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The World Merchant Fleet in 2017
- Statistics from Equasis

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Introduction to Equasis

Equasis is a global information system which collates existing safety-related information on ships from both public and private sources, and makes it available to everyone on the Internet. The principles and objectives of the project are as follows:

- Equasis should be a tool aimed at reducing substandard shipping, and it should be limited to safety-related information on ships;
- Equasis has no commercial purpose; it addresses a public concern and should act accordingly;
- Equasis should be an international database covering the whole world fleet;
- Active co-operation with all players involved in the maritime industry is needed;
- Equasis will be a tool used for better selection of ships, but it will be used on a voluntary basis and there will be no legal pressure for industry to use it.

Equasis helps promote the exchange of unbiased information and transparency in maritime transport and thus allow persons involved in maritime transport to be better informed about the performance of ships and maritime organisations with which they are dealing. The Equasis website went live on 17th May 2000 and was recently updated in February 2017.

Equasis is a publically funded project run by a Supervisory Committee of funding partners, with the International Maritime Organization as an observer, and an Editorial Board of the data providers. The present funding partners and members of the Supervisory Committee are:

- France;
- European Commission, represented by the European Maritime Safety Agency (EMSA);
- United Kingdom;
- Japan;
- United States of America;
- Norway;
- Canada;
- Republic of Korea;
- Brazil; and,
- Spain.

A list of the data providers can be found at:

http://www.equasis.org/EquasisWeb/public/About?fs=About&P_ABOUT=Providers.html

The Equasis Management Unit is hosted by EMSA in Lisbon and the database is hosted by France in St. Malo.

Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2017, 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 Markit 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 \geq 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 Markit 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 Markit 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.

The "default PSC ship type" is based on the ship type as provided by IHS Markit Maritime & Trade. Annex III provides the aggregation used for this purpose. This Annex was established mainly through statistical analysis and direct comparisons between IHS Markit 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 2017 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 over 60 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 (Réunion Island), India, Iran, Mauritius, Oman, South Africa, Sri Lanka, Maldives, Kenya and Bangladesh were considered in these statistics.

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 by small and medium sized ships up to 24.999 GT (80%). Small ships alone represent 37% by number, although around only 1% by tonnage.

Tugs (20.4%), general cargo ships (17.9%), oil and chemical tankers (14.8%) and bulk carriers (13.0%) are the four most common ship types by number, representing about two thirds of the Equasis fleet. Most of these are small and medium sized ships. It should be noted that the 2017 data does not include fishing vessels with an IMO number – these vessels were only added to the Equasis database in 2018 and will be incorporated in next year's review.

Within the large and very large categories, bulk carriers (43.0%), oil and chemical tankers (25.2%) and container ships (16.4%) represent approximately 85% of the fleet in number in these ship size categories.

In terms of tonnage, the large and very large size categories represent 82% of the Equasis fleet (Graph 2), with oil and chemical tankers, bulk carriers, and container ships jointly dominating both categories at 84.3% (large) and 82.5% (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 77.9% (large) and 83.0% (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 over a third (36%) of the total number of ships in Equasis are associated with a targeted flag State. Graphs 17 and 19 show that this proportion is lower for large ships (32%) and very large ships (32%).

Tables 13 and 14 both show that for the targeted flag States, general cargo ships are the most common ship category in number (28.9%), but bulk carriers are the most common ship type category by tonnage (39.8%). This is expected considering that these two ship types are the most common with respect to the total number of ships and tonnage (20.9% and 34.6%, respectively). Even though, in number of ships general cargo, bulk carriers and oil and chemical tankers are similar (20.9%, 20.1%, 20.2%, respectively), general cargo ships are clearly more common in targeted flags (28.9%, 21.5%, 18.9%, respectively). Oil and chemical tankers (21.0%), container ships (9.8%) and offshore vessels (11.7%) have a larger proportion of the total number of ships originating from non-targeted flag States when compared to targeted flag States

Since the last edition of the annual statistics a new section has been introduced – "2.4 – Ship Sightings by Geographical Area". Ship sightings are provided to Equasis 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 suggests that the majority of maritime traffic occurs in the Mediterranean Sea (13.1%) and Asia (37.5%), with both geographical areas accounting for 50% of the total sightings reported to Equasis. In respect to ship size, small sized ships were predominately sighted in the Mediterranean Sea (24.7%) while very large ships in Asia (40.2%).

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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,317	12.8%	11,691	29.9%	238	2.0%			16,246	17.9%
Specialized Cargo Ships	8	0.0%	237	0.6%	68	0.6%	5	0.1%	318	0.4%
Container Ships	19	0.1%	2,256	5.8%	1,527	13.0%	1,400	23.2%	5,202	5.7%
Ro-Ro Cargo Ships	29	0.1%	648	1.7%	581	4.9%	235	3.9%	1,493	1.6%
Bulk Carriers	313	0.9%	3,786	9.7%	5,945	50.5%	1,704	28.2%	11,748	13.0%
Oil and Chemical Tankers	1,904	5.6%	7,043	18.0%	2,642	22.4%	1,842	30.5%	13,431	14.8%
Gas Tankers	36	0.1%	1,128	2.9%	351	3.0%	464	7.7%	1,979	2.2%
Other Tankers	388	1.1%	663	1.7%	11	0.1%			1,062	1.2%
Passenger Ships	3,973	11.8%	2,734	7.0%	271	2.3%	177	2.9%	7,155	7.9%
Offshore Vessels	2,686	8.0%	5,324	13.6%	123	1.0%	205	3.4%	8,338	9.2%
Service Ships	2,599	7.7%	2,601	6.6%	26	0.2%	7	0.1%	5,233	5.8%
Tugs	17,480	51.8%	1,030	2.6%					18,510	20.4%
Total	33,752	100%	39,141	100%	11,783	100%	6,039	100%	90,715	100%

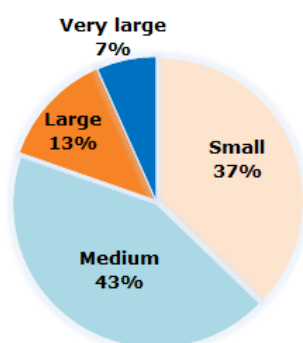
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

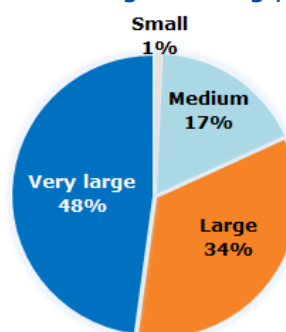
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,457	16.3%	49,183	21.6%	7,789	1.8%			58,429	4.5%
Specialized Cargo Ships	3	0.0%	1,896	0.8%	2,564	0.6%	371	0.1%	4,834	0.4%
Container Ships	8	0.1%	26,403	11.6%	57,909	13.1%	148,557	23.8%	232,877	17.9%
Ro-Ro Cargo Ships	10	0.1%	6,418	2.8%	27,599	6.2%	15,788	2.5%	49,815	3.8%
Bulk Carriers	123	1.4%	56,597	24.8%	220,764	49.8%	170,408	27.3%	447,892	34.3%
Oil and Chemical Tankers	612	6.8%	42,941	18.9%	94,975	21.4%	196,210	31.4%	334,738	25.7%
Gas Tankers	14	0.2%	7,068	3.1%	15,150	3.4%	51,356	8.2%	73,588	5.6%
Other Tankers	115	1.3%	1,907	0.8%	324	0.1%			2,346	0.2%
Passenger Ships	1,019	11.4%	11,250	4.9%	9,766	2.2%	18,418	3.0%	40,453	3.1%
Offshore Vessels	755	8.4%	14,579	6.4%	5,638	1.3%	22,130	3.5%	43,102	3.3%
Service Ships	637	7.1%	8,523	3.7%	920	0.2%	952	0.2%	11,032	0.8%
Tugs	4,190	46.9%	1,009	0.4%					5,199	0.4%
Total	8,943	100%	227,774	100%	443,398	100%	624,190	100%	1,304,305	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	3,388	10.0%	4,318	11.0%	2,484	21.1%	1,564	25.9%	11,754	13.0%
5-14 years old	9,157	27.1%	14,158	36.2%	6,696	56.8%	3,449	57.1%	33,460	36.9%
15-24 years old	5,464	16.2%	6,976	17.8%	2,150	18.2%	892	14.8%	15,482	17.1%
+25 years old	15,743	46.6%	13,689	35.0%	453	3.8%	134	2.2%	30,019	33.1%
Total	33,752	100%	39,141	100%	11,783	100%	6,039	100%	90,715	100%

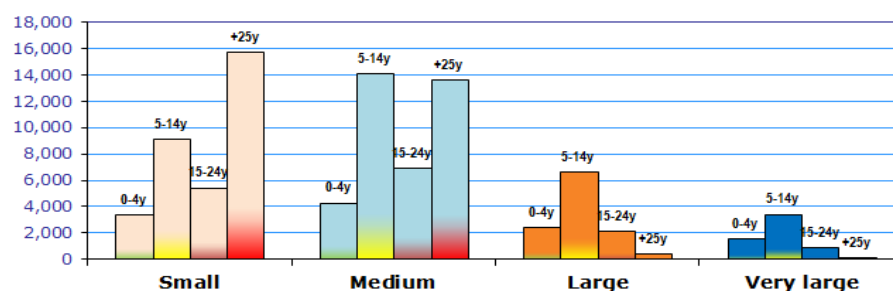
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

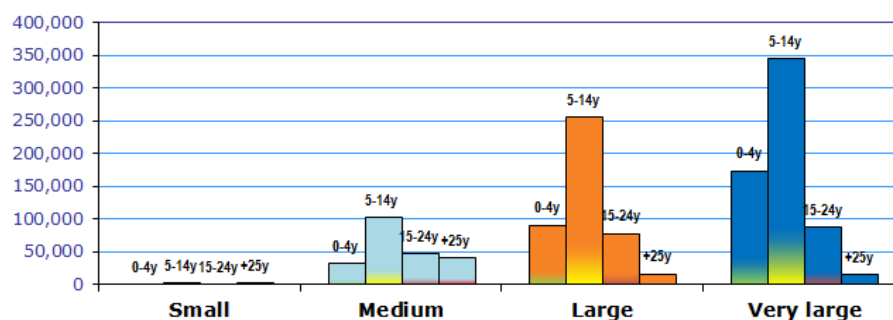
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	996	11.1%	33,643	14.8%	91,619	20.7%	174,516	28.0%	300,774	23.1%
5-14 years old	2,509	28.1%	104,177	45.7%	256,082	57.8%	346,157	55.5%	708,925	54.4%
15-24 years old	1,459	16.3%	48,110	21.1%	78,811	17.8%	88,135	14.1%	216,515	16.6%
+25 years old	3,978	44.5%	41,845	18.4%	16,885	3.8%	15,380	2.5%	78,088	6.0%
Total	8,942	100%	227,775	100%	443,397	100%	624,188	100%	1,304,302	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

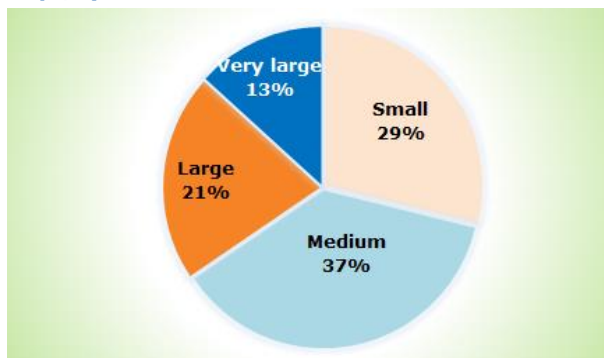
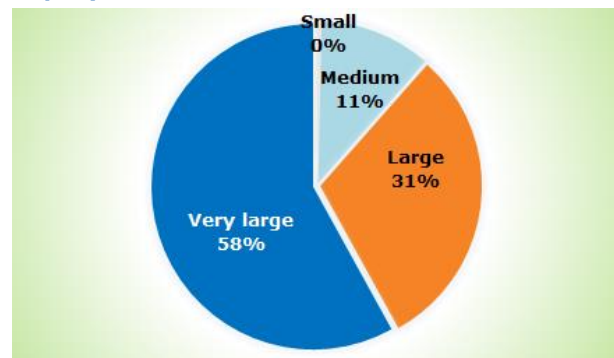
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	198	5.8%	640	14.8%	65	2.6%			903	7.7%
Specialized Cargo Ships			32	0.7%	13	0.5%	3	0.2%	48	0.4%
Container Ships	2	0.1%	233	5.4%	175	7.0%	408	26.1%	818	7.0%
Ro-Ro Cargo Ships	1	0.0%	48	1.1%	39	1.6%	77	4.9%	165	1.4%
Bulk Carriers	20	0.6%	593	13.7%	1,495	60.2%	386	24.7%	2,494	21.2%
Oil and Chemical Tankers	130	3.8%	741	17.2%	480	19.3%	475	30.4%	1,826	15.5%
Gas Tankers			177	4.1%	168	6.8%	142	9.1%	487	4.1%
Other Tankers	51	1.5%	129	3.0%	5	0.2%			185	1.6%
Passenger Ships	297	8.8%	279	6.5%	16	0.6%	27	1.7%	619	5.3%
Offshore Vessels	383	11.3%	973	22.5%	24	1.0%	45	2.9%	1,425	12.1%
Service Ships	276	8.1%	345	8.0%	4	0.2%	1	0.1%	626	5.3%
Tugs	2,030	59.9%	128	3.0%					2,158	18.4%
Total	3,388	100%	4,318	100%	2,484	100%	1,564	100%	11,754	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	82	8.2%	3,813	11.3%	2,016	2.2%			5,911	2.0%
Specialized Cargo Ships			340	1.0%	522	0.6%	218	0.1%	1,080	0.4%
Container Ships	1	0.1%	2,874	8.5%	6,342	6.9%	54,658	31.3%	63,875	21.2%
Ro-Ro Cargo Ships			535	1.6%	1,910	2.1%	5,587	3.2%	8,032	2.7%
Bulk Carriers	9	0.9%	11,103	33.0%	56,421	61.6%	40,410	23.2%	107,943	35.9%
Oil and Chemical Tankers	49	4.9%	5,856	17.4%	15,292	16.7%	48,318	27.7%	69,515	23.1%
Gas Tankers			1,658	4.9%	7,054	7.7%	16,311	9.3%	25,023	8.3%
Other Tankers	17	1.7%	624	1.9%	134	0.1%			775	0.3%
Passenger Ships	96	9.6%	1,169	3.5%	665	0.7%	3,978	2.3%	5,908	2.0%
Offshore Vessels	111	11.1%	4,161	12.4%	1,137	1.2%	4,633	2.7%	10,042	3.3%
Service Ships	69	6.9%	1,387	4.1%	126	0.1%	403	0.2%	1,985	0.7%
Tugs	562	56.4%	123	0.4%					685	0.2%
Total	996	100%	33,643	100%	91,619	100%	174,516	100%	300,774	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

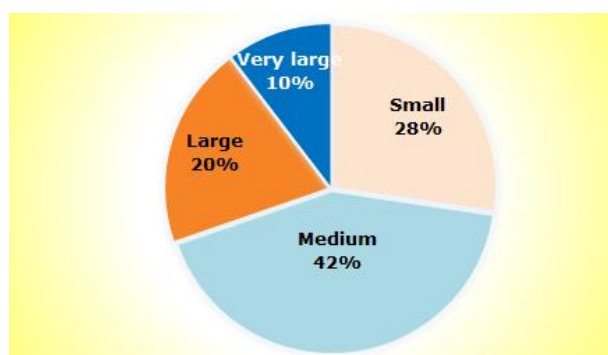
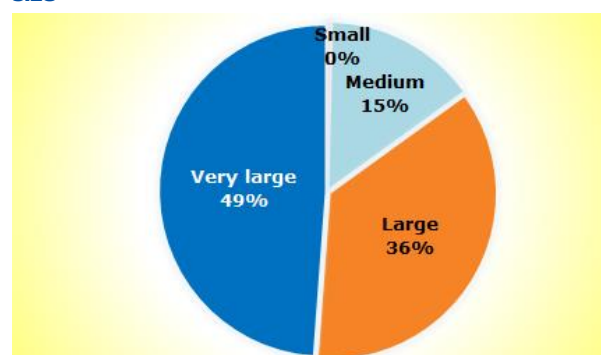
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	632	6.9%	3,661	25.9%	84	1.3%			4,377	13.1%
Specialized Cargo Ships			60	0.4%	7	0.1%	2	0.1%	69	0.2%
Container Ships	16	0.2%	1,022	7.2%	973	14.5%	794	23.0%	2,805	8.4%
Ro-Ro Cargo Ships	8	0.1%	104	0.7%	363	5.4%	136	3.9%	611	1.8%
Bulk Carriers	12	0.1%	1,941	13.7%	3,430	51.2%	1,124	32.6%	6,507	19.4%
Oil and Chemical Tankers	280	3.1%	2,877	20.3%	1,599	23.9%	1,040	30.2%	5,796	17.3%
Gas Tankers	4	0.0%	395	2.8%	110	1.6%	234	6.8%	743	2.2%
Other Tankers	47	0.5%	202	1.4%	3	0.0%			252	0.8%
Passenger Ships	555	6.1%	512	3.6%	71	1.1%	73	2.1%	1,211	3.6%
Offshore Vessels	763	8.3%	2,493	17.6%	44	0.7%	46	1.3%	3,346	10.0%
Service Ships	525	5.7%	557	3.9%	12	0.2%			1,094	3.3%
Tugs	6,315	69.0%	334	2.4%					6,649	19.9%
Total	9,157	100%	14,158	100%	6,696	100%	3,449	100%	33,460	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	278	11.1%	21,036	20.2%	3,020	1.2%			24,334	3.4%
Specialized Cargo Ships			690	0.7%	255	0.1%	153	0.0%	1,098	0.2%
Container Ships	6	0.2%	12,343	11.8%	38,277	14.9%	79,367	22.9%	129,993	18.3%
Ro-Ro Cargo Ships	3	0.1%	1,381	1.3%	17,295	6.8%	8,713	2.5%	27,392	3.9%
Bulk Carriers	5	0.2%	31,631	30.4%	129,556	50.6%	110,165	31.8%	271,357	38.3%
Oil and Chemical Tankers	101	4.0%	21,619	20.8%	57,697	22.5%	110,422	31.9%	189,839	26.8%
Gas Tankers	2	0.1%	2,997	2.9%	4,905	1.9%	26,119	7.5%	34,023	4.8%
Other Tankers	16	0.6%	739	0.7%	95	0.0%			850	0.1%
Passenger Ships	153	6.1%	2,066	2.0%	2,526	1.0%	7,853	2.3%	12,598	1.8%
Offshore Vessels	237	9.4%	6,989	6.7%	1,998	0.8%	3,365	1.0%	12,589	1.8%
Service Ships	127	5.1%	2,296	2.2%	458	0.2%			2,881	0.4%
Tugs	1,581	63.0%	390	0.4%					1,971	0.3%
Total	2,509	100%	104,177	100%	256,082	100%	346,157	100%	708,925	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

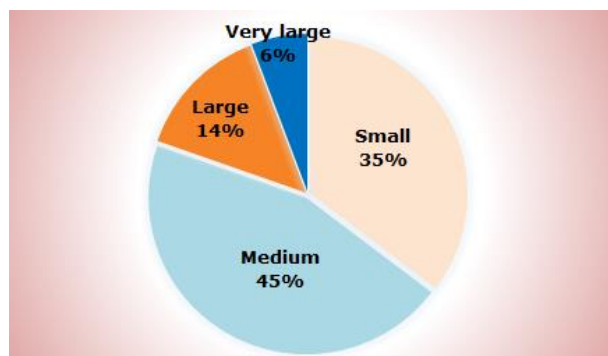
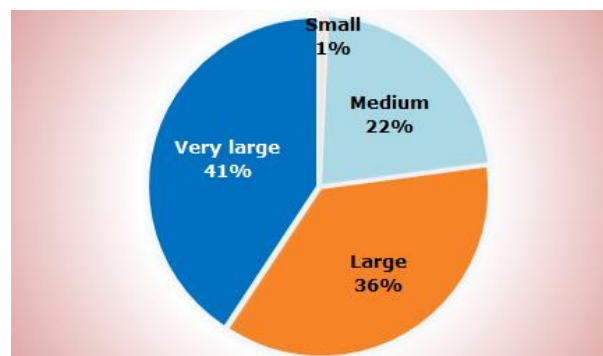
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	729	13.3%	2,086	29.9%	63	2.9%			2,878	18.6%
Specialized Cargo Ships			24	0.3%	8	0.4%			32	0.2%
Container Ships			816	11.7%	328	15.3%	198	22.2%	1,342	8.7%
Ro-Ro Cargo Ships	4	0.1%	191	2.7%	151	7.0%	22	2.5%	368	2.4%
Bulk Carriers	65	1.2%	634	9.1%	916	42.6%	161	18.0%	1,776	11.5%
Oil and Chemical Tankers	338	6.2%	1,264	18.1%	511	23.8%	322	36.1%	2,435	15.7%
Gas Tankers	5	0.1%	276	4.0%	43	2.0%	69	7.7%	393	2.5%
Other Tankers	45	0.8%	71	1.0%	3	0.1%			119	0.8%
Passenger Ships	853	15.6%	601	8.6%	103	4.8%	68	7.6%	1,625	10.5%
Offshore Vessels	346	6.3%	535	7.7%	20	0.9%	49	5.5%	950	6.1%
Service Ships	380	7.0%	370	5.3%	4	0.2%	3	0.3%	757	4.9%
Tugs	2,699	49.4%	108	1.5%					2,807	18.1%
Total	5,464	100%	6,976	100%	2,150	100%	892	100%	15,482	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	263	18.0%	10,329	21.5%	2,011	2.6%			12,603	5.8%
Specialized Cargo Ships			202	0.4%	328	0.4%			530	0.2%
Container Ships			9,437	19.6%	11,429	14.5%	14,532	16.5%	35,398	16.3%
Ro-Ro Cargo Ships	2	0.1%	2,311	4.8%	7,224	9.2%	1,488	1.7%	11,025	5.1%
Bulk Carriers	28	1.9%	8,731	18.1%	31,016	39.4%	15,291	17.3%	55,066	25.4%
Oil and Chemical Tankers	102	7.0%	9,452	19.6%	20,107	25.5%	37,005	42.0%	66,666	30.8%
Gas Tankers	2	0.1%	1,619	3.4%	1,873	2.4%	7,126	8.1%	10,620	4.9%
Other Tankers	13	0.9%	206	0.4%	95	0.1%			314	0.1%
Passenger Ships	217	14.9%	2,790	5.8%	3,613	4.6%	5,949	6.7%	12,569	5.8%
Offshore Vessels	112	7.7%	1,400	2.9%	978	1.2%	6,391	7.3%	8,881	4.1%
Service Ships	84	5.8%	1,543	3.2%	137	0.2%	353	0.4%	2,117	1.0%
Tugs	636	43.6%	90	0.2%					726	0.3%
Total	1,459	100%	48,110	100%	78,811	100%	88,135	100%	216,515	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 15-14 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**

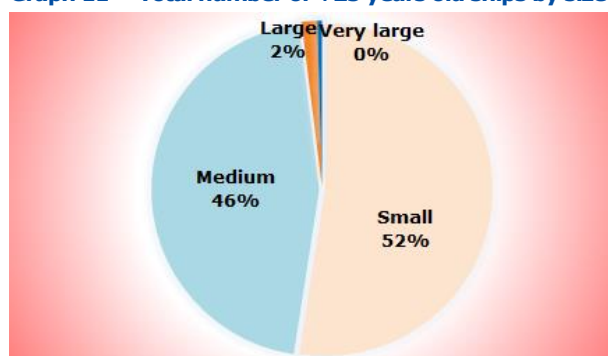
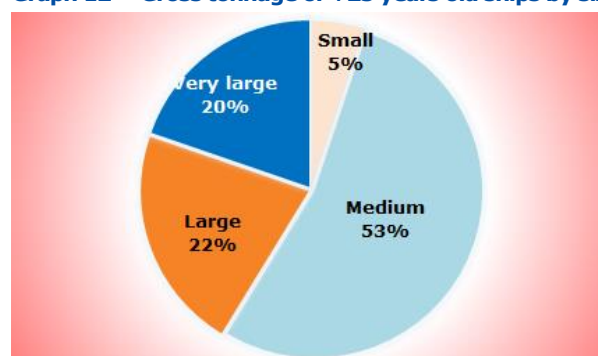
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,758	17.5%	5,304	38.7%	26	5.7%			8,088	26.9%
Specialized Cargo Ships	8	0.1%	121	0.9%	40	8.8%			169	0.6%
Container Ships	1	0.0%	185	1.4%	51	11.3%			237	0.8%
Ro-Ro Cargo Ships	16	0.1%	305	2.2%	28	6.2%			349	1.2%
Bulk Carriers	216	1.4%	618	4.5%	104	23.0%	33	24.6%	971	3.2%
Oil and Chemical Tankers	1,156	7.3%	2,161	15.8%	52	11.5%	5	3.7%	3,374	11.2%
Gas Tankers	27	0.2%	280	2.0%	30	6.6%	19	14.2%	356	1.2%
Other Tankers	245	1.6%	261	1.9%					506	1.7%
Passenger Ships	2,268	14.4%	1,342	9.8%	81	17.9%	9	6.7%	3,700	12.3%
Offshore Vessels	1,194	7.6%	1,323	9.7%	35	7.7%	65	48.5%	2,617	8.7%
Service Ships	1,418	9.0%	1,329	9.7%	6	1.3%	3	2.2%	2,756	9.2%
Tugs	6,436	40.9%	460	3.4%					6,896	23.0%
Total	15,743	100%	13,689	100%	453	100%	134	100%	30,019	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	833	20.9%	14,006	33.5%	743	4.4%			15,582	20.0%
Specialized Cargo Ships	3	0.1%	664	1.6%	1,459	8.6%			2,126	2.7%
Container Ships			1,749	4.2%	1,860	11.0%			3,609	4.6%
Ro-Ro Cargo Ships	5	0.1%	2,191	5.2%	1,170	6.9%			3,366	4.3%
Bulk Carriers	83	2.1%	5,132	12.3%	3,771	22.3%	4,542	29.5%	13,528	17.3%
Oil and Chemical Tankers	360	9.0%	6,014	14.4%	1,880	11.1%	466	3.0%	8,720	11.2%
Gas Tankers	10	0.3%	795	1.9%	1,317	7.8%	1,800	11.7%	3,922	5.0%
Other Tankers	69	1.7%	337	0.8%					406	0.5%
Passenger Ships	553	13.9%	5,225	12.5%	2,962	17.5%	637	4.1%	9,377	12.0%
Offshore Vessels	295	7.4%	2,029	4.8%	1,525	9.0%	7,740	50.3%	11,589	14.8%
Service Ships	356	8.9%	3,297	7.9%	198	1.2%	195	1.3%	4,046	5.2%
Tugs	1,411	35.5%	406	1.0%					1,817	2.3%
Total	3,978	100%	41,845	100%	16,885	100%	15,380	100%	78,088	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	
	Count	%	Count	%	Count	%
General Cargo Ships	5,990	28.9%	5,939	16.4%	11,929	20.9%
Specialized Cargo Ships	131	0.6%	179	0.5%	310	0.5%
Container Ships	1,619	7.8%	3,564	9.8%	5,183	9.1%
Ro-Ro Cargo Ships	530	2.6%	934	2.6%	1,464	2.6%
Bulk Carriers	4,452	21.5%	6,983	19.3%	11,435	20.1%
Oil and Chemical Tankers	3,925	18.9%	7,602	21.0%	11,527	20.2%
Gas Tankers	612	3.0%	1,331	3.7%	1,943	3.4%
Other Tankers	210	1.0%	464	1.3%	674	1.2%
Passenger Ships	1,049	5.1%	2,133	5.9%	3,182	5.6%
Offshore Vessels	1,426	6.9%	4,226	11.7%	5,652	9.9%
Service Ships	600	2.9%	2,034	5.6%	2,634	4.6%
Tugs	182	0.9%	848	2.3%	1,030	1.8%
Total	20,726	100%	36,237	100%	56,963	100%

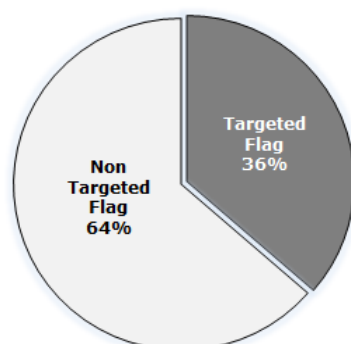
Source: Equasis

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

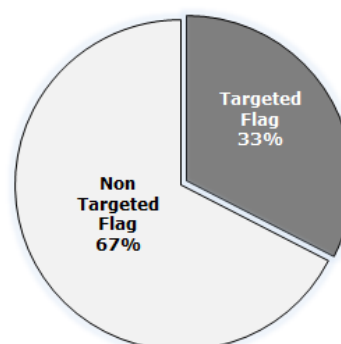
Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	24,503	5.8%	32,469	3.7%	56,972	4.4%
Specialized Cargo Ships	1,426	0.3%	3,406	0.4%	4,832	0.4%
Container Ships	60,705	14.4%	172,163	19.7%	232,868	18.0%
Ro-Ro Cargo Ships	17,099	4.1%	32,706	3.7%	49,805	3.8%
Bulk Carriers	167,836	39.8%	279,932	32.1%	447,768	34.6%
Oil and Chemical Tankers	109,501	25.9%	224,627	25.7%	334,128	25.8%
Gas Tankers	17,998	4.3%	55,575	6.4%	73,573	5.7%
Other Tankers	548	0.1%	1,683	0.2%	2,231	0.2%
Passenger Ships	10,382	2.5%	29,053	3.3%	39,435	3.0%
Offshore Vessels	9,529	2.3%	32,818	3.8%	42,347	3.3%
Service Ships	2,367	0.6%	8,025	0.9%	10,392	0.8%
Tugs	160	0.0%	850	0.1%	1,010	0.1%
Total	422,054	100%	873,307	100%	1,295,361	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



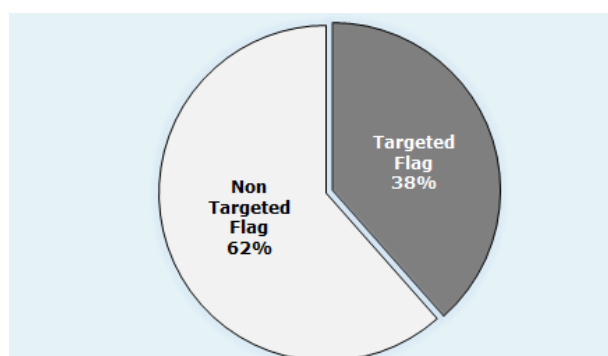
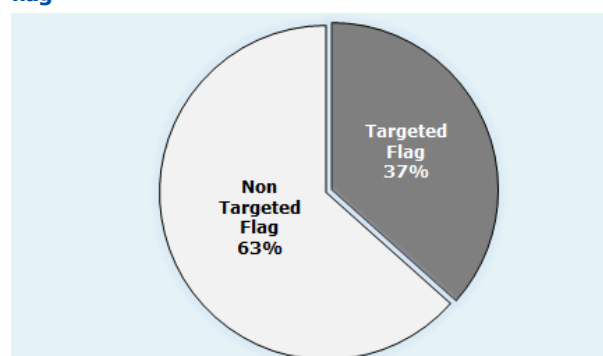
MEDIUM SIZED SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	5,946	39.5%	5,745	23.9%	11,691	29.9%
Specialized Cargo Ships	108	0.7%	129	0.5%	237	0.6%
Container Ships	896	5.9%	1,360	5.6%	2,256	5.8%
Ro-Ro Cargo Ships	239	1.6%	409	1.7%	648	1.7%
Bulk Carriers	1,594	10.6%	2,192	9.1%	3,786	9.7%
Oil and Chemical Tankers	2,603	17.3%	4,440	18.4%	7,043	18.0%
Gas Tankers	400	2.7%	728	3.0%	1,128	2.9%
Other Tankers	208	1.4%	455	1.9%	663	1.7%
Passenger Ships	950	6.3%	1,784	7.4%	2,734	7.0%
Offshore Vessels	1,348	8.9%	3,976	16.5%	5,324	13.6%
Service Ships	590	3.9%	2,011	8.4%	2,601	6.6%
Tugs	182	1.2%	848	3.5%	1,030	2.6%
Total	15,064	100%	24,077	100%	39,141	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	
	Count	%	Count	%	Count	%
General Cargo Ships	23,098	27.7%	26,085	18.1%	49,183	21.6%
Specialized Cargo Ships	537	0.6%	1,359	0.9%	1,896	0.8%
Container Ships	9,534	11.4%	16,869	11.7%	26,403	11.6%
Ro-Ro Cargo Ships	1,980	2.4%	4,438	3.1%	6,418	2.8%
Bulk Carriers	23,042	27.6%	33,555	23.2%	56,597	24.8%
Oil and Chemical Tankers	13,993	16.8%	28,948	20.0%	42,941	18.9%
Gas Tankers	2,326	2.8%	4,742	3.3%	7,068	3.1%
Other Tankers	492	0.6%	1,415	1.0%	1,907	0.8%
Passenger Ships	3,361	4.0%	7,889	5.5%	11,250	4.9%
Offshore Vessels	3,245	3.9%	11,334	7.9%	14,579	6.4%
Service Ships	1,626	1.9%	6,896	4.8%	8,522	3.7%
Tugs	160	0.2%	850	0.6%	1,010	0.4%
Total	83,394	100%	144,380	100%	227,774	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**

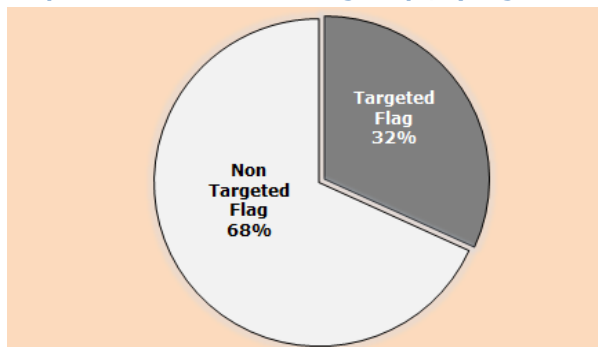
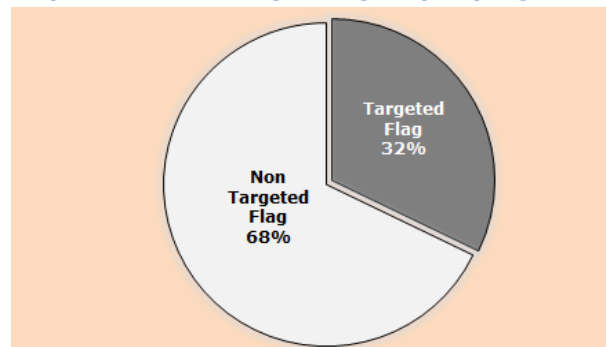
LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	44	1.2%	194	2.4%	238	2.0%
Specialized Cargo Ships	23	0.6%	45	0.6%	68	0.6%
Container Ships	369	9.8%	1,158	14.4%	1,527	13.0%
Ro-Ro Cargo Ships	217	5.8%	364	4.5%	581	4.9%
Bulk Carriers	2,194	58.5%	3,751	46.7%	5,945	50.5%
Oil and Chemical Tankers	704	18.8%	1,938	24.1%	2,642	22.4%
Gas Tankers	111	3.0%	240	3.0%	351	3.0%
Other Tankers	2	0.1%	9	0.1%	11	0.1%
Passenger Ships	45	1.2%	226	2.8%	271	2.3%
Offshore Vessels	35	0.9%	88	1.1%	123	1.0%
Service Ships	9	0.2%	17	0.2%	26	0.2%
Tugs						
Total	3,753	100%	8,030	100%	11,783	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	1,405	1.0%	6,384	2.1%	7,789	1.8%
Specialized Cargo Ships	889	0.6%	1,676	0.6%	2,565	0.6%
Container Ships	13,612	9.5%	44,297	14.7%	57,909	13.1%
Ro-Ro Cargo Ships	10,234	7.2%	17,365	5.8%	27,599	6.2%
Bulk Carriers	81,838	57.3%	138,925	46.2%	220,763	49.8%
Oil and Chemical Tankers	26,547	18.6%	68,429	22.8%	94,976	21.4%
Gas Tankers	4,879	3.4%	10,270	3.4%	15,149	3.4%
Other Tankers	56	0.0%	268	0.1%	324	0.1%
Passenger Ships	1,476	1.0%	8,290	2.8%	9,766	2.2%
Offshore Vessels	1,540	1.1%	4,098	1.4%	5,638	1.3%
Service Ships	338	0.2%	581	0.2%	919	0.2%
Tugs						
Total	142,814	100%	300,583	100%	443,397	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**

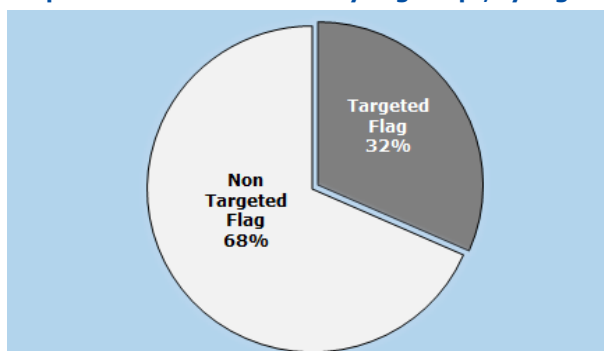
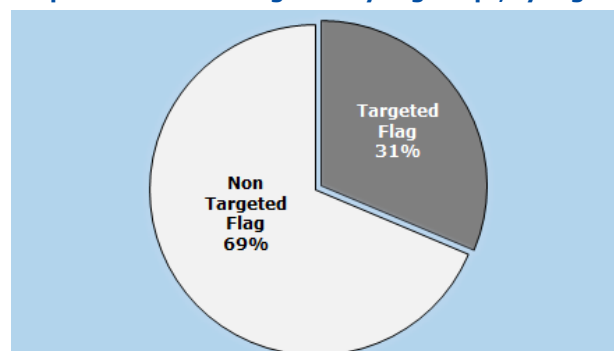
VERY LARGE SHIPS

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			5	0.1%	5	0.1%
Container Ships	354	18.5%	1,046	25.3%	1,400	23.2%
Ro-Ro Cargo Ships	74	3.9%	161	3.9%	235	3.9%
Bulk Carriers	664	34.8%	1,040	25.2%	1,704	28.2%
Oil and Chemical Tankers	618	32.4%	1,224	29.6%	1,842	30.5%
Gas Tankers	101	5.3%	363	8.8%	464	7.7%
Other Tankers						
Passenger Ships	54	2.8%	123	3.0%	177	2.9%
Offshore Vessels	43	2.3%	162	3.9%	205	3.4%
Service Ships	1	0.1%	6	0.1%	7	0.1%
Tugs						
Total	1,909	100%	4,130	100%	6,039	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			371	0.1%	371	0.1%
Container Ships	37,559	19.2%	110,997	25.9%	148,556	23.8%
Ro-Ro Cargo Ships	4,885	2.5%	10,903	2.5%	15,788	2.5%
Bulk Carriers	62,956	32.1%	107,452	25.1%	170,408	27.3%
Oil and Chemical Tankers	68,961	35.2%	127,250	29.7%	196,211	31.4%
Gas Tankers	10,793	5.5%	40,563	9.5%	51,356	8.2%
Other Tankers						
Passenger Ships	5,545	2.8%	12,874	3.0%	18,419	3.0%
Offshore Vessels	4,744	2.4%	17,386	4.1%	22,130	3.5%
Service Ships	403	0.2%	548	0.1%	951	0.2%
Tugs						
Total	195,846	100%	428,344	100%	624,190	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 – 2017

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	356	1.3%	1,649	1.7%	3,002	3.9%	1,781	4.4%	6,788	2.8%
East Africa	164	0.6%	1,854	1.9%	4,572	5.9%	2,875	7.1%	9,465	3.9%
East Asia	2,686	10.1%	13,862	13.9%	8,608	11.1%	5,038	12.4%	30,194	12.3%
Mediterranean Sea	5,267	19.9%	14,531	14.6%	7,121	9.1%	3,787	9.3%	30,706	12.6%
Middle America and Gulf of Mexico	1,153	4.4%	4,294	4.3%	4,810	6.2%	1,918	4.7%	12,175	5.0%
New Guinea Pacific	341	1.3%	1,386	1.4%	1,868	2.4%	812	2.0%	4,407	1.8%
North America East Coast	2,467	9.3%	4,954	5.0%	4,833	6.2%	2,062	5.1%	14,316	5.9%
North America West Coast	1,027	3.9%	1,917	1.9%	3,440	4.4%	1,290	3.2%	7,674	3.1%
North Asia	25	0.1%	128	0.1%	12	0.0%	13	0.0%	178	0.1%
North Europe	1,118	4.2%	6,044	6.1%	1,944	2.5%	694	1.7%	9,800	4.0%
South America East Coast	708	2.7%	3,296	3.3%	4,417	5.7%	1,893	4.7%	10,314	4.2%
South America West Coast	157	0.6%	1,285	1.3%	1,481	1.9%	522	1.3%	3,445	1.4%
South Asia	3,320	12.5%	12,252	12.3%	7,804	10.0%	4,461	11.0%	27,837	11.4%
South East Asia	3,535	13.4%	14,996	15.0%	8,749	11.2%	5,020	12.4%	32,300	13.2%
South Africa	338	1.3%	1,889	1.9%	4,690	6.0%	2,601	6.4%	9,518	3.9%
West Africa	1,186	4.5%	6,707	6.7%	5,741	7.4%	3,391	8.3%	17,025	7.0%
West Europe	2,627	9.9%	8,603	8.6%	4,741	6.1%	2,456	6.0%	18,427	7.5%
Total	26,475	100%	99,647	100%	77,833	100%	40,614	100%	244,569	100%

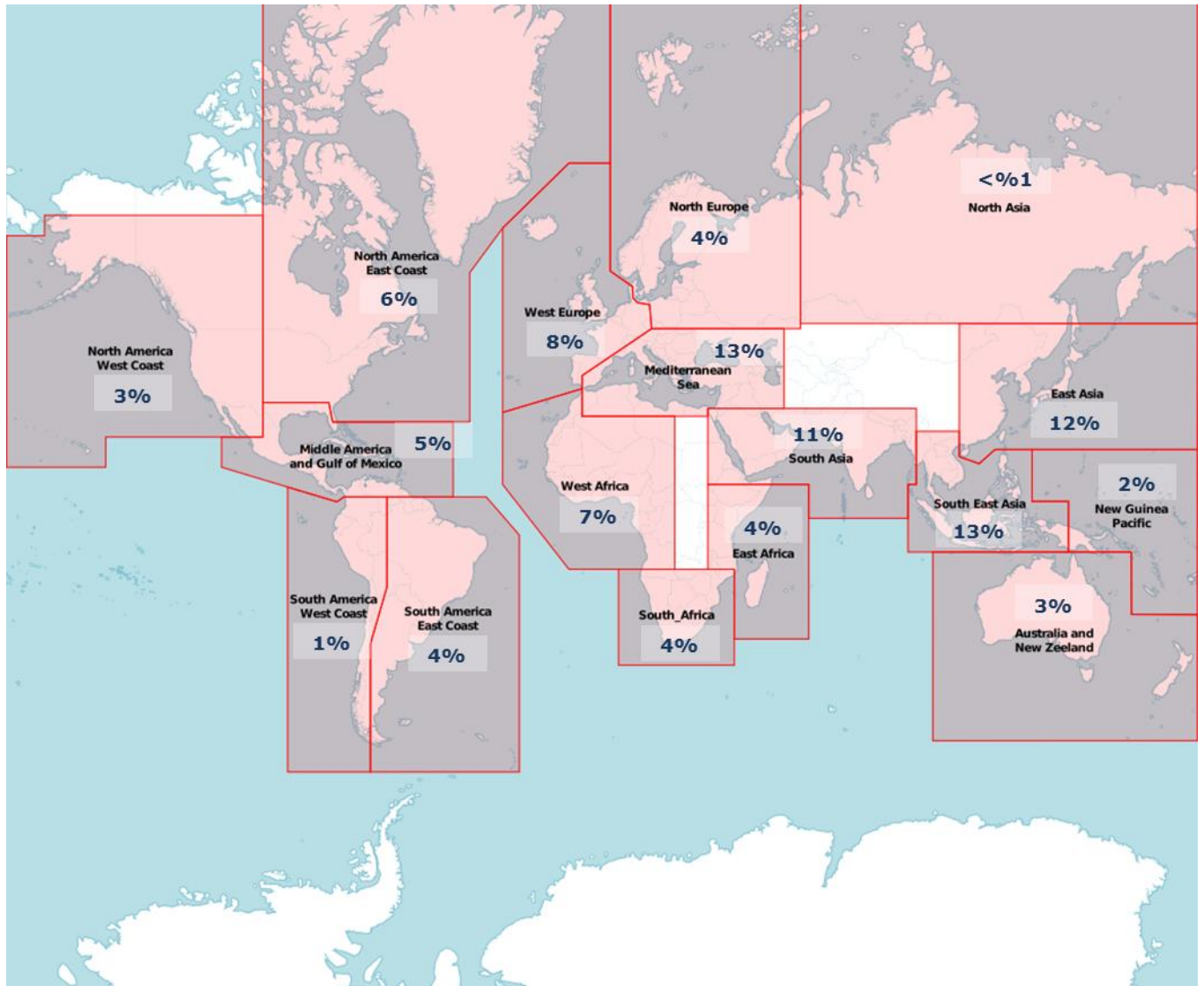
Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 22 - Ship Sightings: Gross tonnage (in 1000 gt) of distinct ships sighted by area and by size – 2017

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	117	1.5%	22,861	2.5%	121,896	4.1%	163,860	3.9%	308,734	3.8%
East Africa	56	0.7%	24,126	2.6%	176,815	5.9%	311,081	7.5%	512,078	6.3%
East Asia	890	11.4%	109,950	12.1%	330,477	11.1%	535,936	12.9%	977,253	12.1%
Mediterranean Sea	1,514	19.4%	114,247	12.5%	267,723	9.0%	400,231	9.6%	783,715	9.7%
Middle America and Gulf of Mexico	370	4.7%	50,936	5.6%	183,123	6.1%	183,758	4.4%	418,187	5.2%
New Guinea Pacific	103	1.3%	16,257	1.8%	77,112	2.6%	71,716	1.7%	165,188	2.0%
North America East Coast	666	8.5%	54,630	6.0%	184,538	6.2%	195,597	4.7%	435,431	5.4%
North America West Coast	256	3.3%	25,463	2.8%	135,034	4.5%	120,264	2.9%	281,017	3.5%
North Asia	6	0.1%	535	0.1%	463	0.0%	1,075	0.0%	2,079	0.0%
North Europe	312	4.0%	47,463	5.2%	73,409	2.5%	60,731	1.5%	181,915	2.3%
South America East Coast	230	2.9%	39,929	4.4%	166,341	5.6%	196,848	4.7%	403,348	5.0%
South America West Coast	53	0.7%	16,881	1.9%	53,845	1.8%	48,207	1.2%	118,986	1.5%
South Asia	966	12.4%	102,112	11.2%	298,265	10.0%	473,360	11.4%	874,703	10.8%
South East Asia	1,092	14.0%	112,791	12.4%	335,176	11.2%	532,815	12.8%	981,874	12.2%
South Africa	111	1.4%	24,715	2.7%	181,087	6.1%	277,703	6.7%	483,616	6.0%
West Africa	361	4.6%	71,013	7.8%	216,815	7.3%	354,788	8.5%	642,977	8.0%
West Europe	694	8.9%	77,481	8.5%	180,584	6.1%	239,392	5.7%	498,151	6.2%
Total	7,797	100%	911,390	100%	2,982,703	100%	4,167,362	100%	8,069,252	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 – 2017 ⁽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 2017, 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≥500, in each ship size category and ship type, which were classed by IACS members and those classed by non-IACS members (the

2018 data includes data from Türk Loydu, Overseas Marine Certification Services Class and Dromon Bureau of Shipping). Data on class comes from classification societies that are data-providers of Equasis while remaining class information is supplied by IHS Markit Maritime & Trade, when available.

There are 11,493 active ships for which no classification data is available at all in Equasis. This equates to a gross tonnage of 29,665,277, which is 2.3% 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 5,393 ships, representing a total gross tonnage of 28,112,068 (2.2% of the 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, USCG, Viña del Mar MoU Mediterranean MoU and Caribbean MoU. It should be noted that data from the Black Sea MoU will start being included in this report in 2018 as a data sharing agreement with Equasis has only just been concluded. It is hoped that Riyadh MoU and Abuja MoU data can also be included in 2018. Although all detentions are taken into account, whether or not the deficiencies giving rise to the detention were indicated by PSC as being 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 (61% by number and 77% by tonnage).

This proportion is reflected in most of the ship types although general cargo ships account for around a third (31.4%) of the world's fleet over 500GT that are not IACS classed or for which no record was available in Equasis (Table 23). Graphs 24 to 29 show that the IACS share is bigger, in number of ships, in the higher size categories of the ships, with 80% of the large ships and 78% of the very large ships categories being classed by IACS, (compared to 61% of the total). 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 74% of ships aged up to 5 years to 32% of the fleet over 25 years old.

Graph 62 shows that 40% of ships originated from Non-Targeted Flags are being classified by IACS members, with 24% of the ships being classed by non-IACS (or no record was found).

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 2.80% of inspections resulted in detention in 2017 (Table 71). Those ships classed by an IACS member had a lower detention ratio in 2017 (2.30%) than those classed with non-IACS members or with no recorded class (4.35%).

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	
	Count	%	Count	%	Count	%
General Cargo Ships	4,940	14.2%	6,989	31.4%	11,929	20.9%
Specialized Cargo Ships	209	0.6%	101	0.5%	310	0.5%
Container Ships	3,014	8.7%	2,169	9.7%	5,183	9.1%
Ro-Ro Cargo Ships	989	2.8%	475	2.1%	1,464	2.6%
Bulk Carriers	9,503	27.4%	1,932	8.7%	11,435	20.1%
Oil and Chemical Tankers	7,741	22.3%	3,786	17.0%	11,527	20.2%
Gas Tankers	1,459	4.2%	484	2.2%	1,943	3.4%
Other Tankers	416	1.2%	258	1.2%	674	1.2%
Passenger Ships	1,209	3.5%	1,973	8.9%	3,182	5.6%
Offshore Vessels	3,511	10.1%	2,141	9.6%	5,652	9.9%
Service Ships	1,088	3.1%	1,546	6.9%	2,634	4.6%
Tugs	635	1.8%	395	1.8%	1,030	1.8%
Total	34,714	100%	22,249	100%	56,963	100%

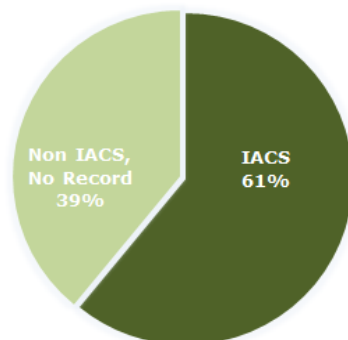
Source: Equasis - IACS membership on 31/12/2017

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

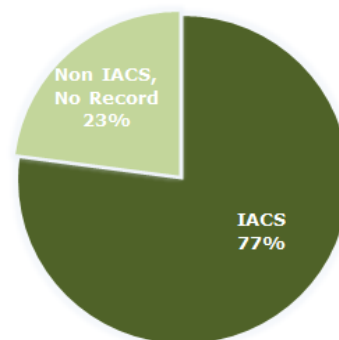
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	32,235	3.2%	24,738	8.3%	56,973	4.4%
Specialized Cargo Ships	3,938	0.4%	895	0.3%	4,833	0.4%
Container Ships	145,070	14.5%	87,798	29.6%	232,868	18.0%
Ro-Ro Cargo Ships	37,956	3.8%	11,848	4.0%	49,804	3.8%
Bulk Carriers	397,836	39.8%	49,932	16.8%	447,768	34.6%
Oil and Chemical Tankers	263,794	26.4%	70,332	23.7%	334,126	25.8%
Gas Tankers	59,028	5.9%	14,546	4.9%	73,574	5.7%
Other Tankers	1,775	0.2%	456	0.2%	2,231	0.2%
Passenger Ships	24,736	2.5%	14,698	5.0%	39,434	3.0%
Offshore Vessels	25,470	2.6%	16,876	5.7%	42,346	3.3%
Service Ships	6,155	0.6%	4,239	1.4%	10,394	0.8%
Tugs	642	0.1%	368	0.1%	1,010	0.1%
Total	998,635	100%	296,726	100%	1,295,361	100%

Source: Equasis - IACS membership on 31/12/2017

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

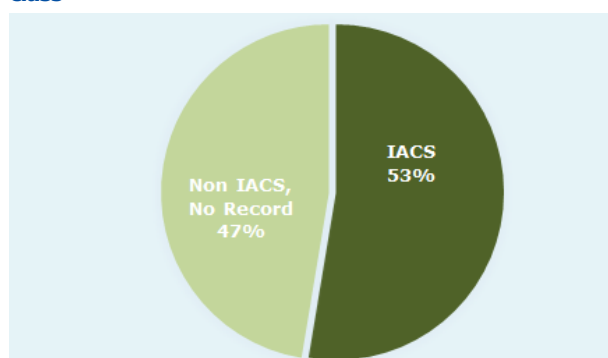
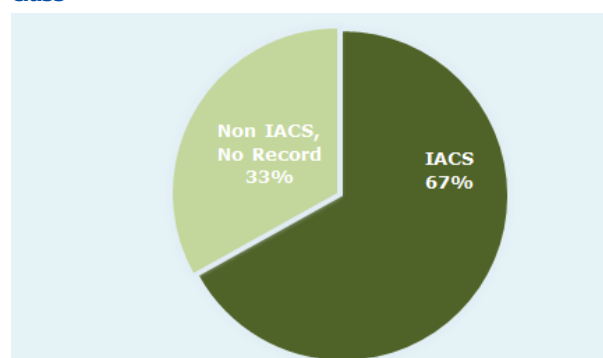
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,832	23.5%	6,859	37.0%	11,691	29.9%
Specialized Cargo Ships	147	0.7%	90	0.5%	237	0.6%
Container Ships	1,277	6.2%	979	5.3%	2,256	5.8%
Ro-Ro Cargo Ships	356	1.7%	292	1.6%	648	1.7%
Bulk Carriers	2,637	12.8%	1,149	6.2%	3,786	9.7%
Oil and Chemical Tankers	4,235	20.6%	2,808	15.1%	7,043	18.0%
Gas Tankers	819	4.0%	309	1.7%	1,128	2.9%
Other Tankers	406	2.0%	257	1.4%	663	1.7%
Passenger Ships	875	4.2%	1,859	10.0%	2,734	7.0%
Offshore Vessels	3,317	16.1%	2,007	10.8%	5,324	13.6%
Service Ships	1,063	5.2%	1,538	8.3%	2,601	6.6%
Tugs	635	3.1%	395	2.1%	1,030	2.6%
Total	20,599	100%	18,542	100%	39,141	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	28,807	18.9%	20,376	27.0%	49,183	21.6%
Specialized Cargo Ships	1,420	0.9%	477	0.6%	1,897	0.8%
Container Ships	15,585	10.2%	10,817	14.4%	26,402	11.6%
Ro-Ro Cargo Ships	4,314	2.8%	2,104	2.8%	6,418	2.8%
Bulk Carriers	44,770	29.4%	11,827	15.7%	56,597	24.8%
Oil and Chemical Tankers	30,861	20.2%	12,080	16.0%	42,941	18.9%
Gas Tankers	5,515	3.6%	1,553	2.1%	7,068	3.1%
Other Tankers	1,484	1.0%	423	0.6%	1,907	0.8%
Passenger Ships	5,719	3.8%	5,531	7.3%	11,250	4.9%
Offshore Vessels	8,668	5.7%	5,911	7.8%	14,579	6.4%
Service Ships	4,641	3.0%	3,882	5.2%	8,523	3.7%
Tugs	642	0.4%	368	0.5%	1,010	0.4%
Total	152,426	100%	75,349	100%	227,775	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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

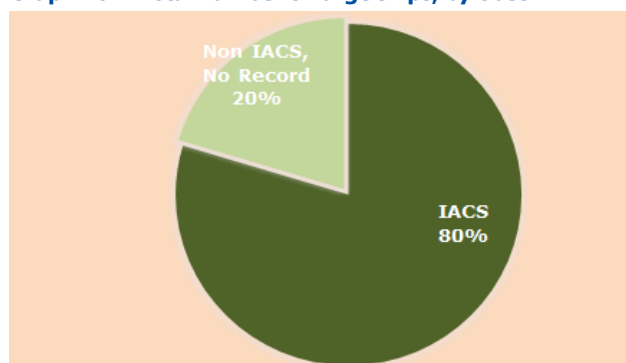
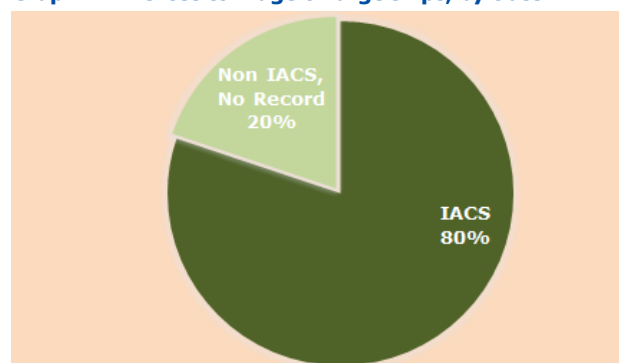
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	108	1.2%	130	5.4%	238	2.0%
Specialized Cargo Ships	57	0.6%	11	0.5%	68	0.6%
Container Ships	800	8.5%	727	30.3%	1,527	13.0%
Ro-Ro Cargo Ships	451	4.8%	130	5.4%	581	4.9%
Bulk Carriers	5,306	56.5%	639	26.6%	5,945	50.5%
Oil and Chemical Tankers	2,075	22.1%	567	23.6%	2,642	22.4%
Gas Tankers	257	2.7%	94	3.9%	351	3.0%
Other Tankers	10	0.1%	1	0.0%	11	0.1%
Passenger Ships	220	2.3%	51	2.1%	271	2.3%
Offshore Vessels	80	0.9%	43	1.8%	123	1.0%
Service Ships	20	0.2%	6	0.3%	26	0.2%
Tugs						
Total	9,384	100%	2,399	100%	11,783	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2017

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	3,428	1.0%	4,362	5.0%	7,790	1.8%
Specialized Cargo Ships	2,147	0.6%	418	0.5%	2,565	0.6%
Container Ships	31,134	8.8%	26,775	30.4%	57,909	13.1%
Ro-Ro Cargo Ships	21,504	6.1%	6,094	6.9%	27,598	6.2%
Bulk Carriers	198,262	55.8%	22,501	25.6%	220,763	49.8%
Oil and Chemical Tankers	75,221	21.2%	19,754	22.4%	94,975	21.4%
Gas Tankers	11,072	3.1%	4,078	4.6%	15,150	3.4%
Other Tankers	291	0.1%	33	0.0%	324	0.1%
Passenger Ships	7,926	2.2%	1,840	2.1%	9,766	2.2%
Offshore Vessels	3,716	1.0%	1,922	2.2%	5,638	1.3%
Service Ships	693	0.2%	226	0.3%	919	0.2%
Tugs						
Total	355,394	100%	88,003	100%	443,397	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2017

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

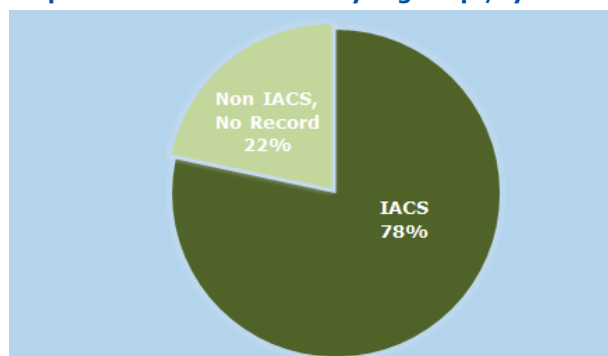
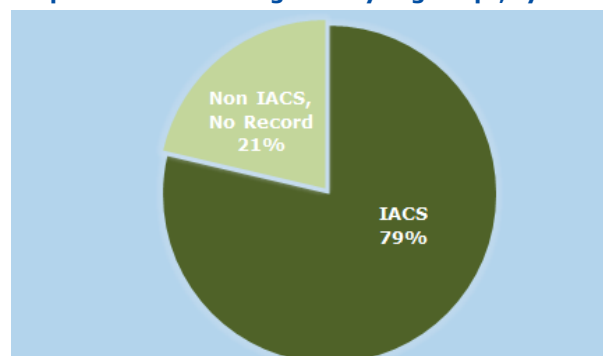
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	5	0.1%			5	0.1%
Container Ships	937	19.8%	463	35.4%	1,400	23.2%
Ro-Ro Cargo Ships	182	3.8%	53	4.1%	235	3.9%
Bulk Carriers	1,560	33.0%	144	11.0%	1,704	28.2%
Oil and Chemical Tankers	1,431	30.2%	411	31.4%	1,842	30.5%
Gas Tankers	383	8.1%	81	6.2%	464	7.7%
Other Tankers						
Passenger Ships	114	2.4%	63	4.8%	177	2.9%
Offshore Vessels	114	2.4%	91	7.0%	205	3.4%
Service Ships	5	0.1%	2	0.2%	7	0.1%
Tugs						
Total	4,731	100%	1,308	100%	6,039	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2017

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	371	0.1%			371	0.1%
Container Ships	98,351	20.0%	50,206	37.6%	148,557	23.8%
Ro-Ro Cargo Ships	12,138	2.5%	3,650	2.7%	15,788	2.5%
Bulk Carriers	154,804	31.5%	15,604	11.7%	170,408	27.3%
Oil and Chemical Tankers	157,712	32.1%	38,498	28.9%	196,210	31.4%
Gas Tankers	42,441	8.6%	8,915	6.7%	51,356	8.2%
Other Tankers						
Passenger Ships	11,091	2.3%	7,327	5.5%	18,418	3.0%
Offshore Vessels	13,086	2.7%	9,043	6.8%	22,129	3.5%
Service Ships	821	0.2%	131	0.1%	952	0.2%
Tugs						
Total	490,815	100%	133,374	100%	624,189	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2017

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 YEAR OLD SHIPS

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

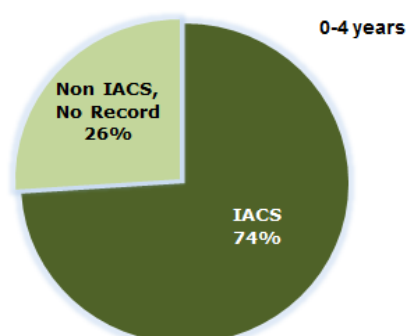
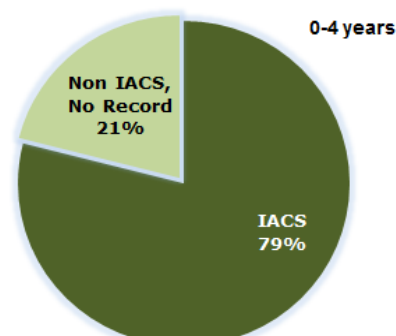
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	367	5.9%	338	15.5%	705	8.4%
Specialized Cargo Ships	35	0.6%	13	0.6%	48	0.6%
Container Ships	485	7.8%	331	15.2%	816	9.8%
Ro-Ro Cargo Ships	119	1.9%	45	2.1%	164	2.0%
Bulk Carriers	2,167	35.0%	307	14.1%	2,474	29.6%
Oil and Chemical Tankers	1,322	21.4%	374	17.2%	1,696	20.3%
Gas Tankers	394	6.4%	93	4.3%	487	5.8%
Other Tankers	124	2.0%	10	0.5%	134	1.6%
Passenger Ships	120	1.9%	202	9.3%	322	3.8%
Offshore Vessels	798	12.9%	244	11.2%	1,042	12.5%
Service Ships	156	2.5%	194	8.9%	350	4.2%
Tugs	101	1.6%	27	1.2%	128	1.5%
Total	6,188	100%	2,178	100%	8,366	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	4,120	1.7%	1,709	2.7%	5,829	1.9%
Specialized Cargo Ships	870	0.4%	210	0.3%	1,080	0.4%
Container Ships	41,843	17.7%	22,031	34.9%	63,874	21.3%
Ro-Ro Cargo Ships	5,654	2.4%	2,378	3.8%	8,032	2.7%
Bulk Carriers	97,762	41.3%	10,172	16.1%	107,934	36.0%
Oil and Chemical Tankers	56,998	24.1%	12,467	19.8%	69,465	23.2%
Gas Tankers	19,423	8.2%	5,599	8.9%	25,022	8.3%
Other Tankers	712	0.3%	46	0.1%	758	0.3%
Passenger Ships	2,666	1.1%	3,145	5.0%	5,811	1.9%
Offshore Vessels	5,495	2.3%	4,435	7.0%	9,930	3.3%
Service Ships	1,075	0.5%	842	1.3%	1,917	0.6%
Tugs	92	0.0%	31	0.0%	123	0.0%
Total	236,710	100%	63,065	100%	299,775	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD MEDIUM SIZED SHIPS

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

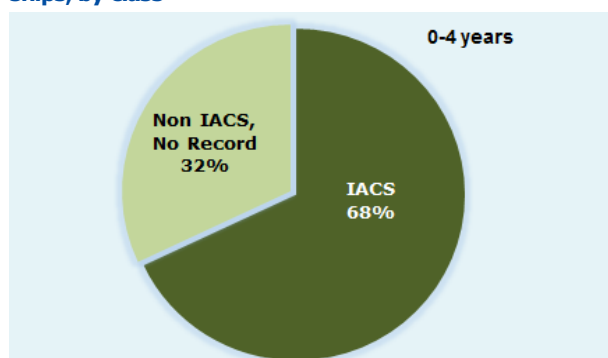
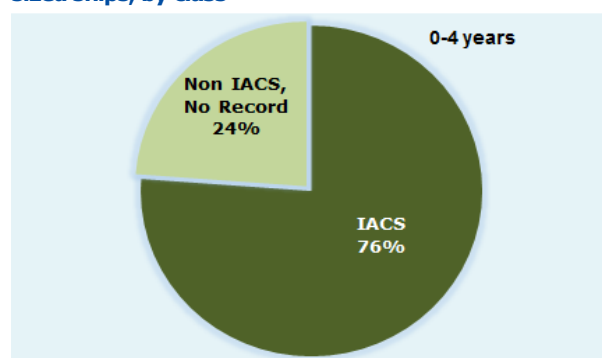
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	321	10.9%	319	23.1%	640	14.8%
Specialized Cargo Ships	23	0.8%	9	0.7%	32	0.7%
Container Ships	145	4.9%	88	6.4%	233	5.4%
Ro-Ro Cargo Ships	41	1.4%	7	0.5%	48	1.1%
Bulk Carriers	471	16.0%	122	8.8%	593	13.7%
Oil and Chemical Tankers	550	18.7%	191	13.8%	741	17.2%
Gas Tankers	154	5.2%	23	1.7%	177	4.1%
Other Tankers	119	4.1%	10	0.7%	129	3.0%
Passenger Ships	94	3.2%	185	13.4%	279	6.5%
Offshore Vessels	765	26.0%	208	15.1%	973	22.5%
Service Ships	153	5.2%	192	13.9%	345	8.0%
Tugs	101	3.4%	27	2.0%	128	3.0%
Total	2,937	100%	1,381	100%	4,318	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	2,674	10.4%	1,139	14.2%	3,813	11.3%
Specialized Cargo Ships	296	1.2%	44	0.5%	340	1.0%
Container Ships	1,863	7.3%	1,011	12.6%	2,874	8.5%
Ro-Ro Cargo Ships	485	1.9%	50	0.6%	535	1.6%
Bulk Carriers	9,648	37.6%	1,455	18.2%	11,103	33.0%
Oil and Chemical Tankers	4,754	18.6%	1,101	13.7%	5,855	17.4%
Gas Tankers	1,331	5.2%	327	4.1%	1,658	4.9%
Other Tankers	578	2.3%	46	0.6%	624	1.9%
Passenger Ships	401	1.6%	768	9.6%	1,169	3.5%
Offshore Vessels	2,894	11.3%	1,266	15.8%	4,160	12.4%
Service Ships	611	2.4%	777	9.7%	1,388	4.1%
Tugs	92	0.4%	31	0.4%	123	0.4%
Total	25,627	100%	8,015	100%	33,642	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD LARGE SHIPS

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

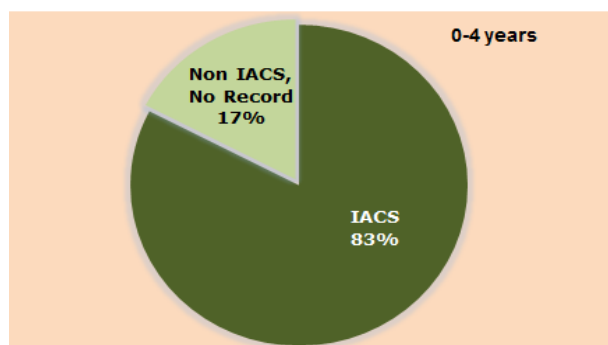
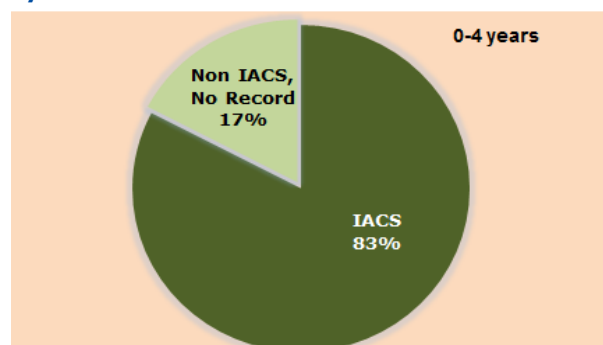
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	46	2.3%	19	4.3%	65	2.6%
Specialized Cargo Ships	9	0.4%	4	0.9%	13	0.5%
Container Ships	71	3.5%	104	23.3%	175	7.0%
Ro-Ro Cargo Ships	24	1.2%	15	3.4%	39	1.6%
Bulk Carriers	1,336	65.6%	159	35.7%	1,495	60.2%
Oil and Chemical Tankers	385	18.9%	95	21.3%	480	19.3%
Gas Tankers	131	6.4%	37	8.3%	168	6.8%
Other Tankers	5	0.2%			5	0.2%
Passenger Ships	14	0.7%	2	0.4%	16	0.6%
Offshore Vessels	15	0.7%	9	2.0%	24	1.0%
Service Ships	2	0.1%	2	0.4%	4	0.2%
Tugs						
Total	2,038	100%	446	100%	2,484	100%

Source: Equasis - IACS membership on 31/12/2017

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	1,446	1.9%	570	3.6%	2,016	2.2%
Specialized Cargo Ships	356	0.5%	166	1.0%	522	0.6%
Container Ships	2,631	3.5%	3,711	23.4%	6,342	6.9%
Ro-Ro Cargo Ships	1,239	1.6%	671	4.2%	1,910	2.1%
Bulk Carriers	50,659	66.9%	5,762	36.3%	56,421	61.6%
Oil and Chemical Tankers	12,451	16.4%	2,841	17.9%	15,292	16.7%
Gas Tankers	5,413	7.1%	1,641	10.3%	7,054	7.7%
Other Tankers	134	0.2%			134	0.1%
Passenger Ships	605	0.8%	59	0.4%	664	0.7%
Offshore Vessels	736	1.0%	401	2.5%	1,137	1.2%
Service Ships	61	0.1%	65	0.4%	126	0.1%
Tugs						
Total	75,731	100%	15,887	100%	91,618	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD VERY LARGE SHIPS

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

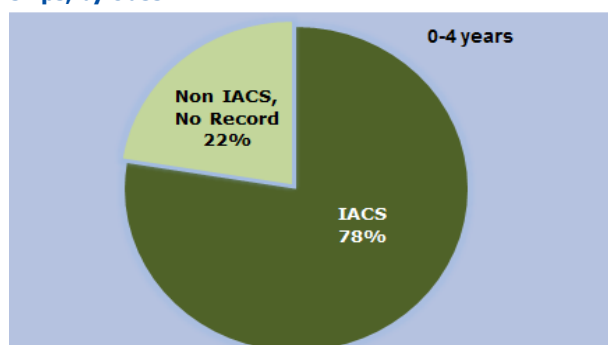
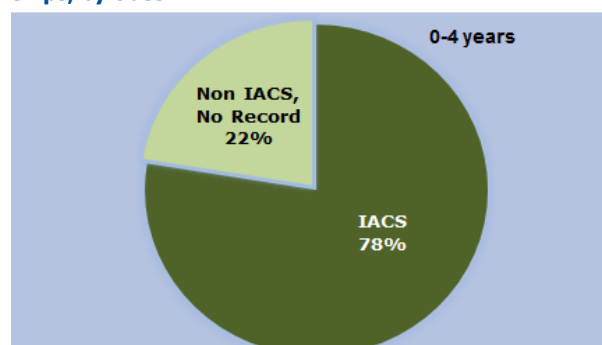
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	3	0.2%			3	0.2%
Container Ships	269	22.2%	139	39.6%	408	26.1%
Ro-Ro Cargo Ships	54	4.5%	23	6.6%	77	4.9%
Bulk Carriers	360	29.7%	26	7.4%	386	24.7%
Oil and Chemical Tankers	387	31.9%	88	25.1%	475	30.4%
Gas Tankers	109	9.0%	33	9.4%	142	9.1%
Other Tankers						
Passenger Ships	12	1.0%	15	4.3%	27	1.7%
Offshore Vessels	18	1.5%	27	7.7%	45	2.9%
Service Ships	1	0.1%			1	0.1%
Tugs						
Total	1,213	100%	351	100%	1,564	100%

Source: Equasis - IACS membership on 31/12/2017

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	218	0.2%			218	0.1%
Container Ships	37,349	27.6%	17,309	44.2%	54,658	31.3%
Ro-Ro Cargo Ships	3,930	2.9%	1,657	4.2%	5,587	3.2%
Bulk Carriers	37,455	27.7%	2,955	7.5%	40,410	23.2%
Oil and Chemical Tankers	39,793	29.4%	8,525	21.8%	48,318	27.7%
Gas Tankers	12,679	9.4%	3,631	9.3%	16,310	9.3%
Other Tankers						
Passenger Ships	1,660	1.2%	2,318	5.9%	3,978	2.3%
Offshore Vessels	1,865	1.4%	2,768	7.1%	4,633	2.7%
Service Ships	403	0.3%			403	0.2%
Tugs						
Total	135,352	100%	39,163	100%	174,515	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD SHIPS

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

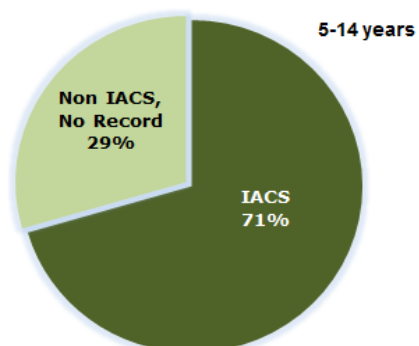
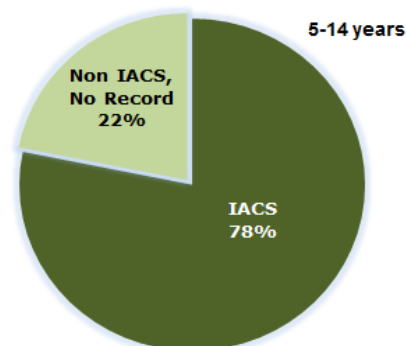
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,910	11.1%	1,835	25.6%	3,745	15.4%
Specialized Cargo Ships	59	0.3%	10	0.1%	69	0.3%
Container Ships	1,598	9.3%	1,191	16.6%	2,789	11.5%
Ro-Ro Cargo Ships	440	2.6%	163	2.3%	603	2.5%
Bulk Carriers	5,435	31.7%	1,060	14.8%	6,495	26.7%
Oil and Chemical Tankers	4,307	25.1%	1,209	16.9%	5,516	22.7%
Gas Tankers	600	3.5%	139	1.9%	739	3.0%
Other Tankers	157	0.9%	48	0.7%	205	0.8%
Passenger Ships	263	1.5%	393	5.5%	656	2.7%
Offshore Vessels	1,818	10.6%	765	10.7%	2,583	10.6%
Service Ships	288	1.7%	281	3.9%	569	2.3%
Tugs	261	1.5%	73	1.0%	334	1.4%
Total	17,136	100%	7,167	100%	24,303	100%

Source: Equasis - IACS membership on 31/12/2017

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	14,287	2.6%	9,768	6.3%	24,055	3.4%
Specialized Cargo Ships	979	0.2%	119	0.1%	1,098	0.2%
Container Ships	79,276	14.4%	50,711	32.9%	129,987	18.4%
Ro-Ro Cargo Ships	20,546	3.7%	6,844	4.4%	27,390	3.9%
Bulk Carriers	240,939	43.6%	30,413	19.7%	271,352	38.4%
Oil and Chemical Tankers	151,376	27.4%	38,362	24.9%	189,738	26.9%
Gas Tankers	27,040	4.9%	6,982	4.5%	34,022	4.8%
Other Tankers	697	0.1%	137	0.1%	834	0.1%
Passenger Ships	8,083	1.5%	4,362	2.8%	12,445	1.8%
Offshore Vessels	6,934	1.3%	5,419	3.5%	12,353	1.7%
Service Ships	1,768	0.3%	985	0.6%	2,753	0.4%
Tugs	304	0.1%	86	0.1%	390	0.1%
Total	552,229	100%	154,188	100%	706,417	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD MEDIUM SIZED SHIPS

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

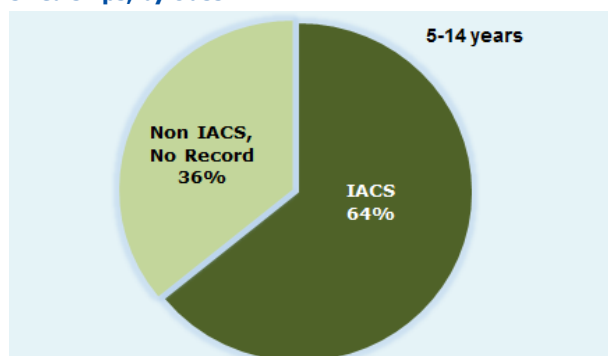
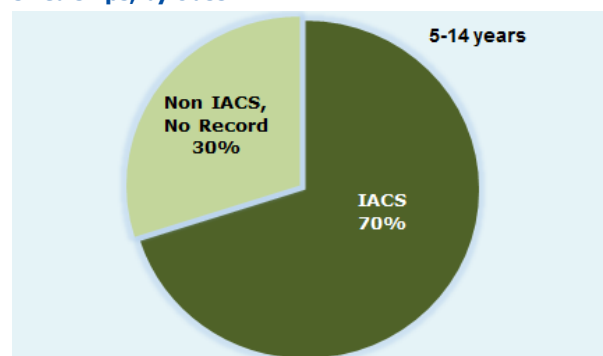
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,882	20.7%	1,779	35.0%	3,661	25.9%
Specialized Cargo Ships	50	0.6%	10	0.2%	60	0.4%
Container Ships	523	5.8%	499	9.8%	1,022	7.2%
Ro-Ro Cargo Ships	63	0.7%	41	0.8%	104	0.7%
Bulk Carriers	1,348	14.9%	593	11.7%	1,941	13.7%
Oil and Chemical Tankers	2,254	24.8%	623	12.3%	2,877	20.3%
Gas Tankers	342	3.8%	53	1.0%	395	2.8%
Other Tankers	154	1.7%	48	0.9%	202	1.4%
Passenger Ships	153	1.7%	359	7.1%	512	3.6%
Offshore Vessels	1,766	19.5%	727	14.3%	2,493	17.6%
Service Ships	278	3.1%	279	5.5%	557	3.9%
Tugs	261	2.9%	73	1.4%	334	2.4%
Total	9,074	100%	5,084	100%	14,158	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	13,305	18.2%	7,730	24.8%	21,035	20.2%
Specialized Cargo Ships	571	0.8%	119	0.4%	690	0.7%
Container Ships	6,433	8.8%	5,910	19.0%	12,343	11.8%
Ro-Ro Cargo Ships	803	1.1%	579	1.9%	1,382	1.3%
Bulk Carriers	24,780	33.9%	6,851	22.0%	31,631	30.4%
Oil and Chemical Tankers	17,356	23.8%	4,263	13.7%	21,619	20.8%
Gas Tankers	2,432	3.3%	565	1.8%	2,997	2.9%
Other Tankers	602	0.8%	137	0.4%	739	0.7%
Passenger Ships	890	1.2%	1,176	3.8%	2,066	2.0%
Offshore Vessels	4,111	5.6%	2,878	9.2%	6,989	6.7%
Service Ships	1,412	1.9%	883	2.8%	2,295	2.2%
Tugs	304	0.4%	86	0.3%	390	0.4%
Total	72,999	100%	31,177	100%	104,176	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD LARGE SHIPS

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

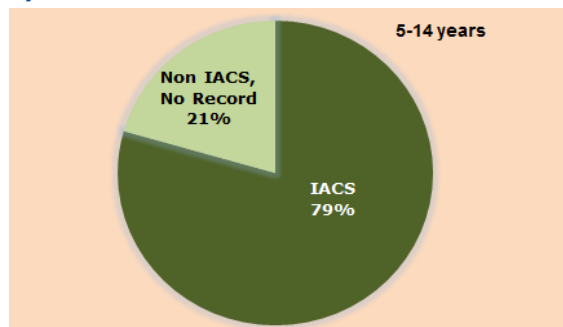
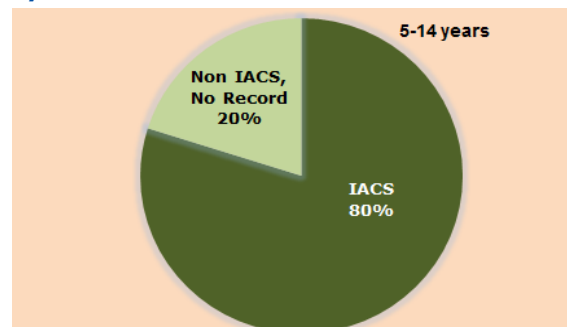
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	28	0.5%	56	4.1%	84	1.3%
Specialized Cargo Ships	7	0.1%			7	0.1%
Container Ships	543	10.2%	430	31.2%	973	14.5%
Ro-Ro Cargo Ships	265	5.0%	98	7.1%	363	5.4%
Bulk Carriers	3,059	57.5%	371	26.9%	3,430	51.2%
Oil and Chemical Tankers	1,250	23.5%	349	25.3%	1,599	23.9%
Gas Tankers	63	1.2%	47	3.4%	110	1.6%
Other Tankers	3	0.1%			3	0.0%
Passenger Ships	62	1.2%	9	0.7%	71	1.1%
Offshore Vessels	29	0.5%	15	1.1%	44	0.7%
Service Ships	10	0.2%	2	0.1%	12	0.2%
Tugs						
Total	5,319	100%	1,377	100%	6,696	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	982	0.5%	2,038	4.0%	3,020	1.2%
Specialized Cargo Ships	255	0.1%			255	0.1%
Container Ships	21,991	10.7%	16,286	31.6%	38,277	14.9%
Ro-Ro Cargo Ships	12,619	6.2%	4,676	9.1%	17,295	6.8%
Bulk Carriers	116,365	56.9%	13,191	25.6%	129,556	50.6%
Oil and Chemical Tankers	45,536	22.3%	12,161	23.6%	57,697	22.5%
Gas Tankers	2,872	1.4%	2,034	4.0%	4,906	1.9%
Other Tankers	95	0.0%			95	0.0%
Passenger Ships	2,221	1.1%	305	0.6%	2,526	1.0%
Offshore Vessels	1,302	0.6%	696	1.4%	1,998	0.8%
Service Ships	356	0.2%	102	0.2%	458	0.2%
Tugs						
Total	204,594	100%	51,489	100%	256,083	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD VERY LARGE SHIPS

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

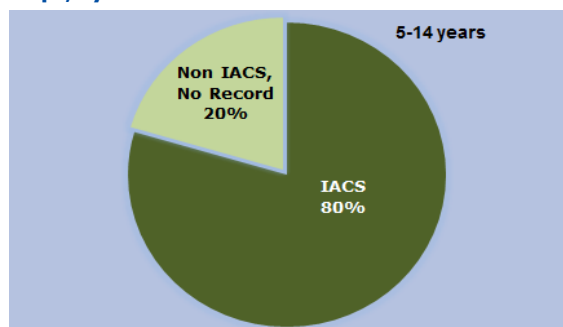
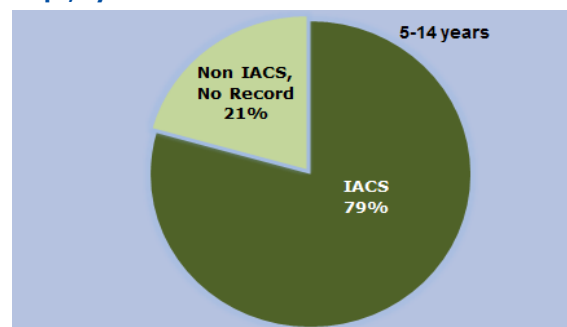
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	2	0.1%			2	0.1%
Container Ships	532	19.4%	262	37.1%	794	23.0%
Ro-Ro Cargo Ships	112	4.1%	24	3.4%	136	3.9%
Bulk Carriers	1,028	37.5%	96	13.6%	1,124	32.6%
Oil and Chemical Tankers	803	29.3%	237	33.6%	1,040	30.2%
Gas Tankers	195	7.1%	39	5.5%	234	6.8%
Other Tankers						
Passenger Ships	48	1.7%	25	3.5%	73	2.1%
Offshore Vessels	23	0.8%	23	3.3%	46	1.3%
Service Ships						
Tugs						
Total	2,743	100%	706	100%	3,449	100%

Source: Equasis - IACS membership on 31/12/2017

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	153	0.1%			153	0.0%
Container Ships	50,852	18.5%	28,515	39.9%	79,367	22.9%
Ro-Ro Cargo Ships	7,124	2.6%	1,589	2.2%	8,713	2.5%
Bulk Carriers	99,794	36.3%	10,371	14.5%	110,165	31.8%
Oil and Chemical Tankers	88,484	32.2%	21,938	30.7%	110,422	31.9%
Gas Tankers	21,736	7.9%	4,383	6.1%	26,119	7.5%
Other Tankers						
Passenger Ships	4,972	1.8%	2,881	4.0%	7,853	2.3%
Offshore Vessels	1,521	0.6%	1,845	2.6%	3,366	1.0%
Service Ships						
Tugs						
Total	274,636	100%	71,522	100%	346,158	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD SHIPS

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

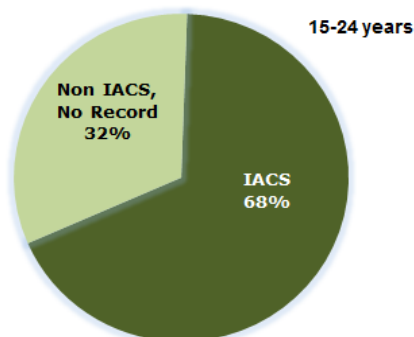
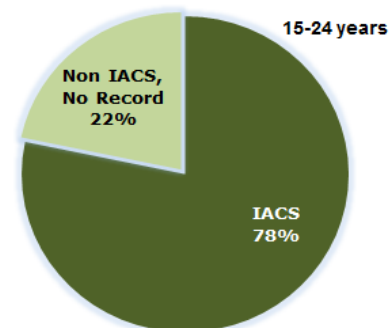
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,253	18.4%	896	27.9%	2,149	21.5%
Specialized Cargo Ships	31	0.5%	1	0.0%	32	0.3%
Container Ships	817	12.0%	525	16.3%	1,342	13.4%
Ro-Ro Cargo Ships	296	4.4%	68	2.1%	364	3.6%
Bulk Carriers	1,508	22.2%	203	6.3%	1,711	17.1%
Oil and Chemical Tankers	1,528	22.5%	569	17.7%	2,097	20.9%
Gas Tankers	328	4.8%	60	1.9%	388	3.9%
Other Tankers	54	0.8%	20	0.6%	74	0.7%
Passenger Ships	372	5.5%	400	12.4%	772	7.7%
Offshore Vessels	345	5.1%	259	8.1%	604	6.0%
Service Ships	189	2.8%	188	5.8%	377	3.8%
Tugs	80	1.2%	28	0.9%	108	1.1%
Total	6,801	100%	3,217	100%	10,018	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	8,095	4.8%	4,245	9.1%	12,340	5.7%
Specialized Cargo Ships	524	0.3%	6	0.0%	530	0.2%
Container Ships	22,094	13.1%	13,304	28.5%	35,398	16.5%
Ro-Ro Cargo Ships	9,610	5.7%	1,412	3.0%	11,022	5.1%
Bulk Carriers	49,971	29.7%	5,066	10.8%	55,037	25.6%
Oil and Chemical Tankers	51,728	30.7%	14,836	31.8%	66,564	31.0%
Gas Tankers	9,324	5.5%	1,293	2.8%	10,617	4.9%
Other Tankers	233	0.1%	67	0.1%	300	0.1%
Passenger Ships	8,840	5.3%	3,512	7.5%	12,352	5.7%
Offshore Vessels	6,300	3.7%	2,469	5.3%	8,769	4.1%
Service Ships	1,550	0.9%	483	1.0%	2,033	0.9%
Tugs	68	0.0%	22	0.0%	90	0.0%
Total	168,337	100%	46,715	100%	215,052	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD MEDIUM SIZED SHIPS

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

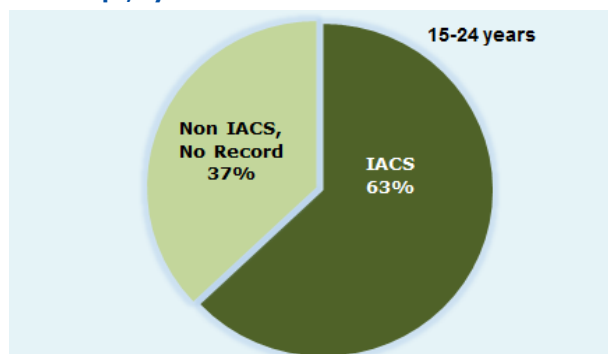
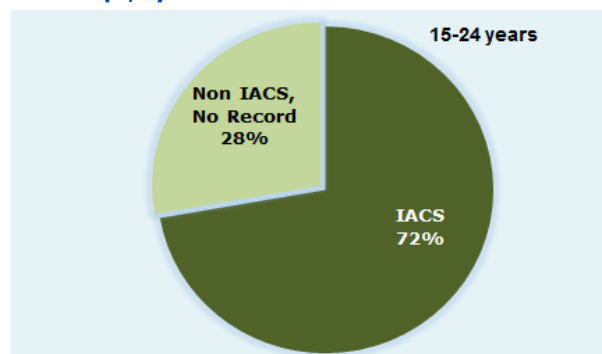
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,231	28.0%	855	33.1%	2,086	29.9%
Specialized Cargo Ships	23	0.5%	1	0.0%	24	0.3%
Container Ships	520	11.8%	296	11.5%	816	11.7%
Ro-Ro Cargo Ships	142	3.2%	49	1.9%	191	2.7%
Bulk Carriers	521	11.9%	113	4.4%	634	9.1%
Oil and Chemical Tankers	880	20.0%	384	14.9%	1,264	18.1%
Gas Tankers	229	5.2%	47	1.8%	276	4.0%
Other Tankers	52	1.2%	19	0.7%	71	1.0%
Passenger Ships	234	5.3%	367	14.2%	601	8.6%
Offshore Vessels	298	6.8%	237	9.2%	535	7.7%
Service Ships	182	4.1%	188	7.3%	370	5.3%
Tugs	80	1.8%	28	1.1%	108	1.5%
Total	4,392	100%	2,584	100%	6,976	100%

Source: Equasis - IACS membership on 31/12/2017

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	7,447	21.4%	2,882	21.6%	10,329	21.5%
Specialized Cargo Ships	196	0.6%	6	0.0%	202	0.4%
Container Ships	6,289	18.1%	3,148	23.6%	9,437	19.6%
Ro-Ro Cargo Ships	1,882	5.4%	428	3.2%	2,310	4.8%
Bulk Carriers	7,554	21.7%	1,177	8.8%	8,731	18.1%
Oil and Chemical Tankers	6,497	18.7%	2,955	22.1%	9,452	19.6%
Gas Tankers	1,287	3.7%	331	2.5%	1,618	3.4%
Other Tankers	171	0.5%	34	0.3%	205	0.4%
Passenger Ships	1,633	4.7%	1,157	8.7%	2,790	5.8%
Offshore Vessels	672	1.9%	728	5.5%	1,400	2.9%
Service Ships	1,060	3.0%	483	3.6%	1,543	3.2%
Tugs	68	0.2%	22	0.2%	90	0.2%
Total	34,756	100%	13,351	100%	48,107	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD LARGE SHIPS

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

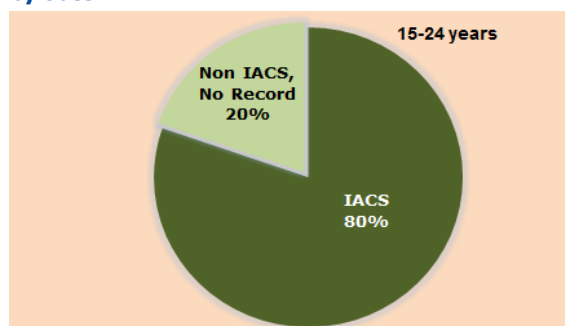
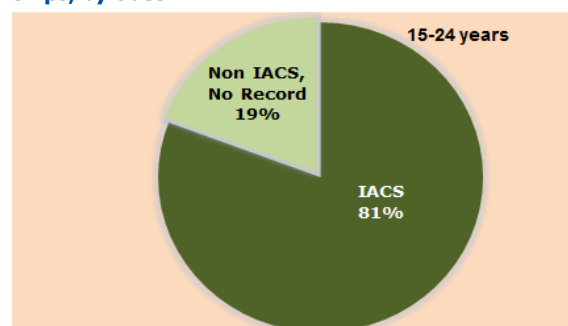
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	22	1.3%	41	9.7%	63	2.9%
Specialized Cargo Ships	8	0.5%			8	0.4%
Container Ships	161	9.3%	167	39.5%	328	15.3%
Ro-Ro Cargo Ships	138	8.0%	13	3.1%	151	7.0%
Bulk Carriers	842	48.8%	74	17.5%	916	42.6%
Oil and Chemical Tankers	410	23.7%	101	23.9%	511	23.8%
Gas Tankers	37	2.1%	6	1.4%	43	2.0%
Other Tankers	2	0.1%	1	0.2%	3	0.1%
Passenger Ships	90	5.2%	13	3.1%	103	4.8%
Offshore Vessels	13	0.8%	7	1.7%	20	0.9%
Service Ships	4	0.2%			4	0.2%
Tugs						
Total	1,727	100%	423	100%	2,150	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	648	1.0%	1,363	9.0%	2,011	2.6%
Specialized Cargo Ships	328	0.5%			328	0.4%
Container Ships	5,655	8.9%	5,774	38.1%	11,429	14.5%
Ro-Ro Cargo Ships	6,644	10.4%	580	3.8%	7,224	9.2%
Bulk Carriers	28,619	45.0%	2,396	15.8%	31,015	39.4%
Oil and Chemical Tankers	16,114	25.3%	3,993	26.3%	20,107	25.5%
Gas Tankers	1,636	2.6%	237	1.6%	1,873	2.4%
Other Tankers	62	0.1%	33	0.2%	95	0.1%
Passenger Ships	3,165	5.0%	448	3.0%	3,613	4.6%
Offshore Vessels	647	1.0%	331	2.2%	978	1.2%
Service Ships	137	0.2%			137	0.2%
Tugs						
Total	63,655	100%	15,155	100%	78,810	100%

Source: Equasis - IACS membership on 31/12/2017

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 YEAR OLD VERY LARGE SHIPS

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

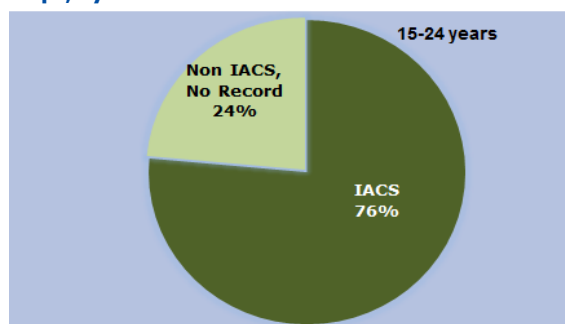
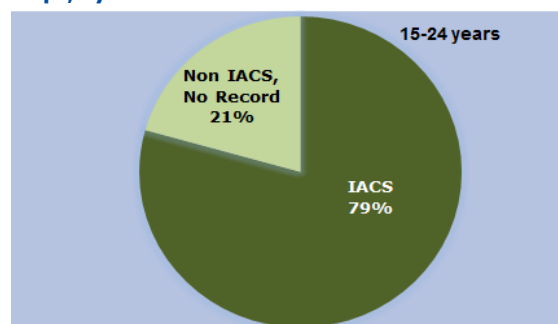
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	136	19.9%	62	29.5%	198	22.2%
Ro-Ro Cargo Ships	16	2.3%	6	2.9%	22	2.5%
Bulk Carriers	145	21.3%	16	7.6%	161	18.0%
Oil and Chemical Tankers	238	34.9%	84	40.0%	322	36.1%
Gas Tankers	62	9.1%	7	3.3%	69	7.7%
Other Tankers						
Passenger Ships	48	7.0%	20	9.5%	68	7.6%
Offshore Vessels	34	5.0%	15	7.1%	49	5.5%
Service Ships	3	0.4%			3	0.3%
Tugs						
Total	682	100%	210	100%	892	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	10,150	14.5%	4,382	24.1%	14,532	16.5%
Ro-Ro Cargo Ships	1,084	1.6%	404	2.2%	1,488	1.7%
Bulk Carriers	13,798	19.7%	1,493	8.2%	15,291	17.3%
Oil and Chemical Tankers	29,117	41.6%	7,888	43.3%	37,005	42.0%
Gas Tankers	6,401	9.2%	725	4.0%	7,126	8.1%
Other Tankers						
Passenger Ships	4,042	5.8%	1,907	10.5%	5,949	6.7%
Offshore Vessels	4,981	7.1%	1,410	7.7%	6,391	7.3%
Service Ships	353	0.5%			353	0.4%
Tugs						
Total	69,926	100%	18,209	100%	88,135	100%

Source: Equasis - IACS membership on 31/12/2017

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+ YEAR OLD SHIPS

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

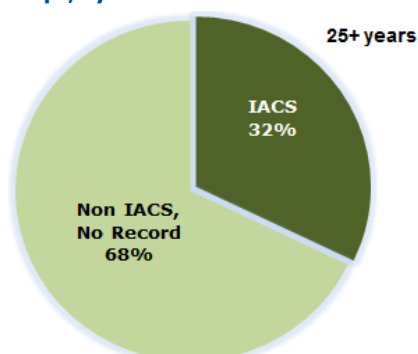
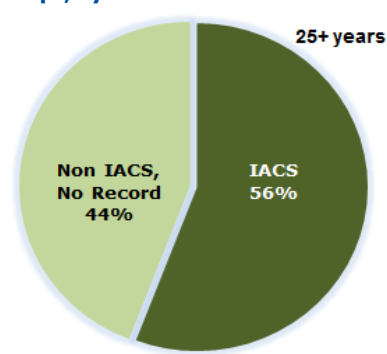
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,410	30.7%	3,920	40.5%	5,330	37.3%
Specialized Cargo Ships	84	1.8%	77	0.8%	161	1.1%
Container Ships	114	2.5%	122	1.3%	236	1.7%
Ro-Ro Cargo Ships	134	2.9%	199	2.1%	333	2.3%
Bulk Carriers	393	8.6%	362	3.7%	755	5.3%
Oil and Chemical Tankers	584	12.7%	1,634	16.9%	2,218	15.5%
Gas Tankers	137	3.0%	192	2.0%	329	2.3%
Other Tankers	81	1.8%	180	1.9%	261	1.8%
Passenger Ships	454	9.9%	978	10.1%	1,432	10.0%
Offshore Vessels	550	12.0%	873	9.0%	1,423	10.0%
Service Ships	455	9.9%	883	9.1%	1,338	9.4%
Tugs	193	4.2%	267	2.8%	460	3.2%
Total	4,589	100%	9,687	100%	14,276	100%

Source: Equasis - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	5,733	13.9%	9,016	27.5%	14,749	19.9%
Specialized Cargo Ships	1,565	3.8%	559	1.7%	2,124	2.9%
Container Ships	1,856	4.5%	1,754	5.4%	3,610	4.9%
Ro-Ro Cargo Ships	2,147	5.2%	1,214	3.7%	3,361	4.5%
Bulk Carriers	9,164	22.2%	4,281	13.1%	13,445	18.1%
Oil and Chemical Tankers	3,693	8.9%	4,666	14.2%	8,359	11.3%
Gas Tankers	3,241	7.8%	672	2.1%	3,913	5.3%
Other Tankers	132	0.3%	206	0.6%	338	0.5%
Passenger Ships	5,146	12.4%	3,679	11.2%	8,825	11.9%
Offshore Vessels	6,739	16.3%	4,555	13.9%	11,294	15.2%
Service Ships	1,762	4.3%	1,929	5.9%	3,691	5.0%
Tugs	178	0.4%	228	0.7%	406	0.5%
Total	41,356	100%	32,759	100%	74,115	100%

Source: Equasis - IACS membership on 31/12/2017

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+ YEAR OLD MEDIUM SIZED SHIPS

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

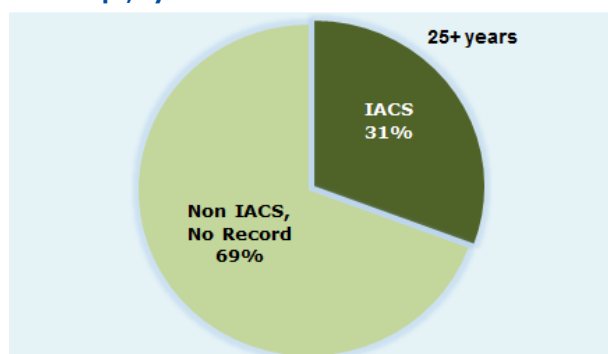
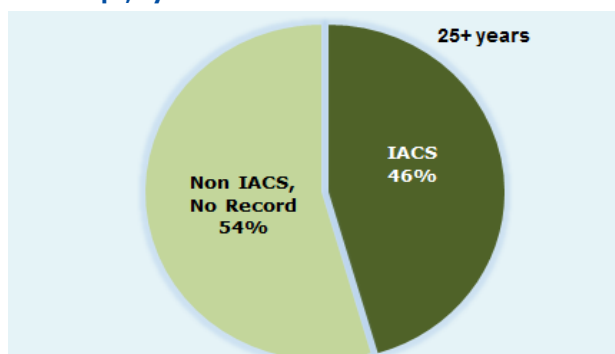
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,398	33.3%	3,906	41.1%	5,304	38.7%
Specialized Cargo Ships	51	1.2%	70	0.7%	121	0.9%
Container Ships	89	2.1%	96	1.0%	185	1.4%
Ro-Ro Cargo Ships	110	2.6%	195	2.1%	305	2.2%
Bulk Carriers	297	7.1%	321	3.4%	618	4.5%
Oil and Chemical Tankers	551	13.1%	1,610	17.0%	2,161	15.8%
Gas Tankers	94	2.2%	186	2.0%	280	2.0%
Other Tankers	81	1.9%	180	1.9%	261	1.9%
Passenger Ships	394	9.4%	948	10.0%	1,342	9.8%
Offshore Vessels	488	11.6%	835	8.8%	1,323	9.7%
Service Ships	450	10.7%	879	9.3%	1,329	9.7%
Tugs	193	4.6%	267	2.8%	460	3.4%
Total	4,196	100%	9,493	100%	13,689	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	5,381	28.3%	8,625	37.8%	14,006	33.5%
Specialized Cargo Ships	357	1.9%	308	1.4%	665	1.6%
Container Ships	1,000	5.3%	749	3.3%	1,749	4.2%
Ro-Ro Cargo Ships	1,144	6.0%	1,047	4.6%	2,191	5.2%
Bulk Carriers	2,788	14.6%	2,344	10.3%	5,132	12.3%
Oil and Chemical Tankers	2,254	11.8%	3,760	16.5%	6,014	14.4%
Gas Tankers	465	2.4%	330	1.4%	795	1.9%
Other Tankers	132	0.7%	206	0.9%	338	0.8%
Passenger Ships	2,795	14.7%	2,430	10.7%	5,225	12.5%
Offshore Vessels	990	5.2%	1,039	4.6%	2,029	4.8%
Service Ships	1,558	8.2%	1,739	7.6%	3,297	7.9%
Tugs	178	0.9%	228	1.0%	406	1.0%
Total	19,042	100%	22,805	100%	41,847	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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+ YEAR OLD LARGE SHIPS

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

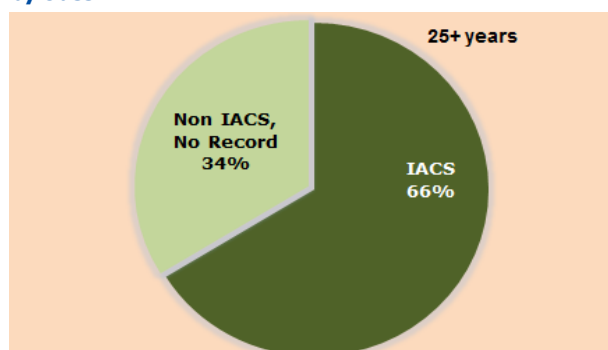
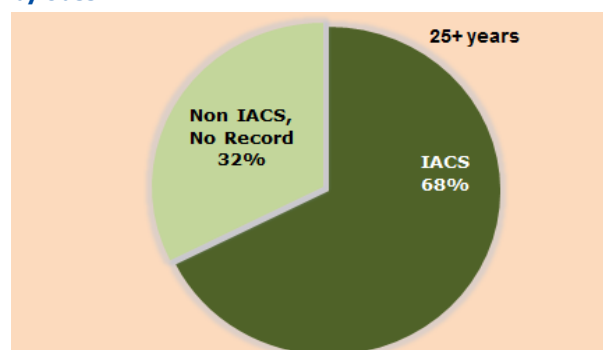
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	12	4.0%	14	9.2%	26	5.7%
Specialized Cargo Ships	33	11.0%	7	4.6%	40	8.8%
Container Ships	25	8.3%	26	17.0%	51	11.3%
Ro-Ro Cargo Ships	24	8.0%	4	2.6%	28	6.2%
Bulk Carriers	69	23.0%	35	22.9%	104	23.0%
Oil and Chemical Tankers	30	10.0%	22	14.4%	52	11.5%
Gas Tankers	26	8.7%	4	2.6%	30	6.6%
Other Tankers						
Passenger Ships	54	18.0%	27	17.6%	81	17.9%
Offshore Vessels	23	7.7%	12	7.8%	35	7.7%
Service Ships	4	1.3%	2	1.3%	6	1.3%
Tugs						
Total	300	100%	153	100%	453	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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	
	Count	%	Count	%	Count	%
General Cargo Ships	352	3.1%	391	7.1%	743	4.4%
Specialized Cargo Ships	1,208	10.6%	251	4.6%	1,459	8.6%
Container Ships	856	7.5%	1,005	18.4%	1,861	11.0%
Ro-Ro Cargo Ships	1,003	8.8%	167	3.1%	1,170	6.9%
Bulk Carriers	2,619	22.9%	1,152	21.1%	3,771	22.3%
Oil and Chemical Tankers	1,121	9.8%	759	13.9%	1,880	11.1%
Gas Tankers	1,151	10.1%	166	3.0%	1,317	7.8%
Other Tankers						
Passenger Ships	1,935	17.0%	1,027	18.8%	2,962	17.5%
Offshore Vessels	1,030	9.0%	495	9.0%	1,525	9.0%
Service Ships	140	1.2%	59	1.1%	199	1.2%
Tugs						
Total	11,415	100%	5,472	100%	16,887	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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+ YEAR OLD VERY LARGE SHIPS

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

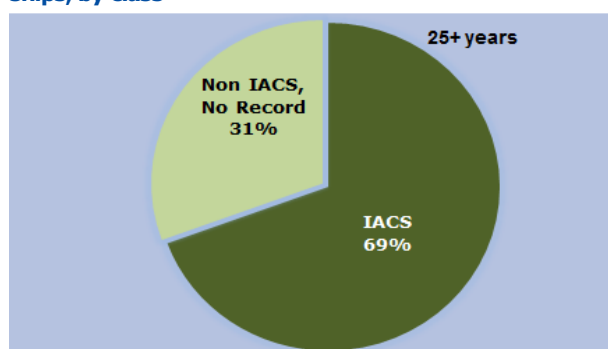
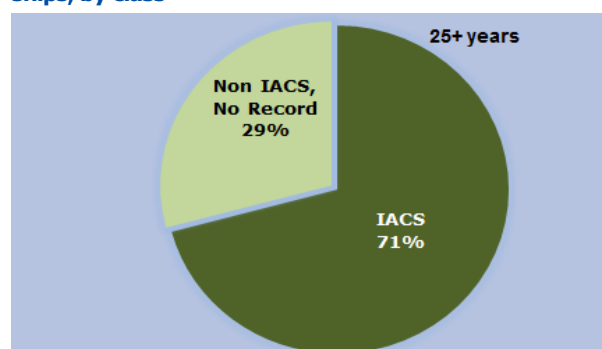
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships						
Bulk Carriers	27	29.0%	6	14.6%	33	24.6%
Oil and Chemical Tankers	3	3.2%	2	4.9%	5	3.7%
Gas Tankers	17	18.3%	2	4.9%	19	14.2%
Other Tankers						
Passenger Ships	6	6.5%	3	7.3%	9	6.7%
Offshore Vessels	39	41.9%	26	63.4%	65	48.5%
Service Ships	1	1.1%	2	4.9%	3	2.2%
Tugs						
Total	93	100%	41	100%	134	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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	3,757	34.5%	785	17.5%	4,542	29.5%
Oil and Chemical Tankers	318	2.9%	147	3.3%	465	3.0%
Gas Tankers	1,625	14.9%	176	3.9%	1,801	11.7%
Other Tankers						
Passenger Ships	416	3.8%	222	5.0%	638	4.1%
Offshore Vessels	4,719	43.3%	3,021	67.4%	7,740	50.3%
Service Ships	64	0.6%	131	2.9%	195	1.3%
Tugs						
Total	10,899	100%	4,482	100%	15,381	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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	2,260	18.9%	3,730	42.6%	5,990	2,680	11.8%	3,259	24.2%	5,939
Specialized Cargo Ships	65	0.5%	66	0.8%	131	144	0.6%	35	0.3%	179
Container Ships	839	7.0%	780	8.9%	1,619	2,175	9.6%	1,389	10.3%	3,564
Ro-Ro Cargo Ships	339	2.8%	191	2.2%	530	650	2.9%	284	2.1%	934
Bulk Carriers	3,904	32.6%	548	6.3%	4,452	5,599	24.6%	1,384	10.3%	6,983
Oil and Chemical Tankers	2,432	20.3%	1,493	17.0%	3,925	5,309	23.3%	2,293	17.0%	7,602
Gas Tankers	433	3.6%	179	2.0%	612	1,026	4.5%	305	2.3%	1,331
Other Tankers	108	0.9%	102	1.2%	210	308	1.4%	156	1.2%	464
Passenger Ships	329	2.8%	720	8.2%	1,049	880	3.9%	1,253	9.3%	2,133
Offshore Vessels	968	8.1%	458	5.2%	1,426	2,543	11.2%	1,683	12.5%	4,226
Service Ships	181	1.5%	419	4.8%	600	907	4.0%	1,127	8.4%	2,034
Tugs	103	0.9%	79	0.9%	182	532	2.3%	316	2.3%	848
Total	11,961	100%	8,765	100%	20,726	22,753	100%	13,484	100%	36,237

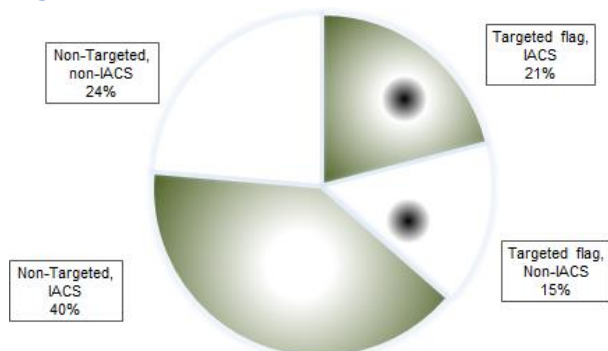
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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

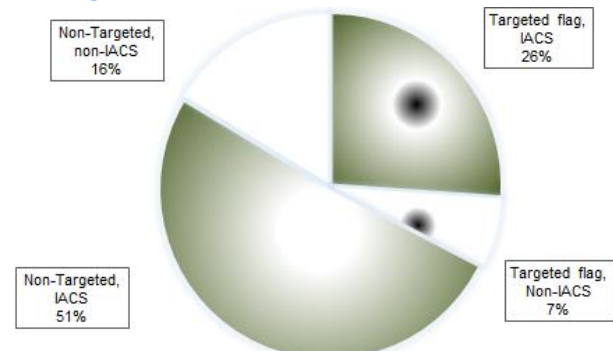
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	13,807	4.1%	10,696	12.7%	24,503	18,428	2.8%	14,042	6.6%	32,470
Specialized Cargo Ships	1,111	0.3%	315	0.4%	1,426	2,826	0.4%	580	0.3%	3,406
Container Ships	31,854	9.4%	28,852	34.3%	60,706	113,216	17.1%	58,946	27.7%	172,162
Ro-Ro Cargo Ships	14,072	4.2%	3,027	3.6%	17,099	23,884	3.6%	8,822	4.1%	32,706
Bulk Carriers	157,833	46.7%	10,003	11.9%	167,836	240,003	36.3%	39,929	18.8%	279,932
Oil and Chemical Tankers	87,696	25.9%	21,803	26.0%	109,499	176,097	26.7%	48,529	22.8%	224,626
Gas Tankers	15,388	4.6%	2,611	3.1%	17,999	43,640	6.6%	11,935	5.6%	55,575
Other Tankers	386	0.1%	162	0.2%	548	1,388	0.2%	294	0.1%	1,682
Passenger Ships	7,088	2.1%	3,294	3.9%	10,382	17,648	2.7%	11,404	5.4%	29,052
Offshore Vessels	7,422	2.2%	2,107	2.5%	9,529	18,049	2.7%	14,771	6.9%	32,820
Service Ships	1,300	0.4%	1,068	1.3%	2,368	4,854	0.7%	3,172	1.5%	8,026
Tugs	88	0.0%	72	0.1%	160	554	0.1%	296	0.1%	850
Total	338,045	100%	84,010	100%	422,055	660,587	100%	212,720	100%	873,307

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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

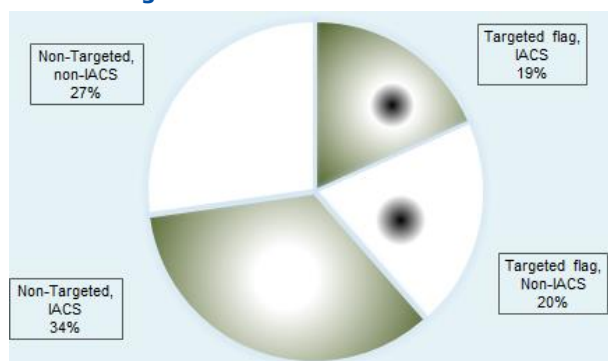
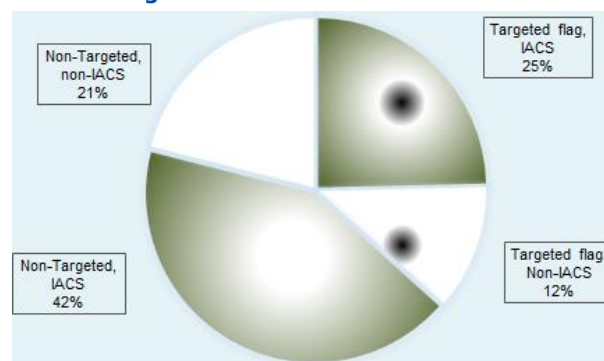
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships	2,227	31.0%	3,719	47.1%	5,946	2,605	19.4%	3,140	29.5%	5,745
Specialized Cargo Ships	44	0.6%	64	0.8%	108	103	0.8%	26	0.2%	129
Container Ships	469	6.5%	427	5.4%	896	808	6.0%	552	5.2%	1,360
Ro-Ro Cargo Ships	96	1.3%	143	1.8%	239	260	1.9%	149	1.4%	409
Bulk Carriers	1,175	16.4%	419	5.3%	1,594	1,462	10.9%	730	6.9%	2,192
Oil and Chemical Tankers	1,375	19.2%	1,228	15.6%	2,603	2,860	21.3%	1,580	14.8%	4,440
Gas Tankers	247	3.4%	153	1.9%	400	572	4.3%	156	1.5%	728
Other Tankers	106	1.5%	102	1.3%	208	300	2.2%	155	1.5%	455
Passenger Ships	254	3.5%	696	8.8%	950	621	4.6%	1,163	10.9%	1,784
Offshore Vessels	904	12.6%	444	5.6%	1,348	2,413	18.0%	1,563	14.7%	3,976
Service Ships	175	2.4%	415	5.3%	590	888	6.6%	1,123	10.5%	2,011
Tugs	103	1.4%	79	1.0%	182	532	4.0%	316	3.0%	848
Total	7,175	100%	7,889	100%	15,064	13,424	100%	10,653	100%	24,077

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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	12,705	22.7%	10,393	38.0%	23,098	16,102	16.7%	9,983	20.8%	26,085
Specialized Cargo Ships	293	0.5%	244	0.9%	537	1,126	1.2%	233	0.5%	1,359
Container Ships	5,374	9.6%	4,160	15.2%	9,534	10,211	10.6%	6,657	13.9%	16,868
Ro-Ro Cargo Ships	1,167	2.1%	813	3.0%	1,980	3,146	3.3%	1,292	2.7%	4,438
Bulk Carriers	19,518	34.8%	3,524	12.9%	23,042	25,252	26.2%	8,303	17.3%	33,555
Oil and Chemical Tankers	10,061	17.9%	3,931	14.4%	13,992	20,799	21.6%	8,149	17.0%	28,948
Gas Tankers	1,842	3.3%	484	1.8%	2,326	3,673	3.8%	1,069	2.2%	4,742
Other Tankers	330	0.6%	162	0.6%	492	1,153	1.2%	261	0.5%	1,414
Passenger Ships	1,768	3.2%	1,593	5.8%	3,361	3,951	4.1%	3,938	8.2%	7,889
Offshore Vessels	2,197	3.9%	1,048	3.8%	3,245	6,472	6.7%	4,863	10.1%	11,335
Service Ships	720	1.3%	907	3.3%	1,627	3,921	4.1%	2,976	6.2%	6,897
Tugs	88	0.2%	72	0.3%	160	554	0.6%	296	0.6%	850
Total	56,063	100%	27,331	100%	83,394	96,360	100%	48,020	100%	144,380

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2017

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

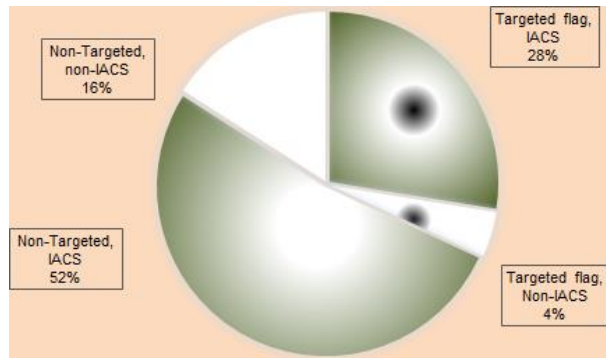
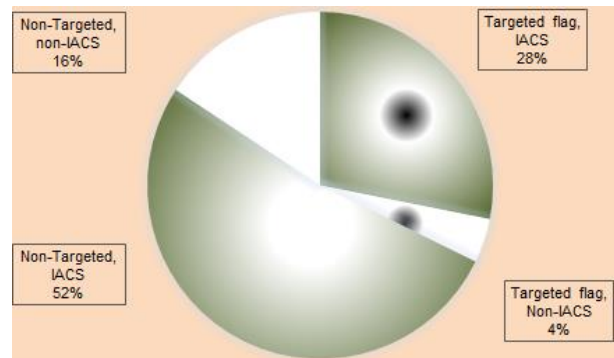
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships	33	1.0%	11	2.2%	44	75	1.2%	119	6.3%	194
Specialized Cargo Ships	21	0.6%	2	0.4%	23	36	0.6%	9	0.5%	45
Container Ships	167	5.1%	202	39.7%	369	633	10.3%	525	27.8%	1,158
Ro-Ro Cargo Ships	183	5.6%	34	6.7%	217	268	4.4%	96	5.1%	364
Bulk Carriers	2,095	64.6%	99	19.4%	2,194	3,211	52.3%	540	28.6%	3,751
Oil and Chemical Tankers	576	17.8%	128	25.1%	704	1,499	24.4%	439	23.2%	1,938
Gas Tankers	101	3.1%	10	2.0%	111	156	2.5%	84	4.4%	240
Other Tankers	2	0.1%			2	8	0.1%	1	0.1%	9
Passenger Ships	33	1.0%	12	2.4%	45	187	3.0%	39	2.1%	226
Offshore Vessels	28	0.9%	7	1.4%	35	52	0.8%	36	1.9%	88
Service Ships	5	0.2%	4	0.8%	9	15	0.2%	2	0.1%	17
Tugs										
Total	3,244	100%	509	100%	3,753	6,140	100%	1,890	100%	8,030

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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	1,102	0.9%	303	1.7%	1,405	2,326	1.0%	4,059	5.8%	6,385
Specialized Cargo Ships	818	0.7%	71	0.4%	889	1,329	0.6%	347	0.5%	1,676
Container Ships	6,425	5.2%	7,187	39.5%	13,612	24,709	10.7%	19,588	28.1%	44,297
Ro-Ro Cargo Ships	9,018	7.2%	1,216	6.7%	10,234	12,487	5.4%	4,878	7.0%	17,365
Bulk Carriers	78,198	62.7%	3,640	20.0%	81,838	120,064	52.0%	18,861	27.0%	138,925
Oil and Chemical Tankers	22,136	17.8%	4,411	24.2%	26,547	53,085	23.0%	15,343	22.0%	68,428
Gas Tankers	4,414	3.5%	466	2.6%	4,880	6,658	2.9%	3,612	5.2%	10,270
Other Tankers	56	0.0%			56	235	0.1%	33	0.0%	268
Passenger Ships	1,014	0.8%	462	2.5%	1,476	6,912	3.0%	1,378	2.0%	8,290
Offshore Vessels	1,265	1.0%	275	1.5%	1,540	2,450	1.1%	1,648	2.4%	4,098
Service Ships	177	0.1%	161	0.9%	338	516	0.2%	65	0.1%	581
Tugs										
Total	124,623	100%	18,192	100%	142,815	230,771	100%	69,812	100%	300,583

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2017

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

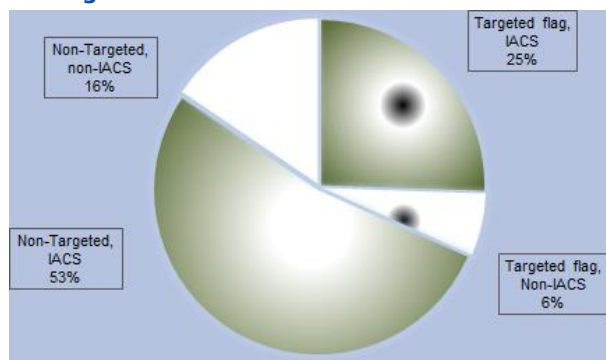
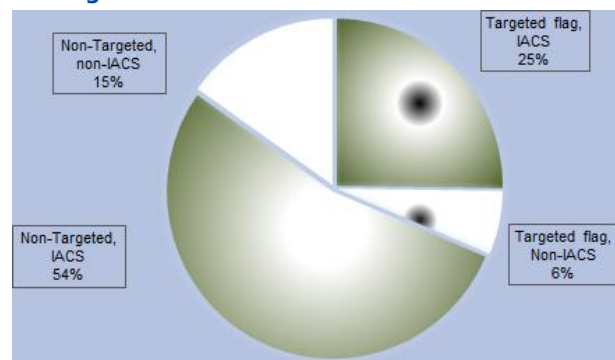
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships										
Specialized Cargo Ships				5	0.2%	5				
Container Ships	203	13.2%	151	41.1%	354	734	23.0%	312	33.2%	1,046
Ro-Ro Cargo Ships	60	3.9%	14	3.8%	74	122	3.8%	39	4.1%	161
Bulk Carriers	634	41.1%	30	8.2%	664	926	29.0%	114	12.1%	1,040
Oil and Chemical Tankers	481	31.2%	137	37.3%	618	950	29.8%	274	29.1%	1,224
Gas Tankers	85	5.5%	16	4.4%	101	298	9.3%	65	6.9%	363
Other Tankers										
Passenger Ships	42	2.7%	12	3.3%	54	72	2.3%	51	5.4%	123
Offshore Vessels	36	2.3%	7	1.9%	43	78	2.4%	84	8.9%	162
Service Ships	1	0.1%			1	4	0.1%	2	0.2%	6
Tugs										
Total	1,542	100%	367	100%	1,909	3,189	100%	941	100%	4,130

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2017

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				371	0.1%	371				
Container Ships	20,055	12.7%	17,505	45.5%	37,560	78,296	23.5%	32,701	34.5%	110,997
Ro-Ro Cargo Ships	3,887	2.5%	998	2.6%	4,885	8,251	2.5%	2,652	2.8%	10,903
Bulk Carriers	60,117	38.2%	2,839	7.4%	62,956	94,687	28.4%	12,765	13.5%	107,452
Oil and Chemical Tankers	55,499	35.3%	13,461	35.0%	68,960	102,213	30.7%	25,037	26.4%	127,250
Gas Tankers	9,132	5.8%	1,661	4.3%	10,793	33,309	10.0%	7,254	7.6%	40,563
Other Tankers										
Passenger Ships	4,306	2.7%	1,239	3.2%	5,545	6,785	2.0%	6,088	6.4%	12,873
Offshore Vessels	3,960	2.5%	784	2.0%	4,744	9,127	2.7%	8,260	8.7%	17,387
Service Ships	403	0.3%			403	417	0.1%	131	0.1%	548
Tugs										
Total	157,359	100%	38,487	100%	195,846	333,456	100%	94,888	100%	428,344

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2017

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 - 2017

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	4.18%	8.30%	5.77%
Specialized Cargo Ships	5.29%	7.49%	6.07%
Container Ships	1.59%	1.43%	1.53%
Ro-Ro Cargo Ships	0.64%	3.23%	1.31%
Bulk Carriers	2.19%	2.83%	2.26%
Oil and Chemical Tankers	1.34%	1.69%	1.41%
Gas Tankers	1.27%	1.65%	1.36%
Other Tankers	3.41%	10.64%	4.15%
Passenger Ships	1.40%	1.73%	1.49%
Offshore Vessels	6.65%	3.40%	5.09%
Service Ships	1.37%	4.14%	2.38%
Tugs	5.97%	0.00%	4.65%
Total	2.30%	4.35%	2.80%

Source: Equasis - IACS membership on 31/12/2017 - ^(*) 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 - 2017

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	4.23%	8.78%	5.96%
Specialized Cargo Ships	6.30%	7.51%	6.77%
Container Ships	2.25%	2.14%	2.21%
Ro-Ro Cargo Ships	2.32%	8.81%	5.35%
Bulk Carriers	2.79%	4.63%	3.07%
Oil and Chemical Tankers	1.95%	3.63%	2.22%
Gas Tankers	1.67%	2.53%	1.83%
Other Tankers	3.56%	10.87%	4.33%
Passenger Ships	1.86%	3.26%	2.24%
Offshore Vessels	7.25%	3.56%	5.45%
Service Ships	1.42%	4.14%	2.44%
Tugs	5.97%	0.00%	4.65%
Total	3.18%	6.55%	4.15%

Source: Equasis - IACS membership on 31/12/2017 - ^(*) 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 - 2017

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	2.40%	0.77%	1.47%
Specialized Cargo Ships	1.49%	7.14%	2.47%
Container Ships	1.52%	1.35%	1.43%
Ro-Ro Cargo Ships	0.58%	0.65%	0.59%
Bulk Carriers	1.86%	1.24%	1.81%
Oil and Chemical Tankers	0.89%	0.55%	0.81%
Gas Tankers	1.13%	1.33%	1.19%
Other Tankers	0.00%	0.00%	0.00%
Passenger Ships	1.37%	1.08%	1.32%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.57%	1.05%	1.48%

Source: Equasis - IACS membership on 31/12/2017 - (*) 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 - 2017

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.96%	0.69%	0.87%
Ro-Ro Cargo Ships	0.00%	0.56%	0.13%
Bulk Carriers	2.25%	0.44%	2.12%
Oil and Chemical Tankers	0.69%	0.70%	0.69%
Gas Tankers	0.31%	0.00%	0.25%
Other Tankers			
Passenger Ships	0.84%	0.54%	0.73%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.23%	0.62%	1.09%

Source: Equasis - IACS membership on 31/12/2017 - (*) 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 Ltd*²
- *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. As before, it should be noted that data from the Black Sea MoU will start being included in this report in 2018 as a data sharing agreement with Equasis has only just been concluded. It is hoped that Riyadh MoU and Abuja MoU data can also be included in 2018.

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"

RESULTS

Graph 70 indicates that for vessels over 500GT in Equasis, for which data has been supplied, 63% are covered by one of the members of the IGP&I. This rises to 92% by tonnage.

Graphs 74 to 77 show that 94% of the large and 98% 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 (48%) are covered by number, which equates to 71% 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. Graph 78 shows that 18% of the IGP&I fleet is under 5 years old and only 9% is over 25 years old. Of the younger fleet, 0-4 years of age, the majority of ships insured by IGP&I are bulk carriers (35.2%). This trend is more marked in the large ship size category of the younger fleet (60.7%).

For non-IGP&I members the trend is reversed, with only 9% of the fleet under 5 years old being insured by non-IGP&I members in comparison to 53% of the fleet over 25 years old. Table 91 shows that 40.9% of the older fleet insured by non-IGP&I members are general cargo ships.

Table 107 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2017 compared to the one of those that are members (8.36% compared with 1.73%, 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	3,985	11.1%	7,944	37.6%	11,929	20.9%
Specialized Cargo Ships	171	0.5%	139	0.7%	310	0.5%
Container Ships	4,578	12.8%	605	2.9%	5,183	9.1%
Ro-Ro Cargo Ships	1,061	3.0%	403	1.9%	1,464	2.6%
Bulk Carriers	9,642	26.9%	1,793	8.5%	11,435	20.1%
Oil and Chemical Tankers	8,362	23.3%	3,165	15.0%	11,527	20.2%
Gas Tankers	1,551	4.3%	392	1.9%	1,943	3.4%
Other Tankers	360	1.0%	314	1.5%	674	1.2%
Passenger Ships	1,239	3.5%	1,943	9.2%	3,182	5.6%
Offshore Vessels	3,622	10.1%	2,030	9.6%	5,652	9.9%
Service Ships	778	2.2%	1,856	8.8%	2,634	4.6%
Tugs	473	1.3%	557	2.6%	1,030	1.8%
Total	35,822	100%	21,141	100%	56,963	100%

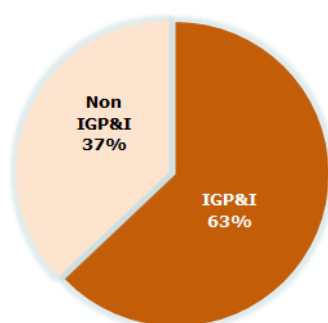
Source: Equasis

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

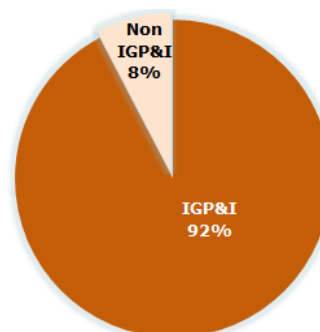
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	34,219	2.9%	22,754	22.8%	56,973	4.4%
Specialized Cargo Ships	3,931	0.3%	901	0.9%	4,832	0.4%
Container Ships	225,005	18.8%	7,864	7.9%	232,869	18.0%
Ro-Ro Cargo Ships	46,059	3.9%	3,745	3.8%	49,804	3.8%
Bulk Carriers	420,711	35.2%	27,058	27.1%	447,769	34.6%
Oil and Chemical Tankers	320,407	26.8%	13,720	13.8%	334,127	25.8%
Gas Tankers	72,448	6.1%	1,126	1.1%	73,574	5.7%
Other Tankers	1,813	0.2%	418	0.4%	2,231	0.2%
Passenger Ships	32,692	2.7%	6,741	6.8%	39,433	3.0%
Offshore Vessels	32,164	2.7%	10,182	10.2%	42,346	3.3%
Service Ships	5,625	0.5%	4,769	4.8%	10,394	0.8%
Tugs	513	0.0%	496	0.5%	1,009	0.1%
Total	1,195,587	100%	99,774	100%	1,295,361	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



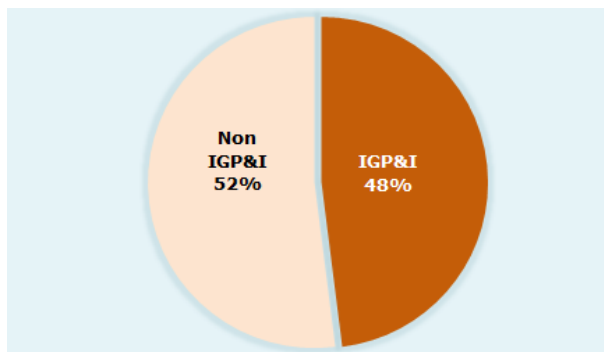
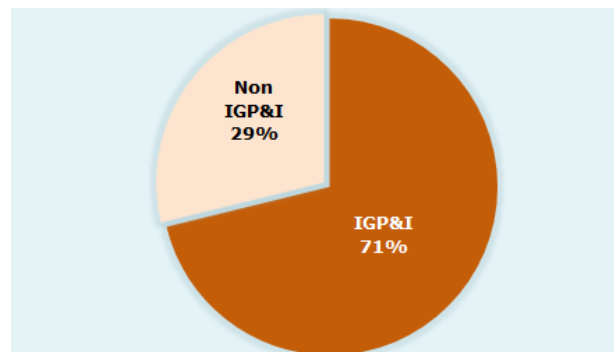
MEDIUM SIZED SHIPS

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	3,755	20.0%	7,936	39.0%	11,691	29.9%
Specialized Cargo Ships	102	0.5%	135	0.7%	237	0.6%
Container Ships	1,743	9.3%	513	2.5%	2,256	5.8%
Ro-Ro Cargo Ships	269	1.4%	379	1.9%	648	1.7%
Bulk Carriers	2,446	13.0%	1,340	6.6%	3,786	9.7%
Oil and Chemical Tankers	3,972	21.1%	3,071	15.1%	7,043	18.0%
Gas Tankers	742	3.9%	386	1.9%	1,128	2.9%
Other Tankers	349	1.9%	314	1.5%	663	1.7%
Passenger Ships	802	4.3%	1,932	9.5%	2,734	7.0%
Offshore Vessels	3,389	18.0%	1,935	9.5%	5,324	13.6%
Service Ships	749	4.0%	1,852	9.1%	2,601	6.6%
Tugs	473	2.5%	557	2.7%	1,030	2.6%
Total	18,791	100%	20,350	100%	39,141	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	26,661	16.4%	22,522	34.3%	49,183	21.6%
Specialized Cargo Ships	1,196	0.7%	700	1.1%	1,896	0.8%
Container Ships	22,614	13.9%	3,789	5.8%	26,403	11.6%
Ro-Ro Cargo Ships	3,777	2.3%	2,641	4.0%	6,418	2.8%
Bulk Carriers	45,448	28.0%	11,149	17.0%	56,597	24.8%
Oil and Chemical Tankers	34,200	21.1%	8,741	13.3%	42,941	18.9%
Gas Tankers	6,295	3.9%	774	1.2%	7,069	3.1%
Other Tankers	1,489	0.9%	418	0.6%	1,907	0.8%
Passenger Ships	4,845	3.0%	6,405	9.8%	11,250	4.9%
Offshore Vessels	11,175	6.9%	3,404	5.2%	14,579	6.4%
Service Ships	3,934	2.4%	4,589	7.0%	8,523	3.7%
Tugs	513	0.3%	496	0.8%	1,009	0.4%
Total	162,147	100%	65,628	100%	227,775	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

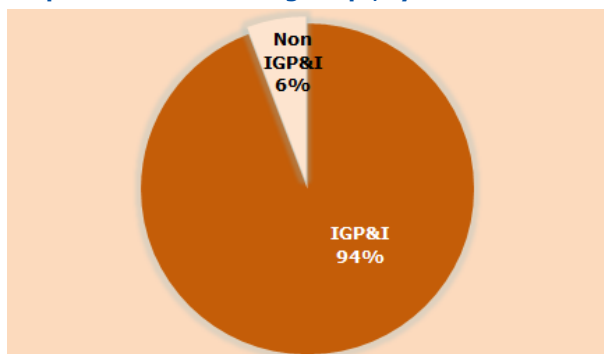
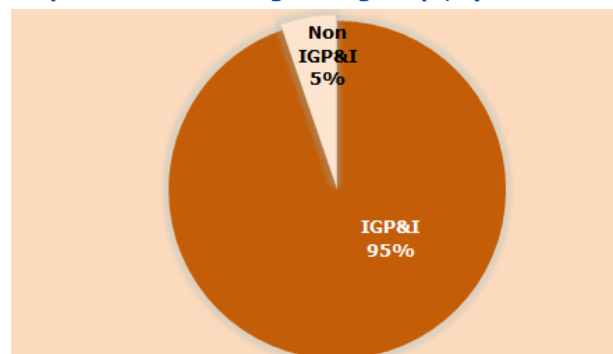
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	230	2.1%	8	1.2%	238	2.0%
Specialized Cargo Ships	66	0.6%	2	0.3%	68	0.6%
Container Ships	1,441	13.0%	86	12.7%	1,527	13.0%
Ro-Ro Cargo Ships	559	5.0%	22	3.2%	581	4.9%
Bulk Carriers	5,512	49.6%	433	63.8%	5,945	50.5%
Oil and Chemical Tankers	2,572	23.2%	70	10.3%	2,642	22.4%
Gas Tankers	347	3.1%	4	0.6%	351	3.0%
Other Tankers	11	0.1%			11	0.1%
Passenger Ships	260	2.3%	11	1.6%	271	2.3%
Offshore Vessels	83	0.7%	40	5.9%	123	1.0%
Service Ships	23	0.2%	3	0.4%	26	0.2%
Tugs						
Total	11,104	100%	679	100%	11,783	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	7,558	1.8%	232	1.0%	7,790	1.8%
Specialized Cargo Ships	2,498	0.6%	67	0.3%	2,565	0.6%
Container Ships	54,854	13.1%	3,055	13.0%	57,909	13.1%
Ro-Ro Cargo Ships	26,639	6.3%	959	4.1%	27,598	6.2%
Bulk Carriers	206,631	49.2%	14,133	60.3%	220,764	49.8%
Oil and Chemical Tankers	92,431	22.0%	2,545	10.9%	94,976	21.4%
Gas Tankers	15,002	3.6%	147	0.6%	15,149	3.4%
Other Tankers	324	0.1%			324	0.1%
Passenger Ships	9,429	2.2%	336	1.4%	9,765	2.2%
Offshore Vessels	3,803	0.9%	1,835	7.8%	5,638	1.3%
Service Ships	800	0.2%	120	0.5%	920	0.2%
Tugs						
Total	419,969	100%	23,429	100%	443,398	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**

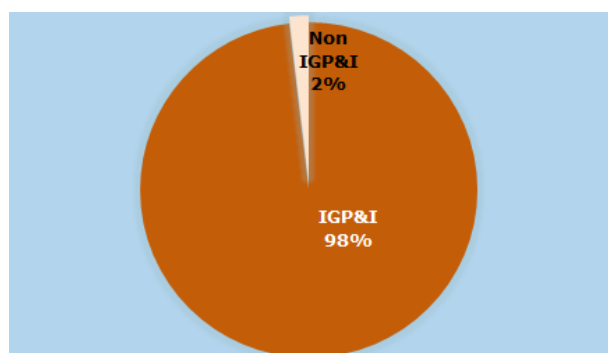
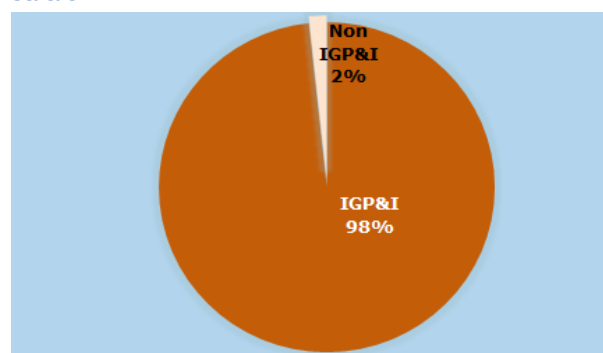
VERY LARGE SHIPS

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	3	0.1%	2	1.8%	5	0.1%
Container Ships	1,394	23.5%	6	5.4%	1,400	23.2%
Ro-Ro Cargo Ships	233	3.9%	2	1.8%	235	3.9%
Bulk Carriers	1,684	28.4%	20	17.9%	1,704	28.2%
Oil and Chemical Tankers	1,818	30.7%	24	21.4%	1,842	30.5%
Gas Tankers	462	7.8%	2	1.8%	464	7.7%
Other Tankers						
Passenger Ships	177	3.0%			177	2.9%
Offshore Vessels	150	2.5%	55	49.1%	205	3.4%
Service Ships	6	0.1%	1	0.9%	7	0.1%
Tugs						
Total	5,927	100%	112	100%	6,039	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	237	0.0%	134	1.3%	371	0.1%
Container Ships	147,537	24.0%	1,020	9.5%	148,557	23.8%
Ro-Ro Cargo Ships	15,643	2.5%	145	1.4%	15,788	2.5%
Bulk Carriers	168,632	27.5%	1,776	16.6%	170,408	27.3%
Oil and Chemical Tankers	193,776	31.6%	2,434	22.7%	196,210	31.4%
Gas Tankers	51,151	8.3%	205	1.9%	51,356	8.2%
Other Tankers						
Passenger Ships	18,418	3.0%			18,418	3.0%
Offshore Vessels	17,186	2.8%	4,943	46.1%	22,129	3.5%
Service Ships	891	0.1%	60	0.6%	951	0.2%
Tugs						
Total	613,471	100%	10,717	100%	624,188	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	345	5.3%	1,972	10.1%	887	13.4%	781	24.8%	3,985	11.1%
Specialized Cargo Ships	33	0.5%	53	0.3%	28	0.4%	57	1.8%	171	0.5%
Container Ships	720	11.0%	2,607	13.4%	1,113	16.9%	138	4.4%	4,578	12.8%
Ro-Ro Cargo Ships	123	1.9%	558	2.9%	278	4.2%	102	3.2%	1,061	3.0%
Bulk Carriers	2,303	35.2%	5,806	29.7%	1,291	19.6%	242	7.7%	9,642	26.9%
Oil and Chemical Tankers	1,409	21.5%	4,893	25.1%	1,623	24.6%	437	13.9%	8,362	23.3%
Gas Tankers	456	7.0%	673	3.4%	313	4.7%	109	3.5%	1,551	4.3%
Other Tankers	108	1.7%	159	0.8%	46	0.7%	47	1.5%	360	1.0%
Passenger Ships	88	1.3%	292	1.5%	397	6.0%	462	14.7%	1,239	3.5%
Offshore Vessels	775	11.8%	2,054	10.5%	418	6.3%	375	11.9%	3,622	10.1%
Service Ships	98	1.5%	217	1.1%	153	2.3%	310	9.8%	778	2.2%
Tugs	86	1.3%	244	1.2%	53	0.8%	90	2.9%	473	1.3%
Total	6,544	100%	19,528	100%	6,600	100%	3,150	100%	35,822	100%

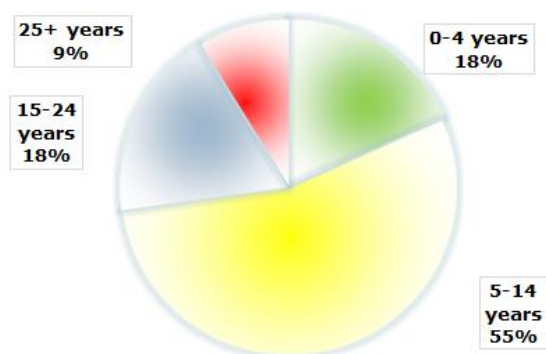
Source: Equasis

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

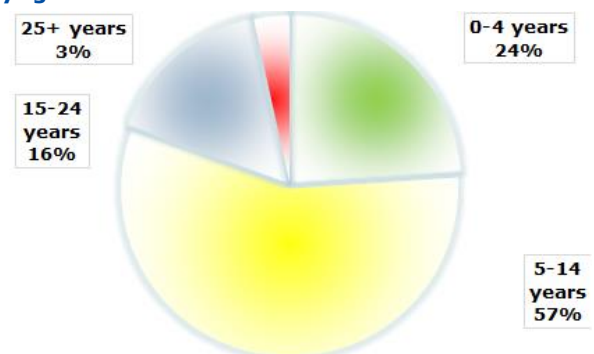
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	4,850	1.7%	18,318	2.7%	7,449	3.9%	3,600	8.8%	34,217	2.9%
Specialized Cargo Ships	863	0.3%	945	0.1%	503	0.3%	1,620	4.0%	3,931	0.3%
Container Ships	61,913	21.6%	127,165	18.8%	32,967	17.2%	2,961	7.3%	225,006	18.8%
Ro-Ro Cargo Ships	7,558	2.6%	26,584	3.9%	10,119	5.3%	1,798	4.4%	46,059	3.9%
Bulk Carriers	105,108	36.7%	260,463	38.5%	46,667	24.4%	8,473	20.8%	420,711	35.2%
Oil and Chemical Tankers	67,733	23.7%	186,733	27.6%	62,690	32.8%	3,250	8.0%	320,406	26.8%
Gas Tankers	24,784	8.7%	33,896	5.0%	10,472	5.5%	3,296	8.1%	72,448	6.1%
Other Tankers	702	0.2%	764	0.1%	257	0.1%	89	0.2%	1,812	0.2%
Passenger Ships	4,766	1.7%	11,087	1.6%	10,956	5.7%	5,883	14.4%	32,692	2.7%
Offshore Vessels	6,790	2.4%	9,468	1.4%	7,636	4.0%	8,270	20.3%	32,164	2.7%
Service Ships	963	0.3%	1,664	0.2%	1,507	0.8%	1,490	3.7%	5,624	0.5%
Tugs	88	0.0%	295	0.0%	45	0.0%	85	0.2%	513	0.0%
Total	286,118	100%	677,382	100%	191,268	100%	40,815	100%	1,195,583	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



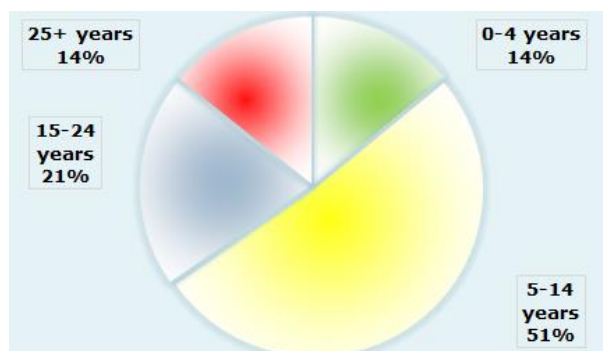
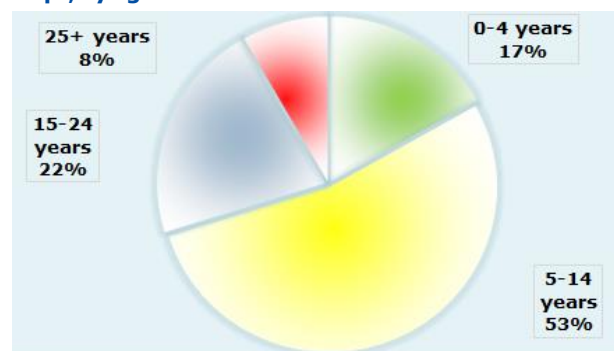
MEDIUM SIZED SHIPS

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	280	10.7%	1,888	19.6%	831	21.7%	756	28.3%	3,755	20.0%
Specialized Cargo Ships	19	0.7%	44	0.5%	20	0.5%	19	0.7%	102	0.5%
Container Ships	165	6.3%	880	9.1%	609	15.9%	89	3.3%	1,743	9.3%
Ro-Ro Cargo Ships	9	0.3%	68	0.7%	112	2.9%	80	3.0%	269	1.4%
Bulk Carriers	473	18.0%	1,424	14.7%	396	10.3%	153	5.7%	2,446	13.0%
Oil and Chemical Tankers	464	17.7%	2,270	23.5%	838	21.8%	400	15.0%	3,972	21.1%
Gas Tankers	148	5.6%	329	3.4%	201	5.2%	64	2.4%	742	3.9%
Other Tankers	103	3.9%	156	1.6%	43	1.1%	47	1.8%	349	1.9%
Passenger Ships	48	1.8%	151	1.6%	227	5.9%	376	14.1%	802	4.3%
Offshore Vessels	736	28.0%	1,995	20.7%	360	9.4%	298	11.1%	3,389	18.0%
Service Ships	95	3.6%	206	2.1%	146	3.8%	302	11.3%	749	4.0%
Tugs	86	3.3%	244	2.5%	53	1.4%	90	3.4%	473	2.5%
Total	2,626	100%	9,655	100%	3,836	100%	2,674	100%	18,791	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	2,834	10.4%	15,298	17.7%	5,632	16.2%	2,896	21.5%	26,660	16.4%
Specialized Cargo Ships	256	0.9%	537	0.6%	175	0.5%	227	1.7%	1,195	0.7%
Container Ships	2,370	8.7%	11,259	13.0%	7,805	22.4%	1,180	8.8%	22,614	13.9%
Ro-Ro Cargo Ships	132	0.5%	1,065	1.2%	1,719	4.9%	861	6.4%	3,777	2.3%
Bulk Carriers	10,284	37.7%	26,892	31.1%	6,374	18.3%	1,898	14.1%	45,448	28.0%
Oil and Chemical Tankers	5,038	18.5%	19,599	22.6%	7,939	22.8%	1,623	12.0%	34,199	21.1%
Gas Tankers	1,571	5.8%	2,872	3.3%	1,473	4.2%	379	2.8%	6,295	3.9%
Other Tankers	568	2.1%	669	0.8%	162	0.5%	89	0.7%	1,488	0.9%
Passenger Ships	225	0.8%	801	0.9%	1,424	4.1%	2,395	17.8%	4,845	3.0%
Offshore Vessels	3,386	12.4%	6,022	7.0%	1,088	3.1%	679	5.0%	11,175	6.9%
Service Ships	499	1.8%	1,261	1.5%	1,017	2.9%	1,157	8.6%	3,934	2.4%
Tugs	88	0.3%	295	0.3%	45	0.1%	85	0.6%	513	0.3%
Total	27,251	100%	86,570	100%	34,853	100%	13,469	100%	162,143	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**

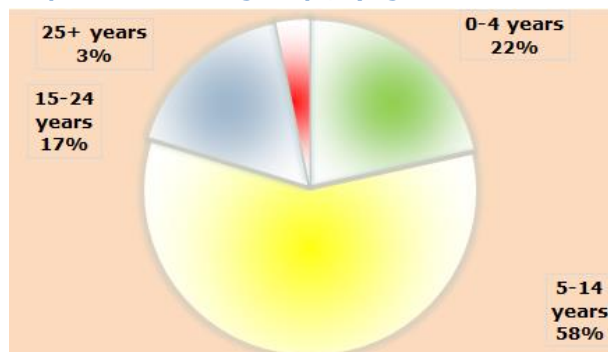
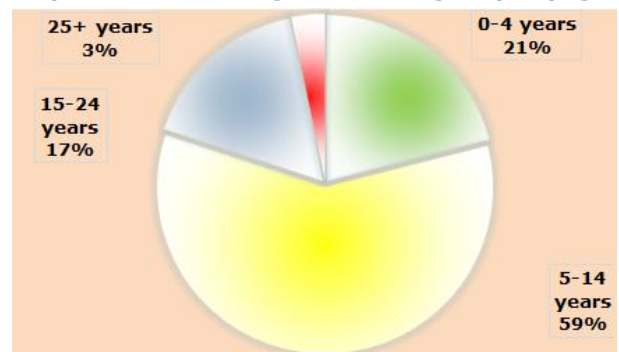
LARGE SHIPS

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	65	2.7%	84	1.3%	56	3.0%	25	7.0%	230	2.1%
Specialized Cargo Ships	13	0.5%	7	0.1%	8	0.4%	38	10.6%	66	0.6%
Container Ships	151	6.3%	935	14.5%	306	16.2%	49	13.6%	1,441	13.0%
Ro-Ro Cargo Ships	37	1.6%	356	5.5%	144	7.6%	22	6.1%	559	5.0%
Bulk Carriers	1,448	60.7%	3,267	50.5%	737	39.0%	60	16.7%	5,512	49.6%
Oil and Chemical Tankers	477	20.0%	1,590	24.6%	472	24.9%	33	9.2%	2,572	23.2%
Gas Tankers	167	7.0%	110	1.7%	43	2.3%	27	7.5%	347	3.1%
Other Tankers	5	0.2%	3	0.0%	3	0.2%			11	0.1%
Passenger Ships	13	0.5%	68	1.1%	102	5.4%	77	21.4%	260	2.3%
Offshore Vessels	9	0.4%	35	0.5%	17	0.9%	22	6.1%	83	0.7%
Service Ships	2	0.1%	11	0.2%	4	0.2%	6	1.7%	23	0.2%
Tugs										
Total	2,387	100%	6,466	100%	1,892	100%	359	100%	11,104	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	2,016	2.3%	3,020	1.2%	1,817	2.6%	704	5.2%	7,557	1.8%
Specialized Cargo Ships	522	0.6%	255	0.1%	328	0.5%	1,393	10.2%	2,498	0.6%
Container Ships	5,622	6.4%	36,822	14.8%	10,630	15.2%	1,781	13.1%	54,855	13.1%
Ro-Ro Cargo Ships	1,839	2.1%	16,951	6.8%	6,912	9.9%	937	6.9%	26,639	6.3%
Bulk Carriers	54,829	62.2%	124,261	50.1%	25,230	36.0%	2,311	17.0%	206,631	49.2%
Oil and Chemical Tankers	15,189	17.2%	57,413	23.1%	18,600	26.6%	1,229	9.0%	92,431	22.0%
Gas Tankers	7,028	8.0%	4,905	2.0%	1,873	2.7%	1,196	8.8%	15,002	3.6%
Other Tankers	134	0.2%	95	0.0%	95	0.1%			324	0.1%
Passenger Ships	563	0.6%	2,433	1.0%	3,583	5.1%	2,851	21.0%	9,430	2.2%
Offshore Vessels	366	0.4%	1,599	0.6%	843	1.2%	995	7.3%	3,803	0.9%
Service Ships	61	0.1%	403	0.2%	137	0.2%	198	1.5%	799	0.2%
Tugs										
Total	88,169	100%	248,157	100%	70,048	100%	13,595	100%	419,969	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**

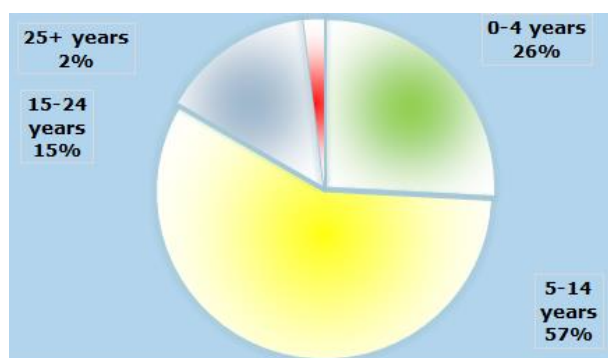
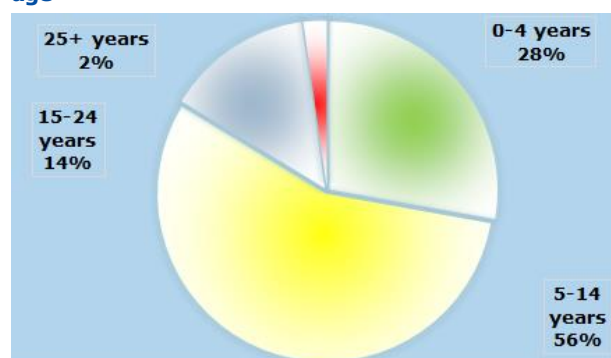
VERY LARGE SHIPS

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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships										
Specialized Cargo Ships	1	0.1%	2	0.1%					3	0.1%
Container Ships	404	26.4%	792	23.2%	198	22.7%			1,394	23.5%
Ro-Ro Cargo Ships	77	5.0%	134	3.9%	22	2.5%			233	3.9%
Bulk Carriers	382	25.0%	1,115	32.7%	158	18.1%	29	24.8%	1,684	28.4%
Oil and Chemical Tankers	468	30.6%	1,033	30.3%	313	35.9%	4	3.4%	1,818	30.7%
Gas Tankers	141	9.2%	234	6.9%	69	7.9%	18	15.4%	462	7.8%
Other Tankers										
Passenger Ships	27	1.8%	73	2.1%	68	7.8%	9	7.7%	177	3.0%
Offshore Vessels	30	2.0%	24	0.7%	41	4.7%	55	47.0%	150	2.5%
Service Ships	1	0.1%			3	0.3%	2	1.7%	6	0.1%
Tugs										
Total	1,531	100%	3,407	100%	872	100%	117	100%	5,927	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships										
Specialized Cargo Ships	85	0.0%	153	0.0%					238	0.0%
Container Ships	53,921	31.6%	79,084	23.1%	14,532	16.8%			147,537	24.0%
Ro-Ro Cargo Ships	5,587	3.3%	8,568	2.5%	1,488	1.7%			15,643	2.5%
Bulk Carriers	39,995	23.4%	109,310	31.9%	15,063	17.4%	4,264	31.0%	168,632	27.5%
Oil and Chemical Tankers	47,506	27.8%	109,721	32.0%	36,151	41.9%	398	2.9%	193,776	31.6%
Gas Tankers	16,185	9.5%	26,119	7.6%	7,126	8.3%	1,721	12.5%	51,151	8.3%
Other Tankers										
Passenger Ships	3,978	2.3%	7,853	2.3%	5,949	6.9%	637	4.6%	18,417	3.0%
Offshore Vessels	3,038	1.8%	1,847	0.5%	5,705	6.6%	6,596	48.0%	17,186	2.8%
Service Ships	403	0.2%			353	0.4%	135	1.0%	891	0.1%
Tugs										
Total	170,698	100%	342,655	100%	86,367	100%	13,751	100%	613,471	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	360	19.8%	1,773	37.1%	1,262	36.9%	4,549	40.9%	7,944	37.6%
Specialized Cargo Ships	15	0.8%	16	0.3%	4	0.1%	104	0.9%	139	0.7%
Container Ships	96	5.3%	182	3.8%	229	6.7%	98	0.9%	605	2.9%
Ro-Ro Cargo Ships	41	2.3%	45	0.9%	86	2.5%	231	2.1%	403	1.9%
Bulk Carriers	171	9.4%	689	14.4%	420	12.3%	513	4.6%	1,793	8.5%
Oil and Chemical Tankers	287	15.8%	623	13.0%	474	13.9%	1,781	16.0%	3,165	15.0%
Gas Tankers	31	1.7%	66	1.4%	75	2.2%	220	2.0%	392	1.9%
Other Tankers	26	1.4%	46	1.0%	28	0.8%	214	1.9%	314	1.5%
Passenger Ships	234	12.8%	364	7.6%	375	11.0%	970	8.7%	1,943	9.2%
Offshore Vessels	267	14.7%	529	11.1%	186	5.4%	1,048	9.4%	2,030	9.6%
Service Ships	252	13.8%	352	7.4%	224	6.6%	1,028	9.2%	1,856	8.8%
Tugs	42	2.3%	90	1.9%	55	1.6%	370	3.3%	557	2.6%
Total	1,822	100%	4,775	100%	3,418	100%	11,126	100%	21,141	100%

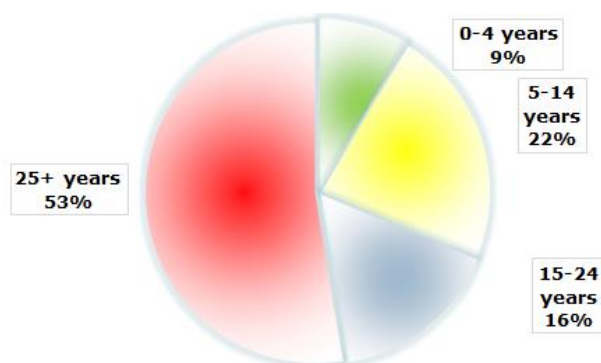
Source: Equasis

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

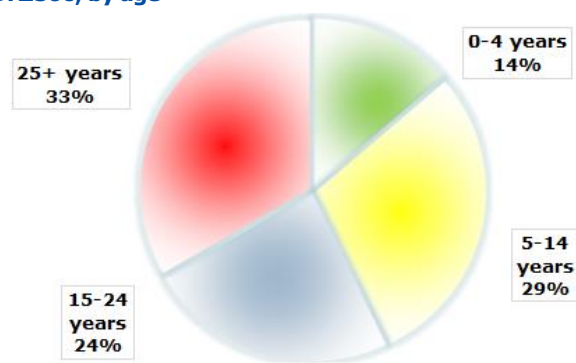
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	979	7.2%	5,737	19.8%	4,891	20.6%	11,147	33.5%	22,754	22.8%
Specialized Cargo Ships	218	1.6%	153	0.5%	27	0.1%	504	1.5%	902	0.9%
Container Ships	1,961	14.4%	2,823	9.7%	2,432	10.2%	650	2.0%	7,866	7.9%
Ro-Ro Cargo Ships	474	3.5%	805	2.8%	904	3.8%	1,562	4.7%	3,745	3.8%
Bulk Carriers	2,826	20.7%	10,889	37.5%	8,372	35.2%	4,972	14.9%	27,059	27.1%
Oil and Chemical Tankers	1,733	12.7%	3,005	10.3%	3,875	16.3%	5,109	15.3%	13,722	13.8%
Gas Tankers	238	1.7%	125	0.4%	146	0.6%	617	1.9%	1,126	1.1%
Other Tankers	57	0.4%	70	0.2%	44	0.2%	248	0.7%	419	0.4%
Passenger Ships	1,046	7.7%	1,358	4.7%	1,396	5.9%	2,940	8.8%	6,740	6.8%
Offshore Vessels	3,140	23.0%	2,885	9.9%	1,133	4.8%	3,025	9.1%	10,183	10.2%
Service Ships	953	7.0%	1,090	3.8%	526	2.2%	2,200	6.6%	4,769	4.8%
Tugs	35	0.3%	95	0.3%	46	0.2%	321	1.0%	497	0.5%
Total	13,660	100%	29,035	100%	23,792	100%	33,295	100%	99,782	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



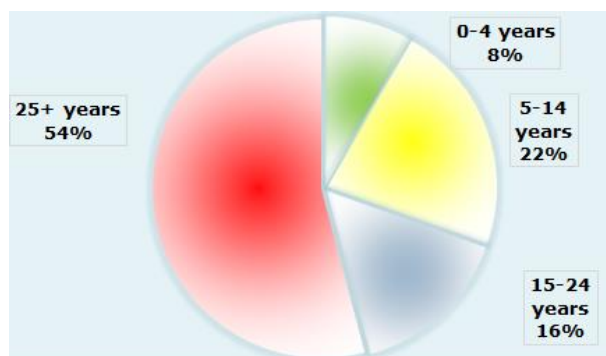
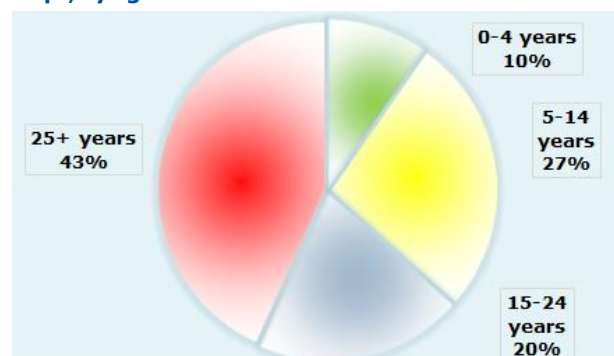
MEDIUM SIZED SHIPS

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	360	21.3%	1,773	39.4%	1,255	40.0%	4,548	41.3%	7,936	39.0%
Specialized Cargo Ships	13	0.8%	16	0.4%	4	0.1%	102	0.9%	135	0.7%
Container Ships	68	4.0%	142	3.2%	207	6.6%	96	0.9%	513	2.5%
Ro-Ro Cargo Ships	39	2.3%	36	0.8%	79	2.5%	225	2.0%	379	1.9%
Bulk Carriers	120	7.1%	517	11.5%	238	7.6%	465	4.2%	1,340	6.6%
Oil and Chemical Tankers	277	16.4%	607	13.5%	426	13.6%	1,761	16.0%	3,071	15.1%
Gas Tankers	29	1.7%	66	1.5%	75	2.4%	216	2.0%	386	1.9%
Other Tankers	26	1.5%	46	1.0%	28	0.9%	214	1.9%	314	1.5%
Passenger Ships	231	13.7%	361	8.0%	374	11.9%	966	8.8%	1,932	9.5%
Offshore Vessels	237	14.0%	498	11.1%	175	5.6%	1,025	9.3%	1,935	9.5%
Service Ships	250	14.8%	351	7.8%	224	7.1%	1,027	9.3%	1,852	9.1%
Tugs	42	2.5%	90	2.0%	55	1.8%	370	3.4%	557	2.7%
Total	1,692	100%	4,503	100%	3,140	100%	11,015	100%	20,350	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	979	15.3%	5,737	32.6%	4,697	35.4%	11,109	39.1%	22,522	34.3%
Specialized Cargo Ships	84	1.3%	153	0.9%	27	0.2%	437	1.5%	701	1.1%
Container Ships	504	7.9%	1,084	6.2%	1,632	12.3%	570	2.0%	3,790	5.8%
Ro-Ro Cargo Ships	403	6.3%	316	1.8%	592	4.5%	1,330	4.7%	2,641	4.0%
Bulk Carriers	819	12.8%	4,739	26.9%	2,358	17.8%	3,234	11.4%	11,150	17.0%
Oil and Chemical Tankers	818	12.8%	2,020	11.5%	1,513	11.4%	4,391	15.5%	8,742	13.3%
Gas Tankers	86	1.3%	125	0.7%	146	1.1%	417	1.5%	774	1.2%
Other Tankers	57	0.9%	70	0.4%	44	0.3%	248	0.9%	419	0.6%
Passenger Ships	944	14.8%	1,265	7.2%	1,366	10.3%	2,829	10.0%	6,404	9.8%
Offshore Vessels	774	12.1%	968	5.5%	312	2.4%	1,350	4.8%	3,404	5.2%
Service Ships	888	13.9%	1,035	5.9%	526	4.0%	2,140	7.5%	4,589	7.0%
Tugs	35	0.5%	95	0.5%	46	0.3%	321	1.1%	497	0.8%
Total	6,391	100%	17,607	100%	13,259	100%	28,376	100%	65,633	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**

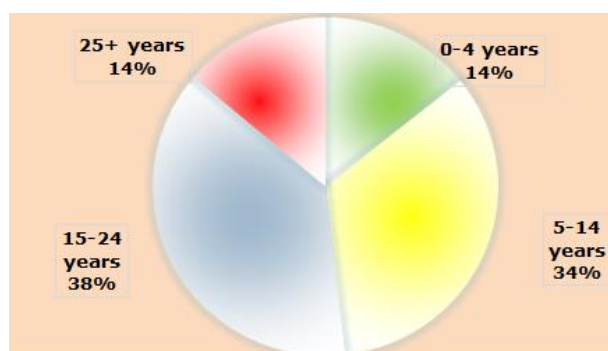
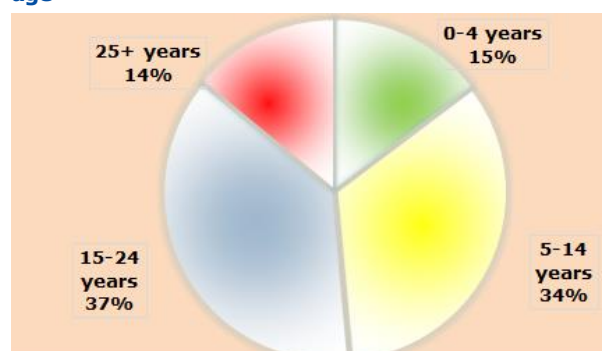
LARGE SHIPS

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					7	2.7%	1	1.1%	8	1.2%
Specialized Cargo Ships							2	2.1%	2	0.3%
Container Ships	24	24.7%	38	16.5%	22	8.5%	2	2.1%	86	12.7%
Ro-Ro Cargo Ships	2	2.1%	7	3.0%	7	2.7%	6	6.4%	22	3.2%
Bulk Carriers	47	48.5%	163	70.9%	179	69.4%	44	46.8%	433	63.8%
Oil and Chemical Tankers	3	3.1%	9	3.9%	39	15.1%	19	20.2%	70	10.3%
Gas Tankers	1	1.0%					3	3.2%	4	0.6%
Other Tankers										
Passenger Ships	3	3.1%	3	1.3%	1	0.4%	4	4.3%	11	1.6%
Offshore Vessels	15	15.5%	9	3.9%	3	1.2%	13	13.8%	40	5.9%
Service Ships	2	2.1%	1	0.4%					3	0.4%
Tugs										
Total	97	100%	230	100%	258	100%	94	100%	679	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					194	2.2%	38	1.2%	232	1.0%
Specialized Cargo Ships							67	2.0%	67	0.3%
Container Ships	720	20.9%	1,456	18.4%	800	9.1%	80	2.4%	3,056	13.0%
Ro-Ro Cargo Ships	71	2.1%	344	4.3%	312	3.6%	232	7.0%	959	4.1%
Bulk Carriers	1,592	46.1%	5,294	66.8%	5,786	66.0%	1,460	44.4%	14,132	60.3%
Oil and Chemical Tankers	103	3.0%	284	3.6%	1,507	17.2%	651	19.8%	2,545	10.9%
Gas Tankers	26	0.8%					121	3.7%	147	0.6%
Other Tankers										
Passenger Ships	102	3.0%	93	1.2%	30	0.3%	111	3.4%	336	1.4%
Offshore Vessels	771	22.3%	399	5.0%	135	1.5%	531	16.1%	1,836	7.8%
Service Ships	65	1.9%	55	0.7%					120	0.5%
Tugs										
Total	3,450	100%	7,925	100%	8,764	100%	3,291	100%	23,430	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**

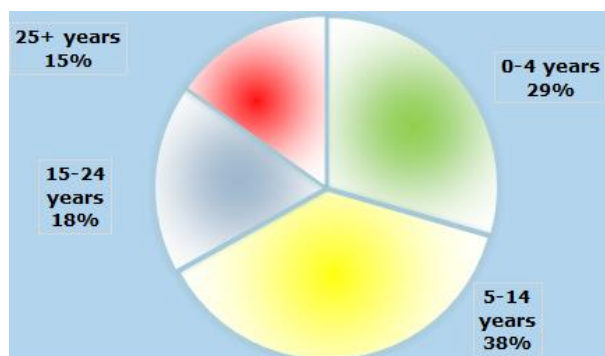
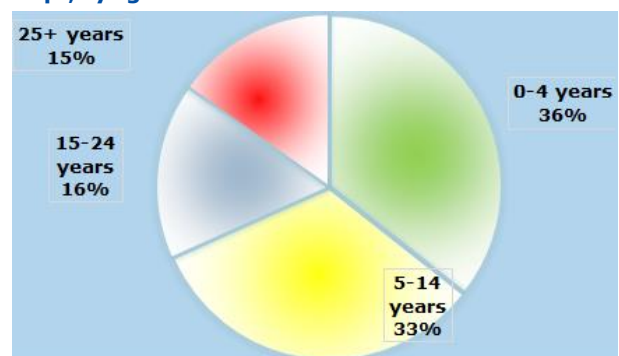
VERY LARGE SHIPS

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	2	6.1%							2	1.8%
Container Ships	4	12.1%	2	4.8%					6	5.4%
Ro-Ro Cargo Ships			2	4.8%					2	1.8%
Bulk Carriers	4	12.1%	9	21.4%	3	15.0%	4	23.5%	20	17.9%
Oil and Chemical Tankers	7	21.2%	7	16.7%	9	45.0%	1	5.9%	24	21.4%
Gas Tankers	1	3.0%					1	5.9%	2	1.8%
Other Tankers										
Passenger Ships										
Offshore Vessels	15	45.5%	22	52.4%	8	40.0%	10	58.8%	55	49.1%
Service Ships							1	5.9%	1	0.9%
Tugs										
Total	33	100%	42	100%	20	100%	17	100%	112	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	134	3.5%							134	1.3%
Container Ships	737	19.3%	283	8.1%					1,020	9.5%
Ro-Ro Cargo Ships			145	4.1%					145	1.4%
Bulk Carriers	415	10.9%	856	24.4%	228	12.9%	278	17.1%	1,777	16.6%
Oil and Chemical Tankers	812	21.3%	701	20.0%	855	48.3%	67	4.1%	2,435	22.7%
Gas Tankers	126	3.3%					79	4.9%	205	1.9%
Other Tankers										
Passenger Ships										
Offshore Vessels	1,595	41.8%	1,518	43.3%	686	38.8%	1,144	70.3%	4,943	46.1%
Service Ships							60	3.7%	60	0.6%
Tugs										
Total	3,819	100%	3,503	100%	1,769	100%	1,628	100%	10,719	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	1,665	14.1%	4,325	48.4%	5,990	2,320	9.7%	3,619	29.7%	5,939
Specialized Cargo Ships	44	0.4%	87	1.0%	131	127	0.5%	52	0.4%	179
Container Ships	1,339	11.4%	280	3.1%	1,619	3,239	13.5%	325	2.7%	3,564
Ro-Ro Cargo Ships	350	3.0%	180	2.0%	530	711	3.0%	223	1.8%	934
Bulk Carriers	3,827	32.5%	625	7.0%	4,452	5,815	24.2%	1,168	9.6%	6,983
Oil and Chemical Tankers	2,656	22.5%	1,269	14.2%	3,925	5,706	23.7%	1,896	15.5%	7,602
Gas Tankers	464	3.9%	148	1.7%	612	1,087	4.5%	244	2.0%	1,331
Other Tankers	87	0.7%	123	1.4%	210	273	1.1%	191	1.6%	464
Passenger Ships	241	2.0%	808	9.0%	1,049	998	4.2%	1,135	9.3%	2,133
Offshore Vessels	865	7.3%	561	6.3%	1,426	2,757	11.5%	1,469	12.0%	4,226
Service Ships	172	1.5%	428	4.8%	600	606	2.5%	1,428	11.7%	2,034
Tugs	75	0.6%	107	1.2%	182	398	1.7%	450	3.7%	848
Total	11,785	100%	8,941	100%	20,726	24,037	100%	12,200	100%	36,237

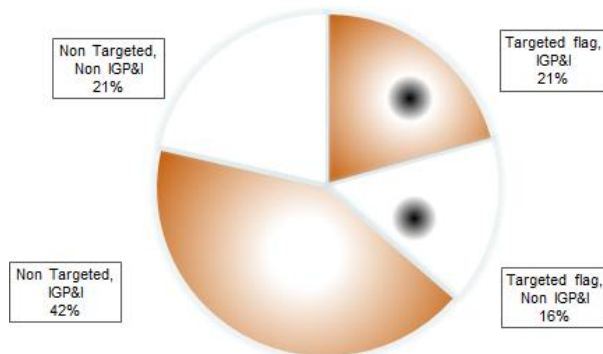
Source: Equasis

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

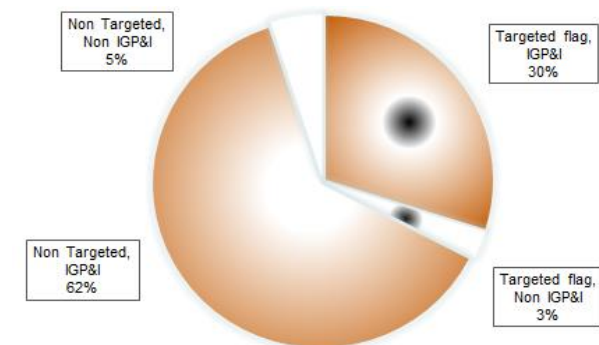
Ship Type	Targeted flag			Non Targeted flag						
	IGP&I		Non IGP&I	Total	IGP&I	Non IGP&I	Total			
General Cargo Ships	12,470	3.2%	12,034	34.4%	24,504	21,749	2.7%	10,720	16.5%	32,469
Specialized Cargo Ships	1,072	0.3%	355	1.0%	1,427	2,859	0.4%	547	0.8%	3,406
Container Ships	58,709	15.2%	1,996	5.7%	60,705	166,296	20.6%	5,868	9.1%	172,164
Ro-Ro Cargo Ships	15,261	3.9%	1,838	5.3%	17,099	30,799	3.8%	1,906	2.9%	32,705
Bulk Carriers	160,471	41.5%	7,366	21.1%	167,837	260,240	32.2%	19,693	30.4%	279,933
Oil and Chemical Tankers	103,877	26.8%	5,624	16.1%	109,501	216,530	26.8%	8,097	12.5%	224,627
Gas Tankers	17,416	4.5%	584	1.7%	18,000	55,032	6.8%	543	0.8%	55,575
Other Tankers	360	0.1%	189	0.5%	549	1,453	0.2%	230	0.4%	1,683
Passenger Ships	7,842	2.0%	2,541	7.3%	10,383	24,852	3.1%	4,201	6.5%	29,053
Offshore Vessels	8,080	2.1%	1,450	4.1%	9,530	24,085	3.0%	8,734	13.5%	32,819
Service Ships	1,449	0.4%	920	2.6%	2,369	4,176	0.5%	3,849	5.9%	8,025
Tugs	76	0.0%	84	0.2%	160	438	0.1%	412	0.6%	850
Total	387,083	100%	34,981	100%	422,064	808,509	100%	64,800	100%	873,309

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



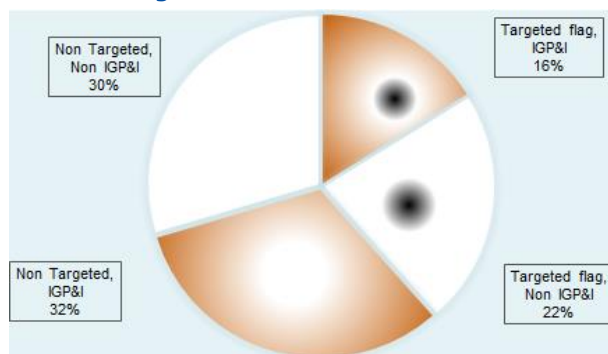
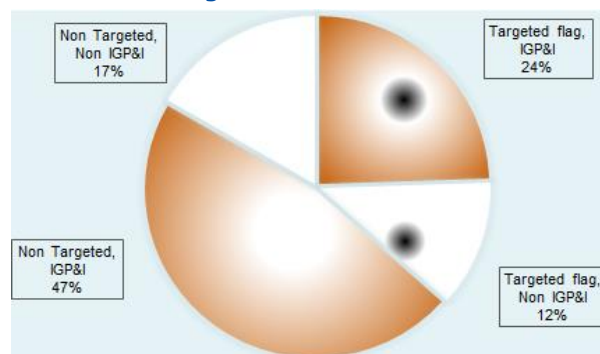
MEDIUM SIZED SHIPS

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	1,622	25.7%	4,324	49.4%	5,946	2,133	17.1%	3,612	31.2%	5,745
Specialized Cargo Ships	23	0.4%	85	1.0%	108	79	0.6%	50	0.4%	129
Container Ships	623	9.9%	273	3.1%	896	1,120	9.0%	240	2.1%	1,360
Ro-Ro Cargo Ships	75	1.2%	164	1.9%	239	194	1.6%	215	1.9%	409
Bulk Carriers	1,059	16.8%	535	6.1%	1,594	1,387	11.1%	805	6.9%	2,192
Oil and Chemical Tankers	1,381	21.9%	1,222	14.0%	2,603	2,591	20.8%	1,849	16.0%	4,440
Gas Tankers	256	4.1%	144	1.6%	400	486	3.9%	242	2.1%	728
Other Tankers	85	1.3%	123	1.4%	208	264	2.1%	191	1.6%	455
Passenger Ships	146	2.3%	804	9.2%	950	656	5.3%	1,128	9.7%	1,784
Offshore Vessels	797	12.6%	551	6.3%	1,348	2,592	20.8%	1,384	11.9%	3,976
Service Ships	163	2.6%	427	4.9%	590	586	4.7%	1,425	12.3%	2,011
Tugs	75	1.2%	107	1.2%	182	398	3.2%	450	3.9%	848
Total	6,305	100%	8,759	100%	15,064	12,486	100%	11,591	100%	24,077

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	11,094	19.9%	12,004	43.4%	23,098	15,567	14.6%	10,518	27.7%	26,085
Specialized Cargo Ships	250	0.4%	288	1.0%	538	946	0.9%	413	1.1%	1,359
Container Ships	7,732	13.9%	1,802	6.5%	9,534	14,882	14.0%	1,987	5.2%	16,869
Ro-Ro Cargo Ships	949	1.7%	1,031	3.7%	1,980	2,828	2.7%	1,610	4.2%	4,438
Bulk Carriers	18,672	33.5%	4,370	15.8%	23,042	26,776	25.2%	6,779	17.9%	33,555
Oil and Chemical Tankers	10,587	19.0%	3,406	12.3%	13,993	23,613	22.2%	5,335	14.1%	28,948
Gas Tankers	2,026	3.6%	301	1.1%	2,327	4,269	4.0%	473	1.2%	4,742
Other Tankers	304	0.5%	189	0.7%	493	1,185	1.1%	230	0.6%	1,415
Passenger Ships	939	1.7%	2,423	8.8%	3,362	3,907	3.7%	3,982	10.5%	7,889
Offshore Vessels	2,329	4.2%	917	3.3%	3,246	8,847	8.3%	2,488	6.6%	11,335
Service Ships	762	1.4%	865	3.1%	1,627	3,172	3.0%	3,724	9.8%	6,896
Tugs	76	0.1%	84	0.3%	160	438	0.4%	412	1.1%	850
Total	55,720	100%	27,680	100%	83,400	106,430	100%	37,951	100%	144,381

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**

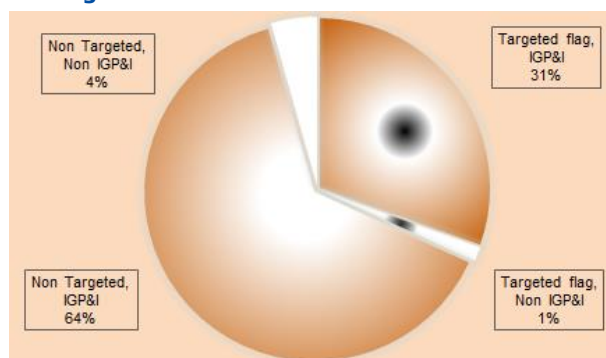
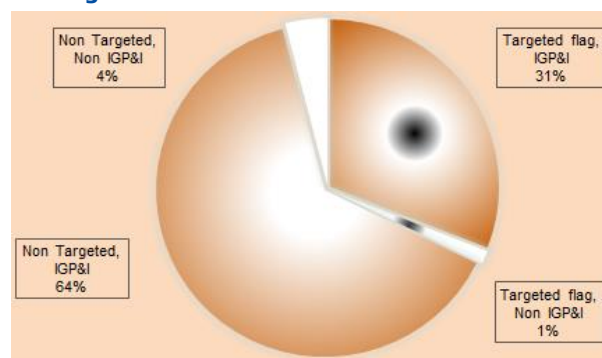
LARGE SHIPS

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	43	1.2%	1	0.6%	44	187	2.5%	7	1.4%	194
Specialized Cargo Ships	21	0.6%	2	1.2%	23	45	0.6%			45
Container Ships	362	10.1%	7	4.3%	369	1,079	14.4%	79	15.3%	1,158
Ro-Ro Cargo Ships	202	5.6%	15	9.3%	217	357	4.8%	7	1.4%	364
Bulk Carriers	2,108	58.7%	86	53.1%	2,194	3,404	45.3%	347	67.1%	3,751
Oil and Chemical Tankers	667	18.6%	37	22.8%	704	1,905	25.4%	33	6.4%	1,938
Gas Tankers	109	3.0%	2	1.2%	111	238	3.2%	2	0.4%	240
Other Tankers	2	0.1%			2	9	0.1%			9
Passenger Ships	41	1.1%	4	2.5%	45	219	2.9%	7	1.4%	226
Offshore Vessels	28	0.8%	7	4.3%	35	55	0.7%	33	6.4%	88
Service Ships	8	0.2%	1	0.6%	9	15	0.2%	2	0.4%	17
Tugs										
Total	3,591	100%	162	100%	3,753	7,513	100%	517	100%	8,030

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	1,376	1.0%	30	0.5%	1,406	6,182	2.2%	202	1.1%	6,384
Specialized Cargo Ships	822	0.6%	67	1.2%	889	1,676	0.6%			1,676
Container Ships	13,418	9.8%	194	3.5%	13,612	41,436	14.7%	2,861	16.0%	44,297
Ro-Ro Cargo Ships	9,499	6.9%	735	13.2%	10,234	17,141	6.1%	224	1.3%	17,365
Bulk Carriers	79,157	57.7%	2,682	48.2%	81,839	127,474	45.1%	11,451	64.1%	138,925
Oil and Chemical Tankers	25,217	18.4%	1,330	23.9%	26,547	67,214	23.8%	1,215	6.8%	68,429
Gas Tankers	4,802	3.5%	78	1.4%	4,880	10,200	3.6%	70	0.4%	10,270
Other Tankers	56	0.0%			56	268	0.1%			268
Passenger Ships	1,358	1.0%	118	2.1%	1,476	8,071	2.9%	219	1.2%	8,290
Offshore Vessels	1,259	0.9%	281	5.0%	1,540	2,544	0.9%	1,554	8.7%	4,098
Service Ships	284	0.2%	55	1.0%	339	516	0.2%	65	0.4%	581
Tugs										
Total	137,248	100%	5,570	100%	142,818	282,722	100%	17,861	100%	300,583

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**

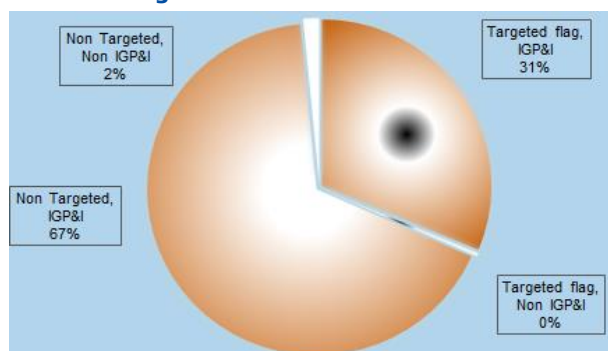
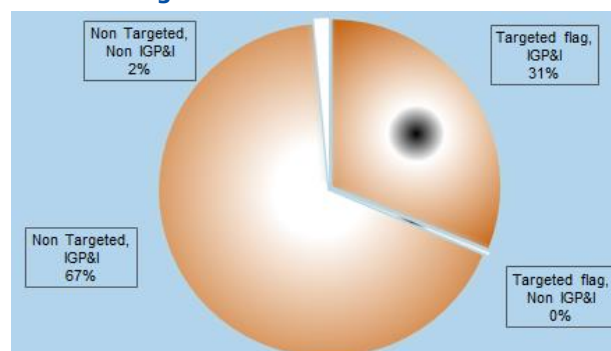
VERY LARGE SHIPS

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		IGP&I		Non IGP&I		Total	
General Cargo Ships										
Specialized Cargo Ships					3	0.1%	2	2.2%	5	
Container Ships	354	18.7%			354	1,040	25.8%	6	6.5%	1,046
Ro-Ro Cargo Ships	73	3.9%	1	5.0%	74	160	4.0%	1	1.1%	161
Bulk Carriers	660	34.9%	4	20.0%	664	1,024	25.4%	16	17.4%	1,040
Oil and Chemical Tankers	608	32.2%	10	50.0%	618	1,210	30.0%	14	15.2%	1,224
Gas Tankers	99	5.2%	2	10.0%	101	363	9.0%			363
Other Tankers										
Passenger Ships	54	2.9%			54	123	3.0%			123
Offshore Vessels	40	2.1%	3	15.0%	43	110	2.7%	52	56.5%	162
Service Ships	1	0.1%			1	5	0.1%	1	1.1%	6
Tugs										
Total	1,889	100%	20	100%	1,909	4,038	100%	92	100%	4,130

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		IGP&I		Non IGP&I		Total	
General Cargo Ships										
Specialized Cargo Ships					237	0.1%	134	1.5%	371	
Container Ships	37,559	19.3%			37,559	109,978	26.2%	1,020	11.3%	110,998
Ro-Ro Cargo Ships	4,813	2.5%	72	4.2%	4,885	10,830	2.6%	72	0.8%	10,902
Bulk Carriers	62,642	32.3%	314	18.1%	62,956	105,990	25.3%	1,463	16.3%	107,453
Oil and Chemical Tankers	68,073	35.1%	888	51.3%	68,961	125,703	30.0%	1,547	17.2%	127,250
Gas Tankers	10,588	5.5%	205	11.8%	10,793	40,563	9.7%			40,563
Other Tankers										
Passenger Ships	5,545	2.9%			5,545	12,874	3.1%			12,874
Offshore Vessels	4,492	2.3%	252	14.6%	4,744	12,694	3.0%	4,692	52.2%	17,386
Service Ships	403	0.2%			403	488	0.1%	60	0.7%	548
Tugs										
Total	194,115	100%	1,731	100%	195,846	419,357	100%	8,988	100%	428,345

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 - 2017

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.00%	8.65%	5.77%
Specialized Cargo Ships	3.35%	8.91%	6.07%
Container Ships	1.30%	5.91%	1.53%
Ro-Ro Cargo Ships	0.68%	7.34%	1.31%
Bulk Carriers	1.91%	7.47%	2.26%
Oil and Chemical Tankers	1.08%	8.57%	1.41%
Gas Tankers	1.11%	5.61%	1.36%
Other Tankers	2.21%	20.00%	4.15%
Passenger Ships	1.16%	4.02%	1.49%
Offshore Vessels	3.18%	14.63%	5.09%
Service Ships	0.59%	7.20%	2.38%
Tugs	2.82%	13.33%	4.65%
Total	1.73%	8.36%	2.80%

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 - 2017

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.14%	8.65%	5.96%
Specialized Cargo Ships	3.72%	9.02%	6.77%
Container Ships	1.60%	6.61%	2.21%
Ro-Ro Cargo Ships	2.51%	9.18%	5.35%
Bulk Carriers	2.25%	8.07%	3.07%
Oil and Chemical Tankers	1.60%	8.82%	2.22%
Gas Tankers	1.42%	5.61%	1.83%
Other Tankers	2.31%	20.00%	4.33%
Passenger Ships	1.43%	4.49%	2.24%
Offshore Vessels	3.41%	15.38%	5.45%
Service Ships	0.62%	7.20%	2.44%
Tugs	2.82%	13.33%	4.65%
Total	2.29%	8.58%	4.15%

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 - 2017

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	1.36%	5.56%	1.47%
Specialized Cargo Ships	2.56%	0.00%	2.47%
Container Ships	1.45%	0.00%	1.43%
Ro-Ro Cargo Ships	0.61%	0.00%	0.59%
Bulk Carriers	1.69%	6.21%	1.81%
Oil and Chemical Tankers	0.72%	9.80%	0.81%
Gas Tankers	1.19%		1.19%
Other Tankers	0.00%		0.00%
Passenger Ships	1.37%	0.00%	1.32%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.39%	5.27%	1.48%

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 - 2017

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.87%	0.00%	0.87%
Ro-Ro Cargo Ships	0.13%	0.00%	0.13%
Bulk Carriers	2.14%	0.00%	2.12%
Oil and Chemical Tankers	0.70%	0.00%	0.69%
Gas Tankers	0.25%		0.25%
Other Tankers			
Passenger Ships	0.73%		0.73%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Total	1.10%	0.00%	1.09%

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). It should be noted that data from the Black Sea MoU will ideally be included in this chapter from 2018 as a data sharing agreement with Equasis has only just been concluded and we do not have three years of data to compare the Black Sea MoU with the other PSC Regimes. It is also hoped that Riyadh MoU and Abuja MoU data can also be included in 2018.

The analyses in this chapter take into account the last three years of inspections (2015-2017) from these PSC regimes as recorded in Equasis.

Please note that in 2018, the issue of "double reporting" the same inspection under two port State Control regimes was raised with Equasis by the industry. Due to the data sharing agreements with the PSC MoUs, Equasis cannot interpret the data supplied by them, so both reports of inspections and detentions are included in the data. Equasis is working on an interim measure to represent these inspections and detentions fairly in the Equasis database and an analysis of the impact of the double reporting issue on this annual report will be included in next year's report.

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, of which Equasis receives data from seven PSC regimes (please see previous comments on the Black Sea MoU, The Riyadh MoU and the Abuja MoU). However 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, may 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 three years (please see previous comments on the Black Sea MoU, The Riyadh MoU and the Abuja MoU). 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 “Recognised Organisations” is 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 is provided by the following PSC regimes to Equasis: Paris MoU, Indian Ocean MoU, USCG, Viña del Mar, Mediterranean MoU and Caribbean MoU (please see previous comments on the Black Sea MoU, The Riyadh MoU and the Abuja 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 the reference to a “group” of certificates in the table could 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 58,205 ships over 500GT in the fleet covered by Equasis, 60% (34,711) were inspected at least once in the period 2015-2017. This equates to 88% by tonnage.

Table 113 shows that the number of individual ships inspected has remained steady in comparison to last year to the total of 31,019 inspections.

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 predominant. Furthermore, the introduction of the New Inspection Regime in Paris MoU and Tokyo MoU, also led to a closer similarity between 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, ro-ro cargo and general cargo being more likely to be inspected in four or more PSC regions.

Table 111 shows that a very small quantity of small sized ships are inspected (4%) and that the majority of ships without an inspection record are either in the small sized ship category (59.5%) or in the medium sized category (37.5%). For the other categories, large and very large about 90% of the ships were inspected between 2015 and 2017.

By age, Table 116 shows that oldest ships (30% inspected) have been subjected to fewer inspections than the newer ships (59% inspected). Additionally ships with IG P&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 (80%) and these are the ones mostly operating in PSC regions for which Equasis has PSC data.

Table 132 shows that ships with targeted flag States are subject to more inspections than those of non-targeted flag States, but with a small difference between targeted and non-targeted (62% and 58%, respectively)

Table 140 shows that the majority of statutory certificates are issued by Recognised Organisations of IACS. In 96%

of inspections of ships over 500GT a statutory certificate has been found to be issued by a Recognised Organisation 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 (2015-2017)

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	5,296	143	2.7%	12,253	6,602	53.9%	413	399	96.6%	32	32	100.0%	17,994	7,176	39.9%
Refrigerated Cargo	746	26	3.5%	993	570	57.4%	3	1	33.3%				1,742	597	34.3%
Heavy load	1		0.0%	70	54	77.1%	44	38	86.4%	5	2	40.0%	120	94	78.3%
Container	20	1	5.0%	2,155	1,697	78.7%	1,485	1,380	92.9%	1,385	1,335	96.4%	5,045	4,413	87.5%
Ro-Ro cargo	36	10	27.8%	569	325	57.1%	491	485	98.8%	210	207	98.6%	1,306	1,027	78.6%
Bulk Carrier	3		0.0%	2,881	2,434	84.5%	5,725	5,244	91.6%	1,691	1,634	96.6%	10,300	9,312	90.4%
Oil tanker	1,830	38	2.1%	4,274	1,068	25.0%	1,489	1,276	85.7%	1,778	1,529	86.0%	9,371	3,911	41.7%
Chemical tanker	453	4	0.9%	3,267	2,292	70.2%	1,089	972	89.3%				4,809	3,268	68.0%
Combination carrier				40	12	30.0%	8	8	100.0%	7	5	71.4%	55	25	45.5%
Gas carrier	36		0.0%	1,102	681	61.8%	305	278	91.1%	452	347	76.8%	1,895	1,306	68.9%
NLS Tanker	2	1	50.0%	130	123	94.6%	122	122	100.0%	87	87	100.0%	341	333	97.7%
High speed passenger craft	38	38	100.0%	47	47	100.0%							85	85	100.0%
Passenger Ship	3,085	108	3.5%	737	147	19.9%	69	67	97.1%	173	167	96.5%	4,064	489	12.0%
RoRo passenger ship	806	5	0.6%	1,938	213	11.0%	201	163	81.1%	4	4	100.0%	2,949	385	13.1%
Offshore supply	2,374	80	3.4%	4,838	1,002	20.7%	16	3	18.8%	4	2	50.0%	7,232	1,087	15.0%
Special purpose ship	528	46	8.7%	590	185	31.4%	17	11	64.7%	4	2	50.0%	1,139	244	21.4%
Tug	17,392	677	3.9%	1,077	199	18.5%							18,469	876	4.7%
Other special activities	3,033	328	10.8%	2,855	750	26.3%	218	148	67.9%	185	42	22.7%	6,291	1,268	20.2%
Other	377	19	5.0%	564	225	39.9%	91	84	92.3%	22	14	63.6%	1,054	342	32.4%
Total	36,056	1,524	4%	40,380	18,626	46%	11,786	10,679	91%	6,039	5,409	90%	94,261	36,238	38%

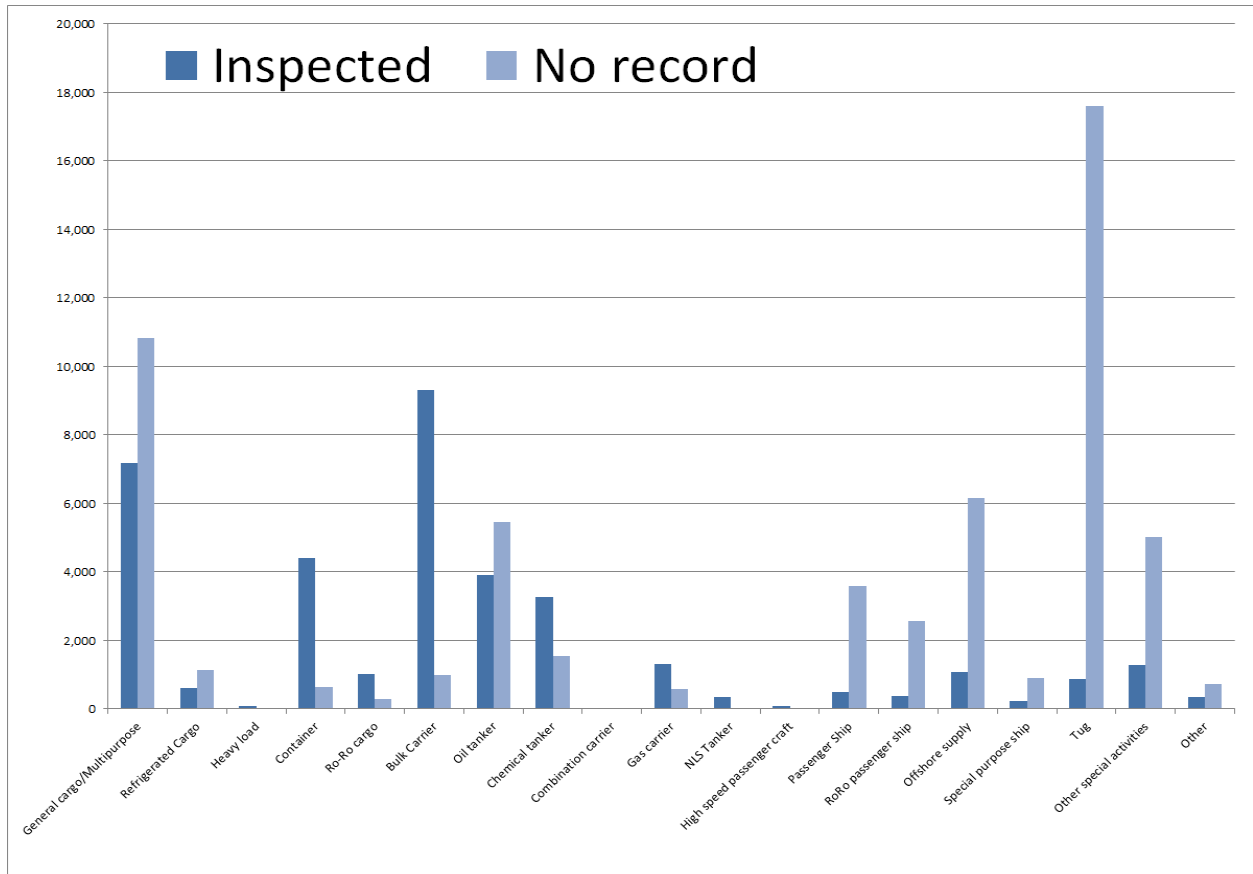
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

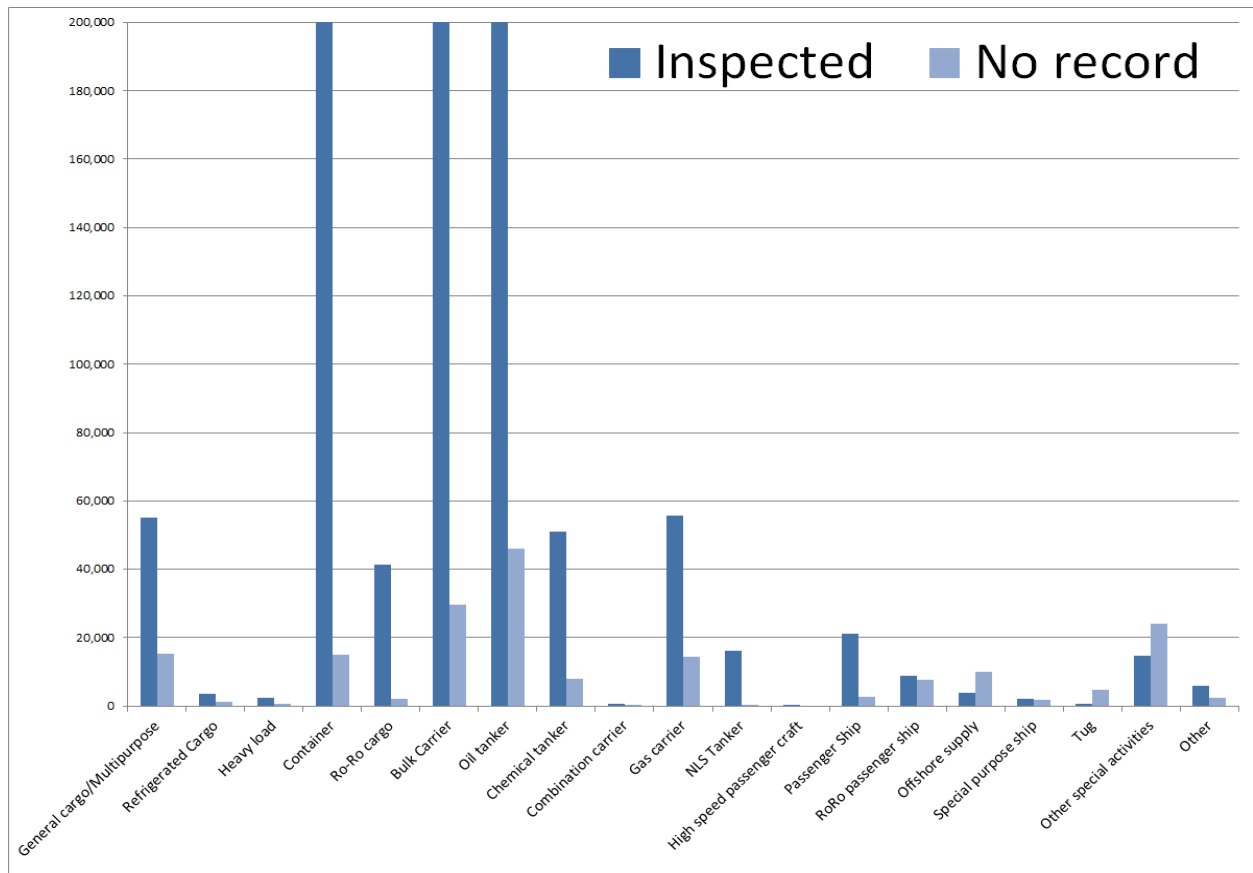
PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,806	52	2.9%	52,099	39,164	75.2%	14,040	13,604	96.9%	2,386	2,386	100.0%	70,331	55,206	78.5%
Refrigerated Cargo	183	8	4.4%	4,481	3,558	79.4%	114	33	28.9%				4,778	3,599	75.3%
Heavy load				855	702	82.1%	1,668	1,434	86.0%	371	176	47.4%	2,894	2,312	79.9%
Container	8		0.0%	25,006	21,514	86.0%	56,521	52,738	93.3%	147,528	139,786	94.8%	229,063	214,038	93.4%
Ro-Ro cargo	12	3	25.0%	5,464	3,820	69.9%	23,758	23,565	99.2%	14,129	13,924	98.5%	43,363	41,312	95.3%
Bulk Carrier	1		0.0%	51,065	44,475	87.1%	212,027	195,490	92.2%	169,392	162,831	96.1%	432,485	402,796	93.1%
Oil tanker	557	15	2.7%	16,804	7,436	44.3%	60,663	52,233	86.1%	189,285	161,601	85.4%	267,309	221,285	82.8%
Chemical tanker	168	1	0.6%	26,697	22,528	84.4%	32,065	28,603	89.2%				58,930	51,132	86.8%
Combination carrier				209	113	54.1%	262	262	100.0%	568	325	57.2%	1,039	700	67.4%
Gas carrier	14		0.0%	6,850	5,500	80.3%	13,159	12,153	92.4%	50,063	37,999	75.9%	70,086	55,652	79.4%
NLS Tanker	1		0.0%	1,187	1,178	99.2%	4,853	4,853	100.0%	10,141	10,141	100.0%	16,182	16,172	99.9%
High speed passenger craft	9	9	100.0%	211	211	100.0%							220	220	100.0%
Passenger Ship	753	30	4.0%	2,153	1,145	53.2%	2,772	2,682	96.8%	18,140	17,265	95.2%	23,818	21,122	88.7%
RoRo passenger ship	247	2	0.8%	8,956	2,668	29.8%	6,966	5,725	82.2%	278	278	100.0%	16,447	8,673	52.7%
Offshore supply	676	23	3.4%	12,222	3,592	29.4%	565	113	20.0%	302	172	57.0%	13,765	3,900	28.3%
Special purpose ship	138	12	8.7%	2,392	1,208	50.5%	649	408	62.9%	760	505	66.4%	3,939	2,133	54.2%
Tug	4,165	207	5.0%	1,158	348	30.1%							5,323	555	10.4%
Other special activities	726	93	12.8%	8,981	3,670	40.9%	9,671	6,309	65.2%	19,383	4,630	23.9%	38,761	14,702	37.9%
Other	113	7	6.2%	2,758	1,398	50.7%	3,757	3,497	93.1%	1,463	905	61.9%	8,091	5,807	71.8%
Total	9,577	462	5%	229,548	164,228	72%	443,510	403,702	91%	624,189	552,924	89%	1,306,824	1,121,316	86%

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



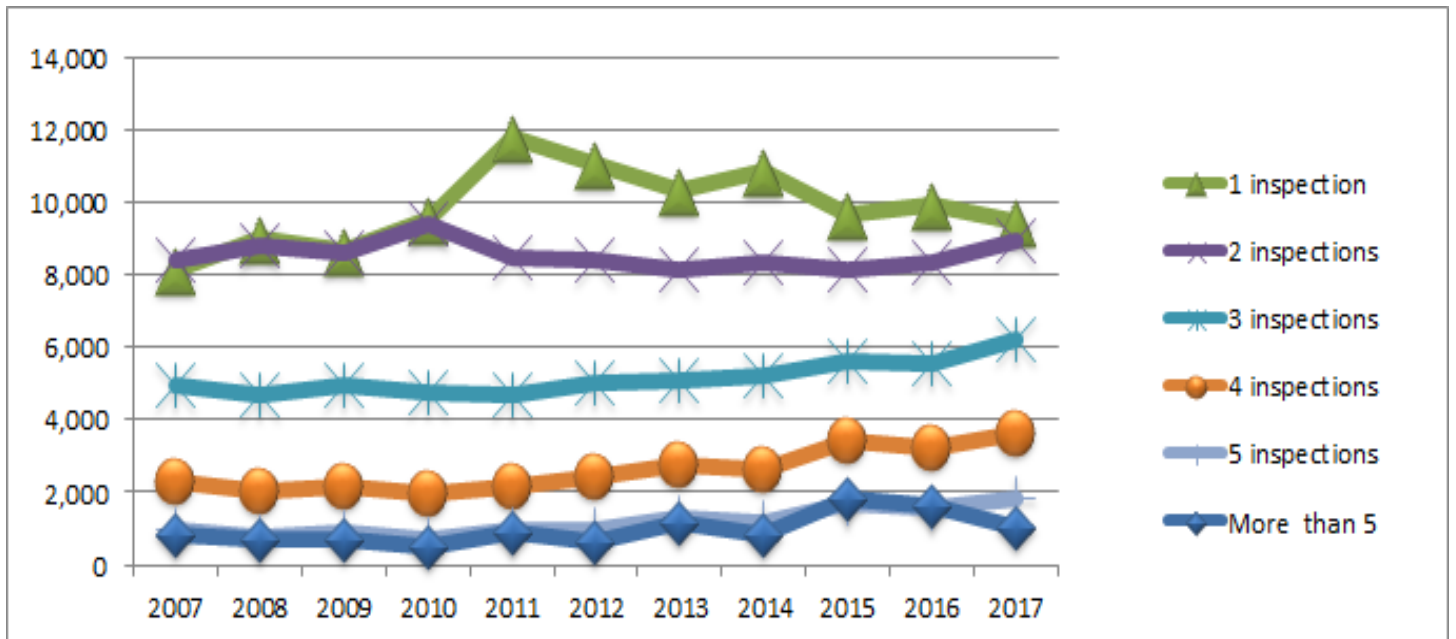
MULTIPLE INSPECTIONS (2007-2017)

Table 113 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2017

Number of inspections per ship	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1	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%	9,947	32.8%	9,460	30.5%
2	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%	8,353	27.5%	8,906	28.7%
3	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%	5,573	18.4%	6,185	19.9%
4	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%	3,252	10.7%	3,609	11.6%
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%	1,590	5.2%	1,820	5.9%
More than 5	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%	1,622	5.3%	1,039	3.3%
Total	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%	30,337	100%	31,019	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 – 2007-2017



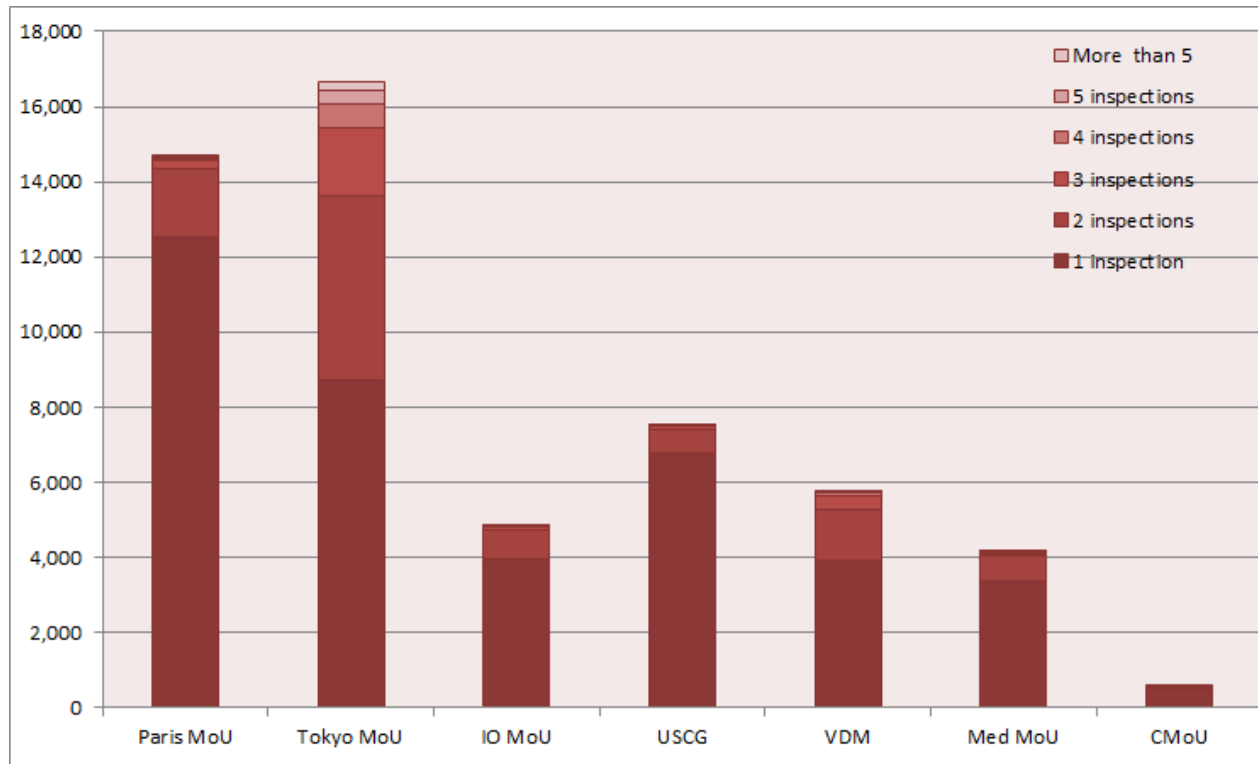
^(*) Existing ship types in Equasis

INSPECTION FREQUENCY BY PSC REGIONS (2017)

Table 114 - Total number of individual ships inspected^(*), by number of inspection per ship and by PSC region - 2017

Number of inspections per ship	Number of individual ships inspected														Overall inspections	
	PMoU		TMoU		IOMoU		USCG		VdMoU		MedMoU		CMoU			
1	12,519	85.5%	8,709	52.3%	3,976	82.7%	6,791	90.3%	3,915	68.0%	3,358	81.1%	512	92.1%	10,172	33.0%
2	1,816	12.4%	4,904	29.4%	747	15.5%	623	8.3%	1,357	23.6%	682	16.5%	40	7.2%	9,281	30.1%
3	251	1.7%	1,815	10.9%	83	1.7%	80	1.1%	352	6.1%	77	1.9%	4	0.7%	6,040	19.6%
4	49	0.3%	653	3.9%	3	0.1%	18	0.2%	94	1.6%	18	0.4%			3,156	10.2%
5	6	0.0%	369	2.2%	1	0.0%	3	0.0%	25	0.4%	4	0.1%			1,443	4.7%
More than 5	2	0.0%	208	1.2%			2	0.0%	13	0.2%	3	0.1%			719	2.3%
Total	14,643	100%	16,658	100%	4,810	100%	7,517	100%	5,756	100%	4,142	100%	556	100%	30,811	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 - 2017

(*) All existing ship types in Equasis

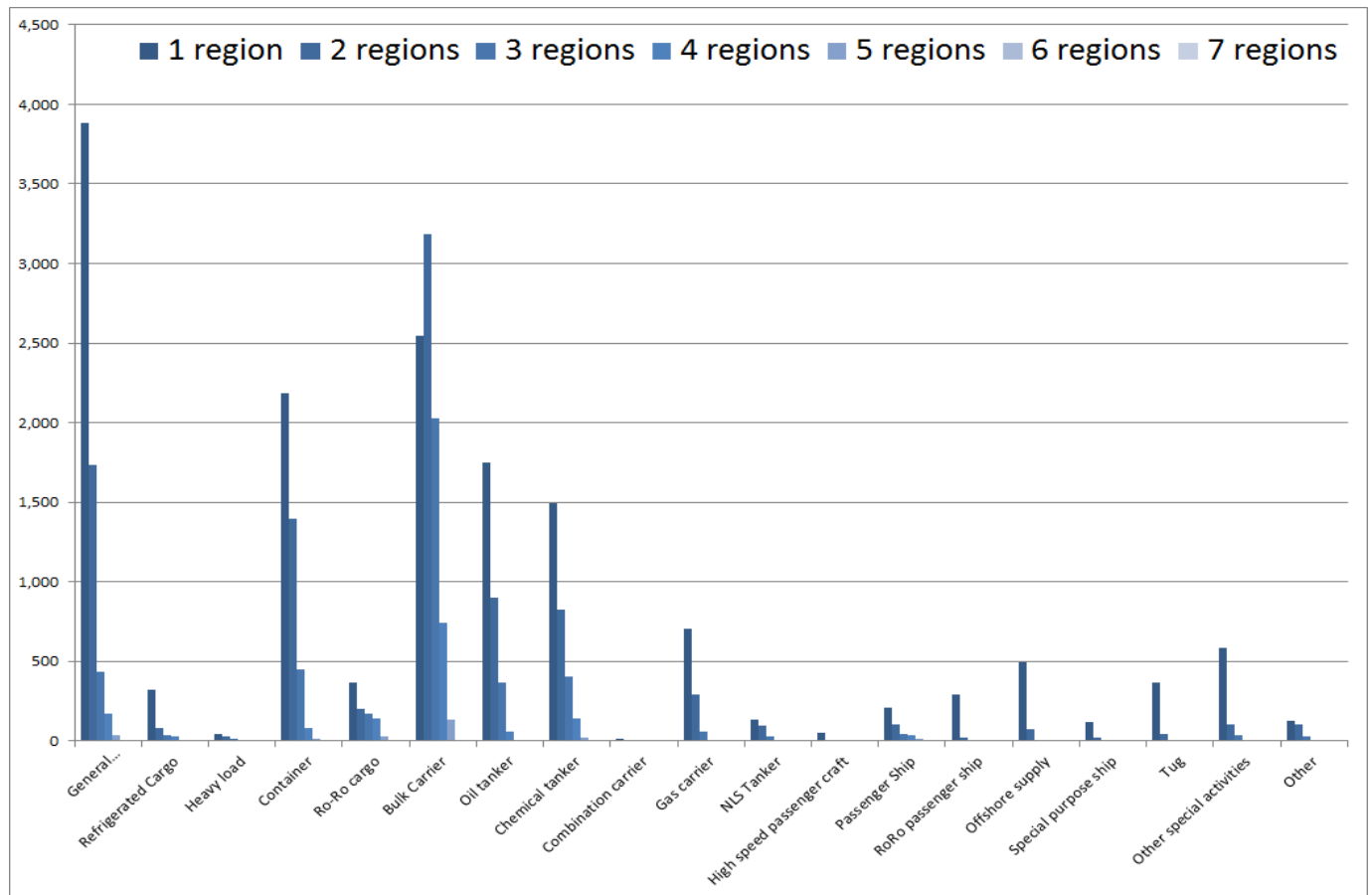
INSPECTIONS IN MORE THAN ONE REGION (2017)

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	3,880	24.7%	1,732	18.8%	431	10.5%	175	12.3%	35	13.5%	3	18.8%		
Refrigerated Cargo	323	2.1%	78	0.8%	37	0.9%	27	1.9%	8	3.1%	2	12.5%		
Heavy load	42	0.3%	27	0.3%	10	0.2%	1	0.1%	1	0.4%				
Container	2,185	13.9%	1,394	15.1%	452	11.0%	83	5.8%	11	4.2%				
Ro-Ro cargo	363	2.3%	198	2.2%	171	4.2%	142	9.9%	32	12.3%	2	12.5%		
Bulk Carrier	2,549	16.2%	3,186	34.6%	2,030	49.4%	742	52.0%	135	51.9%	6	37.5%		
Oil tanker	1,748	11.1%	898	9.8%	369	9.0%	59	4.1%	5	1.9%				
Chemical tanker	1,494	9.5%	827	9.0%	402	9.8%	142	9.9%	19	7.3%	2	12.5%		
Combination carrier	12	0.1%	4	0.0%	3	0.1%								
Gas carrier	706	4.5%	291	3.2%	59	1.4%	9	0.6%	3	1.2%				
NLS Tanker	136	0.9%	99	1.1%	28	0.7%	3	0.2%						
High speed passenger craft	50	0.3%	6	0.1%	0	0.0%								
Passenger Ship	210	1.3%	101	1.1%	45	1.1%	35	2.5%	10	3.8%				
RoRo passenger ship	292	1.9%	21	0.2%	1	0.0%					1	6.3%		
Offshore supply	497	3.2%	75	0.8%	4	0.1%								
Special purpose ship	122	0.8%	23	0.2%	4	0.1%								
Tug	363	2.3%	42	0.5%	1	0.0%								
Other special activities	588	3.7%	105	1.1%	33	0.8%	3	0.2%						
Other	130	0.8%	100	1.1%	26	0.6%	7	0.5%	1					
Total	15,690	100%	9,207	100%	4,106	100%	1,428	100%	260	100%	16	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 2015 AND 2017 – BY AGE

WHOLE FLEET GT≥500

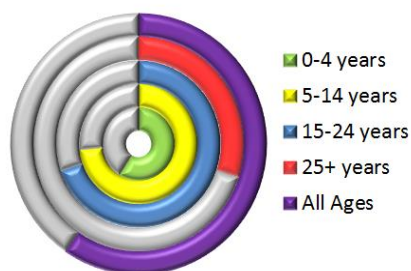
Table 116 - Total number of ships GT≥500 with and without inspections, by PSC type and age

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	937	394	42.0%	4,285	2,882	67.3%	2,267	1,625	71.7%	5,209	2,132	40.9%	12,698	7,033	55.4%
Refrigerated Cargo	60	8	13.3%	59	31	52.5%	174	138	79.3%	703	394	56.0%	996	571	57.3%
Heavy load	24	12	50.0%	49	40	81.6%	15	14	93.3%	31	28	90.3%	119	94	79.0%
Container	811	612	75.5%	2,690	2,540	94.4%	1,302	1,144	87.9%	222	116	52.3%	5,025	4,412	87.8%
Ro-Ro cargo	142	108	76.1%	522	487	93.3%	325	266	81.8%	281	156	55.5%	1,270	1,017	80.1%
Bulk Carrier	2,286	1,974	86.4%	6,135	5,741	93.6%	1,496	1,420	94.9%	380	177	46.6%	10,297	9,312	90.4%
Oil tanker	1,004	499	49.7%	3,251	2,343	72.1%	1,342	803	59.8%	1,944	228	11.7%	7,541	3,873	51.4%
Chemical tanker	763	565	74.0%	2,291	1,928	84.2%	767	636	82.9%	535	135	25.2%	4,356	3,264	74.9%
Combination carrier	3	1	33.3%	11	9	81.8%	13	12	92.3%	28	3	10.7%	55	25	45.5%
Gas carrier	441	320	72.6%	721	605	83.9%	374	270	72.2%	323	111	34.4%	1,859	1,306	70.3%
NLS Tanker	71	71	100.0%	163	163	100.0%	88	88	100.0%	17	10	58.8%	339	332	97.9%
High speed passenger craft	3	3	100.0%	6	6	100.0%	37	37	100.0%	1	1	100.0%	47	47	100.0%
Passenger Ship	77	38	49.4%	201	92	45.8%	285	115	40.4%	416	136	32.7%	979	381	38.9%
RoRo passenger ship	242	23	9.5%	446	76	17.0%	445	118	26.5%	1,010	163	16.1%	2,143	380	17.7%
Offshore supply	902	207	22.9%	2,269	512	22.6%	497	130	26.2%	1,190	158	13.3%	4,858	1,004	20.7%
Special purpose ship	65	31	47.7%	128	63	49.2%	77	35	45.5%	341	69	20.2%	611	198	32.4%
Tug	140	28	20.0%	349	108	30.9%	114	18	15.8%	474	45	9.5%	1,077	199	18.5%
Other special activities	540	143	26.5%	895	384	42.9%	427	145	34.0%	1,396	268	19.2%	3,258	940	28.9%
Other	60	26	43.3%	181	107	59.1%	116	74	63.8%	320	116	36.3%	677	323	47.7%
Total	8,571	5,063	59%	24,652	18,117	73%	10,161	7,088	70%	14,821	4,446	30%	58,205	34,711	60%

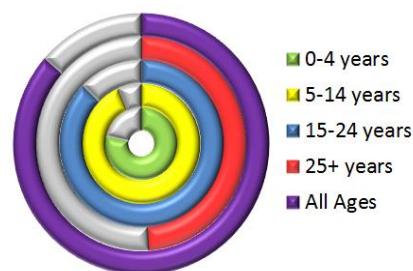
Table 117 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and age

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	8,847	6,897	78.0%	31,213	27,944	89.5%	14,117	12,418	88.0%	14,346	7,894	55.0%	68,523	55,153	80.5%
Refrigerated Cargo	287	80	27.9%	297	248	83.5%	1,137	1,076	94.6%	2,874	2,188	76.1%	4,595	3,592	78.2%
Heavy load	736	384	52.2%	942	797	84.6%	238	193	81.1%	978	938	95.9%	2,894	2,312	79.9%
Container	63,645	53,367	83.9%	127,037	125,038	98.4%	34,914	33,295	95.4%	3,459	2,337	67.6%	229,055	214,037	93.4%
Ro-Ro cargo	6,863	6,382	93.0%	24,198	23,842	98.5%	9,636	9,107	94.5%	2,654	1,978	74.5%	43,351	41,309	95.3%
Bulk Carrier	104,439	89,836	86.0%	265,035	256,152	96.6%	51,651	49,622	96.1%	11,359	7,187	63.3%	432,484	402,797	93.1%
Oil tanker	49,665	33,371	67.2%	151,574	139,289	91.9%	57,052	46,856	82.1%	8,461	1,753	20.7%	266,752	221,269	82.9%
Chemical tanker	15,223	12,430	81.7%	32,717	29,908	91.4%	9,015	8,144	90.3%	1,808	648	35.8%	58,763	51,130	87.0%
Combination carrier	59	52	88.1%	363	187	51.5%	476	405	85.1%	141	56	39.7%	1,039	700	67.4%
Gas carrier	22,788	15,884	69.7%	33,311	30,069	90.3%	10,158	7,125	70.1%	3,815	2,574	67.5%	70,072	55,652	79.4%
NLS Tanker	4,498	4,498	100.0%	6,755	6,755	100.0%	4,810	4,810	100.0%	117	108	92.3%	16,180	16,171	99.9%
High speed passenger craft	13	13	100.0%	35	35	100.0%	160	160	100.0%	3	3	100.0%	211	211	100.0%
Passenger Ship	4,502	3,562	79.1%	8,027	7,802	97.2%	7,334	7,041	96.0%	3,202	2,686	83.9%	23,065	21,091	91.4%
RoRo passenger ship	1,317	326	24.8%	4,369	2,327	53.3%	4,852	3,027	62.4%	5,660	2,990	52.8%	16,198	8,670	53.5%
Offshore supply	3,863	986	25.5%	6,133	1,935	31.6%	1,299	490	37.7%	1,793	466	26.0%	13,088	3,764	28.8%
Special purpose ship	872	721	82.7%	1,113	804	72.2%	653	304	46.6%	1,163	291	25.0%	3,801	2,120	55.8%
Tug	166	64	38.6%	453	200	44.2%	113	34	30.1%	425	50	11.8%	1,157	348	30.1%
Other special activities	10,959	5,736	52.3%	9,921	5,039	50.8%	6,007	2,235	37.2%	11,149	1,599	14.3%	38,036	14,609	38.4%
Other	1,412	526	37.3%	3,451	2,927	84.8%	1,594	1,440	90.3%	1,522	908	59.7%	7,979	5,801	72.7%
Total	300,154	235,115	78%	706,944	661,298	94%	215,216	187,782	87%	74,929	36,654	49%	1,297,243	1,120,736	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

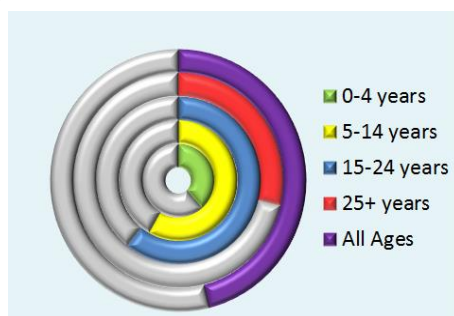
Table 118 - Total number of medium sized ships with and without inspections, by PSC type and age

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	828	294	35.5%	4,090	2,687	65.7%	2,166	1,528	70.5%	5,169	2,093	40.5%	12,253	6,602	53.9%
Refrigerated Cargo	60	8	13.3%	59	31	52.5%	173	137	79.2%	701	394	56.2%	993	570	57.4%
Heavy load	12	6	50.0%	40	32	80.0%	12	12	100.0%	6	4	66.7%	70	54	77.1%
Container	232	138	59.5%	968	845	87.3%	783	634	81.0%	172	80	46.5%	2,155	1,697	78.7%
Ro-Ro cargo	43	13	30.2%	84	52	61.9%	182	125	68.7%	260	135	51.9%	569	325	57.1%
Bulk Carrier	460	394	85.7%	1,689	1,469	87.0%	474	451	95.1%	258	120	46.5%	2,881	2,434	84.5%
Oil tanker	453	112	24.7%	1,307	524	40.1%	648	225	34.7%	1,866	207	11.1%	4,274	1,068	25.0%
Chemical tanker	400	264	66.0%	1,690	1,371	81.1%	644	523	81.2%	533	134	25.1%	3,267	2,292	70.2%
Combination carrier	2	0	0.0%	5	4	80.0%	6	6	100.0%	27	2	7.4%	40	12	30.0%
Gas carrier	173	119	68.8%	387	297	76.7%	266	188	70.7%	276	77	27.9%	1,102	681	61.8%
NLS Tanker	10	10	100.0%	65	65	100.0%	40	40	100.0%	15	8	53.3%	130	123	94.6%
High speed passenger craft	3	3	100.0%	6	6	100.0%	37	37	100.0%	1	1	100.0%	47	47	100.0%
Passenger Ship	41	9	22.0%	126	18	14.3%	194	24	12.4%	376	96	25.5%	737	147	19.9%
RoRo passenger ship	235	18	7.7%	378	23	6.1%	365	55	15.1%	960	117	12.2%	1,938	213	11.0%
Offshore supply	897	207	23.1%	2,262	511	22.6%	494	129	26.1%	1,185	155	13.1%	4,838	1,002	20.7%
Special purpose ship	62	28	45.2%	117	55	47.0%	74	34	45.9%	337	68	20.2%	590	185	31.4%
Tug	140	28	20.0%	349	108	30.9%	114	18	15.8%	474	45	9.5%	1,077	199	18.5%
Other special activities	430	81	18.8%	761	307	40.3%	358	110	30.7%	1,306	252	19.3%	2,855	750	26.3%
Other	42	19	45.2%	124	51	41.1%	89	48	53.9%	309	107	34.6%	564	225	39.9%
Total	4,523	1,751	39%	14,507	8,456	58%	7,119	4,324	61%	14,231	4,095	29%	40,380	18,626	46%

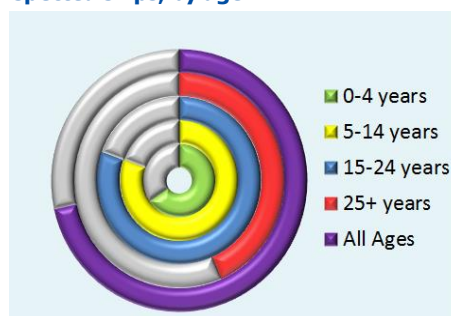
Table 119 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and age

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	4,972	3,307	66.5%	23,499	20,230	86.1%	10,550	8,963	85.0%	13,078	6,664	51.0%	52,099	39,164	75.2%
Refrigerated Cargo	287	80	27.9%	297	248	83.5%	1,104	1,043	94.5%	2,793	2,188	78.3%	4,481	3,559	79.4%
Heavy load	145	89	61.4%	531	447	84.2%	104	104	100.0%	75	62	82.7%	855	702	82.1%
Container	2,840	2,105	74.1%	11,407	10,617	93.1%	9,135	7,831	85.7%	1,624	961	59.2%	25,006	21,514	86.0%
Ro-Ro cargo	452	150	33.2%	1,057	789	74.6%	2,187	1,789	81.8%	1,768	1,092	61.8%	5,464	3,820	69.9%
Bulk Carrier	9,886	8,710	88.1%	29,952	26,731	89.2%	7,612	7,362	96.7%	3,616	1,673	46.3%	51,066	44,476	87.1%
Oil tanker	1,827	737	40.3%	6,618	3,945	59.6%	3,780	2,183	57.8%	4,579	571	12.5%	16,804	7,436	44.3%
Chemical tanker	4,446	3,516	79.1%	14,994	13,465	89.8%	5,524	4,942	89.5%	1,734	604	34.8%	26,698	22,527	84.4%
Combination carrier	7	0	0.0%	43	39	90.7%	52	52	100.0%	107	22	20.6%	209	113	54.1%
Gas carrier	1,634	1,265	77.4%	2,915	2,560	87.8%	1,523	1,261	82.8%	778	415	53.3%	6,850	5,501	80.3%
NLS Tanker	99	99	100.0%	695	695	100.0%	355	355	100.0%	37	28	75.7%	1,186	1,177	99.2%
High speed passenger craft	13	13	100.0%	35	35	100.0%	160	160	100.0%	3	3	100.0%	211	211	100.0%
Passenger Ship	105	50	47.6%	237	92	38.8%	533	240	45.0%	1,279	763	59.7%	2,154	1,145	53.2%
RoRo passenger ship	1,071	147	13.7%	1,808	253	14.0%	2,091	826	39.5%	3,984	1,441	36.2%	8,954	2,667	29.8%
Offshore supply	3,651	986	27.0%	5,866	1,909	32.5%	1,155	407	35.2%	1,549	290	18.7%	12,221	3,592	29.4%
Special purpose ship	411	260	63.3%	589	411	69.8%	365	271	74.2%	1,027	265	25.8%	2,392	1,207	50.5%
Tug	166	64	38.6%	453	200	44.2%	113	34	30.1%	425	50	11.8%	1,157	348	30.1%
Other special activities	1,718	641	37.3%	2,869	1,493	52.0%	1,396	684	49.0%	2,999	852	28.4%	8,982	3,670	40.9%
Other	290	98	33.8%	841	355	42.2%	532	403	75.8%	1,096	542	49.5%	2,759	1,398	50.7%
Total	34,020	22,317	66%	104,706	84,514	81%	48,271	38,910	81%	42,551	18,486	43%	229,548	164,227	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

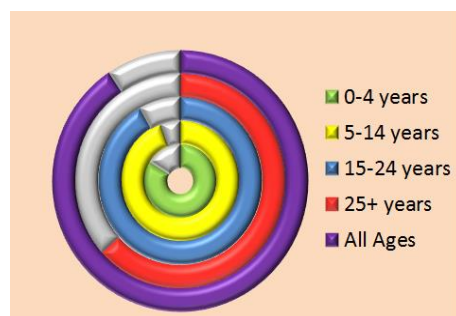
Table 120 - Total number of large ships with and without inspections, by PSC type and age

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	105	96	91.4%	173	173	100.0%	95	91	95.8%	40	39	97.5%	413	399	96.6%
Refrigerated Cargo							1	1	100.0%	2	0	0.0%	3	1	33.3%
Heavy load	9	5	55.6%	7	7	100.0%	3	2	66.7%	25	24	96.0%	44	38	86.4%
Container	172	117	68.0%	942	915	97.1%	321	312	97.2%	50	36	72.0%	1,485	1,380	92.9%
Ro-Ro cargo	35	32	91.4%	313	310	99.0%	122	122	100.0%	21	21	100.0%	491	485	98.8%
Bulk Carrier	1,441	1,248	86.6%	3,326	3,154	94.8%	869	817	94.0%	89	25	28.1%	5,725	5,244	91.6%
Oil tanker	113	82	72.6%	941	875	93.0%	369	301	81.6%	66	18	27.3%	1,489	1,276	85.7%
Chemical tanker	363	301	82.9%	601	557	92.7%	123	113	91.9%	2	1	50.0%	1,089	972	89.3%
Combination carrier	1	1	100.0%	5	5	100.0%	1	1	100.0%	1	1	100.0%	8	8	100.0%
Gas carrier	132	114	86.4%	103	102	99.0%	42	41	97.6%	28	21	75.0%	305	278	91.1%
NLS Tanker	37	37	100.0%	57	57	100.0%	26	26	100.0%	2	2	100.0%	122	122	100.0%
High speed passenger craft															
Passenger Ship	9	7	77.8%	6	6	100.0%	23	23	100.0%	31	31	100.0%	69	67	97.1%
RoRo passenger ship	7	5	71.4%	64	49	76.6%	80	63	78.8%	50	46	92.0%	201	163	81.1%
Offshore supply	4	0	0.0%	6	1	16.7%	2	0	0.0%	4	2	50.0%	16	0	0.0%
Special purpose ship	2	2	100.0%	10	7	70.0%	1	1	100.0%	4	1	25.0%	17	11	64.7%
Tug															
Other special activities	49	32	65.3%	94	71	75.5%	45	33	73.3%	30	12	40.0%	218	148	67.9%
Other	5	2	40.0%	48	47	97.9%	27	26	96.3%	11	9	81.8%	91	84	92.3%
Total	2,484	2,081	84%	6,696	6,336	95%	2,150	1,973	92%	456	289	63%	11,786	10,676	91%

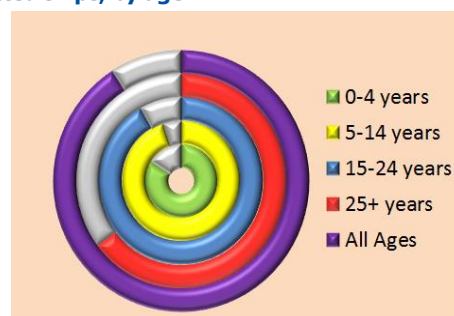
Table 121 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and age

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	3,522	3,237	91.9%	6,140	6,140	100.0%	3,109	2,997	96.4%	1,268	1,230	97.0%	14,039	13,604	96.9%
Refrigerated Cargo							33	33	100.0%	81	0	0.0%	114	33	28.9%
Heavy load	373	210	56.3%	258	258	100.0%	134	89	66.4%	903	876	97.0%	1,668	1,433	85.9%
Container	6,242	4,441	71.1%	37,233	36,024	96.8%	11,212	10,897	97.2%	1,835	1,376	75.0%	56,522	52,738	93.3%
Ro-Ro cargo	1,738	1,633	94.0%	15,112	15,024	99.4%	6,022	6,022	100.0%	886	886	100.0%	23,758	23,565	99.2%
Bulk Carrier	54,236	47,093	86.8%	125,309	119,772	95.6%	29,280	27,589	94.2%	3,201	1,036	32.4%	212,026	195,490	92.2%
Oil tanker	4,342	3,083	71.0%	38,035	35,365	93.0%	15,797	13,032	82.5%	2,489	753	30.3%	60,663	52,233	86.1%
Chemical tanker	10,777	8,914	82.7%	17,723	16,443	92.8%	3,491	3,202	91.7%	74	44	59.5%	32,065	28,603	89.2%
Combination carrier	52	52	100.0%	148	148	100.0%	28	28	100.0%	34	34	100.0%	262	262	100.0%
Gas carrier	5,518	4,905	88.9%	4,577	4,530	99.0%	1,827	1,784	97.6%	1,237	934	75.5%	13,159	12,153	92.4%
NLS Tanker	1,514	1,514	100.0%	2,043	2,043	100.0%	1,216	1,216	100.0%	80	80	100.0%	4,853	4,853	100.0%
High speed passenger craft															
Passenger Ship	419	329	78.5%	215	215	100.0%	852	852	100.0%	1,286	1,286	100.0%	2,772	2,682	96.8%
RoRo passenger ship	246	179	72.8%	2,283	1,796	78.7%	2,761	2,201	79.7%	1,676	1,549	92.4%	6,966	5,725	82.2%
Offshore supply	142	0	0.0%	207	26	12.6%	61	0	0.0%	155	87	56.1%	565	0	0.0%
Special purpose ship	58	58	100.0%	422	291	69.0%	33	33	100.0%	136	26	19.1%	649	408	62.9%
Tug															
Other special activities	2,233	1,415	63.4%	4,316	3,143	72.8%	1,891	1,310	69.3%	1,231	441	35.8%	9,671	6,309	65.2%
Other	208	72	34.6%	2,061	2,023	98.2%	1,062	1,037	97.6%	426	366	85.9%	3,757	3,498	93.1%
Total	91,620	77,135	84%	256,082	243,241	95%	78,809	72,322	92%	16,998	11,004	65%	443,509	403,589	91%

Graph 111 - Proportion of large inspected ships, by age



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



VERY LARGE SHIPS

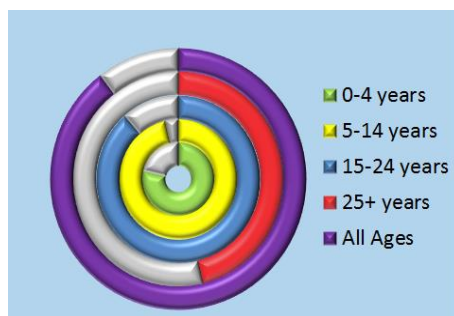
Table 122 - Total number of very large ships with and without inspections, by age and size

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	4	4	100.0%	22	22	100.0%	6	6	100.0%				32	32	100.0%
Refrigerated Cargo															
Heavy load	3	1	33.3%	2	1	50.0%							5	2	40.0%
Container	407	357	87.7%	780	780	100.0%	198	198	100.0%				1,385	1,335	96.4%
Ro-Ro cargo	64	63	98.4%	125	125	100.0%	21	19	90.5%				210	207	98.6%
Bulk Carrier	385	332	86.2%	1,120	1,118	99.8%	153	152	99.3%	33	32	97.0%	1,691	1,634	96.6%
Oil tanker	438	305	69.6%	1,003	944	94.1%	325	277	85.2%	12	3	25.0%	1,778	1,529	86.0%
Chemical tanker															
Combination carrier				1		0.0%	6	5	83.3%				7	5	71.4%
Gas carrier	136	87	64.0%	231	206	89.2%	66	41	62.1%	19	13	68.4%	452	347	76.8%
NLS Tanker	24	24	100.0%	41	41	100.0%	22	22	100.0%				87	87	100.0%
High speed passenger craft															
Passenger Ship	27	22	81.5%	69	68	98.6%	68	68	100.0%	9	9	100.0%	173	167	96.5%
RoRo passenger ship				4	4	100.0%							4	4	100.0%
Offshore supply	1		0.0%	1		0.0%	1	1	100.0%	1	1	100.0%	4	2	50.0%
Special purpose ship	1	1	100.0%	1	1	100.0%	2		0.0%				4	2	50.0%
Tug															
Other special activities	61	30	49.2%	40	6	15.0%	24	2	8.3%	60	4	6.7%	185	42	22.7%
Other	13	5	38.5%	9	9	100.0%							22	14	63.6%
Total	1,564	1,231	79%	3,449	3,325	96%	892	791	89%	134	62	46%	6,039	5,409	90%

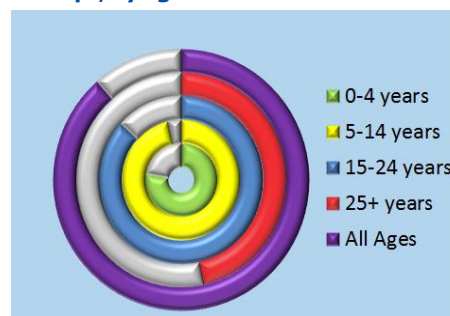
Table 123 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by age and size

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	353	353	100.0%	1,574	1,574	100.0%	458	458	100.0%				2,385	2,385	100.0%
Refrigerated Cargo															
Heavy load	218	85	39.0%	153	92	60.1%							371	177	47.7%
Container	54,563	46,821	85.8%	78,397	78,397	100.0%	14,567	14,567	100.0%				147,527	139,785	94.8%
Ro-Ro cargo	4,673	4,599	98.4%	8,029	8,029	100.0%	1,427	1,296	90.8%				14,129	13,924	98.5%
Bulk Carrier	40,317	34,033	84.4%	109,774	109,649	99.9%	14,759	14,671	99.4%	4,542	4,478	98.6%	169,392	162,831	96.1%
Oil tanker	43,496	29,551	67.9%	106,921	99,979	93.5%	37,475	31,641	84.4%	1,393	429	30.8%	189,285	161,600	85.4%
Chemical tanker															
Combination carrier				172		0.0%	396	325	82.1%				568	325	57.2%
Gas carrier	15,636	9,714	62.1%	25,819	22,979	89.0%	6,808	4,080	59.9%	1,800	1,225	68.1%	50,063	37,998	75.9%
NLS Tanker	2,885	2,885	100.0%	4,017	4,017	100.0%	3,239	3,239	100.0%				10,141	10,141	100.0%
High speed passenger craft															
Passenger Ship	3,978	3,183	80.0%	7,575	7,495	98.9%	5,949	5,949	100.0%	637	637	100.0%	18,139	17,264	95.2%
RoRo passenger ship				278	278	100.0%							278	278	100.0%
Offshore supply	70		0.0%	60		0.0%	83	83	100.0%	89	89	100.0%	302	172	57.0%
Special purpose ship	403	403	100.0%	102	102	100.0%	255		0.0%				760	505	66.4%
Tug															
Other special activities	7,008	3,680	52.5%	2,736	403	14.7%	2,720	241	8.9%	6,919	306	4.4%	19,383	4,630	23.9%
Other	914	356	38.9%	549	549	100.0%							1,463	905	61.9%
Total	174,514	135,663	78%	346,156	333,543	96%	88,136	76,550	87%	15,380	7,164	47%	624,186	552,920	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 2015 AND 2017 – BY P&I

WHOLE FLEET GT≥500

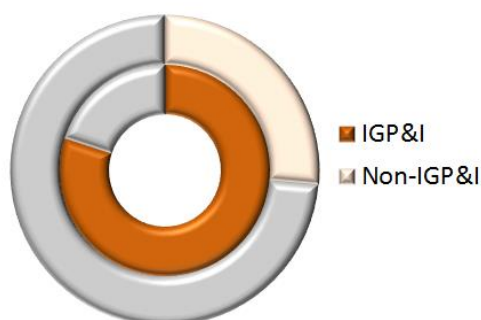
Table 124 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	4,337	3,773	87.0%	8,361	3,260	39.0%	12,698	7,033	55.4%
Refrigerated Cargo	356	292	82.0%	640	279	43.6%	996	571	57.3%
Heavy load	94	85	90.4%	25	9	36.0%	119	94	79.0%
Container	4,438	4,147	93.4%	587	265	45.1%	5,025	4,412	87.8%
Ro-Ro cargo	920	878	95.4%	350	139	39.7%	1,270	1,017	80.1%
Bulk Carrier	9,156	8,757	95.6%	1,141	555	48.6%	10,297	9,312	90.4%
Oil tanker	4,913	3,571	72.7%	2,628	302	11.5%	7,541	3,873	51.4%
Chemical tanker	3,533	3,052	86.4%	823	212	25.8%	4,356	3,264	74.9%
Combination carrier	28	21	75.0%	27	4	14.8%	55	25	45.5%
Gas carrier	1,469	1,239	84.3%	390	67	17.2%	1,859	1,306	70.3%
NLS Tanker	316	316	100.0%	23	16	69.6%	339	332	97.9%
High speed passenger craft	34	34	100.0%	13	13	100.0%	47	47	100.0%
Passenger Ship	464	333	71.8%	515	48	9.3%	979	381	38.9%
RoRo passenger ship	744	305	41.0%	1,399	75	5.4%	2,143	380	17.7%
Offshore supply	3,058	827	27.0%	1,800	180	10.0%	4,858	1,002	20.6%
Special purpose ship	229	153	66.8%	382	45	11.8%	611	198	32.4%
Tug	514	151	29.4%	563	48	8.5%	1,077	199	18.5%
Other special activities	1,170	703	60.1%	2,088	237	11.4%	3,258	940	28.9%
Other	279	221	79.2%	398	102	25.6%	677	323	47.7%
Total	36,052	28,858	80%	22,153	5,856	26%	58,205	34,709	60%

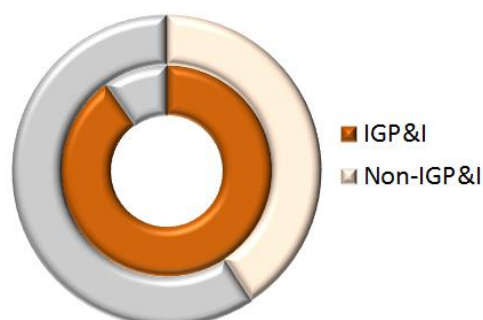
Table 125 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	45,087	42,776	94.9%	23,437	12,379	52.8%	68,524	55,155	80.5%
Refrigerated Cargo	2,513	2,269	90.3%	2,082	1,323	63.5%	4,595	3,592	78.2%
Heavy load	2,512	2,193	87.3%	382	119	31.2%	2,894	2,312	79.9%
Container	221,346	209,944	94.8%	7,709	4,093	53.1%	229,055	214,037	93.4%
Ro-Ro cargo	40,386	39,676	98.2%	2,964	1,633	55.1%	43,350	41,309	95.3%
Bulk Carrier	407,796	390,618	95.8%	24,688	12,178	49.3%	432,484	402,796	93.1%
Oil tanker	255,297	217,311	85.1%	11,457	3,960	34.6%	266,754	221,271	82.9%
Chemical tanker	55,584	49,784	89.6%	3,178	1,346	42.4%	58,762	51,130	87.0%
Combination carrier	916	639	69.8%	123	61	49.6%	1,039	700	67.4%
Gas carrier	68,947	55,366	80.3%	1,124	286	25.4%	70,071	55,652	79.4%
NLS Tanker	15,986	15,986	100.0%	194	186	95.9%	16,180	16,172	100.0%
High speed passenger craft	171	171	100.0%	40	40	100.0%	211	211	100.0%
Passenger Ship	21,891	20,772	94.9%	1,174	320	27.3%	23,065	21,092	91.4%
RoRo passenger ship	10,699	7,896	73.8%	5,501	775	14.1%	16,200	8,671	53.5%
Offshore supply	9,929	3,522	35.5%	3,160	355	11.2%	13,089	3,592	27.4%
Special purpose ship	2,755	1,956	71.0%	1,047	165	15.8%	3,802	2,121	55.8%
Tug	653	300	45.9%	505	48	9.5%	1,158	348	30.1%
Other special activities	27,377	13,295	48.6%	10,659	1,314	12.3%	38,036	14,609	38.4%
Other	6,222	5,135	82.5%	1,757	665	37.8%	7,979	5,800	72.7%
Total	1,196,067	1,079,609	90%	101,181	41,246	41%	1,297,248	1,120,570	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



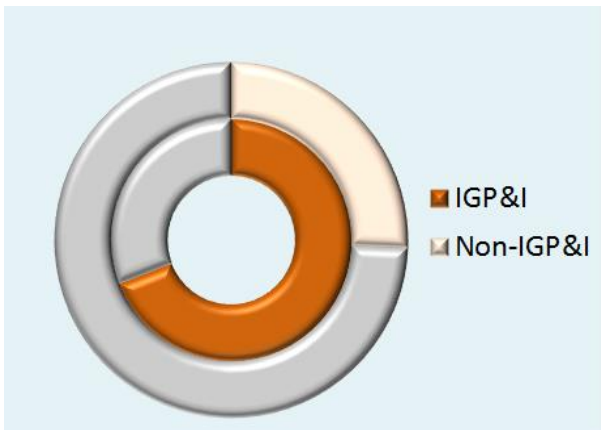
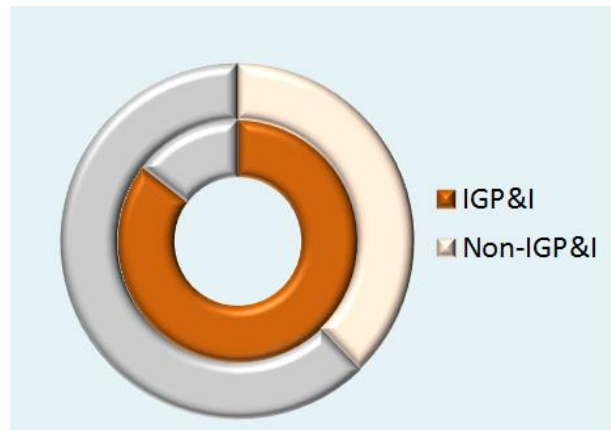
MEDIUM SHIPS

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	3,909	3,356	85.9%	8,344	3,246	38.9%	12,253	6,602	53.9%
Refrigerated Cargo	355	291	82.0%	638	279	43.7%	993	570	57.4%
Heavy load	48	46	95.8%	22	8	36.4%	70	54	77.1%
Container	1,659	1,484	89.5%	496	213	42.9%	2,155	1,697	78.7%
Ro-Ro cargo	236	203	86.0%	333	122	36.6%	569	325	57.1%
Bulk Carrier	2,185	2,087	95.5%	696	347	49.9%	2,881	2,434	84.5%
Oil tanker	1,730	813	47.0%	2,544	255	10.0%	4,274	1,068	25.0%
Chemical tanker	2,460	2,089	84.9%	807	203	25.2%	3,267	2,292	70.2%
Combination carrier	14	9	64.3%	26	3	11.5%	40	12	30.0%
Gas carrier	718	615	85.7%	384	66	17.2%	1,102	681	61.8%
NLS Tanker	111	111	100.0%	19	12	63.2%	130	123	94.6%
High speed passenger craft	34	34	100.0%	13	13	100.0%	47	47	100.0%
Passenger Ship	224	101	45.1%	513	46	9.0%	737	147	19.9%
RoRo passenger ship	548	141	25.7%	1,390	72	5.2%	1,938	213	11.0%
Offshore supply	3,041	822	27.0%	1,797	180	10.0%	4,838	1,002	20.7%
Special purpose ship	209	140	67.0%	381	45	11.8%	590	185	31.4%
Tug	514	151	29.4%	563	48	8.5%	1,077	199	18.5%
Other special activities	852	524	61.5%	2,003	226	11.3%	2,855	750	26.3%
Other	174	129	74.1%	390	96	24.6%	564	225	39.9%
Total	19,021	13,146	69%	21,359	5,480	26%	40,380	18,626	46%

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	29,155	27,186	93.2%	22,943	11,979	52.2%	52,098	39,165	75.2%
Refrigerated Cargo	2,480	2,236	90.2%	2,001	1,323	66.1%	4,481	3,559	79.4%
Heavy load	636	612	96.2%	219	90	41.1%	855	702	82.1%
Container	21,344	19,579	91.7%	3,662	1,935	52.8%	25,006	21,514	86.0%
Ro-Ro cargo	3,347	3,035	90.7%	2,116	785	37.1%	5,463	3,820	69.9%
Bulk Carrier	42,055	40,222	95.6%	9,010	4,253	47.2%	51,065	44,475	87.1%
Oil tanker	10,421	6,527	62.6%	6,384	910	14.3%	16,805	7,437	44.3%
Chemical tanker	24,000	21,459	89.4%	2,697	1,068	39.6%	26,697	22,527	84.4%
Combination carrier	120	86	71.7%	89	27	30.3%	209	113	54.1%
Gas carrier	6,078	5,257	86.5%	772	243	31.5%	6,850	5,500	80.3%
NLS Tanker	1,128	1,128	100.0%	58	50	86.2%	1,186	1,178	99.3%
High speed passenger craft	171	171	100.0%	40	40	100.0%	211	211	100.0%
Passenger Ship	1,031	877	85.1%	1,122	268	23.9%	2,153	1,145	53.2%
RoRo passenger ship	3,740	1,984	53.0%	5,216	684	13.1%	8,956	2,668	29.8%
Offshore supply	9,215	3,237	35.1%	3,007	355	11.8%	12,222	3,592	29.4%
Special purpose ship	1,400	1,043	74.5%	992	165	16.6%	2,392	1,208	50.5%
Tug	653	300	45.9%	505	48	9.5%	1,158	348	30.1%
Other special activities	4,363	3,016	69.1%	4,619	654	14.2%	8,982	3,670	40.9%
Other	1,290	960	74.4%	1,469	438	29.8%	2,759	1,398	50.7%
Total	162,627	138,915	85%	66,921	25,315	38%	229,548	164,230	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

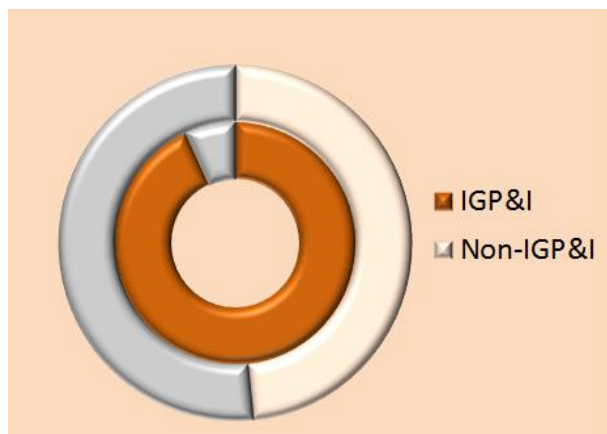
Table 128 - Total number of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	396	385	97.2%	17	14	82.4%	413	399	96.6%
Refrigerated Cargo	1	1	100.0%	2	2	100.0%	3	1	33.3%
Heavy load	43	37	86.0%	1	1	100.0%	44	38	86.4%
Container	1,400	1,330	95.0%	85	50	58.8%	1,485	1,380	92.9%
Ro-Ro cargo	476	470	98.7%	15	15	100.0%	491	485	98.8%
Bulk Carrier	5,300	5,053	95.3%	425	191	44.9%	5,725	5,244	91.6%
Oil tanker	1,433	1,246	87.0%	56	30	53.6%	1,489	1,276	85.7%
Chemical tanker	1,073	963	89.7%	16	9	56.3%	1,089	972	89.3%
Combination carrier	7	7	100.0%	1	1	100.0%	8	8	100.0%
Gas carrier	301	277	92.0%	4	1	25.0%	305	278	91.1%
NLS Tanker	118	118	100.0%	4	4	100.0%	122	122	100.0%
High speed passenger craft									
Passenger Ship	67	65	97.0%	2	2	100.0%	69	67	97.1%
RoRo passenger ship	192	160	83.3%	9	3	33.3%	201	163	81.1%
Offshore supply	14	3	21.4%	2	0	0.0%	16	16	100.0%
Special purpose ship	16	11	68.8%	1	0	0.0%	17	11	64.7%
Tug									
Other special activities	184	145	78.8%	34	3	8.8%	218	148	67.9%
Other	83	78	94.0%	8	6	75.0%	91	84	92.3%
Total	11,104	10,349	93%	682	330	48%	11,786	10,676	91%

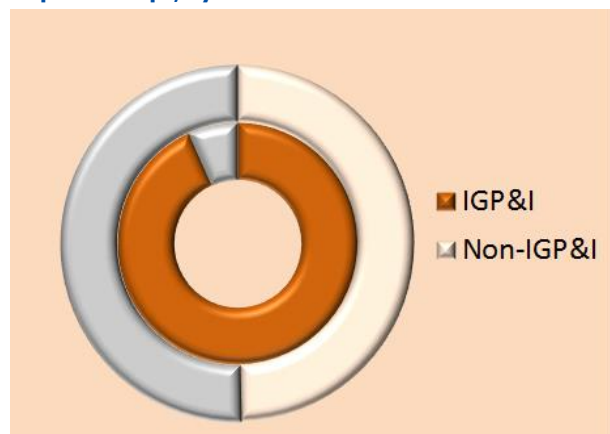
Table 129 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	13,546	13,204	97.5%	494	400	81.0%	14,040	13,604	96.9%
Refrigerated Cargo	33	33	100.0%	81	0	0.0%	114	33	28.9%
Heavy load	1,639	1,405	85.7%	29	29	100.0%	1,668	1,434	86.0%
Container	53,494	50,863	95.1%	3,027	1,875	61.9%	56,521	52,738	93.3%
Ro-Ro cargo	23,055	22,862	99.2%	703	703	100.0%	23,758	23,565	99.2%
Bulk Carrier	198,125	189,076	95.4%	13,902	6,414	46.1%	212,027	195,490	92.2%
Oil tanker	58,521	50,967	87.1%	2,143	1,267	59.1%	60,664	52,234	86.1%
Chemical tanker	31,584	28,325	89.7%	481	278	57.8%	32,065	28,603	89.2%
Combination carrier	228	228	100.0%	34	34	100.0%	262	262	100.0%
Gas carrier	13,011	12,110	93.1%	147	43	29.3%	13,158	12,153	92.4%
NLS Tanker	4,717	4,717	100.0%	136	136	100.0%	4,853	4,853	100.0%
High speed passenger craft									
Passenger Ship	2,720	2,630	96.7%	52	52	100.0%	2,772	2,682	96.8%
RoRo passenger ship	6,681	5,634	84.3%	285	91	31.9%	6,966	5,725	82.2%
Offshore supply	482	113	23.4%	83	0	0.0%	565	565	100.0%
Special purpose ship	595	408	68.6%	55	0	0.0%	650	408	62.8%
Tug									
Other special activities	8,069	6,170	76.5%	1,602	139	8.7%	9,671	6,309	65.2%
Other	3,469	3,270	94.3%	288	227	78.8%	3,757	3,497	93.1%
Total	419,969	392,015	93%	23,542	11,688	50%	443,511	403,590	91%

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



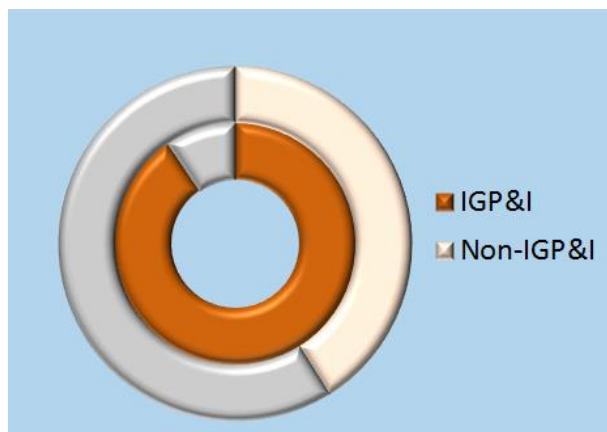
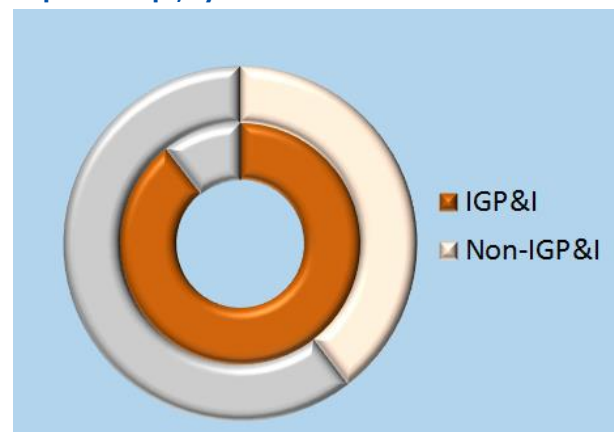
VERY LARGE SHIPS

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	32	32	100.0%				32	32	100.0%
Refrigerated Cargo									
Heavy load	3	2	66.7%	2	0.0%		5	2	40.0%
Container	1,379	1,333	96.7%	6	2	33.3%	1,385	1,335	96.4%
Ro-Ro cargo	208	205	98.6%	2	2	100.0%	210	207	98.6%
Bulk Carrier	1,671	1,617	96.8%	20	17	85.0%	1,691	1,634	96.6%
Oil tanker	1,750	1,512	86.4%	28	17	60.7%	1,778	1,529	86.0%
Chemical tanker									
Combination carrier	7	5	71.4%				7	5	71.4%
Gas carrier	450	347	77.1%	2	0.0%		452	347	76.8%
NLS Tanker	87	87	100.0%				87	87	100.0%
High speed passenger craft									
Passenger Ship	173	167	96.5%				173	167	96.5%
RoRo passenger ship	4	4	100.0%				4	4	100.0%
Offshore supply	3	2	66.7%	1	0.0%		4	2	50.0%
Special purpose ship	4	2	50.0%				4	2	50.0%
Tug									
Other special activities	134	34	25.4%	51	8	15.7%	185	42	22.7%
Other	22	14	63.6%				22	14	63.6%
Total	5,927	5,363	90%	112	46	41%	6,039	5,407	90%

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	2,386	2,386	100.0%				2,386	2,386	100.0%
Refrigerated Cargo									
Heavy load	237	176	74.3%	134	0.0%		371	176	47.4%
Container	146,508	139,502	95.2%	1,020	283	27.7%	147,528	139,785	94.8%
Ro-Ro cargo	13,984	13,779	98.5%	145	145	100.0%	14,129	13,924	98.5%
Bulk Carrier	167,616	161,320	96.2%	1,776	1,511	85.1%	169,392	162,831	96.1%
Oil tanker	186,355	159,817	85.8%	2,930	1,783	60.9%	189,285	161,600	85.4%
Chemical tanker									
Combination carrier	568	325	57.2%				568	325	57.2%
Gas carrier	49,858	37,999	76.2%	205	0.0%		50,063	37,999	75.9%
NLS Tanker	10,141	10,141	100.0%				10,141	10,141	100.0%
High speed passenger craft									
Passenger Ship	18,140	17,265	95.2%				18,140	17,265	95.2%
RoRo passenger ship	278	278	100.0%				278	278	100.0%
Offshore supply	232	172	74.1%	70	0.0%		302	172	57.0%
Special purpose ship	760	505	66.4%				760	505	66.4%
Tug									
Other special activities	14,945	4,109	27.5%	4,438	521	11.7%	19,383	4,630	23.9%
Other	1,463	905	61.9%				1,463	905	61.9%
Total	613,471	548,679	89%	10,718	4,243	40%	624,189	552,750	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 2015 AND 2017 – BY FLAG

WHOLE FLEET GT≥500

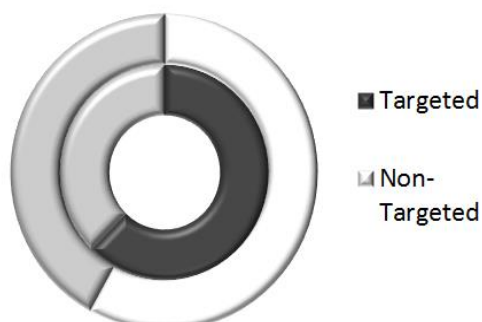
Table 132 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags		Non Targeted Flags			All Flags			
	Global	Inspected	Global	Inspected	Global	Inspected	Global	Inspected	
General cargo/Multipurpose	6,363	3,678	57.8%	6,335	3,355	53.0%	12,698	7,033	55.4%
Refrigerated Cargo	312	199	63.8%	684	372	54.4%	996	571	57.3%
Heavy load	31	28	90.3%	88	66	75.0%	119	94	79.0%
Container	1,552	1,290	83.1%	3,473	3,122	89.9%	5,025	4,412	87.8%
Ro-Ro cargo	458	375	81.9%	812	642	79.1%	1,270	1,017	80.1%
Bulk Carrier	3,917	3,762	96.0%	6,380	5,550	87.0%	10,297	9,312	90.4%
Oil tanker	2,656	1,276	48.0%	4,885	2,597	53.2%	7,541	3,873	51.4%
Chemical tanker	1,376	1,007	73.2%	2,980	2,257	75.7%	4,356	3,264	74.9%
Combination carrier	9	8	88.9%	46	17	37.0%	55	25	45.5%
Gas carrier	581	376	64.7%	1,278	930	72.8%	1,859	1,306	70.3%
NLS Tanker	106	104	98.1%	233	228	97.9%	339	332	97.9%
High speed passenger craft	21	21	100.0%	26	26	100.0%	47	47	100.0%
Passenger Ship	289	113	39.1%	690	268	38.8%	979	381	38.9%
RoRo passenger ship	738	91	12.3%	1,405	289	20.6%	2,143	380	17.7%
Offshore supply	1,192	263	22.1%	3,666	744	20.3%	4,858	1,002	20.6%
Special purpose ship	125	62	49.6%	486	136	28.0%	611	198	32.4%
Tug	210	59	28.1%	867	140	16.1%	1,077	199	18.5%
Other special activities	917	328	35.8%	2,341	612	26.1%	3,258	940	28.9%
Other	252	130	51.6%	425	193	45.4%	677	323	47.7%
Total	21,105	13,170	62%	37,100	21,544	58%	58,205	34,709	60%

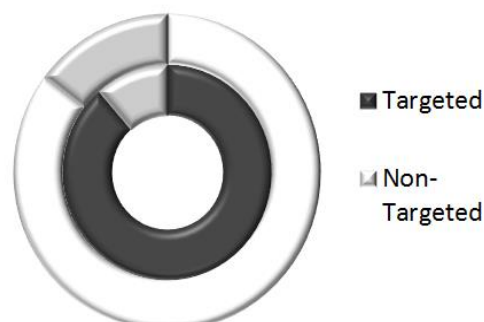
Table 133 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags		Non Targeted Flags			All Flags			
	Global	Inspected	Global	Inspected	Global	Inspected	Global	Inspected	
General cargo/Multipurpose	29,136	23,319	80.0%	39,388	31,835	80.8%	68,524	55,154	80.5%
Refrigerated Cargo	1,408	1,107	78.6%	3,187	2,484	77.9%	4,595	3,591	78.2%
Heavy load	798	777	97.4%	2,096	1,534	73.2%	2,894	2,311	79.9%
Container	59,627	55,934	93.8%	169,428	158,102	93.3%	229,055	214,036	93.4%
Ro-Ro cargo	14,678	14,114	96.2%	28,674	27,196	94.8%	43,352	41,310	95.3%
Bulk Carrier	159,406	155,007	97.2%	273,078	247,790	90.7%	432,484	402,797	93.1%
Oil tanker	91,321	74,131	81.2%	175,431	147,140	83.9%	266,752	221,271	83.0%
Chemical tanker	14,960	13,112	87.6%	43,803	38,019	86.8%	58,763	51,131	87.0%
Combination carrier	146	141	96.6%	894	560	62.6%	1,040	701	67.4%
Gas carrier	16,192	12,110	74.8%	53,879	43,542	80.8%	70,071	55,652	79.4%
NLS Tanker	5,861	5,859	100.0%	10,319	10,312	99.9%	16,180	16,171	99.9%
High speed passenger craft	89	89	100.0%	122	122	100.0%	211	211	100.0%
Passenger Ship	6,842	5,994	87.6%	16,223	15,098	93.1%	23,065	21,092	91.4%
RoRo passenger ship	3,514	1,611	45.8%	12,686	7,060	55.7%	16,200	8,671	53.5%
Offshore supply	2,730	736	27.0%	10,359	3,142	30.3%	13,089	3,593	27.5%
Special purpose ship	1,176	982	83.5%	2,625	1,139	43.4%	3,801	2,121	55.8%
Tug	221	96	43.4%	936	251	26.8%	1,157	347	30.0%
Other special activities	11,383	6,840	60.1%	26,652	7,769	29.1%	38,035	14,609	38.4%
Other	3,065	2,454	80.1%	4,914	3,345	68.1%	7,979	5,799	72.7%
Total	422,553	374,413	89%	874,694	746,440	85%	1,297,247	1,120,568	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

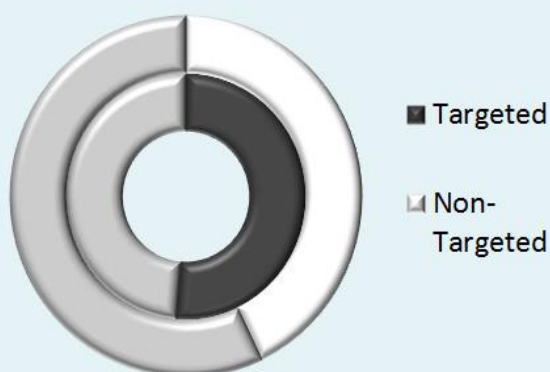
Table 134 - Total number of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	6,241	3,558	57.0%	6,012	3,044	50.6%	12,253	6,602	53.9%
Refrigerated Cargo	311	199	64.0%	682	371	54.4%	993	570	57.4%
Heavy load	15	12	80.0%	55	42	76.4%	70	54	77.1%
Container	839	604	72.0%	1,316	1,093	83.1%	2,155	1,697	78.7%
Ro-Ro cargo	213	132	62.0%	356	193	54.2%	569	325	57.1%
Bulk Carrier	1,204	1,136	94.4%	1,677	1,298	77.4%	2,881	2,434	84.5%
Oil tanker	1,604	399	24.9%	2,670	669	25.1%	4,274	1,068	25.0%
Chemical tanker	1,146	791	69.0%	2,121	1,501	70.8%	3,267	2,292	70.2%
Combination carrier	6	5	83.3%	34	7	20.6%	40	12	30.0%
Gas carrier	394	231	58.6%	708	450	63.6%	1,102	681	61.8%
NLS Tanker	39	37	94.9%	91	86	94.5%	130	123	94.6%
High speed passenger craft	21	21	100.0%	26	26	100.0%	47	47	100.0%
Passenger Ship	220	47	21.4%	517	100	19.3%	737	147	19.9%
RoRo passenger ship	708	64	9.0%	1,230	149	12.1%	1,938	213	11.0%
Offshore supply	1,188	263	22.1%	3,650	739	20.2%	4,838	1,002	20.7%
Special purpose ship	114	53	46.5%	476	132	27.7%	590	185	31.4%
Tug	210	59	28.1%	867	140	16.1%	1,077	199	18.5%
Other special activities	765	220	28.8%	2,090	530	25.4%	2,855	750	26.3%
Other	204	86	42.2%	360	139	38.6%	564	225	39.9%
Total	15,442	7,917	51%	24,938	10,709	43%	40,380	18,626	46%

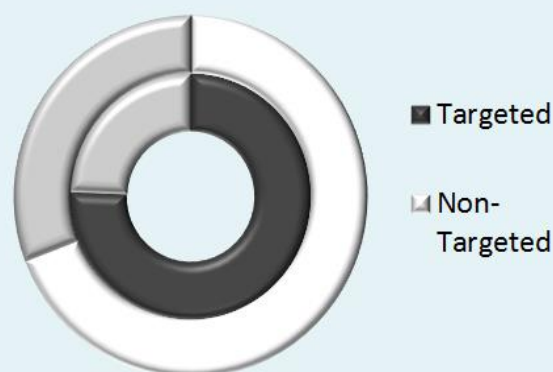
Table 135 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	24,742	18,992	76.8%	27,356	20,172	73.7%	52,098	39,164	75.2%
Refrigerated Cargo	1,359	1,107	81.5%	3,122	2,451	78.5%	4,481	3,558	79.4%
Heavy load	179	158	88.3%	676	544	80.5%	855	702	82.1%
Container	8,910	7,246	81.3%	16,096	14,268	88.6%	25,006	21,514	86.0%
Ro-Ro cargo	1,716	1,259	73.4%	3,748	2,562	68.4%	5,464	3,821	69.9%
Bulk Carrier	20,420	19,524	95.6%	30,645	24,951	81.4%	51,065	44,475	87.1%
Oil tanker	5,972	2,532	42.4%	10,832	4,905	45.3%	16,804	7,437	44.3%
Chemical tanker	8,152	6,711	82.3%	18,545	15,817	85.3%	26,697	22,528	84.4%
Combination carrier	57	52	91.2%	152	61	40.1%	209	113	54.1%
Gas carrier	2,293	1,726	75.3%	4,557	3,774	82.8%	6,850	5,500	80.3%
NLS Tanker	253	251	99.2%	933	926	99.2%	1,186	1,177	99.2%
High speed passenger craft	89	89	100.0%	122	122	100.0%	211	211	100.0%
Passenger Ship	742	293	39.5%	1,411	852	60.4%	2,153	1,145	53.2%
RoRo passenger ship	2,593	789	30.4%	6,363	1,879	29.5%	8,956	2,668	29.8%
Offshore supply	2,583	736	28.5%	9,639	2,857	29.6%	12,222	3,593	29.4%
Special purpose ship	378	280	74.1%	2,014	928	46.1%	2,392	1,208	50.5%
Tug	221	96	43.4%	936	251	26.8%	1,157	347	30.0%
Other special activities	2,310	1,079	46.7%	6,671	2,591	38.8%	8,981	3,670	40.9%
Other	876	502	57.3%	1,882	895	47.6%	2,758	1,397	50.7%
Total	83,845	63,422	76%	145,700	100,806	69%	229,545	164,228	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

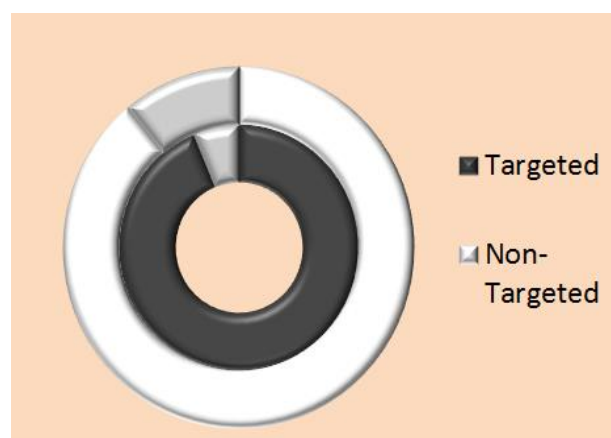
Table 136 - Total number of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	115	113	98.3%	298	286	96.0%	413	399	96.6%
Refrigerated Cargo	1		0.0%	2	1	50.0%	3	1	33.3%
Heavy load	16	16	100.0%	28	22	78.6%	44	38	86.4%
Container	362	344	95.0%	1,123	1,036	92.3%	1,485	1,380	92.9%
Ro-Ro cargo	178	177	99.4%	313	308	98.4%	491	485	98.8%
Bulk Carrier	2,052	1,972	96.1%	3,673	3,272	89.1%	5,725	5,244	91.6%
Oil tanker	455	383	84.2%	1,034	893	86.4%	1,489	1,276	85.7%
Chemical tanker	230	216	93.9%	859	756	88.0%	1,089	972	89.3%
Combination carrier	3	3	100.0%	5	5	100.0%	8	8	100.0%
Gas carrier	96	81	84.4%	209	197	94.3%	305	278	91.1%
NLS Tanker	33	33	100.0%	89	89	100.0%	122	122	100.0%
High speed passenger craft									
Passenger Ship	15	15	100.0%	54	52	96.3%	69	67	97.1%
RoRo passenger ship	30	27	90.0%	171	136	79.5%	201	163	81.1%
Offshore supply	4		0.0%	12	3	25.0%	16		0.0%
Special purpose ship	10	8	80.0%	7	3	42.9%	17	11	64.7%
Tug									
Other special activities	112	94	83.9%	106	54	50.9%	218	148	67.9%
Other	42	40	95.2%	49	44	89.8%	91	84	92.3%
Total	3,754	3,522	94%	8,032	7,157	89%	11,786	10,676	91%

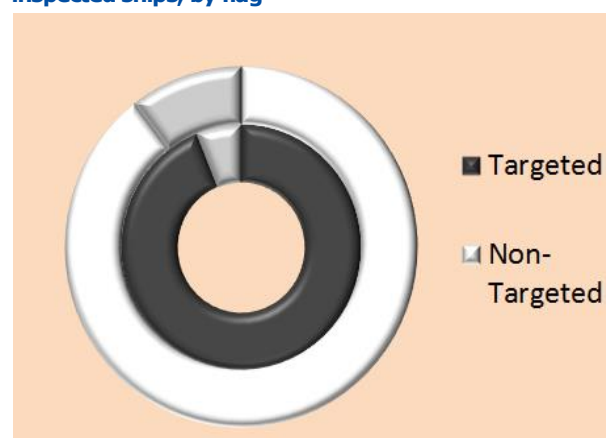
Table 137 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,858	3,791	98.3%	10,182	9,813	96.4%	14,040	13,604	96.9%
Refrigerated Cargo	49		0.0%	65	33	50.8%	114	33	28.9%
Heavy load	619	619	100.0%	1,049	814	77.6%	1,668	1,433	85.9%
Container	13,401	12,823	95.7%	43,120	39,914	92.6%	56,521	52,737	93.3%
Ro-Ro cargo	8,532	8,499	99.6%	15,227	15,066	98.9%	23,759	23,565	99.2%
Bulk Carrier	76,270	73,359	96.2%	135,757	122,131	90.0%	212,027	195,490	92.2%
Oil tanker	18,950	16,191	85.4%	41,714	36,042	86.4%	60,664	52,233	86.1%
Chemical tanker	6,808	6,401	94.0%	25,258	22,202	87.9%	32,066	28,603	89.2%
Combination carrier	89	89	100.0%	174	174	100.0%	263	263	100.0%
Gas carrier	4,211	3,621	86.0%	8,947	8,532	95.4%	13,158	12,153	92.4%
NLS Tanker	1,387	1,387	100.0%	3,466	3,466	100.0%	4,853	4,853	100.0%
High speed passenger craft									
Passenger Ship	555	555	100.0%	2,217	2,127	95.9%	2,772	2,682	96.8%
RoRo passenger ship	921	822	89.3%	6,045	4,903	81.1%	6,966	5,725	82.2%
Offshore supply	147		0.0%	418	113	27.0%	565		0.0%
Special purpose ship	395	299	75.7%	254	109	42.9%	649	408	62.9%
Tug									
Other special activities	4,863	4,009	82.4%	4,808	2,300	47.8%	9,671	6,309	65.2%
Other	1,809	1,708	94.4%	1,949	1,789	91.8%	3,758	3,497	93.1%
Total	142,864	134,173	94%	300,650	269,528	90%	443,514	403,588	91%

Graph 127 - Proportion of large inspected ships, by flag



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



VERY LARGE SHIPS

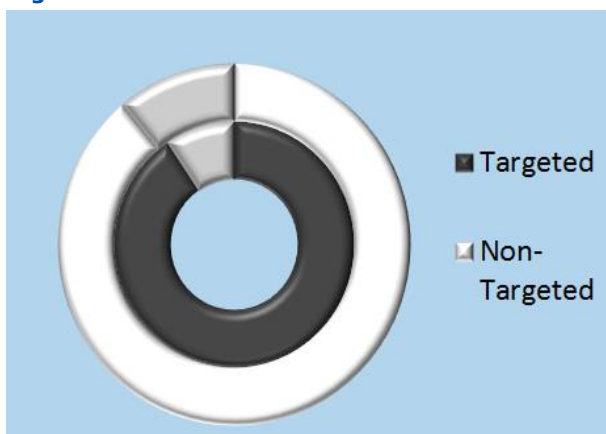
Table 138 - Total number of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	7	7	100.0%	25	25	100.0%	32	32	100.0%
Refrigerated Cargo									
Heavy load				5	2	40.0%	5	2	40.0%
Container	351	342	97.4%	1,034	993	96.0%	1,385	1,335	96.4%
Ro-Ro cargo	67	66	98.5%	143	141	98.6%	210	207	98.6%
Bulk Carrier	661	654	98.9%	1,030	980	95.1%	1,691	1,634	96.6%
Oil tanker	597	494	82.7%	1,181	1,035	87.6%	1,778	1,529	86.0%
Chemical tanker									
Combination carrier				7	5	71.4%	7	5	71.4%
Gas carrier	91	64	70.3%	361	283	78.4%	452	347	76.8%
NLS Tanker	34	34	100.0%	53	53	100.0%	87	87	100.0%
High speed passenger craft									
Passenger Ship	54	51	94.4%	119	116	97.5%	173	167	96.5%
RoRo passenger ship				4	4	100.0%	4	4	100.0%
Offshore supply				4	2	50.0%	4		0.0%
Special purpose ship	1	1	100.0%	3	1	33.3%	4	2	50.0%
Tug									
Other special activities	40	14	35.0%	145	28	19.3%	185	42	22.7%
Other	6	4	66.7%	16	10	62.5%	22	14	63.6%
Total	1,909	1,731	91%	4,130	3,678	89%	6,039	5,407	90%

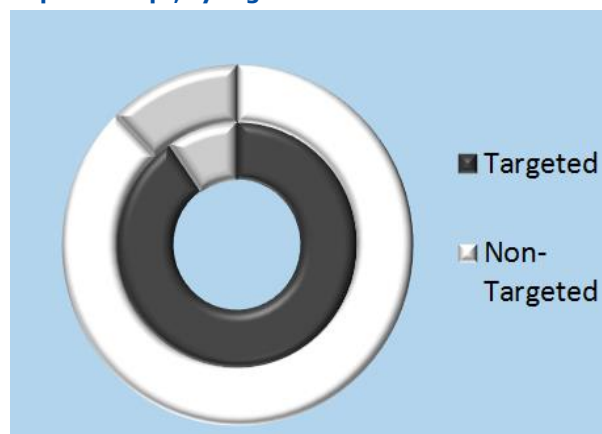
Table 139 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	536	536	100.0%	1,850	1,850	100.0%	2,386	2,386	100.0%
Refrigerated Cargo									
Heavy load				371	176	47.4%	371	176	47.4%
Container	37,316	35,865	96.1%	110,212	103,920	94.3%	147,528	139,785	94.8%
Ro-Ro cargo	4,430	4,356	98.3%	9,699	9,568	98.6%	14,129	13,924	98.5%
Bulk Carrier	62,716	62,124	99.1%	106,676	100,708	94.4%	169,392	162,832	96.1%
Oil tanker	66,399	55,408	83.4%	122,885	106,193	86.4%	189,284	161,601	85.4%
Chemical tanker									
Combination carrier				568	325	57.2%	568	325	57.2%
Gas carrier	9,688	6,763	69.8%	40,375	31,236	77.4%	50,063	37,999	75.9%
NLS Tanker	4,221	4,221	100.0%	5,920	5,920	100.0%	10,141	10,141	100.0%
High speed passenger craft									
Passenger Ship	5,545	5,146	92.8%	12,595	12,119	96.2%	18,140	17,265	95.2%
RoRo passenger ship				278	278	100.0%	278	278	100.0%
Offshore supply				302	172	57.0%	302		0.0%
Special purpose ship	403	403	100.0%	357	102	28.6%	760	505	66.4%
Tug									
Other special activities	4,210	1,752	41.6%	15,173	2,878	19.0%	19,383	4,630	23.9%
Other	380	244	64.2%	1,083	661	61.0%	1,463	905	61.9%
Total	195,844	176,818	90%	428,344	376,106	88%	624,188	552,752	89%

Graph 129 - Proportion of very large inspected ships, by flag



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



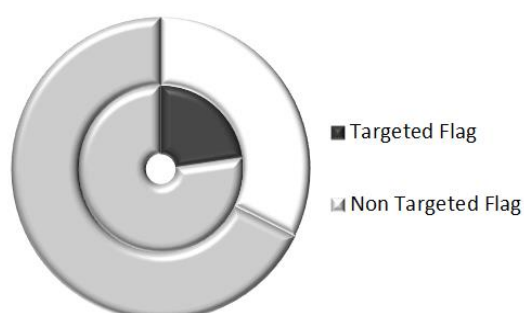
5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

WHOLE FLEET GT≥500

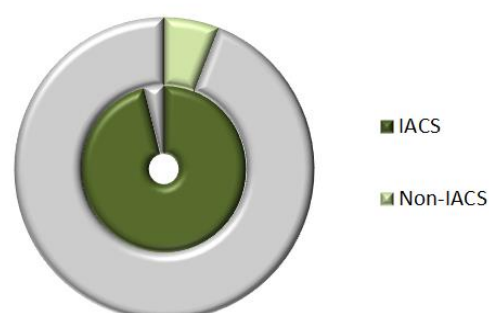
Table 140 - Total number of inspections with statutory certificates for ships GT≥500, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	37,718	8,733	7,429	34,077	4,976
Refrigerated Cargo	1,314	290	541	1,296	44
Heavy load	302	78	172	296	13
Container	11,964	2,510	4,533	11,923	200
Ro-Ro cargo	2,973	824	1,485	2,856	175
Bulk Carrier	31,080	8,669	11,001	30,914	621
Oil tanker	7,249	1,787	3,584	7,165	189
Chemical tanker	8,904	2,002	4,352	8,871	146
Combination carrier	32	4	16	31	1
Gas carrier	2,353	467	1,160	2,331	52
NLS Tanker	6,346	78	130	6,328	17
High speed passenger craft	169	87	77	164	5
Passenger Ship	2,520	202	717	2,500	35
RoRo passenger ship	1,609	290	1,176	1,566	51
Offshore supply	1,522	336	1,004	1,479	95
Special purpose ship	328	95	177	320	16
Tug	256	55	171	251	9
Other special activities	2,243	401	685	2,082	266
Other	2,627	712	891	2,341	330
Total	121,509	27,620	39,301	116,791	7,241

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

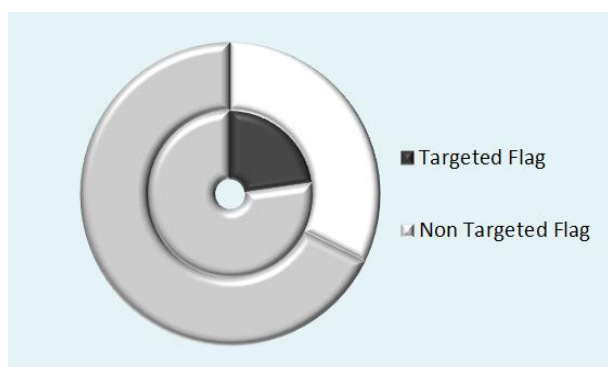


MEDIUM SIZED SHIPS

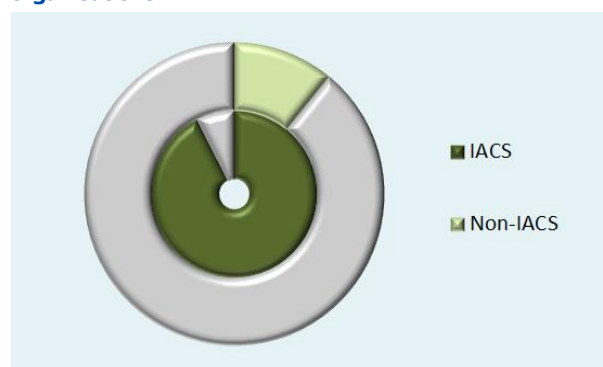
Table 141 - Total number of inspections with statutory certificates for medium sized ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	27,879	8,592	6,960	24,259	4,942
Refrigerated Cargo	1,312	290	539	1,294	44
Heavy load	223	64	130	218	11
Container	3,902	1,161	1,198	3,896	68
Ro-Ro cargo	929	254	473	814	151
Bulk Carrier	9,763	2,678	3,106	9,693	293
Oil tanker	1,556	516	779	1,481	133
Chemical tanker	5,553	1,578	2,668	5,522	126
Combination carrier	11	4	5	10	1
Gas carrier	1,438	331	653	1,419	45
NLS Tanker	1,734	61	98	1,716	17
High speed passenger craft	169	87	77	164	5
Passenger Ship	669	92	258	654	17
RoRo passenger ship	794	199	490	751	46
Offshore supply	1,516	336	1,003	1,473	95
Special purpose ship	311	85	171	303	16
Tug	256	55	171	251	9
Other special activities	1,591	219	600	1,435	256
Other	882	323	334	602	320
Total	60,488	16,925	19,713	55,955	6,595

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

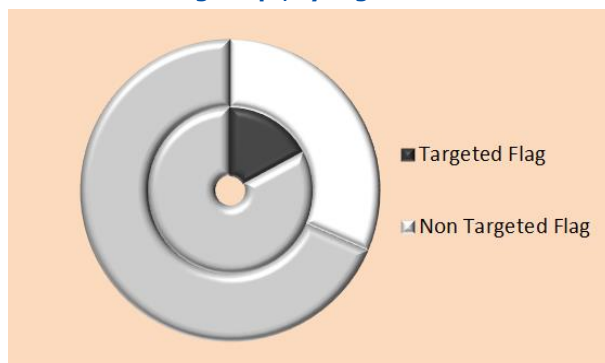


LARGE SHIPS

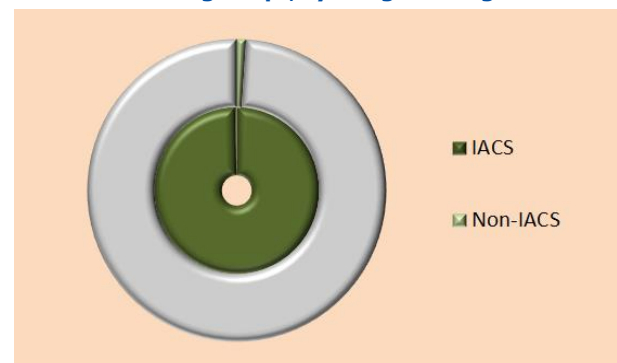
Table 142 - Total number of inspections with statutory certificates for large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	8,041	137	467	8,035	19
Refrigerated Cargo	2		2	2	
Heavy load	74	12	39	73	2
Container	4,185	727	1,759	4,174	43
Ro-Ro cargo	1,499	417	734	1,499	14
Bulk Carrier	17,034	4,442	6,226	16,963	265
Oil tanker	2,998	721	1,489	2,994	37
Chemical tanker	3,351	424	1,684	3,349	20
Combination carrier	12		5	12	
Gas carrier	393	72	195	392	4
NLS Tanker	3,301	8	23	3,301	
High speed passenger craft					
Passenger Ship	549	42	168	545	7
RoRo passenger ship	791	91	663	791	5
Offshore supply	5			5	
Special purpose ship	15	9	5	15	
Tug					
Other special activities	565	178	79	563	6
Other	1,154	288	309	1,148	8
Total	43,969	7,568	13,847	43,861	430

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

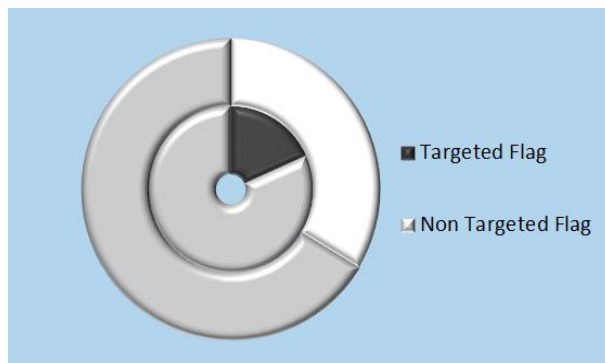


VERY LARGE SHIPS

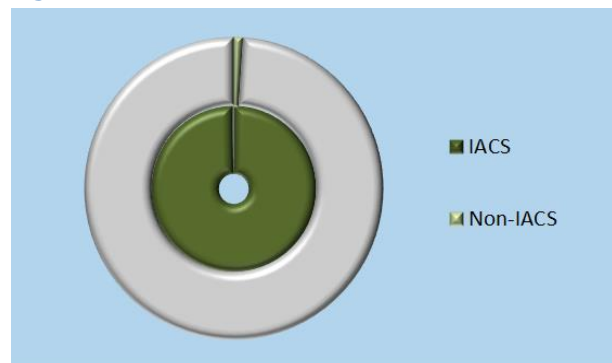
Table 143 - Total number of inspections with statutory certificates for very large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	1,798	4	2	1,783	15
Refrigerated Cargo					
Heavy load	5	2	3	5	
Container	3,877	622	1,576	3,853	89
Ro-Ro cargo	545	153	278	543	10
Bulk Carrier	4,283	1,549	1,669	4,258	63
Oil tanker	2,695	550	1,316	2,690	19
Chemical tanker					
Combination carrier	9		6	9	
Gas carrier	522	64	312	520	3
NLS Tanker	1,311	9	9	1,311	
High speed passenger craft					
Passenger Ship	1,302	68	291	1,301	11
RoRo passenger ship	24		23	24	
Offshore supply	1		1	1	
Special purpose ship	2	1	1	2	
Tug					
Other special activities	87	4	6	84	4
Other	591	101	248	591	2
Total	17,052	3,127	5,741	16,975	216

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	67,232	6,868	7,150	50,237	2,977
Load Lines	80,304	731	1,618	73,207	4,748
SOLAS/STCW	66,903	27,512	38,973	349	69
SOLAS - ISM	85,130	2,133	10,314	66,941	5,742
SOLAS - ISPS	74,344	8,780	10,140	51,069	4,355
SOLAS - IMDG	18,323	134	1,166	16,816	207
SOLAS - GC	152	1	15	135	1
SOLAS - IGC	1,190	4	30	1,153	3
SOLAS - HSC	221	3	54	160	4
SOLAS - MODU	67		6	61	
SOLAS - SPS	506	7	147	352	
SOLAS - PSCC	2,921	101	1,137	1,614	69
SOLAS - CSS	81,237	1,584	3,591	71,227	4,835
SOLAS - CSR	29,720	12,304	17,207	149	60
SOLAS - INF	284	1	9	267	7
AFS	54,633	505	1,220	51,589	1,319
Ballast WM	2,857	159	187	2,397	114
CLC	11,758	3,827	7,819	102	10
BUNKER	41,186	16,763	23,994	376	53
MARPOL - IAPP	77,852	575	1,834	71,828	3,615
MARPOL - IOPP	81,072	630	2,353	73,436	4,653
MARPOL - ISPP	71,225	525	2,253	64,736	3,711
MARPOL - EIAPP	7,808	48	282	7,433	45
MARPOL - IBC	5,025	16	62	4,937	10
MARPOL - NLS	993	3	38	948	4
MARPOL - BCH	621	6	17	591	7
MARPOL - IEEC	48,549	558	1,664	45,138	1,189
MLC, 2006	56,484	1,748	9,111	43,300	2,325
Other	4,919	712	1,226	2,833	148
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, USCG, Viña del Mar MoU, Mediterranean MoU and Caribbean MoU recorded in 2017 (please see previous comments on the Black Sea MoU, The Riyadh MoU and the Abuja MoU).

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 68% of the total ships of the relevant categories (see annex V) and about 91% in tonnage. Intertanko covers slightly over a quarter (29%) of the total number of ships but it has half (51%) 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 usually 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 Intercargo ships in all ship size categories (table 147) was 1.5% compared with 4.1% 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 Intertanko, Intermanager, Green Award, CDI and OCIMF.

Table 151 shows that slightly over a third (37.4%) of the companies included in the data collected by Equasis operate just one ship. 71% companies operate five or fewer ships and account for 30.6% 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 1.50%, while one-ship and two-ship companies had rates of 5.72% and 4.99% 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	1,114	7,057	1,485	1,508	1,298	1,008	3,897	9,573
% of Total	28.6%	73.7%	38.1%	15.8%	33.3%	10.5%		
Intercargo	378	15,099	1,167	5,016	519	1,185	2,064	21,300
% of Total	18.3%	70.9%	56.5%	23.5%	25.1%	5.6%		
InterManager	302	22,218	452	8,373	242	3,304	996	33,895
% of Total	30.3%	65.5%	45.4%	24.7%	24.3%	9.7%		
Green Award	6	11,909	33	8,905	235	3,767	274	24,581
% of Total	2.2%	48.4%	12.0%	36.2%	85.8%	15.3%		
CDI	1,646	3,020	467	1,174			2,113	4,194
% of Total	77.9%	72.0%	22.1%	28.0%				
OCIMF	4,123	4,048	2,787	206	2,158	148	9,068	4,402
% of Total	45.5%	92.0%	30.7%	4.7%	23.8%	3.4%		

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	14,334	35,675	55,412	54,713	136,925	110,641	206,671	201,029
% of Total	6.9%	17.7%	26.8%	27.2%	66.3%	55.0%		
Intercargo	7,531	98,249	43,992	184,561	52,126	118,282	103,649	401,092
% of Total	7.3%	24.5%	42.4%	46.0%	50.3%	29.5%		
InterManager	4,422	144,299	16,105	307,423	25,927	340,692	46,454	792,414
% of Total	9.5%	18.2%	34.7%	38.8%	55.8%	43.0%		
Green Award	140	106,335	1,591	329,298	25,086	392,257	26,817	827,890
% of Total	0.5%	12.8%	5.9%	39.8%	93.5%	47.4%		
CDI	15,968	20,512	16,396	36,473			32,364	56,985
% of Total	49.3%	36.0%	50.7%	64.0%				
OCIMF	35,709	14,300	102,827	7,298	232,149	15,418	370,685	37,016
% of Total	9.6%	38.6%	27.7%	19.7%	62.6%	41.7%		

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^(*)- 2017

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.7%	2.0%	1.4%	49	172	221	6,792	8,503	15,295
in % of total				22.2%	77.8%		44.4%	55.6%	
Intercargo	1.5%	4.1%	3.8%	80	1,564	1,644	5,468	38,226	43,694
in % of total				4.9%	95.1%		12.5%	87.5%	
Intermanager	0.8%	3.3%	3.2%	19	1,818	1,837	2,280	54,687	56,967
in % of total				1.0%	98.97%		4.0%	96.0%	
Green Award	0.5%	2.0%	2.0%	2	821	823	372	41,508	41,880
in % of total				0.2%	99.76%		0.9%	99.1%	
CDI	0.9%	1.8%	1.4%	36	98	134	4,114	5,416	9,530
in % of total				26.9%	73.1%		43.2%	56.8%	
OCIMF	1.0%	6.9%	1.4%	137	83	220	14,094	1,201	15,295
in % of total				62.3%	37.7%		92.1%	7.9%	

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^(*)- 2017

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.8%	2.8%	2.2%	16	137	153	1,934	4,978	6,912
in % of total				10.5%	89.5%		28.0%	72.0%	
Intercargo	1.5%	5.4%	5.2%	19	1,274	1,293	1,253	23,799	25,052
in % of total				1.5%	98.5%		5.0%	95.0%	
Intermanager	1.0%	4.7%	4.6%	7	1,418	1,425	723	30,123	30,846
in % of total				0.5%	99.51%		2.3%	97.7%	
Green Award	0.0%	2.7%	2.7%	0	415	415	6	15,542	15,548
in % of total				0.0%	100%		0.0%	100.0%	
CDI	0.9%	2.6%	1.7%	28	80	108	3,159	3,029	6,188
in % of total				25.9%	74.1%		51.1%	48.9%	
OCIMF	1.3%	6.8%	2.2%	78	74	152	5,830	1,082	6,912
in % of total				51.3%	48.7%		84.3%	15.7%	

Source: Equasis - ⁽¹⁾ 500sGT<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^(*)- 2017

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.6%	1.2%	0.9%	19	30	49	3,048	2,438	5,486
in % of total				38.8%	61.2%		55.6%	44.4%	
Intercargo	1.2%	2.0%	1.8%	39	246	285	3,252	12,376	15,628
in % of total				13.7%	86.3%		20.8%	79.2%	
Intermanager	0.9%	1.6%	1.6%	11	317	328	1,167	19,436	20,603
in % of total				3.4%	97%		5.7%	94.3%	
Green Award	0.0%	1.6%	1.6%	0	324	324	78	20,350	20,428
in % of total				0.0%	100.00%		0.4%	99.6%	
CDI	0.8%	0.8%	0.8%	8	18	26	955	2,387	3,342
in % of total				30.8%	69.2%		28.6%	71.4%	
OCIMF	0.8%	7.4%	0.9%	42	7	49	5,391	95	5,486
in % of total				85.7%	14.3%		98.3%	1.7%	

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^(*)- 2017

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.8%	0.5%	0.7%	14	5	19	1,810	1,087	2,897
in % of total				73.7%	26.3%		62.5%	37.5%	
Intercargo	2.3%	2.1%	2.2%	22	44	66	963	2,051	3,014
in % of total				33.3%	66.7%		32.0%	68.0%	
Intermanager	0.3%	1.6%	1.5%	1	83	84	390	5,128	5,518
in % of total				1.2%	99%		7.1%	92.9%	
Green Award	0.7%	1.5%	1.4%	2	82	84	288	5,616	5,904
in % of total				2.4%	98%		4.9%	95.1%	
CDI	0.0%					0			0
in % of total									
OCIMF	0.6%	8.3%	0.7%	17	2	19	2,873	24	2,897
in % of total				89.5%	10.5%		99.2%	0.8%	

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	10,309	37.4%	4,841	9.9%	1,915	10.7%	39.6%
2	3,971	14.4%	3,243	6.7%	1,206	6.8%	37.2%
3	2,381	8.6%	2,504	5.1%	989	5.5%	39.5%
4	1,619	5.9%	2,198	4.5%	857	4.8%	39.0%
5	1,304	4.7%	2,151	4.4%	935	5.2%	43.5%
6-10	3,299	12.0%	7,884	16.2%	2,979	16.7%	37.8%
11-50	3,376	12.2%	16,451	33.7%	5,594	31.3%	34.0%
51-100	698	2.5%	5,410	11.1%	1,994	11.2%	36.9%
100+	608	2.2%	4,073	8.4%	1,380	7.7%	33.9%
Total	27,565	100%	48,755	100%	17,849	100%	36.6%

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

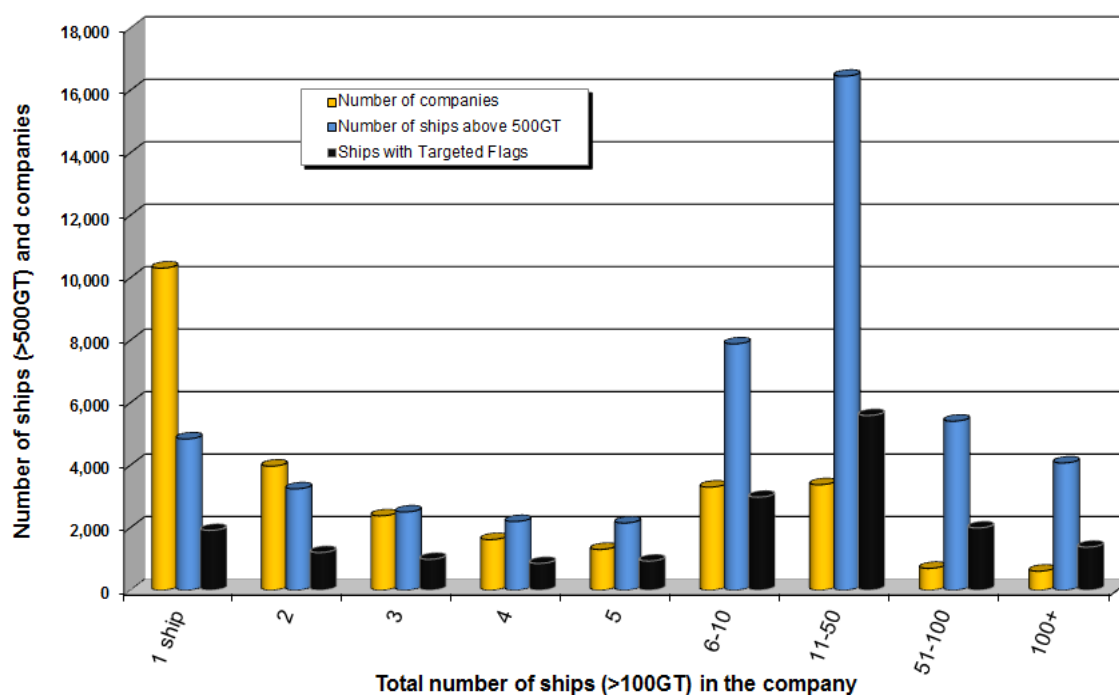
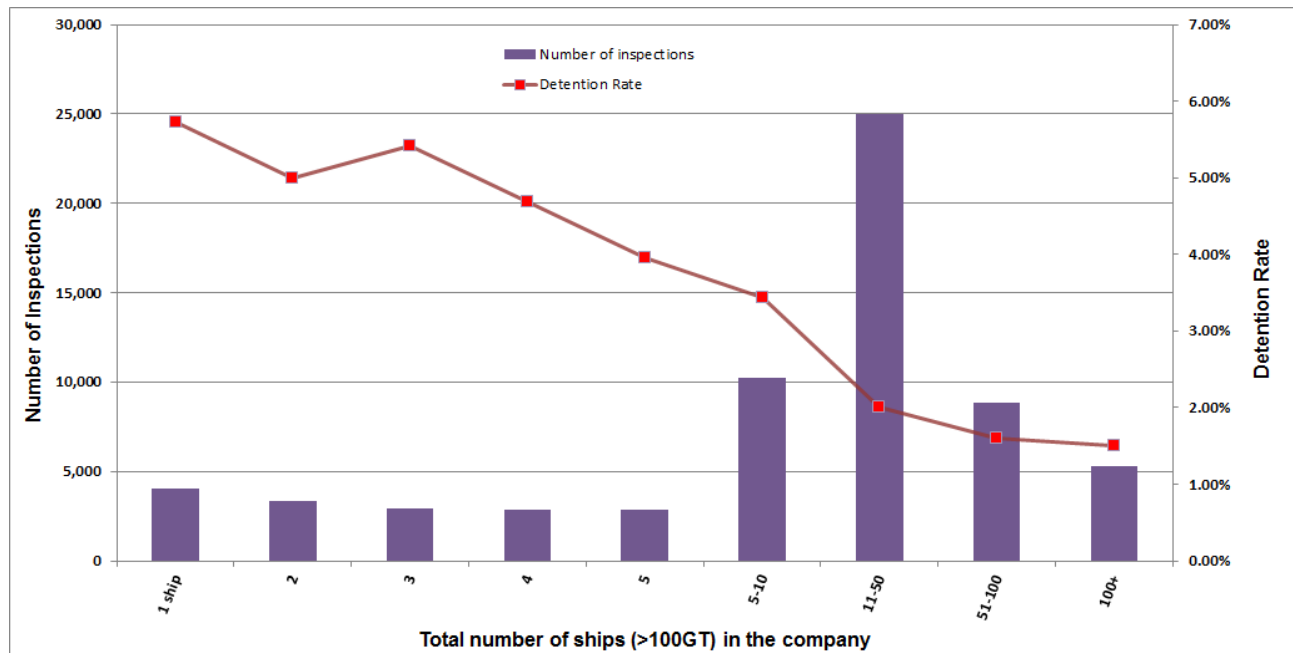


Table 152 - Total number of inspections and detention rates^(*), by company fleet size - 2017

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	4,023	6.2%	230	12.3%	5.72%
2	3,365	5.1%	168	9.0%	4.99%
3	2,919	4.5%	158	8.4%	5.41%
4	2,843	4.4%	133	7.1%	4.68%
5	2,833	4.3%	112	6.0%	3.95%
5-10	10,235	15.7%	351	18.7%	3.43%
11-50	24,968	38.2%	500	26.7%	2.00%
51-100	8,841	13.5%	141	7.5%	1.59%
100+	5,318	8.1%	80	4.3%	1.50%
Total	65,345	100%	1,873	100%	2.87%

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
Bulk/Sulphuric Acid 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 2017

The list of targeted flag is based on the 2017 annual reports of the Paris MoU [1], the Tokyo MoU [2] and the US Coast Guard [3], as published in that year.

A

Antigua and Barbuda [3]

B

Barbados [3]
Belize [1]
Bolivia [3]

C

Cambodia [1, 2]
Comoros [1]
Congo, Republic of the [1]
Cook Islands [1]
Cyprus [3]

F

Fiji [2]

G

Greece [3]

I

India [3]
Indonesia [2]

K

Korea, Democratic Republic [2]

M

Malta [3]
Micronesia, Federate States of [2]
Moldova [1]
Mongolia [2]

N

Niue [2]

P

Palau [1, 2]
Panama [3]
Philippines [3]

S

Saudi Arabia [3]
Sierra Leone [1, 2]
St Vincent and Grenadines [3]
Saint Kitts and Nevis [1, 3]

T

Tanzania [1, 2, 3]
Thailand [3]
Togo [1, 2, 3]
Turkey [3]

U

Ukraine [1]

V

Vanuatu [1, 3]

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 Markit 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
Bulk/Sulphuric Acid Carrier
Ore Carrier
Self-Discharging Bulk Carrier

Oil tanker

Asphalt/Bitumen Tanker
Bunkering Tanker
Crude Oil Tanker
FSO, Oil
Oil Products Tanker
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

Passenger/Ro-Ro Cargo Ship

Offshore supply

Accommod. Offshore Supp Vessel
Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe-Layer
Trenching Support Vessel
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
Salvage Ship
Seal-Catcher
Search & Rescue Vessel
Standby-Safety Vessel

Supply Vessel
Tank-Cleaning Vessel
Training Ship
Trans-Shipment 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
Sail Training Ship
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

Other Conventions

ITC

International Tonnage Certificate

Load Lines

International Load Line Certificate

AFS

Declaration of AFS Compliance
International Anti-Fouling System Certificate

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

MLC

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
Bulk/Caustic Soda Carrier
Bulk/Sulphuric Acid Carrier
Cement Carrier
Limestone Carrier
Ore Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Wood Chips Carrier
Urea Carrier

Gas Tankers:

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

Oil & Chemical Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
Crude Oil Tanker
Oil Products Tanker
Vegetable Oil 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)