.7%	365	127	34.8%	945	372	39.4%
RoRo passenger ship	190	14	7.4%	457	94	20.6%	450	113	25.1%	915	143	15.6%	2,012	364	18.1%
Offshore supply	1,164	320	27.5%	1,988	437	22.0%	354	102	28.8%	1,305	205	15.7%	4,811	1,063	22.1%
Special purpose ship	64	31	48.4%	100	43	43.0%	74	36	48.6%	309	68	22.0%	547	178	32.5%
Tug	141	34	24.1%	333	115	34.5%	96	13	13.5%	467	46	9.9%	1,037	208	20.1%
Other special activities	506	186	36.8%	792	353	44.6%	420	131	31.2%	1,391	312	22.4%	3,109	982	31.6%
Other	88	37	42.0%	188	100	53.2%	121	67	55.4%	311	23	7.4%	708	227	32.1%
Total	9,956	6,155	62%	21,947	16,336	74%	9,968	6,792	68%	14,355	4,564	32%	56,226	33,846	60%

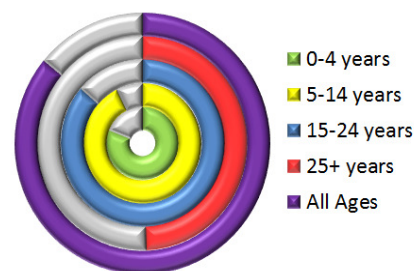
Table 117 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	13,697	11,500	84.0%	26,451	24,048	90.9%	13,766	12,020	87.3%	15,038	8,749	58.2%	68,952	56,317	81.7%
Refrigerated Cargo	62	30	48.4%	359	352	98.1%	1,805	1,729	95.8%	2,480	1,797	72.5%	4,706	3,908	83.0%
Heavy load	1,331	917	68.9%	513	352	68.6%	287	287	100.0%	955	942	98.6%	3,086	2,498	80.9%
Container	64,995	59,351	91.3%	113,528	111,838	98.5%	31,370	29,916	95.4%	3,317	2,051	61.8%	213,210	203,156	95.3%
Ro-Ro cargo	6,998	6,584	94.1%	21,887	21,423	97.9%	8,478	8,161	96.3%	3,998	3,235	80.9%	41,361	39,403	95.3%
Bulk Carrier	147,461	125,520	85.1%	192,095	186,610	97.1%	55,720	53,605	96.2%	11,032	6,402	58.0%	406,308	372,137	91.6%
Oil tanker	41,129	28,425	69.1%	148,171	131,280	88.6%	45,125	35,421	78.5%	6,764	839	12.4%	241,189	195,965	81.2%
Chemical tanker	12,839	10,035	78.2%	31,508	28,791	91.4%	7,063	5,795	82.0%	1,995	759	38.0%	53,405	45,380	85.0%
Combination carrier	35	35	100.0%	400	400	100.0%	392	392	100.0%	81	61	75.3%	908	888	97.8%
Gas carrier	14,088	8,156	57.9%	33,436	30,576	91.4%	8,286	5,096	61.5%	4,286	2,722	63.5%	60,096	46,550	77.5%
NLS Tanker	2,503	2,503	100.0%	11,071	11,071	100.0%	3,610	3,610	100.0%	246	241	98.0%	17,430	17,425	100.0%
High speed passenger craft				51	51	100.0%	151	151	100.0%	3	3	100.0%	205	205	100.0%
Passenger Ship	3,310	2,696	81.5%	8,850	8,604	97.2%	5,882	5,559	94.5%	2,713	2,298	84.7%	20,755	19,157	92.3%
RoRo passenger ship	1,189	295	24.8%	5,008	2,725	54.4%	4,584	2,823	61.6%	4,908	2,545	51.9%	15,689	8,388	53.5%
Offshore supply	4,251	1,353	31.8%	4,855	1,453	29.9%	897	351	39.1%	1,770	366	20.7%	11,773	3,467	29.4%
Special purpose ship	527	400	75.9%	679	413	60.8%	473	206	43.6%	1,179	358	30.4%	2,858	1,377	48.2%
Tug	175	73	41.7%	427	211	49.4%	97	26	26.8%	423	51	12.1%	1,122	361	32.2%
Other special activities	8,408	4,172	49.6%	8,117	4,091	50.4%	5,153	1,617	31.4%	10,236	1,651	16.1%	31,914	11,531	36.1%
Other	1,914	1,039	54.3%	3,381	2,888	85.4%	1,752	1,557	88.9%	1,561	1,018	65.2%	8,608	6,502	75.5%
Total	324,912	263,084	81%	610,787	567,177	93%	194,891	168,322	86%	72,985	36,088	49%	1,203,575	1,034,615	86%

Graph 107 - Proportion of inspected ships GT≥500, by age



Graph 108 - Proportion of gross tonnage inspected ships GT≥500, by age



MEDIUM SIZED SHIPS

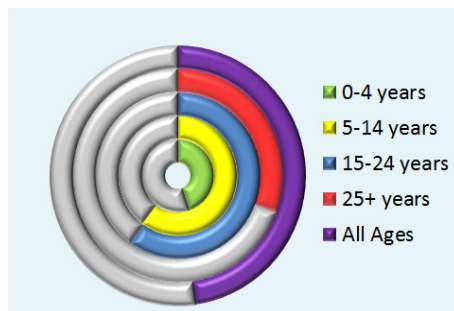
Table 118 - Total number of medium sized ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,153	545	47.3%	3,703	2,541	68.6%	2,317	1,634	70.5%	5,066	2,240	44.2%	12,239	6,960	56.9%
Refrigerated Cargo	16	6	37.5%	39	36	92.3%	253	220	87.0%	623	344	55.2%	931	606	65.1%
Heavy load	17	11	64.7%	32	23	71.9%	12	12	100.0%	9	7	77.8%	70	53	75.7%
Container	227	151	66.5%	960	865	90.1%	791	642	81.2%	159	66	41.5%	2,137	1,724	80.7%
Ro-Ro cargo	32	15	46.9%	108	73	67.6%	177	124	70.1%	266	136	51.1%	583	348	59.7%
Bulk Carrier	804	676	84.1%	1,298	1,124	86.6%	454	428	94.3%	335	183	54.6%	2,891	2,411	83.4%
Oil tanker	583	130	22.3%	1,039	484	46.6%	698	185	26.5%	1,649	193	11.7%	3,969	992	25.0%
Chemical tanker	352	216	61.4%	1,702	1,401	82.3%	629	457	72.7%	473	118	24.9%	3,156	2,192	69.5%
Combination carrier	1	1	100.0%	9	9	100.0%	3	3	100.0%	4	3	75.0%	17	16	94.1%
Gas carrier	171	119	69.6%	346	268	77.5%	275	177	64.4%	269	83	30.9%	1,061	647	61.0%
NLS Tanker	13	13	100.0%	97	97	100.0%	37	37	100.0%	17	13	76.5%	164	160	97.6%
High speed passenger craft				9	9	100.0%	34	34	100.0%	1	1	100.0%	44	44	100.0%
Passenger Ship	25	7	28.0%	152	17	11.2%	211	35	16.6%	330	92	27.9%	718	151	21.0%
RoRo passenger ship	177	8	4.5%	374	34	9.1%	378	55	14.6%	874	106	12.1%	1,803	203	11.3%
Offshore supply	1,159	320	27.6%	1,987	437	22.0%	352	101	28.7%	1,303	205	15.7%	4,801	1,063	22.1%
Special purpose ship	60	27	45.0%	95	40	42.1%	73	36	49.3%	302	65	21.5%	530	168	31.7%
Tug	141	34	24.1%	333	115	34.5%	96	13	13.5%	467	46	9.9%	1,037	208	20.1%
Other special activities	389	119	30.6%	686	291	42.4%	362	108	29.8%	1,309	294	22.5%	2,746	812	29.6%
Other	64	23	35.9%	131	44	33.6%	90	37	41.1%	295	9	3.1%	580	113	19.5%
Total	5,384	2,421	45%	13,100	7,908	60%	7,242	4,338	60%	13,751	4,204	31%	39,477	18,871	48%

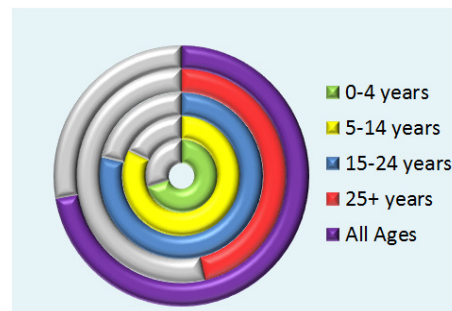
Table 119 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	7,735	5,759	74.5%	20,625	18,222	88.3%	10,078	8,332	82.7%	13,667	7,514	55.0%	52,105	39,827	76.4%
Refrigerated Cargo	62	30	48.4%	326	319	97.9%	1,805	1,729	95.8%	2,366	1,797	76.0%	4,559	3,875	85.0%
Heavy load	236	158	66.9%	403	284	70.5%	108	108	100.0%	131	118	90.1%	878	668	76.1%
Container	2,723	2,033	74.7%	11,265	10,698	95.0%	9,332	7,954	85.2%	1,439	760	52.8%	24,759	21,445	86.6%
Ro-Ro cargo	399	204	51.1%	1,357	1,083	79.8%	1,919	1,602	83.5%	1,929	1,194	61.9%	5,604	4,083	72.9%
Bulk Carrier	16,642	14,206	85.4%	21,696	19,295	88.9%	7,297	7,005	96.0%	5,034	2,802	55.7%	50,669	43,308	85.5%
Oil tanker	2,080	705	33.9%	6,277	4,353	69.3%	3,066	1,319	43.0%	3,939	509	12.9%	15,362	6,886	44.8%
Chemical tanker	3,587	2,632	73.4%	15,071	13,569	90.0%	4,854	4,066	83.8%	1,703	615	36.1%	25,215	20,882	82.8%
Combination carrier	5	5	100.0%	116	116	100.0%	11	11	100.0%	47	27	57.4%	179	159	88.8%
Gas carrier	1,263	1,001	79.3%	2,648	2,364	89.3%	1,420	1,098	77.3%	918	422	46.0%	6,249	4,885	78.2%
NLS Tanker	166	166	100.0%	1,016	1,016	100.0%	347	347	100.0%	77	72	93.5%	1,606	1,601	99.7%
High speed passenger craft				51	51	100.0%	151	151	100.0%	3	3	100.0%	205	205	100.0%
Passenger Ship	71	33	46.5%	239	74	31.0%	697	374	53.7%	1,143	728	63.7%	2,150	1,209	56.2%
RoRo passenger ship	701	46	6.6%	1,946	431	22.1%	2,158	830	38.5%	3,547	1,308	36.9%	8,352	2,615	31.3%
Offshore supply	4,035	1,353	33.5%	4,830	1,453	30.1%	807	295	36.6%	1,702	366	21.5%	11,374	3,467	30.5%
Special purpose ship	319	192	60.2%	448	279	62.3%	326	206	63.2%	908	261	28.7%	2,001	938	46.9%
Tug	175	73	41.7%	427	211	49.4%	97	26	26.8%	423	51	12.1%	1,122	361	32.2%
Other special activities	1,696	877	51.7%	2,591	1,390	53.6%	1,321	634	48.0%	3,004	890	29.6%	8,612	3,791	44.0%
Other	348	157	45.1%	778	323	41.5%	469	300	64.0%	983	500	50.9%	2,578	1,280	49.7%
Total	42,243	29,630	70%	92,110	75,531	82%	46,263	36,387	79%	42,963	19,937	46%	223,579	161,485	72%

Graph 109 - Proportion of medium sized inspected ships, by age



Graph 110 - Proportion of gross tonnage for medium sized inspected ships, by age



LARGE SHIPS

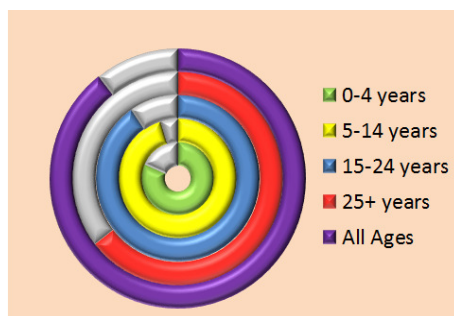
Table 120 - Total number of large ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	136	128	94.1%	136	136	100.0%	103	103	100.0%	43	39	90.7%	418	406	97.1%
Refrigerated Cargo				1	1	100.0%				3		0.0%	4	1	25.0%
Heavy load	12	7	58.3%	3	2	66.7%	4	4	100.0%	23	23	100.0%	42	36	85.7%
Container	226	195	86.3%	1,004	974	97.0%	297	295	99.3%	48	31	64.6%	1,575	1,495	94.9%
Ro-Ro cargo	74	73	98.6%	281	279	99.3%	109	109	100.0%	46	45	97.8%	510	506	99.2%
Bulk Carrier	1,953	1,605	82.2%	2,423	2,337	96.5%	853	798	93.6%	124	55	44.4%	5,353	4,795	89.6%
Oil tanker	119	91	76.5%	1,022	955	93.4%	284	208	73.2%	49	7	14.3%	1,474	1,261	85.5%
Chemical tanker	310	248	80.0%	558	516	92.5%	78	61	78.2%	9	4	44.4%	955	829	86.8%
Combination carrier	1	1	100.0%	5	5	100.0%				1	1	100.0%	7	7	100.0%
Gas carrier	81	35	43.2%	103	99	96.1%	39	33	84.6%	22	14	63.6%	245	181	73.9%
NLS Tanker	15	15	100.0%	75	75	100.0%	21	21	100.0%	2	2	100.0%	113	113	100.0%
High speed passenger craft															
Passenger Ship	4	3	75.0%	10	10	100.0%	26	26	100.0%	28	28	100.0%	68	67	98.5%
RoRo passenger ship	13	6	46.2%	79	56	70.9%	72	58	80.6%	41	37	90.2%	205	157	76.6%
Offshore supply	4		0.0%	1		0.0%	2	1	50.0%	2		0.0%	9		0.0%
Special purpose ship	3	3	100.0%	5	3	60.0%				6	3	50.0%	14	9	64.3%
Tug															
Other special activities	73	56	76.7%	79	62	78.5%	35	20	57.1%	32	16	50.0%	219	154	70.3%
Other	6	5	83.3%	48	47	97.9%	31	30	96.8%	16	14	87.5%	101	96	95.0%
Total	3,030	2,471	82%	5,833	5,557	95%	1,954	1,767	90%	495	319	64%	11,312	10,113	89%

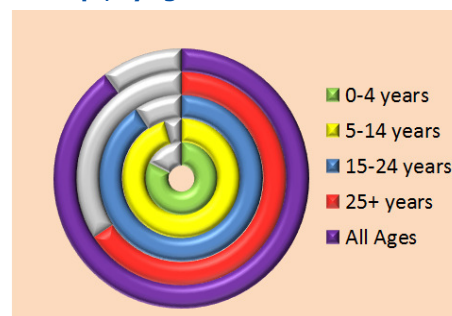
Table 121 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,909	4,688	95.5%	4,997	4,997	100.0%	3,382	3,382	100.0%	1,371	1,235	90.1%	14,659	14,302	97.6%
Refrigerated Cargo				33	33	100.0%				114		0.0%	147	33	22.4%
Heavy load	471	263	55.8%	110	68	61.8%	179	179	100.0%	824	824	100.0%	1,584	1,334	84.2%
Container	9,400	8,257	87.8%	38,936	37,813	97.1%	10,761	10,685	99.3%	1,878	1,291	68.7%	60,975	58,046	95.2%
Ro-Ro cargo	3,694	3,647	98.7%	13,406	13,347	99.6%	5,330	5,330	100.0%	2,069	2,041	98.6%	24,499	24,365	99.5%
Bulk Carrier	74,589	62,225	83.4%	89,241	86,337	96.7%	28,728	26,969	93.9%	4,284	1,963	45.8%	196,842	177,494	90.2%
Oil tanker	4,636	3,509	75.7%	41,760	39,038	93.5%	12,203	9,300	76.2%	1,806	250	13.8%	60,405	52,097	86.2%
Chemical tanker	9,252	7,403	80.0%	16,275	15,060	92.5%	2,209	1,729	78.3%	292	144	49.3%	28,028	24,336	86.8%
Combination carrier	30	30	100.0%	142	142	100.0%				34	34	100.0%	206	206	100.0%
Gas carrier	3,638	1,571	43.2%	4,579	4,399	96.1%	1,715	1,449	84.5%	970	637	65.7%	10,902	8,056	73.9%
NLS Tanker	561	561	100.0%	2,977	2,977	100.0%	938	938	100.0%	80	80	100.0%	4,556	4,556	100.0%
High speed passenger craft															
Passenger Ship	173	125	72.3%	367	367	100.0%	1,042	1,042	100.0%	1,077	1,077	100.0%	2,659	2,611	98.2%
RoRo passenger ship	488	249	51.0%	2,784	2,016	72.4%	2,426	1,993	82.2%	1,361	1,237	90.9%	7,059	5,495	77.8%
Offshore supply	156		0.0%	25		0.0%	90	56	62.2%	68		0.0%	339		0.0%
Special purpose ship	106	106	100.0%	231	134	58.0%				207	97	46.9%	544	337	61.9%
Tug															
Other special activities	3,189	2,319	72.7%	3,593	2,701	75.2%	1,458	784	53.8%	1,296	602	46.5%	9,536	6,406	67.2%
Other	301	265	88.0%	2,053	2,015	98.1%	1,283	1,257	98.0%	578	518	89.6%	4,215	4,055	96.2%
Total	115,593	95,218	82%	221,509	211,444	95%	71,744	65,093	91%	18,309	12,030	66%	427,155	383,729	90%

Graph 111 - Proportion of large inspected ships, by age



Graph 112 - Proportion of gross tonnage for large inspected ships, by age



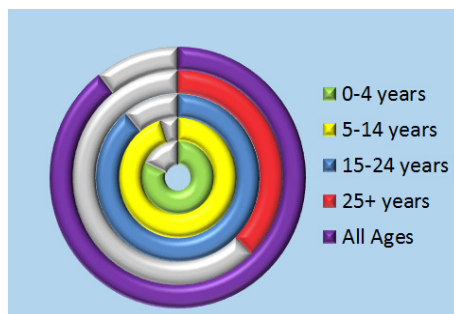
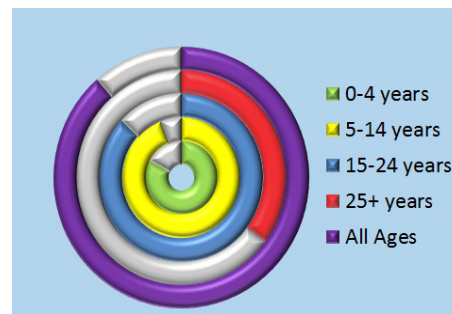
VERY LARGE SHIPS

Table 122 - Total number of very large ships with and without inspections, by age and size

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	12	12	100.0%	12	12	100.0%	4	4	100.0%				28	28	100.0%
Refrigerated Cargo															
Heavy load	4	2	50.0%										4	2	50.0%
Container	435	403	92.6%	683	683	100.0%	158	158	100.0%				1,276	1,244	97.5%
Ro-Ro cargo	42	40	95.2%	111	109	98.2%	18	18	100.0%				171	167	97.7%
Bulk Carrier	544	470	86.4%	854	852	99.8%	192	191	99.5%	13	12	92.3%	1,603	1,525	95.1%
Oil tanker	317	227	71.6%	936	846	90.4%	254	215	84.6%	11	1	9.1%	1,518	1,289	84.9%
Chemical tanker				1	1	100.0%							1	1	100.0%
Combination carrier				2	2	100.0%	6	6	100.0%				8	8	100.0%
Gas carrier	85	53	62.4%	235	214	91.1%	50	26	52.0%	26	18	69.2%	396	311	78.5%
NLS Tanker	15	15	100.0%	62	62	100.0%	16	16	100.0%	1	1	100.0%	94	94	100.0%
High speed passenger craft															
Passenger Ship	24	20	83.3%	78	77	98.7%	50	50	100.0%	7	7	100.0%	159	154	96.9%
RoRo passenger ship				4	4	100.0%							4	4	100.0%
Offshore supply	1		0.0%										1		
Special purpose ship	1	1	100.0%				1		0.0%	1		0.0%	3	1	33.3%
Tug															
Other special activities	44	11	25.0%	27		0.0%	23	3	13.0%	50	2	4.0%	144	16	11.1%
Other	18	9	50.0%	9	9	100.0%							27	18	66.7%
Total	1,542	1,263	82%	3,014	2,871	95%	772	687	89%	109	41	38%	5,437	4,862	89%

Table 123 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by age and size

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,053	1,053	100.0%	829	829	100.0%	306	306	100.0%				2,188	2,188	100.0%
Refrigerated Cargo															
Heavy load	624	496	79.5%										624	496	79.5%
Container	52,872	49,061	92.8%	63,327	63,327	100.0%	11,277	11,277	100.0%				127,476	123,665	97.0%
Ro-Ro cargo	2,905	2,733	94.1%	7,124	6,993	98.2%	1,229	1,229	100.0%				11,258	10,955	97.3%
Bulk Carrier	56,230	49,089	87.3%	81,158	80,978	99.8%	19,695	19,631	99.7%	1,714	1,637	95.5%	158,797	151,335	95.3%
Oil tanker	34,413	24,211	70.4%	100,134	87,889	87.8%	29,856	24,802	83.1%	1,019	80	7.9%	165,422	136,982	82.8%
Chemical tanker				162	162	100.0%							162	162	100.0%
Combination carrier				142	142	100.0%	381	381	100.0%				523	523	100.0%
Gas carrier	9,187	5,584	60.8%	26,209	23,813	90.9%	5,151	2,549	49.5%	2,398	1,663	69.3%	42,945	33,609	78.3%
NLS Tanker	1,776	1,776	100.0%	7,078	7,078	100.0%	2,325	2,325	100.0%	89	89	100.0%	11,268	11,268	100.0%
High speed passenger craft															
Passenger Ship	3,066	2,538	82.8%	8,244	8,163	99.0%	4,143	4,143	100.0%	493	493	100.0%	15,946	15,337	96.2%
RoRo passenger ship				278	278	100.0%							278	278	100.0%
Offshore supply	60		0.0%										60		
Special purpose ship	102	102	100.0%				147		0.0%	64		0.0%	313	102	32.6%
Tug															
Other special activities	3,523	976	27.7%	1,933		0.0%	2,374	199	8.4%	5,936	159	2.7%	13,766	1,334	9.7%
Other	1,265	617	48.8%	550	550	100.0%							1,815	1,167	64.3%
Total	167,076	138,236	83%	297,168	280,202	94%	76,884	66,842	87%	11,713	4,121	35%	552,841	489,401	89%

Graph 113 - Proportion of very large inspected ships, by age**Graph 114 - Proportion of gross tonnage for very large inspected ships, by age**

5.3. SHIPS INSPECTED BETWEEN 2013 AND 2015 – BY P&I

WHOLE FLEET GT≥500

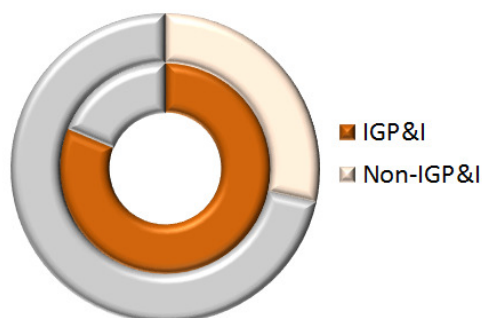
Table 124 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,343	3,942	90.8%	8,342	3,452	41.4%	12,685	7,394	58.3%
Refrigerated Cargo	347	322	92.8%	588	285	48.5%	935	607	64.9%
Heavy load	91	82	90.1%	25	9	36.0%	116	91	78.4%
Container	4,350	4,109	94.5%	638	354	55.5%	4,988	4,463	89.5%
Ro-Ro cargo	914	876	95.8%	350	145	41.4%	1,264	1,021	80.8%
Bulk Carrier	8,690	8,178	94.1%	1,157	553	47.8%	9,847	8,731	88.7%
Oil tanker	4,412	3,235	73.3%	2,549	307	12.0%	6,961	3,542	50.9%
Chemical tanker	3,279	2,795	85.2%	833	227	27.3%	4,112	3,022	73.5%
Combination carrier	30	29	96.7%	2	2	100.0%	32	31	96.9%
Gas carrier	1,302	1,041	80.0%	400	98	24.5%	1,702	1,139	66.9%
NLS Tanker	346	346	100.0%	25	21	84.0%	371	367	98.9%
High speed passenger craft	32	32	100.0%	12	12	100.0%	44	44	100.0%
Passenger Ship	443	323	72.9%	502	49	9.8%	945	372	39.4%
RoRo passenger ship	667	298	44.7%	1,345	66	4.9%	2,012	364	18.1%
Offshore supply	2,732	838	30.7%	2,079	226	10.9%	4,811	1,063	22.1%
Special purpose ship	181	126	69.6%	366	52	14.2%	547	178	32.5%
Tug	447	145	32.4%	590	63	10.7%	1,037	208	20.1%
Other special activities	1,075	666	62.0%	2,034	316	15.5%	3,109	982	31.6%
Other	288	216	75.0%	420	99	23.6%	708	315	44.5%
Total	33,969	27,599	81%	22,257	6,336	28%	56,226	33,934	60%

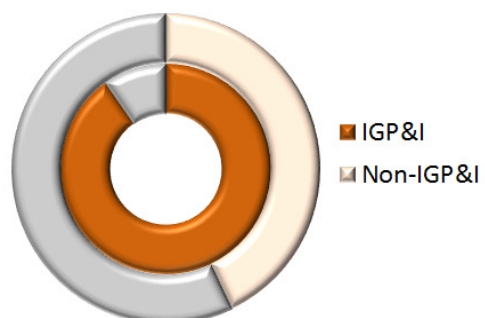
Table 125 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	45,257	43,419	95.9%	23,694	12,899	54.4%	68,951	56,318	81.7%
Refrigerated Cargo	2,636	2,536	96.2%	2,070	1,372	66.3%	4,706	3,908	83.0%
Heavy load	2,648	2,360	89.1%	438	138	31.5%	3,086	2,498	80.9%
Container	205,683	197,843	96.2%	7,527	5,312	70.6%	213,210	203,155	95.3%
Ro-Ro cargo	38,111	37,399	98.1%	3,251	2,004	61.6%	41,362	39,403	95.3%
Bulk Carrier	380,926	360,346	94.6%	25,383	11,791	46.5%	406,309	372,137	91.6%
Oil tanker	222,986	189,736	85.1%	18,202	6,228	34.2%	241,188	195,964	81.2%
Chemical tanker	50,095	44,118	88.1%	3,312	1,263	38.1%	53,407	45,381	85.0%
Combination carrier	903	883	97.8%	6	6	100.0%	909	889	97.8%
Gas carrier	57,312	44,614	77.8%	2,785	1,935	69.5%	60,097	46,549	77.5%
NLS Tanker	17,112	17,112	100.0%	318	313	98.4%	17,430	17,425	100.0%
High speed passenger craft	159	159	100.0%	46	46	100.0%	205	205	100.0%
Passenger Ship	19,544	18,765	96.0%	1,210	393	32.5%	20,754	19,158	92.3%
RoRo passenger ship	10,264	7,541	73.5%	5,427	848	15.6%	15,691	8,389	53.5%
Offshore supply	8,012	3,040	37.9%	3,762	483	12.8%	11,774	3,467	29.4%
Special purpose ship	1,664	1,173	70.5%	1,195	205	17.2%	2,859	1,378	48.2%
Tug	581	279	48.0%	542	83	15.3%	1,123	362	32.2%
Other special activities	22,306	10,098	45.3%	9,608	1,432	14.9%	31,914	11,530	36.1%
Other	6,968	5,875	84.3%	1,638	627	38.3%	8,606	6,502	75.6%
Total	1,093,167	987,296	90%	110,414	47,378	43%	1,203,581	1,034,618	86%

Graph 115 - Proportion of inspected ships GT≥500, by P&I status



Graph 116 - Proportion of gross tonnage for inspected ships GT≥500, by P&I status



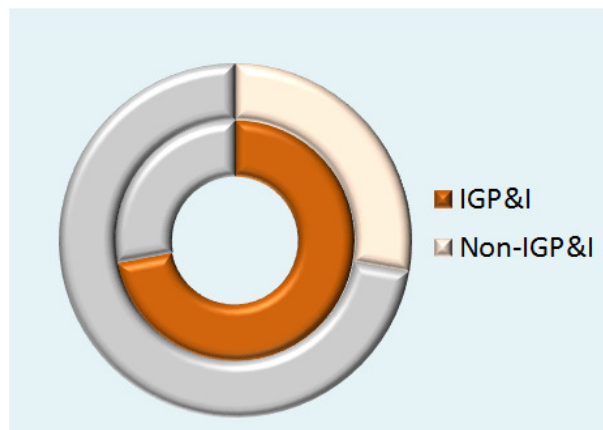
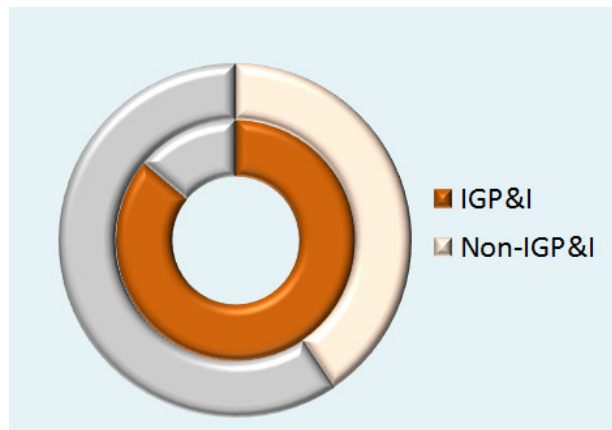
MEDIUM SHIPS

Table 126 - Total number of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,916	3,525	90.0%	8,323	3,435	41.3%	12,239	6,960	56.9%
Refrigerated Cargo	346	321	92.8%	585	285	48.7%	931	606	65.1%
Heavy load	51	46	90.2%	19	7	36.8%	70	53	75.7%
Container	1,564	1,427	91.2%	573	297	51.8%	2,137	1,724	80.7%
Ro-Ro cargo	255	225	88.2%	328	123	37.5%	583	348	59.7%
Bulk Carrier	2,172	2,034	93.6%	719	377	52.4%	2,891	2,411	83.4%
Oil tanker	1,548	736	47.5%	2,421	256	10.6%	3,969	992	25.0%
Chemical tanker	2,340	1,972	84.3%	816	220	27.0%	3,156	2,192	69.5%
Combination carrier	15	14	93.3%	2	2	100.0%	17	16	94.1%
Gas carrier	688	569	82.7%	373	78	20.9%	1,061	647	61.0%
NLS Tanker	144	144	100.0%	20	16	80.0%	164	160	97.6%
High speed passenger craft	32	32	100.0%	12	12	100.0%	44	44	100.0%
Passenger Ship	219	105	47.9%	499	46	9.2%	718	151	21.0%
RoRo passenger ship	477	145	30.4%	1,326	58	4.4%	1,803	203	11.3%
Offshore supply	2,727	837	30.7%	2,074	226	10.9%	4,801	1,063	22.1%
Special purpose ship	167	117	70.1%	363	51	14.0%	530	168	31.7%
Tug	447	145	32.4%	590	63	10.7%	1,037	208	20.1%
Other special activities	791	507	64.1%	1,955	305	15.6%	2,746	812	29.6%
Other	166	107	64.5%	414	94	22.7%	580	201	34.7%
Total	18,065	13,008	72%	21,412	5,951	28%	39,477	18,959	48%

Table 127 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	29,010	27,463	94.7%	23,095	12,365	53.5%	52,105	39,828	76.4%
Refrigerated Cargo	2,603	2,503	96.2%	1,956	1,372	70.1%	4,559	3,875	85.0%
Heavy load	685	604	88.2%	193	64	33.2%	878	668	76.1%
Container	20,267	18,674	92.1%	4,492	2,771	61.7%	24,759	21,445	86.6%
Ro-Ro cargo	3,435	3,161	92.0%	2,169	922	42.5%	5,604	4,083	72.9%
Bulk Carrier	40,850	38,377	93.9%	9,820	4,931	50.2%	50,670	43,308	85.5%
Oil tanker	9,555	6,023	63.0%	5,806	863	14.9%	15,361	6,886	44.8%
Chemical tanker	22,398	19,831	88.5%	2,818	1,051	37.3%	25,216	20,882	82.8%
Combination carrier	173	153	88.4%	6	6	100.0%	179	159	88.8%
Gas carrier	5,457	4,582	84.0%	792	302	38.1%	6,249	4,884	78.2%
NLS Tanker	1,490	1,490	100.0%	116	111	95.7%	1,606	1,601	99.7%
High speed passenger craft	159	159	100.0%	46	46	100.0%	205	205	100.0%
Passenger Ship	1,026	903	88.0%	1,123	306	27.2%	2,149	1,209	56.3%
RoRo passenger ship	3,533	2,019	57.1%	4,820	596	12.4%	8,353	2,615	31.3%
Offshore supply	7,789	2,984	38.3%	3,586	483	13.5%	11,375	3,467	30.5%
Special purpose ship	1,043	768	73.6%	959	171	17.8%	2,002	939	46.9%
Tug	581	279	48.0%	542	83	15.3%	1,123	362	32.2%
Other special activities	3,964	2,916	73.6%	4,648	875	18.8%	8,612	3,791	44.0%
Other	1,149	837	72.8%	1,429	443	31.0%	2,578	1,280	49.7%
Total	155,167	133,726	86%	68,416	27,761	41%	223,583	161,487	72%

Graph 117 -Proportion of medium sized inspected ships, by P&I status**Graph 118 - Proportion of gross tonnage for medium sized inspected ships, by P&I status**

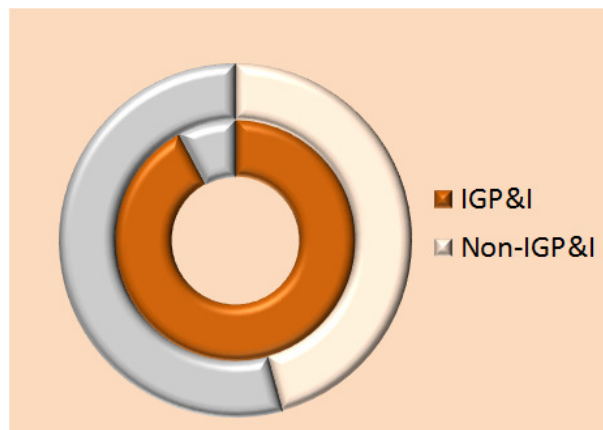
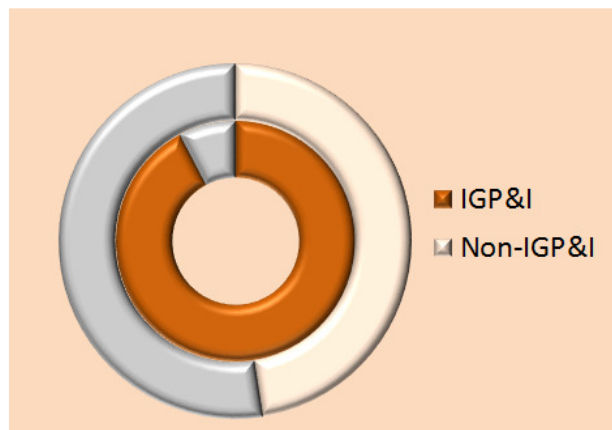
LARGE SHIPS

Table 128 - Total number of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	399	389	97.5%	19	17	89.5%	418	406	97.1%
Refrigerated Cargo	1	1	100.0%	3		0.0%	4	1	25.0%
Heavy load	37	34	91.9%	5	2	40.0%	42	36	85.7%
Container	1,520	1,446	95.1%	55	49	89.1%	1,575	1,495	94.9%
Ro-Ro cargo	490	486	99.2%	20	20	100.0%	510	506	99.2%
Bulk Carrier	4,935	4,634	93.9%	418	161	38.5%	5,353	4,795	89.6%
Oil tanker	1,421	1,244	87.5%	53	17	32.1%	1,474	1,261	85.5%
Chemical tanker	938	822	87.6%	17	7	41.2%	955	829	86.8%
Combination carrier	7	7	100.0%				7	7	100.0%
Gas carrier	233	175	75.1%	12	6	50.0%	245	181	73.9%
NLS Tanker	108	108	100.0%	5	5	100.0%	113	113	100.0%
High speed passenger craft									
Passenger Ship	65	64	98.5%	3	3	100.0%	68	67	98.5%
RoRo passenger ship	186	149	80.1%	19	8	42.1%	205	157	76.6%
Offshore supply	4	1	25.0%	5		0.0%	9		0.0%
Special purpose ship	12	8	66.7%	2	1	50.0%	14	9	64.3%
Tug									
Other special activities	183	145	79.2%	36	9	25.0%	219	154	70.3%
Other	95	91	95.8%	6	5	83.3%	101	96	95.0%
Total	10,634	9,804	92%	678	310	46%	11,312	10,113	89%

Table 129 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	14,059	13,768	97.9%	599	534	89.1%	14,658	14,302	97.6%
Refrigerated Cargo	33	33	100.0%	114		0.0%	147	33	22.4%
Heavy load	1,406	1,260	89.6%	178	74	41.6%	1,584	1,334	84.2%
Container	58,945	56,208	95.4%	2,030	1,837	90.5%	60,975	58,045	95.2%
Ro-Ro cargo	23,563	23,428	99.4%	937	937	100.0%	24,500	24,365	99.4%
Bulk Carrier	183,062	171,995	94.0%	13,780	5,500	39.9%	196,842	177,495	90.2%
Oil tanker	58,335	51,335	88.0%	2,069	762	36.8%	60,404	52,097	86.2%
Chemical tanker	27,535	24,125	87.6%	494	212	42.9%	28,029	24,337	86.8%
Combination carrier	207	207	100.0%				207	207	100.0%
Gas carrier	10,359	7,792	75.2%	544	264	48.5%	10,903	8,056	73.9%
NLS Tanker	4,354	4,354	100.0%	202	202	100.0%	4,556	4,556	100.0%
High speed passenger craft									
Passenger Ship	2,572	2,524	98.1%	87	87	100.0%	2,659	2,611	98.2%
RoRo passenger ship	6,453	5,244	81.3%	607	252	41.5%	7,060	5,496	77.8%
Offshore supply	163	56	34.4%	176		0.0%	339		0.0%
Special purpose ship	455	303	66.6%	89	34	38.2%	544	337	61.9%
Tug									
Other special activities	7,873	5,986	76.0%	1,663	419	25.2%	9,536	6,405	67.2%
Other	4,005	3,871	96.7%	209	184	88.0%	4,214	4,055	96.2%
Total	403,379	372,489	92%	23,778	11,298	48%	427,157	383,731	90%

Graph 119 - Proportion of large inspected ships, by P&I status**Graph 120 - Proportion of gross tonnage for large inspected ships, by P&I status**

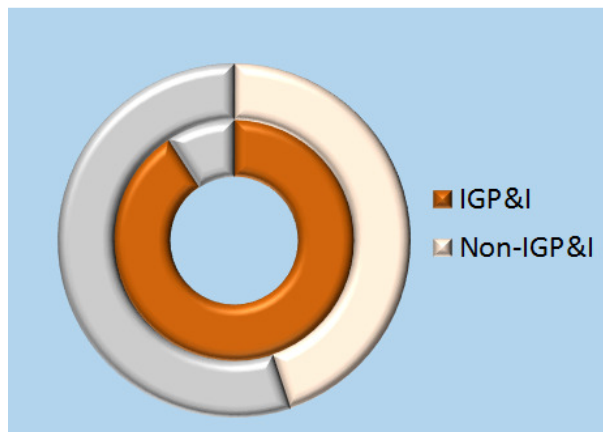
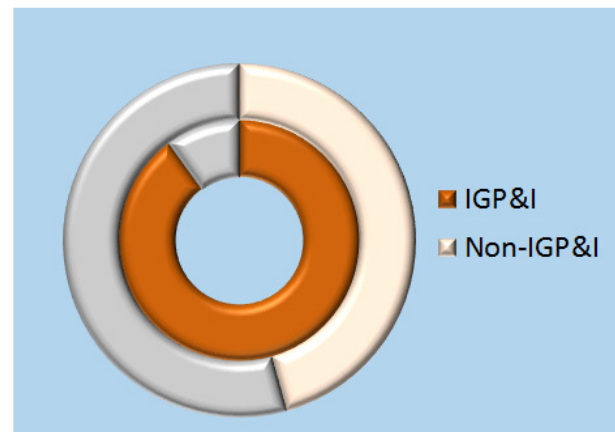
VERY LARGE SHIPS

Table 130 - Total number of very large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	28	28	100.0%				28	28	100.0%
Refrigerated Cargo									
Heavy load	3	2	66.7%	1		0.0%	4	2	50.0%
Container	1,266	1,236	97.6%	10	8	80.0%	1,276	1,244	97.5%
Ro-Ro cargo	169	165	97.6%	2	2	100.0%	171	167	97.7%
Bulk Carrier	1,583	1,510	95.4%	20	15	75.0%	1,603	1,525	95.1%
Oil tanker	1,443	1,255	87.0%	75	34	45.3%	1,518	1,289	84.9%
Chemical tanker	1	1	100.0%				1	1	100.0%
Combination carrier	8	8	100.0%				8	8	100.0%
Gas carrier	381	297	78.0%	15	14	93.3%	396	311	78.5%
NLS Tanker	94	94	100.0%				94	94	100.0%
High speed passenger craft									
Passenger Ship	159	154	96.9%				159	154	96.9%
RoRo passenger ship	4	4	100.0%				4	4	100.0%
Offshore supply	1		0.0%				1		0.0%
Special purpose ship	2	1	50.0%	1		0.0%	3	1	33.3%
Tug									
Other special activities	101	14	13.9%	43	2	4.7%	144	16	11.1%
Other	27	18	66.7%				27	18	66.7%
Total	5,270	4,787	91%	167	75	45%	5,437	4,862	89%

Table 131 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	2,188	2,188	100.0%				2,188	2,188	100.0%
Refrigerated Cargo									
Heavy load	557	496	89.0%	67		0.0%	624	496	79.5%
Container	126,471	122,961	97.2%	1,005	704	70.0%	127,476	123,665	97.0%
Ro-Ro cargo	11,113	10,810	97.3%	145	145	100.0%	11,258	10,955	97.3%
Bulk Carrier	157,014	149,974	95.5%	1,783	1,360	76.3%	158,797	151,334	95.3%
Oil tanker	155,096	132,378	85.4%	10,327	4,603	44.6%	165,423	136,981	82.8%
Chemical tanker	162	162	100.0%				162	162	100.0%
Combination carrier	523	523	100.0%				523	523	100.0%
Gas carrier	41,496	32,240	77.7%	1,449	1,369	94.5%	42,945	33,609	78.3%
NLS Tanker	11,268	11,268	100.0%				11,268	11,268	100.0%
High speed passenger craft									
Passenger Ship	15,946	15,338	96.2%				15,946	15,338	96.2%
RoRo passenger ship	278	278	100.0%				278	278	100.0%
Offshore supply	60		0.0%				60		0.0%
Special purpose ship	166	102	61.4%	147		0.0%	313	102	32.6%
Tug									
Other special activities	10,469	1,196	11.4%	3,297	138	4.2%	13,766	1,334	9.7%
Other	1,814	1,167	64.3%				1,814	1,167	64.3%
Total	534,621	481,081	90%	18,220	8,319	46%	552,841	489,400	89%

Graph 121 - Proportion of very large inspected ships, by P&I status**Graph 122 - Proportion of gross tonnage for very large inspected ships, by P&I status**

5.4. SHIPS INSPECTED BETWEEN 2013 AND 2015 – BY FLAG

WHOLE FLEET GT≥500

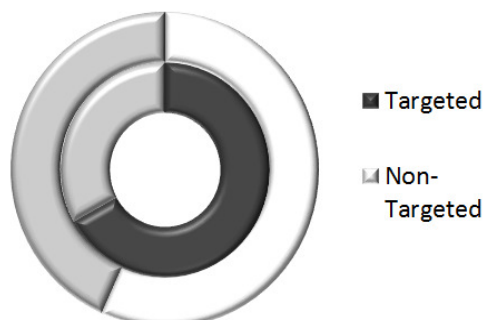
Table 132 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,874	3,803	64.7%	6,811	3,591	52.7%	12,685	7,394	58.3%
Refrigerated Cargo	323	233	72.1%	612	374	61.1%	935	607	64.9%
Heavy load	24	20	83.3%	92	71	77.2%	116	91	78.4%
Container	1,619	1,411	87.2%	3,369	3,052	90.6%	4,988	4,463	89.5%
Ro-Ro cargo	465	390	83.9%	799	631	79.0%	1,264	1,021	80.8%
Bulk Carrier	4,038	3,841	95.1%	5,809	4,890	84.2%	9,847	8,731	88.7%
Oil tanker	2,356	1,113	47.2%	4,605	2,429	52.7%	6,961	3,542	50.9%
Chemical tanker	1,287	932	72.4%	2,825	2,090	74.0%	4,112	3,022	73.5%
Combination carrier	5	5	100.0%	27	26	96.3%	32	31	96.9%
Gas carrier	514	334	65.0%	1,188	805	67.8%	1,702	1,139	66.9%
NLS Tanker	102	101	99.0%	269	266	98.9%	371	367	98.9%
High speed passenger craft	17	17	100.0%	27	27	100.0%	44	44	100.0%
Passenger Ship	247	112	45.3%	698	260	37.2%	945	372	39.4%
RoRo passenger ship	550	83	15.1%	1,462	281	19.2%	2,012	364	18.1%
Offshore supply	1,109	254	22.9%	3,702	810	21.9%	4,811	1,063	22.1%
Special purpose ship	93	50	53.8%	454	128	28.2%	547	178	32.5%
Tug	153	52	34.0%	884	156	17.6%	1,037	208	20.1%
Other special activities	689	318	46.2%	2,420	664	27.4%	3,109	982	31.6%
Other	233	136	58.4%	475	179	37.7%	708	315	44.5%
Total	19,698	13,205	67%	36,528	20,730	57%	56,226	33,934	60%

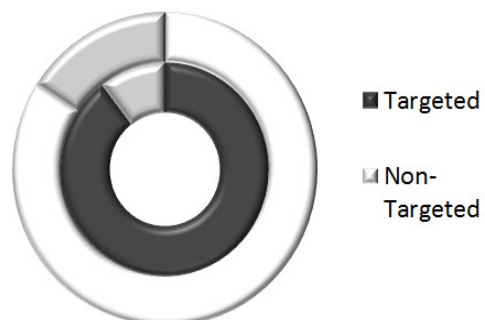
Table 133 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	28,358	23,682	83.5%	40,593	32,636	80.4%	68,951	56,318	81.7%
Refrigerated Cargo	1,487	1,280	86.1%	3,220	2,628	81.6%	4,707	3,908	83.0%
Heavy load	861	821	95.4%	2,225	1,677	75.4%	3,086	2,498	80.9%
Container	59,973	56,892	94.9%	153,236	146,263	95.4%	213,209	203,155	95.3%
Ro-Ro cargo	14,551	14,143	97.2%	26,810	25,261	94.2%	41,361	39,404	95.3%
Bulk Carrier	165,766	157,747	95.2%	240,543	214,390	89.1%	406,309	372,137	91.6%
Oil tanker	72,253	60,269	83.4%	168,935	135,695	80.3%	241,188	195,964	81.2%
Chemical tanker	13,112	11,343	86.5%	40,295	34,037	84.5%	53,407	45,380	85.0%
Combination carrier	58	58	100.0%	850	830	97.6%	908	888	97.8%
Gas carrier	13,491	9,517	70.5%	46,604	37,033	79.5%	60,095	46,550	77.5%
NLS Tanker	4,717	4,716	100.0%	12,714	12,710	100.0%	17,431	17,426	100.0%
High speed passenger craft	74	74	100.0%	130	130	100.0%	204	204	100.0%
Passenger Ship	6,046	5,538	91.6%	14,707	13,619	92.6%	20,753	19,157	92.3%
RoRo passenger ship	2,930	1,540	52.6%	12,760	6,847	53.7%	15,690	8,387	53.5%
Offshore supply	2,321	703	30.3%	9,452	2,820	29.8%	11,773	3,467	29.4%
Special purpose ship	562	479	85.2%	2,299	898	39.1%	2,861	1,377	48.1%
Tug	165	77	46.7%	957	285	29.8%	1,122	362	32.3%
Other special activities	7,872	4,763	60.5%	24,041	6,767	28.1%	31,913	11,530	36.1%
Other	3,638	3,062	84.2%	4,967	3,439	69.2%	8,605	6,501	75.5%
Total	398,235	356,704	90%	805,338	677,965	84%	1,203,573	1,034,613	86%

Graph 123 - Proportion of inspected ships GT≥500, by flag



Graph 124 - Proportion of gross tonnage for inspected ships GT≥500, by flag



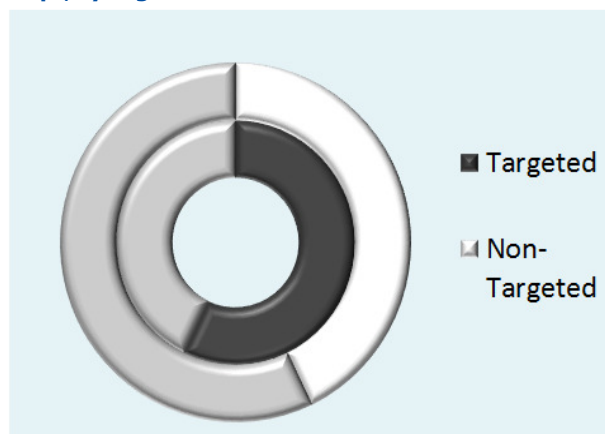
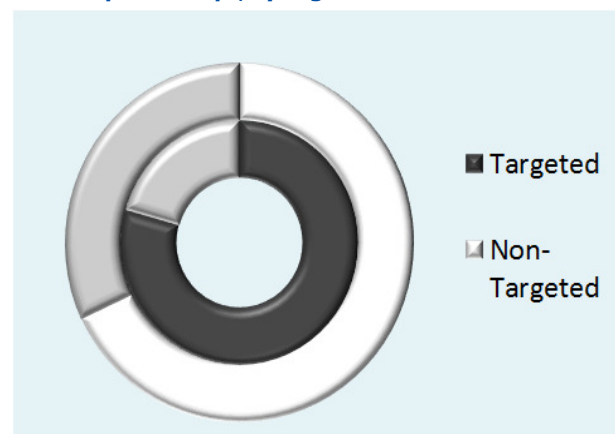
MEDIUM SIZED SHIPS

Table 134 - Total number of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,761	3,693	64.1%	6,478	3,267	50.4%	12,239	6,960	56.9%
Refrigerated Cargo	323	233	72.1%	608	373	61.3%	931	606	65.1%
Heavy load	14	10	71.4%	56	43	76.8%	70	53	75.7%
Container	878	687	78.2%	1,259	1,037	82.4%	2,137	1,724	80.7%
Ro-Ro cargo	219	144	65.8%	364	204	56.0%	583	348	59.7%
Bulk Carrier	1,258	1,191	94.7%	1,633	1,220	74.7%	2,891	2,411	83.4%
Oil tanker	1,496	370	24.7%	2,473	622	25.2%	3,969	992	25.0%
Chemical tanker	1,109	768	69.3%	2,047	1,424	69.6%	3,156	2,192	69.5%
Combination carrier	5	5	100.0%	12	11	91.7%	17	16	94.1%
Gas carrier	362	224	61.9%	699	423	60.5%	1,061	647	61.0%
NLS Tanker	51	50	98.0%	113	110	97.3%	164	160	97.6%
High speed passenger craft	17	17	100.0%	27	27	100.0%	44	44	100.0%
Passenger Ship	183	49	26.8%	535	102	19.1%	718	151	21.0%
RoRo passenger ship	519	56	10.8%	1,284	147	11.4%	1,803	203	11.3%
Offshore supply	1,106	254	23.0%	3,695	809	21.9%	4,801	1,063	22.1%
Special purpose ship	87	44	50.6%	443	124	28.0%	530	168	31.7%
Tug	153	52	34.0%	884	156	17.6%	1,037	208	20.1%
Other special activities	568	231	40.7%	2,178	581	26.7%	2,746	812	29.6%
Other	171	78	45.6%	409	123	30.1%	580	201	34.7%
Total	14,280	8,156	57%	25,197	10,803	43%	39,477	18,959	48%

Table 135 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	24,059	19,472	80.9%	28,046	20,356	72.6%	52,105	39,828	76.4%
Refrigerated Cargo	1,487	1,280	86.1%	3,073	2,595	84.4%	4,560	3,875	85.0%
Heavy load	142	102	71.8%	736	566	76.9%	878	668	76.1%
Container	9,482	8,165	86.1%	15,277	13,280	86.9%	24,759	21,445	86.6%
Ro-Ro cargo	1,759	1,351	76.8%	3,845	2,733	71.1%	5,604	4,084	72.9%
Bulk Carrier	21,411	20,389	95.2%	29,259	22,919	78.3%	50,670	43,308	85.5%
Oil tanker	5,331	2,223	41.7%	10,031	4,663	46.5%	15,362	6,886	44.8%
Chemical tanker	7,852	6,483	82.6%	17,364	14,399	82.9%	25,216	20,882	82.8%
Combination carrier	58	58	100.0%	120	100	83.3%	178	158	88.8%
Gas carrier	2,049	1,496	73.0%	4,200	3,388	80.7%	6,249	4,884	78.2%
NLS Tanker	412	411	99.8%	1,195	1,191	99.7%	1,607	1,602	99.7%
High speed passenger craft	74	74	100.0%	130	130	100.0%	204	204	100.0%
Passenger Ship	763	389	51.0%	1,386	820	59.2%	2,149	1,209	56.3%
RoRo passenger ship	1,980	707	35.7%	6,373	1,907	29.9%	8,353	2,614	31.3%
Offshore supply	2,214	703	31.8%	9,160	2,764	30.2%	11,374	3,467	30.5%
Special purpose ship	321	238	74.1%	1,681	700	41.6%	2,002	938	46.9%
Tug	165	77	46.7%	957	285	29.8%	1,122	362	32.3%
Other special activities	1,748	1,043	59.7%	6,864	2,748	40.0%	8,612	3,791	44.0%
Other	736	458	62.2%	1,842	822	44.6%	2,578	1,280	49.7%
Total	82,043	65,119	79%	141,539	96,366	68%	223,582	161,485	72%

Graph 125 - Proportion of medium sized inspected ships, by flag**Graph 126 - Proportion of gross tonnage for medium sized inspected ships, by flag**

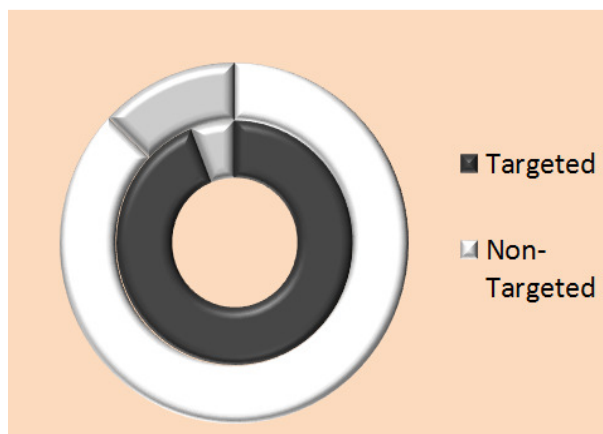
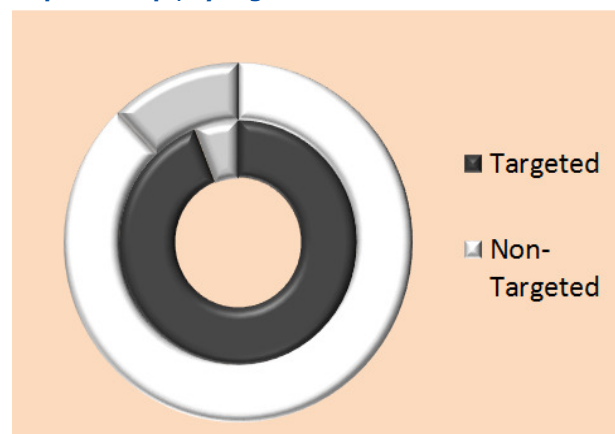
LARGE SHIPS

Table 136 - Total number of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	106	103	97.2%	312	303	97.1%	418	406	97.1%
Refrigerated Cargo				4	1	25.0%	4	1	25.0%
Heavy load	9	9	100.0%	33	27	81.8%	42	36	85.7%
Container	382	378	99.0%	1,193	1,117	93.6%	1,575	1,495	94.9%
Ro-Ro cargo	189	189	100.0%	321	317	98.8%	510	506	99.2%
Bulk Carrier	2,057	1,967	95.6%	3,296	2,828	85.8%	5,353	4,795	89.6%
Oil tanker	431	364	84.5%	1,043	897	86.0%	1,474	1,261	85.5%
Chemical tanker	178	164	92.1%	777	665	85.6%	955	829	86.8%
Combination carrier				7	7	100.0%	7	7	100.0%
Gas carrier	73	56	76.7%	172	125	72.7%	245	181	73.9%
NLS Tanker	22	22	100.0%	91	91	100.0%	113	113	100.0%
High speed passenger craft									
Passenger Ship	17	17	100.0%	51	50	98.0%	68	67	98.5%
RoRo passenger ship	31	27	87.1%	174	130	74.7%	205	157	76.6%
Offshore supply	3		0.0%	6	1	16.7%	9		0.0%
Special purpose ship	6	6	100.0%	8	3	37.5%	14	9	64.3%
Tug									
Other special activities	99	82	82.8%	120	72	60.0%	219	154	70.3%
Other	51	51	100.0%	50	45	90.0%	101	96	95.0%
Total	3,654	3,435	94%	7,658	6,679	87%	11,312	10,113	89%

Table 137 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,746	3,657	97.6%	10,912	10,645	97.6%	14,658	14,302	97.6%
Refrigerated Cargo				147	33	22.4%	147	33	22.4%
Heavy load	315	315	100.0%	1,269	1,019	80.3%	1,584	1,334	84.2%
Container	14,459	14,332	99.1%	46,515	43,713	94.0%	60,974	58,045	95.2%
Ro-Ro cargo	9,098	9,098	100.0%	15,401	15,267	99.1%	24,499	24,365	99.5%
Bulk Carrier	75,655	72,337	95.6%	121,187	105,158	86.8%	196,842	177,495	90.2%
Oil tanker	17,855	15,275	85.6%	42,549	36,822	86.5%	60,404	52,097	86.2%
Chemical tanker	5,260	4,860	92.4%	22,769	19,476	85.5%	28,029	24,336	86.8%
Combination carrier				207	207	100.0%	207	207	100.0%
Gas carrier	3,322	2,528	76.1%	7,580	5,529	72.9%	10,902	8,057	73.9%
NLS Tanker	880	880	100.0%	3,676	3,676	100.0%	4,556	4,556	100.0%
High speed passenger craft									
Passenger Ship	634	634	100.0%	2,024	1,976	97.6%	2,658	2,610	98.2%
RoRo passenger ship	950	833	87.7%	6,109	4,662	76.3%	7,059	5,495	77.8%
Offshore supply	107		0.0%	232	56	24.1%	339		0.0%
Special purpose ship	241	241	100.0%	304	96	31.6%	545	337	61.8%
Tug									
Other special activities	4,184	3,370	80.5%	5,351	3,035	56.7%	9,535	6,405	67.2%
Other	2,165	2,165	100.0%	2,048	1,889	92.2%	4,213	4,054	96.2%
Total	138,871	130,525	94%	288,280	253,259	88%	427,151	383,728	90%

Graph 127 - Proportion of large inspected ships, by flag**Graph 128 - Proportion of gross tonnage for large inspected ships, by flag**

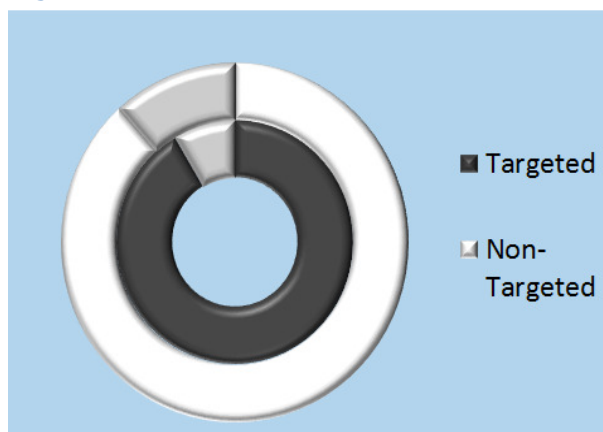
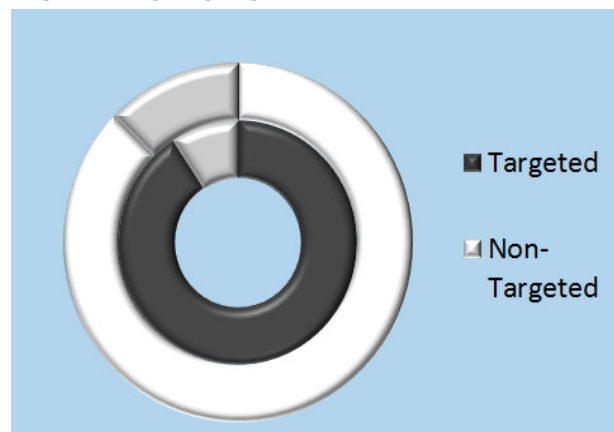
VERY LARGE SHIPS

Table 138 - Total number of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	7	7	100.0%	21	21	100.0%	28	28	100.0%
Refrigerated Cargo									
Heavy load	1	1	100.0%	3	1	33.3%	4	2	50.0%
Container	359	346	96.4%	917	898	97.9%	1,276	1,244	97.5%
Ro-Ro cargo	57	57	100.0%	114	110	96.5%	171	167	97.7%
Bulk Carrier	723	683	94.5%	880	842	95.7%	1,603	1,525	95.1%
Oil tanker	429	379	88.3%	1,089	910	83.6%	1,518	1,289	84.9%
Chemical tanker				1	1	100.0%	1	1	100.0%
Combination carrier				8	8	100.0%	8	8	100.0%
Gas carrier	79	54	68.4%	317	257	81.1%	396	311	78.5%
NLS Tanker	29	29	100.0%	65	65	100.0%	94	94	100.0%
High speed passenger craft									
Passenger Ship	47	46	97.9%	112	108	96.4%	159	154	96.9%
RoRo passenger ship				4	4	100.0%	4	4	100.0%
Offshore supply				1		0.0%	1		0.0%
Special purpose ship				3	1	33.3%	3	1	33.3%
Tug									
Other special activities	22	5	22.7%	122	11	9.0%	144	16	11.1%
Other	11	7	63.6%	16	11	68.8%	27	18	66.7%
Total	1,764	1,614	91%	3,673	3,248	88%	5,437	4,862	89%

Table 139 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	553	553	100.0%	1,635	1,635	100.0%	2,188	2,188	100.0%
Refrigerated Cargo									
Heavy load	404	404	100.0%	220	92	41.8%	624	496	79.5%
Container	36,032	34,395	95.5%	91,444	89,270	97.6%	127,476	123,665	97.0%
Ro-Ro cargo	3,694	3,694	100.0%	7,564	7,261	96.0%	11,258	10,955	97.3%
Bulk Carrier	68,700	65,021	94.6%	90,097	86,313	95.8%	158,797	151,334	95.3%
Oil tanker	49,067	42,771	87.2%	116,355	94,210	81.0%	165,422	136,981	82.8%
Chemical tanker				162	162	100.0%	162	162	100.0%
Combination carrier				523	523	100.0%	523	523	100.0%
Gas carrier	8,120	5,493	67.6%	34,824	28,116	80.7%	42,944	33,609	78.3%
NLS Tanker	3,425	3,425	100.0%	7,843	7,843	100.0%	11,268	11,268	100.0%
High speed passenger craft									
Passenger Ship	4,649	4,515	97.1%	11,297	10,823	95.8%	15,946	15,338	96.2%
RoRo passenger ship				278	278	100.0%	278	278	100.0%
Offshore supply				60		0.0%	60		0.0%
Special purpose ship				314	102	32.5%	314	102	32.5%
Tug									
Other special activities	1,940	350	18.0%	11,826	984	8.3%	13,766	1,334	9.7%
Other	737	439	59.6%	1,077	728	67.6%	1,814	1,167	64.3%
Total	177,321	161,060	91%	375,519	328,340	87%	552,840	489,400	89%

Graph 129 - Proportion of very large inspected ships, by flag**Graph 130 - Proportion of gross tonnage for very large inspected ships, by flag**

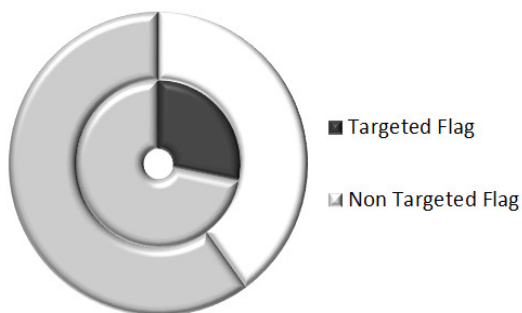
5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

WHOLE FLEET GT≥500

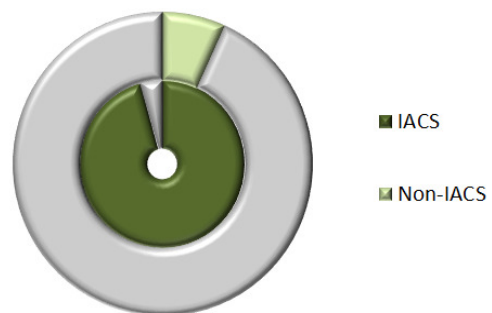
Table 140 - Total number of inspections with statutory certificates for ships GT≥500, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	26,103	9,087	8,479	23,018	4,421
Refrigerated Cargo	1,547	334	661	1,533	41
Heavy load	346	106	198	345	9
Container	10,346	2,464	4,381	10,296	129
Ro-Ro cargo	2,575	859	1,454	2,477	181
Bulk Carrier	27,990	8,291	9,775	27,772	731
Oil tanker	5,925	1,441	3,238	5,835	172
Chemical tanker	7,373	1,695	3,742	7,348	127
Combination carrier	46	7	24	46	
Gas carrier	1,857	400	1,001	1,832	42
NLS Tanker	1,644	58	171	1,633	13
High speed passenger craft	159	69	80	154	4
Passenger Ship	1,677	236	680	1,649	30
RoRo passenger ship	1,526	280	1,199	1,486	44
Offshore supply	1,524	314	1,102	1,501	65
Special purpose ship	287	82	165	274	12
Tug	280	65	206	273	18
Other special activities	1,724	435	759	1,600	181
Other	1,959	539	706	1,749	236
Total	94,888	26,762	38,021	90,821	6,456

Graph 131 - Total number of inspection with statutory certificates for ships GT≥500, by flag issuer



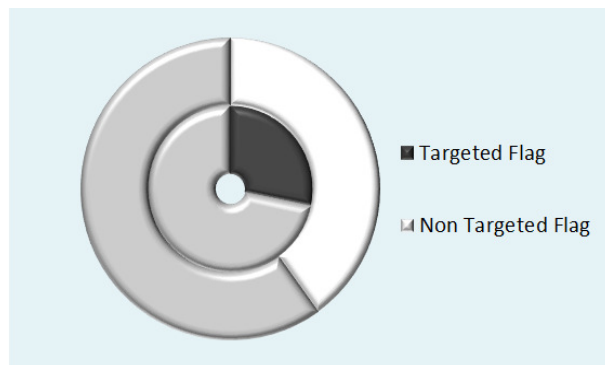
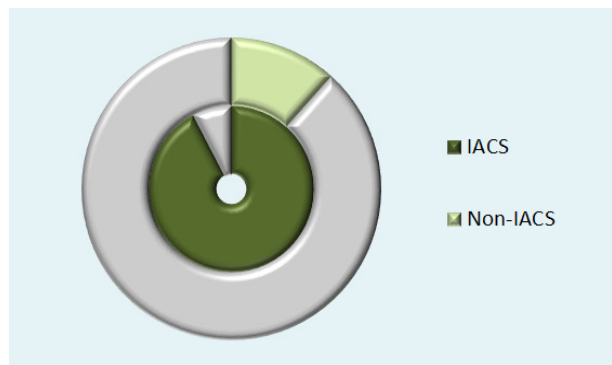
Graph 132 - Total number of inspection with statutory certificates for ships GT≥500, by recognised organisations



MEDIUM SIZED SHIPS

Table 141 - Total number of inspections with statutory certificates for medium sized ships, by type of issuer

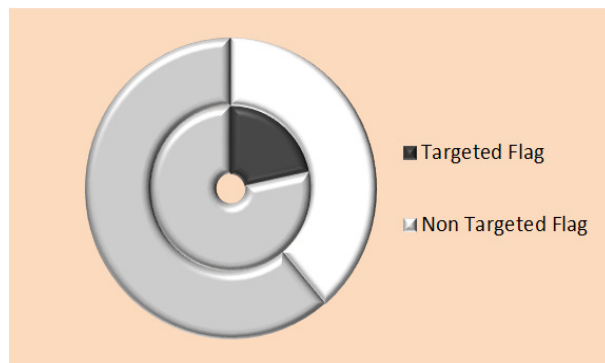
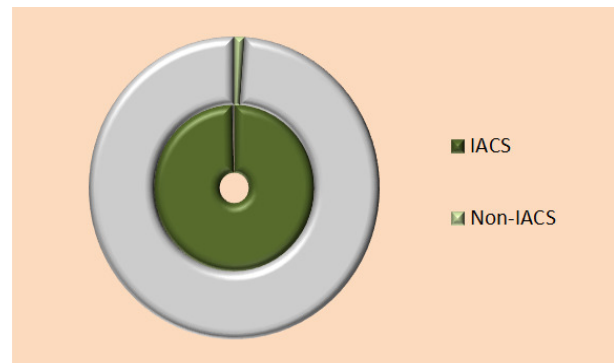
PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	22,231	8,956	8,026	19,151	4,407
Refrigerated Cargo	1,544	334	658	1,530	41
Heavy load	269	94	159	269	7
Container	3,487	1,218	1,169	3,470	54
Ro-Ro cargo	945	315	508	851	144
Bulk Carrier	9,138	2,646	2,814	9,002	432
Oil tanker	1,312	392	763	1,236	125
Chemical tanker	4,985	1,362	2,517	4,964	105
Combination carrier	17	7	7	17	
Gas carrier	1,165	304	595	1,141	38
NLS Tanker	574	40	130	563	11
High speed passenger craft	158	69	79	153	4
Passenger Ship	550	93	263	525	27
RoRo passenger ship	715	197	483	675	43
Offshore supply	1,524	314	1,102	1,501	65
Special purpose ship	271	72	161	258	12
Tug	280	65	206	273	18
Other special activities	1,340	293	693	1,216	178
Other	584	223	298	376	229
Total	51,089	16,994	20,631	47,171	5,940

Graph 133 -Total number of inspection with statutory certificates for medium sized ships, by flag issuer**Graph 134 - Total number of inspection with statutory certificates for medium sized ships, by recognised organisations**

LARGE SHIPS

Table 142 - Total number of inspections with statutory certificates for large ships, by type of issuer

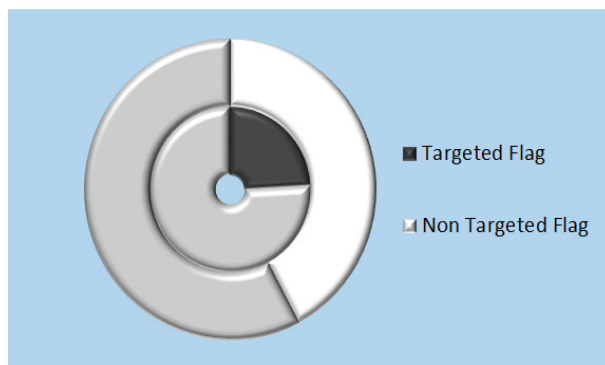
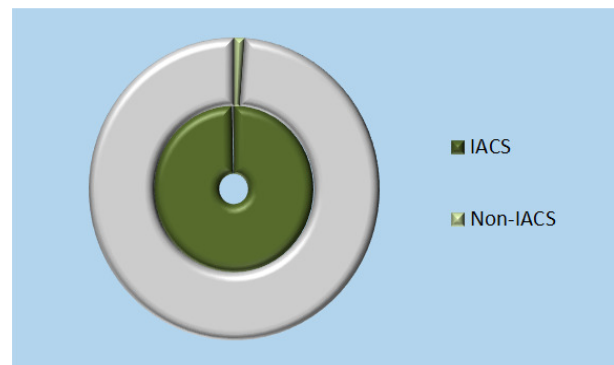
PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	3,401	127	453	3,397	13
Refrigerated Cargo	3		3	3	
Heavy load	74	11	37	73	2
Container	4,003	720	1,851	3,995	25
Ro-Ro cargo	1,274	425	741	1,273	25
Bulk Carrier	14,896	4,138	5,449	14,829	239
Oil tanker	2,682	642	1,400	2,677	27
Chemical tanker	2,388	333	1,225	2,384	22
Combination carrier	10		8	10	
Gas carrier	265	47	128	264	4
NLS Tanker	678	8	27	678	2
High speed passenger craft	1		1	1	
Passenger Ship	368	59	159	365	1
RoRo passenger ship	788	83	693	788	1
Offshore supply					
Special purpose ship	15	10	3	15	
Tug					
Other special activities	369	138	63	369	2
Other	971	233	243	969	6
Total	32,186	6,974	12,484	32,090	369

Graph 135 -Total number of inspection with statutory certificates for large ships, by flag issuer**Graph 136 - Total number of inspection with statutory certificates for large ships, by recognised organisations**

VERY LARGE SHIPS

Table 143 - Total number of inspections with statutory certificates for very large ships, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	471	4		470	1
Refrigerated Cargo					
Heavy load	3	1	2	3	
Container	2,856	526	1,361	2,831	50
Ro-Ro cargo	356	119	205	353	12
Bulk Carrier	3,956	1,507	1,512	3,941	60
Oil tanker	1,931	407	1,075	1,922	20
Chemical tanker					
Combination carrier	19		9	19	
Gas carrier	427	49	278	427	
NLS Tanker	392	10	14	392	
High speed passenger craft					
Passenger Ship	759	84	258	759	2
RoRo passenger ship	23		23	23	
Offshore supply					
Special purpose ship	1		1	1	
Tug					
Other special activities	15	4	3	15	1
Other	404	83	165	404	1
Total	11,613	2,794	4,906	11,560	147

Graph 137 -Total number of inspection with statutory certificates for very large ships, by flag issuer**Graph 138 - Total number of inspection with statutory certificates for very large ships, by recognised organisations**

5.6. STATUTORY CERTIFICATES

Table 144 - Total number of inspections with statutory certificates for all ships, by type of certificates and issuer

Group of Certificates	Inspections	Flags as issuer		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
ITC	56,627	6,732	7,599	39,889	2,407
Load Lines	68,845	666	1,919	62,078	4,182
SOLAS/STCW	64,318	26,662	37,340	272	44
SOLAS - ISM	74,368	2,077	10,808	56,409	5,074
SOLAS - ISPS	66,071	8,600	10,985	42,468	4,018
SOLAS - IMDG	15,967	115	1,325	14,355	172
SOLAS - GC	157		9	145	3
SOLAS - IGC	1,040	5	30	1,000	5
SOLAS - HSC	642	2	48	574	18
SOLAS - MODU	43	2	3	38	
SOLAS - SPS	396	4	127	263	2
SOLAS - PSCC	2,773	114	1,195	1,410	54
SOLAS - CSS	70,221	1,903	4,232	60,152	3,934
SOLAS - CSR	21,176	8,768	12,258	106	44
SOLAS - INF	233		12	210	11
AFS	50,601	440	1,528	46,873	1,760
Ballast WM	331		7	323	1
CLC	11,291	3,741	7,441	87	22
BUNKER	35,397	14,062	20,969	271	95
MARPOL - IAPP	65,745	460	2,074	59,986	3,225
MARPOL - IOPP	69,693	567	2,761	62,268	4,097
MARPOL - ISPP	59,994	586	2,445	53,793	3,170
MARPOL - EIAPP	3,798	22	172	3,577	27
MARPOL - IBC	4,336	15	69	4,238	14
MARPOL - NLS	985	3	72	902	8
MARPOL - BCH	655	7	21	622	5
MARPOL - IEEC	26,131	298	991	23,860	982
MLC, 2006	33,524	1,184	5,865	25,301	1,174
Other	4,462	599	1,142	2,554	167
Overall	71,881	27,351	39,149	66,359	6,276

Chapter 6

6. Trade Associations and Industry Vetting Programmes

INTRODUCTION

Several professional maritime trade associations and industry vetting programmes supply information to Equasis on ships covered by their schemes. Such schemes are either company-based or ship-based. The company-based schemes (e.g. Intertanko) relate to certain ships types and aim to provide a mark of quality for ships covered by them. The ship-based schemes (e.g. OCIMF) provide industry inspection reports.

For each relevant ship type and size category the tables in Chapter 6.1 show the proportion of the fleet covered by each of the schemes which provide information to Equasis.

The ship types covered by each scheme are detailed in Annex V.

The tables in Chapter 6.2 show the detention rates of ships covered by each of the schemes compared with ships of the same type that are outside these schemes.

Shipping Companies

For each ship, Equasis records the company that provides the operational management either;

- a) under third-party contract; or
- b) managing ships owned by itself or its associated companies.

In most cases the company shown in the database is responsible for the operation of the ship and the duties and responsibilities imposed by the International Safety Management Code (ISM Code). The Code applies to passenger ships and other ships of 500 GT (or greater) trading internationally.

The tables in Chapter 6.3 show the makeup of the fleet of ships in Equasis according to company fleet size, as measured by the number of ships over 100GT they operate. The tables also show the detention rates of ships over 500GT in each fleet size category.

The detention rate is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU), USCG, Viña del Mar MoU, Mediterranean MoU and Caribbean MoU recorded in 2015.

RESULTS

Table 145 indicates that the majority of ships are not covered by the trade associations and/or industry vetting programmes providing data to Equasis, with the exception of OCIMF that covers about 67% of the total ships of the relevant categories (see annex V) and about 91% in tonnage. Intertanko covers slightly over a quarter (28%) of the total number of ships but it has almost half (49%) tonnage coverage of the relevant ship categories.

Tables 147 to 150 suggest that the ship categories in the medium, large and very large size categories covered by one of the trade associations and industry vetting programs are less inspected in the seven regimes providing data to Equasis than those ships which are outside the trade associations.

The same tables indicate that ships who are members of a trade association or industry vetting programme were detained less often than those that were not members. For example the detention rate of OCIMF ships in all ship size categories (table 147) was 1.0% compared with 5.4% for those who are not members (and of the targeted ship types as described in Annex V). It is a similar picture for ships that are members

of Intercargo, InterManager, Green Award and CDI.

Table 151 shows that half (50.9%) of the companies included in the data collected by Equasis operate just one ship. 83.8% companies operate five or fewer ships and account for 30.7% of the fleet over 500GT by number.

Graph 140 reveals that ships operated by larger companies had a much lower detention rate than those operated by smaller companies. Table 152 shows that companies with more than 100 ships have a detention rate around 1.27%, while one-ship and two-ship companies had rates of 6.71% and 5.05% respectively.

6.1. SCHEME STATUS

Table 145 - Total number of ships, by size and vetting programmes and trade associations

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	1,081	6,764	1,439	1,353	1,077	921	3,597	9,038
% of Total	30.1%	74.8%	40.0%	15.0%	29.9%	10.2%		
Intercargo	191	15,308	507	5,311	238	1,375	936	21,994
% of Total	20.4%	69.6%	54.2%	24.1%	25.4%	6.3%		
InterManager	100	22,148	178	8,157	82	3,132	360	33,437
% of Total	27.8%	66.2%	49.4%	24.4%	22.8%	9.4%		
Green Award	7	11,564	35	8,353	168	3,432	210	23,349
% of Total	3.3%	49.5%	16.7%	35.8%	80.0%	14.7%		
CDI	1,601	2,990	337	1,105			1,938	4,095
% of Total	82.6%	73.0%	17.4%	27.0%				
OCIMF	4,000	3,845	2,610	182	1,890	108	8,500	4,135
% of Total	47.1%	93.0%	30.7%	4.4%	22.2%	2.6%		

Source: Equasis ⁽¹⁾ 500≤GT<25.000 - ⁽²⁾ 25.000≤GT<60.000 - ⁽³⁾ GT≥60.000

Table 146 - Gross tonnage (in 1000 gt) of ships, by size and vetting programmes and trade associations

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	13,330	33,992	54,178	49,750	114,714	103,051	182,222	186,793
% of Total	7.3%	18.2%	29.7%	26.6%	63.0%	55.2%		
Intercargo	3,754	101,764	18,448	195,223	23,674	135,545	45,876	432,532
% of Total	8.2%	23.5%	40.2%	45.1%	51.6%	31.3%		
InterManager	1,418	144,773	6,156	299,304	10,035	323,970	17,609	768,047
% of Total	8.1%	18.8%	35.0%	39.0%	57.0%	42.2%		
Green Award	160	102,699	1,652	308,720	18,260	358,011	20,072	769,430
% of Total	0.8%	13.3%	8.2%	40.1%	91.0%	46.5%		
CDI	15,266	19,995	11,710	34,617			26,976	54,612
% of Total	56.6%	36.6%	43.4%	63.4%				
OCIMF	34,074	13,248	97,395	6,301	204,945	12,820	336,414	32,369
% of Total	10.1%	40.9%	29.0%	19.5%	60.9%	39.6%		

Source: Equasis ⁽¹⁾ 500≤GT<25.000 - ⁽²⁾ 25.000≤GT<60.000 - ⁽³⁾ GT≥60.000

6.2. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 147 - Safety performance of ships, by inspections and detentions rates^(*)- 2015

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.8%	1.8%	1.4%	47	138	185	5,586	7,701	13,287
in % of total				25.4%	74.6%		42.0%	58.0%	
Intercargo	1.8%	3.4%	3.3%	47	1,456	1,503	2,661	42,581	45,242
in % of total				3.1%	96.9%		5.9%	94.1%	
Intermanager	1.0%	3.0%	3.0%	7	1,702	1,709	731	56,009	56,740
in % of total				0.4%	99.59%		1.3%	98.7%	
Green Award	0.4%	2.0%	2.0%	1	726	727	241	36,908	37,149
in % of total				0.1%	99.86%		0.6%	99.4%	
CDI	1.1%	1.6%	1.4%	44	73	117	3,921	4,680	8,601
in % of total				37.6%	62.4%		45.6%	54.4%	
OCIMF	1.0%	5.4%	1.5%	114	73	187	10,998	1,355	12,353
in % of total				61.0%	39.0%		89.0%	11.0%	

Source: Equasis - ^(*)Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

MEDIUM SIZED SHIPS

Table 148 - Safety performance of medium sized⁽¹⁾ ships, by inspections and detentions rates^(*)- 2015

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	1.0%	2.0%	1.7%	17	97	114	1,789	4,942	6,731
in % of total				14.9%	85.1%		26.6%	73.4%	
Intercargo	2.2%	4.5%	4.4%	14	1,169	1,183	630	26,013	26,643
in % of total				1.2%	98.8%		2.4%	97.6%	
Intermanager	0.5%	4.0%	3.9%	1	1,270	1,271	196	32,052	32,248
in % of total				0.1%	99.92%		0.6%	99.4%	
Green Award	0.0%	2.6%	2.6%	0	337	337	7	12,754	12,761
in % of total				0.0%	100%		0.1%	99.9%	
CDI	1.1%	2.0%	1.5%	35	56	91	3,253	2,819	6,072
in % of total				38.5%	61.5%		53.6%	46.4%	
OCIMF	1.2%	5.1%	2.0%	53	63	116	4,555	1,242	5,797
in % of total				45.7%	54.3%		78.6%	21.4%	

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - ^(*)Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

LARGE SHIPS

Table 149 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*)- 2015

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.7%	1.5%	1.0%	17	29	46	2,608	1,914	4,522
in % of total				37.0%	63.0%		57.7%	42.3%	
Intercargo	1.2%	1.8%	1.7%	19	240	259	1,538	13,633	15,171
in % of total				7.3%	92.7%		10.1%	89.9%	
Intermanager	1.3%	1.6%	1.6%	6	296	302	451	18,897	19,348
in % of total				2.0%	98%		2.3%	97.7%	
Green Award	0.0%	1.6%	1.6%	0	304	304	67	18,876	18,943
in % of total				0.0%	100.00%		0.4%	99.6%	
CDI	1.3%	0.9%	1.0%	9	17	26	668	1,861	2,529
in % of total				34.6%	65.4%		26.4%	73.6%	
OCIMF	0.9%	9.5%	1.0%	39	7	46	4,448	74	4,522
in % of total				84.8%	15.2%		98.4%	1.6%	

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - ^(*)Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

VERY LARGE SHIPS

Table 150 - Safety performance of very large⁽¹⁾ ships, by inspections and detentions rates^(*)- 2015

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	1.1%	1.4%	1.2%	13	12	25	1,189	845	2,034
in % of total				52.0%	48.0%		58.5%	41.5%	
Intercargo	2.8%	1.6%	1.8%	14	47	61	493	2,935	3,428
in % of total				23.0%	77.0%		14.4%	85.6%	
Intermanager	0.0%	2.7%	2.6%	0	136	136	84	5,060	5,144
in % of total				0.0%	100%		1.6%	98.4%	
Green Award	0.6%	1.6%	1.6%	1	85	86	167	5,278	5,445
in % of total				1.2%	99%		3.1%	96.9%	
CDI	0.0%					0			0
in % of total									
OCIMF	1.1%	7.7%	1.2%	22	3	25	1,995	39	2,034
in % of total				88.0%	12.0%		98.1%	1.9%	

Source: Equasis - ⁽¹⁾ GT≥60.000 - ^(*)Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

6.3. COMPANY PERFORMANCE

Table 151 - Total number of companies and ships, by fleet size and flag

Company fleet size (by number of ships GT≥100)	Number of companies		Number of ships ⁽¹⁾		Number of ships under targeted flag ⁽¹⁾		Total share of ships under targeted flag ⁽²⁾
1 ship	12,394	50.9%	5,422	9.8%	2,329	12.0%	43.0%
2	3,839	15.8%	3,583	6.5%	1,333	6.9%	37.2%
3	2,020	8.3%	2,818	5.1%	1,076	5.5%	38.2%
4	1,309	5.4%	2,652	4.8%	1,013	5.2%	38.2%
5	862	3.5%	2,251	4.1%	875	4.5%	38.9%
6-10	2,105	8.6%	8,554	15.5%	3,231	16.7%	37.8%
11-50	1,661	6.8%	19,558	35.5%	6,087	31.4%	31.1%
51-100	132	0.5%	5,778	10.5%	2,069	10.7%	35.8%
100+	42	0.2%	4,481	8.1%	1,380	7.1%	30.8%
Total	24,364	100%	55,097	100%	19,393	100%	35.2%

Source: Equasis - ⁽¹⁾ Ships GT≥500 - ⁽²⁾ Within the same company fleet size category

Graph 139 -Total number of companies and ships GT≥500, by company fleet size

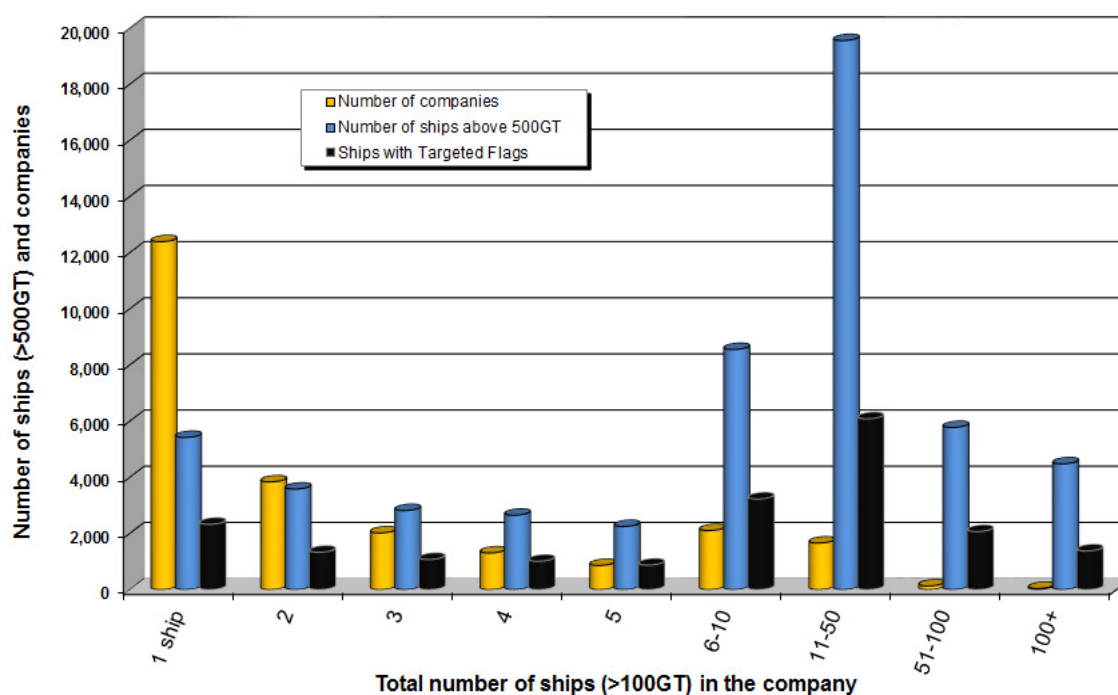


Table 152 - Total number of inspections and detention rates^(*), by company fleet size - 2015

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	4,648	6.0%	312	15.0%	6.71%
2	3,862	4.9%	195	9.4%	5.05%
3	3,109	4.0%	161	7.7%	5.18%
4	3,856	4.9%	152	7.3%	3.94%
5	3,134	4.0%	125	6.0%	3.99%
6-10	11,798	15.1%	365	17.5%	3.09%
11-50	30,722	39.3%	539	25.9%	1.75%
51-100	10,333	13.2%	152	7.3%	1.47%
100+	6,623	8.5%	84	4.0%	1.27%
Total	78,085	100%	2,085	100%	2.67%

Source: Equasis - ⁽¹⁾Within the same company fleet size category - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG and Viña del Mar divided by total number of inspections

Graph 140 -Total number of inspections and detention rate, by company fleet size

Annexes

Annex I. Ship type aggregations

The category "Other" is not considered in the scope of these statistics and contains ship types of active ships not falling in one of the main categories.

Changes made in comparison to the last edition are marked in **bold** *.

General Cargo Ships

Deck Cargo Ship
General Cargo Ship
Palletized Cargo Ship
Passenger/General Cargo Ship
Refrigerated Cargo Ship

Specialized Cargo Ships

Barge Carrier
Heavy Load Carrier
Livestock Carrier
Nuclear Fuel Carrier

Container Ships

Container Ship
Passenger/Container Ship

Ro-Ro Cargo Ships

Container Ro-Ro Cargo Ship
Ro-Ro Cargo Ship
Vehicles Carrier

Bulk Carriers

Aggregates Carrier
Bulk Carrier
Bulk/Caustic Soda Carrier
Bulk Dry Storage Ship
Bulk/Oil Carrier
Cement Carrier
Limestone Carrier
Ore Carrier
Ore/Oil Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Urea Carrier *
Wood Chips Carrier

Oil and Chemical Tankers

Chemical Tanker
Chemical/Oil Products Tanker
Crude Oil Tanker
Oil Products Tanker
Vegetable Oil Tanker *

Gas Tankers

CO2 Tanker
Combination Gas Tanker
LNG Tanker
LPG Tanker

Other Tankers

Asphalt/Bitumen Tanker
Bunkering Tanker
Caprolactam Tanker
Edible Oil Tanker
Fruit Juice Tanker
Latex Tanker
Molasses Tanker
Water Tanker
Wine Tanker

Passenger Ships

Passenger (Cruise) Ship
Passenger Ship
Passenger/Landing Craft
Passenger/Ro-Ro Cargo Ship

Offshore Vessels

Accom. Offshore Supp. Vessel
Drilling Ship
FSO, Oil
Mining Vessel
Offshore Processing Ship
Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe Burying Vessel
Pipe-Layer
Production Testing Vessel
Standby-Safety Vessel
Supply Vessel
Well-Stimulation Vessel

Service Ships

Buoy/Lighthouse Vessel
Cable-Layer
Crane Ship
Dredger
Fire-Fighting Vessel
Hopper Dredger
Hospital Vessel
Icebreaker
Kelp Dredger
Patrol Vessel
Pilot Vessel
Pollution Control Vessel
Power Station Vessel
Research Vessel
Salvage Ship
Search & Rescue Vessel
Tank-Cleaning Vessel
Training Ship
Trans-shipment Vessel
Utility Vessel
Waste Disposal Vessel
Work/Repair Vessel

Tugs

Pusher Tug
Tug

Other (Out of the scope)

Anchor Hoy
Cable Repair Ship
Coal/Oil Mixture Tanker
Crewboat
Exhibition Vessel
Fish Carrier
Fish Factory Ship
Fishing Support Vessel
Fishing Vessel
Landing Craft
Launch (unspecified)
Live-Fish Carrier
Mooring Vessel
Motor Hopper
Pearl Shells Carrier
Sail Training Ship
Sailing Vessel
Seal-Catcher
Trenching Support Vessel
Unknown
Vessel (function unknown)
Whale-Catcher

Annex II. Targeted Flag States 2015

The list of targeted flag is based on the 2015 annual reports of the Paris MoU [1], the Tokyo MoU [2] and the US Coast Guard [3], as published in that year.

<u>A</u>	<u>N</u>
Antigua and Barbuda [3]	Niue [2]
<u>B</u>	<u>P</u>
Bangladesh [2]	Panama [3]
Belize [1, 2, 3]	Papua New Guinea [2]
Bolivia [3]	
<u>C</u>	<u>S</u>
Cambodia [1, 2]	Samoa [3]
Comoros [1]	Sierra Leone [1, 2]
Cook Islands [1]	St Vincent and Grenadines [1, 3]
Cyprus [3]	Saint Kitts and Nevis [1]
<u>D</u>	<u>T</u>
Dominica [1]	Taiwan [3]
	Tanzania [1, 2, 3]
<u>E</u>	Thailand [3]
Egypt [2]	Togo [1]
	Turkey [3]
<u>G</u>	<u>V</u>
Greece [3]	Vanuatu [3]
<u>H</u>	
Honduras[3]	
<u>I</u>	
Indonesia [2]	
<u>K</u>	
Kiribati [2]	
Korea Democratic Republic [2]	
<u>M</u>	
Malta [3]	
Moldova [1]	
Mongolia [2]	

Annex III. Default PSC Ship types

Ship types in **red** correspond to ship types that are not in the scope of these statistics (or for which no active ship is yet known in the world fleet of Equasis).

Although similar in layout, Annex III cannot be compared to Annex I given that the purpose of this Annex is to attribute a default PSC ship type to ships and not to create categories of ships as in Annex I.

This Annex was established mainly through statistical analysis and direct comparisons between IHS Maritime & Trade ship types and PSC ship types.

General Cargo/Multipurpose

Aggregates Carrier
Barge Carrier
Cement Carrier
Deck Cargo Ship
General Cargo Ship
Landing Craft
Latex Tanker
Limestone Carrier
Molasses Tanker
Palletised Cargo Ship
Passenger/Landing Craft
Refined Sugar Carrier

Refrigerated Cargo

Fish Carrier
Fish Factory Ship
Fruit Juice Tanker
Refrigerated Cargo Ship

Heavy load

Heavy Load Carrier

Container

Container Ship

Ro-Ro cargo

Container Ro-Ro Cargo Ship
Ro-Ro Cargo Ship

Bulk Carrier

Bulk Carrier
Bulk Dry Storage Ship
Bulk/Caustic Soda Carrier
Ore Carrier
Self-Discharging Bulk Carrier

Oil tanker

Asphalt/Bitumen Tanker
Bunkering Tanker
Crude Oil Tanker
FSO, Oil
Oil Products Tanker
Ore/Oil Carrier
Water Tanker

Chemical tanker

Chemical Tanker
Chemical/Oil Products Tanker
Vegetable Oil Tanker

Combination carrier

Bulk/Oil Carrier
Coal/Oil Mixture Tanker
Ore/Oil Carrier

Gas carrier

CO₂ Tanker
Combination Gas Tanker (LNG/LPG)
LNG Tanker
LPG Tanker

NLS Tanker

Wine Tanker

High speed passenger craft

None

Passenger Ship

Exhibition Vessel
Passenger (Cruise) Ship
Passenger Ship
Sailing Vessel

RoRo passenger ship

Accommod. Offshore Supp Vessel
Passenger/Ro-Ro Cargo Ship

Offshore supply

Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe-Layer
Well-Stimulation Vessel

Special purpose ship

Cable-Layer
Cable Repair Ship
Crane Ship
Fire-Fighting Vessel
Fishing Support Vessel
Icebreaker
Power Station Vessel

Tug

Pusher Tug
Tug

Other special activities

Anchor Hoy
Buoy/Lighthouse Vessel
Caprolactam Tanker
Drilling Ship
Edible Oil Tanker
Hopper Dredger
Hospital Vessel
Kelp Dredger
Launch (Unspecified)
Mining Vessel
Mooring Vessel
Motor Hopper
Nuclear Fuel Carrier
Offshore Processing Ship
Passenger/Container Ship
Passenger/General Cargo Ship
Patrol Vessel
Pearl Shells Carrier
Pilot Vessel
Pipe Burying Vessel
Pollution Control Vessel
Powder Carrier
Production Testing Vessel
Research Vessel
Sail Training Ship
Salvage Ship
Seal-Catcher
Search & Rescue Vessel
Standby-Safety Vessel
Supply Vessel

Tank-Cleaning Vessel
Training Ship
Trans-Shipment Vessel
Trenching Support Vessel
Urea Carrier
Utility Vessel
Vessel (function unknown)
Waste Disposal Vessel
Whale-Catcher
Wood Chips Carrier
Work/Repair Vessel

Other

Crewboat
Dredger
Fishing Vessel
Live-Fish Carrier
Livestock Carrier
Unknown
Vehicles Carrier

Annex IV. List of Statutory Certificates, by conventions

SOLAS (and STCW)

SOLAS/STCW

Minimum safe manning document

SOLAS - INF

International Certificate of Fitness for the Carriage of Cargo

SOLAS - ISM

Document of Compliance
Safety Management Certificate

SOLAS - ISPS

International Ship Security Certificate

SOLAS - IMDG

Document of compliance with the special requirements for ships carrying dangerous goods

SOLAS - GC

Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - IGC

International Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - HSC

High-Speed Craft Safety Certificate

SOLAS - MODU

Mobile Offshore Drilling Unit Safety Certificate

SOLAS - SPS

Special Purpose Ship Safety Certificate

SOLAS - PSSC

Passenger Ship Safety Certificate, including Record of Equipment

SOLAS - CLC

Certificate of insurance or other financial security in respect of civil liability for oil pollution damage

SOLAS/CSS

Cargo Ship Safety Certificate, including Record of Equipment
Cargo Ship Safety Equipment Certificate, including Record of Equipment
Cargo Ship Safety Construction Certificate
Cargo Ship Safety Radio Certificate, including Record of Equipment

SOLAS/CSR

Continuous Synopsis Record

SOLAS/INF

International Certificate of Fitness for the Carriage of Cargo

MARPOL

MARPOL - IAPP

International Air Pollution Prevention Certificate

MARPOL - IEEC

International Energy Efficiency Certificate

MARPOL - IOPP

International Oil Pollution Prevention Certificate

MARPOL - ISPP

International Sewage Pollution Prevention Certificate

MARPOL - EIAPP

Engine International Air Pollution Prevention Certificate

MARPOL - IBC

International Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

MARPOL - NLS

International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk

MARPOL - BCH

Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

MARPOL - CAS

Condition Assessment Scheme Statement of Compliance

Other Conventions

ITC

International Tonnage Certificate

Load Lines

International Load Line Certificate

AFS

International Anti-Fouling System Certificate
Statement of AFS Compliance
Declaration of AFS Compliance

Ballast WM

Ballast Water Management Certificate

CLC

Certificate of insurance or other financial security in respect of civil liability for oil pollution damage

BUNKER

Certificate of insurance or other financial security in respect of civil liability for bunker oil pollution damage

MARITIME LABOUR CONVENTION

Maritime Labour Certificate

Annex V. Ships in the scope of Trade Association and vetting programs

In Chapter 6, various figures from trade association and vetting programs are compared to a base population of ships of a relevant ship type. This Annex gives the relevant ship types for each trade association and vetting programs

Intertanko

“Gas Tankers”
and **“Oil & Chemical Tankers”**
(as described in Annex I)

Intercargo

“Bulk Carriers”
and **“General Cargo Ships”**
(as described in Annex I)

Note that Intercargo deals normally with ships with deadweight over 10,000. This need to be kept in mind when analysing figures of medium sized ships associated with Intercargo.

Intermanager

“Bulk Carriers”
“General Cargo Ships”
and **“Oil & Chemical Tanker”**
(as described in Annex I)

Green Award

A subset of Bulk Carriers:

Aggregates Carrier
Bulk Carrier
Bulk Dry Storage Ship
Cement Carrier
Limestone Carrier
Ore Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Wood Chips Carrier

Gas Tankers:

CO2 Tanker
LNG Tanker
LPG Tanker

Oil & Chemical Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
Crude Oil Tanker
Oil Products Tanker

CDI

The following Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
LPG Tanker
Vegetable Oil Tanker

OCIMF

“Gas Tankers”
and **“Oil & Chemical Tanker”**
(as described in Annex I)