



**Electronic Quality Shipping
Information System**

**The World Merchant Fleet in 2018
Statistics from Equasis**

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Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2018, 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. For the first time this document contains information on internationally operating fishing vessels over 100GT with an IMO number. Therefore, it should be noted that direct comparisons with the figures from previous year should be used with caution as this has added over 25,000 ships to Equasis. These vessels now represent 21% of the ships in the database. Approximately one fifth of these vessels (5,224) are over 500GT and therefore are included, where appropriate, in the statistics after Section 1.

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; and,
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 the medium, large and very-large categories (i.e.: 2, 3 and 4) have been chosen 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 13 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; and
- Fishing Vessels.

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), the Black Sea MoU (BS MoU) and Caribbean MoU (C MoU) 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 2018 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guard, can be found in Annex II.

It should be noted that Equasis signed a data sharing agreement in 2019 with the Abuja MoU. However, their information will not be included in this annual report until next year. Additionally, although Equasis has a data sharing agreement with the Riyadh MoU, there are some technical issues in including their data in the website. Therefore, data from the Riyadh MoU is not included and Equasis is working with the Riyadh MoU to find the best way to incorporate their data in Equasis and include it in next year's report.

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, Bangladesh, France (La Réunion Island), Kenya, India, Iran, Mauritius, Oman, South Africa, Sri Lanka, Sudan, Maldives and Mauritius, were considered in these statistics. In 2018, these thirteen countries carried out approximately 99.5% of all inspections within the Indian Ocean MoU. Since September 2019 Equasis also now receives information from Comoros, Madagascar, Myanmar, Seychelles, and Yemen

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 (84%). Small ships alone represent 46 % by number (up from 37% in 2017), although around only 1% by tonnage. This is likely to be due to the inclusion of fishing vessels in this report for the first time as 36% of small vessels are fishing vessels.

Fishing vessels (21.1%), tugs (16.2%), general cargo ships (13.9%), oil and chemical tankers (11.6%) and bulk carriers (10.2%) are the five most common ship types by number, representing about two thirds of the Equasis fleet. Most of these are small and medium sized ships.

Within the large and very large categories, bulk carriers (42.8%), oil and chemical tankers (25%) and container ships (16.3%) represent approximately 83% of the fleet in number in these ship size categories. These figures show no significant changes to those reported for 2017.

In terms of tonnage, the large and very large size categories remain static at 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 81.1% (very large). Bulk Carriers dominate the large category representing with over 50% of ships in this group.

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 (71.8%) size category. There is an even spread between ships over (55.6%) and under (44.4%) 15 years of age in the medium size category. The trend is reversed in the large and very large ship size categories, where 75.9% (large) and 81.0% (very large) are less than 15 years old.

Graph 4 and Table 4 show that most modern fleets are made up of the biggest ships in tonnage. Almost 40% of the world fleet in terms of tonnage is under 15 years old and over 60,000GT, almost 78% of the entire world fleet is under 15 years old and 21.5% is under 4 years old. Looking back at the statistics of the previous years, it is clear that younger ships are bigger than their predecessors. This trend has been observed over a few years, with bigger and bigger ships being added to the world fleet.

Graphs 13 to 19 show that for each size category almost a third of the total number of ships in Equasis are associated with a targeted flag State. This proportion is lower for large ships (31%) and very large ships (29%).

Tables 13 and 14 show that for the targeted flag States, general cargo ships are the most common ship category in number (28.3%), but bulk carriers are the most common ship type category by tonnage (39.5%). This is expected considering that these two ship types are the most common with respect to the total number of ships and tonnage (18.9% and 33.9%, respectively). Even though, in number of ships general cargo, bulk carriers and oil and chemical tankers are similar (18.9%, 18.4%, 18.6%, respectively), general cargo ships are clearly more common in targeted flags (28.3%, 21.2%, 17.8%, respectively).

This trend is repeated in medium size ships (Table 15 and 16) however, percentage wise, there are fewer bulk carriers in this category. However, bulk carriers dominate

the number of vessels registered to targeted flags in the large ship category (58.8%), which reflects their dominance in this size grouping (51%). Bulk Carriers also top the list of ship types registered to targeted flags by number in the very large vessel category (31.3%), followed by oil and chemical tankers (30.6%) and then container ships (22.7%), which for bulk carriers and containers ships differ slightly from the percentages represented in this size category (26.2%, 31.3% and 23.6%).

Ship sightings (under "2.4 – Ship Sightings by Geographical Area") 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 East Asia (15.1%), South East Asia (12.3%) and the Mediterranean Sea (9.4%), West Europe (9.2%) and South Asia (8.8%), with these geographical areas accounting for almost 55% of the total sightings reported to Equasis. In respect to ship size, small sized ships were more frequently sighted in the Mediterranean Sea and West Europe whilst large and very large ships in East Asia, South East Asia and South Asia.

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	4,346	8.1%	11,659	26.1%	245	2.0%			16,250	13.9%
Specialized Cargo Ships	8	0.0%	227	0.5%	61	0.5%	5	0.1%	301	0.3%
Container Ships	19	0.0%	2,213	5.0%	1,538	12.8%	1,441	22.8%	5,211	4.5%
Ro-Ro Cargo Ships	30	0.1%	629	1.4%	565	4.7%	247	3.9%	1,471	1.3%
Bulk Carriers	316	0.6%	3,788	8.5%	6,119	51.0%	1,706	27.0%	11,929	10.2%
Oil and Chemical Tankers	1,931	3.6%	7,241	16.2%	2,642	22.0%	1,943	30.8%	13,757	11.8%
Gas Tankers	36	0.1%	1,116	2.5%	362	3.0%	481	7.6%	1,995	1.7%
Other Tankers	396	0.7%	698	1.6%	12	0.1%			1,106	0.9%
Passenger Ships	4,094	7.6%	2,793	6.2%	277	2.3%	184	2.9%	7,348	6.3%
Offshore Vessels	2,727	5.1%	5,297	11.9%	149	1.2%	294	4.7%	8,467	7.2%
Service Ships	2,744	5.1%	2,750	6.2%	27	0.2%	6	0.1%	5,527	4.7%
Tugs	17,848	33.1%	1,041	2.3%					18,889	16.2%
Fishing Vessels	19,359	35.9%	5,244	11.7%	3	0.0%			24,606	21.1%
Total	53,854	100%	44,696	100%	12,000	100%	6,307	100%	116,857	100%

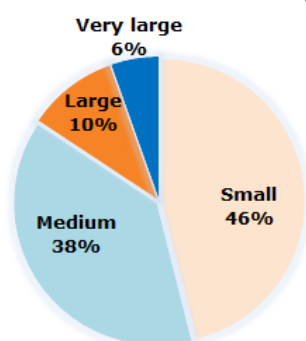
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

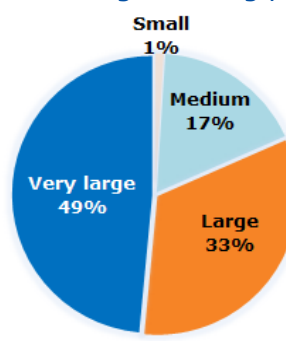
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,474	11.0%	49,643	21.0%	8,089	1.8%			59,206	4.3%
Specialized Cargo Ships	3	0.0%	1,767	0.7%	2,323	0.5%	371	0.1%	4,464	0.3%
Container Ships	8	0.1%	25,754	10.9%	58,096	12.9%	156,077	23.6%	239,935	17.6%
Ro-Ro Cargo Ships	10	0.1%	6,265	2.6%	26,898	6.0%	16,605	2.5%	49,778	3.7%
Bulk Carriers	125	0.9%	56,675	23.9%	227,640	50.5%	173,208	26.2%	457,648	33.6%
Oil and Chemical Tankers	622	4.6%	43,923	18.6%	94,293	20.9%	206,707	31.3%	345,545	25.4%
Gas Tankers	14	0.1%	7,098	3.0%	15,671	3.5%	53,896	8.2%	76,679	5.6%
Other Tankers	118	0.9%	2,022	0.9%	355	0.1%			2,495	0.2%
Passenger Ships	1,053	7.9%	11,357	4.8%	9,965	2.2%	19,458	2.9%	41,833	3.1%
Offshore Vessels	765	5.7%	15,274	6.5%	6,710	1.5%	33,412	5.1%	56,161	4.1%
Service Ships	671	5.0%	8,888	3.8%	994	0.2%	891	0.1%	11,444	0.8%
Tugs	4,296	32.1%	1,024	0.4%					5,320	0.4%
Fishing Vessels	4,228	31.6%	7,070	3.0%	114	0.0%			11,412	0.8%
Total	13,387	100%	236,760	100%	451,148	100%	660,625	100%	1,361,920	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	3,672	6.8%	4,562	10.2%	2,266	18.9%	1,548	24.5%	12,048	10.3%
5-14 years old	11,517	21.4%	15,291	34.2%	6,845	57.0%	3,563	56.5%	37,216	31.8%
15-24 years old	8,885	16.5%	7,869	17.6%	2,433	20.3%	1,027	16.3%	20,214	17.3%
+25 years old	29,780	55.3%	16,974	38.0%	456	3.8%	169	2.7%	47,379	40.5%
Total	53,854	100%	44,696	100%	12,000	100%	6,307	100%	116,857	100%

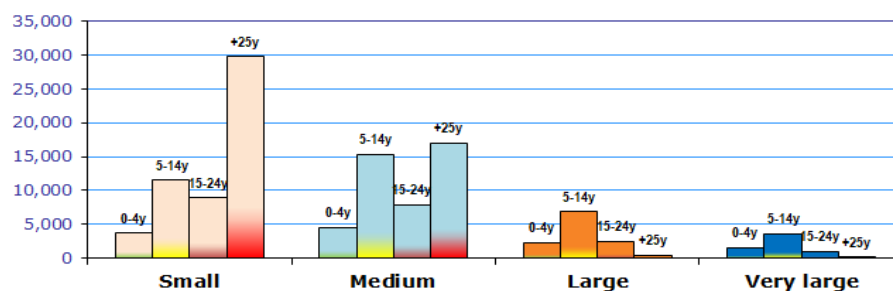
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

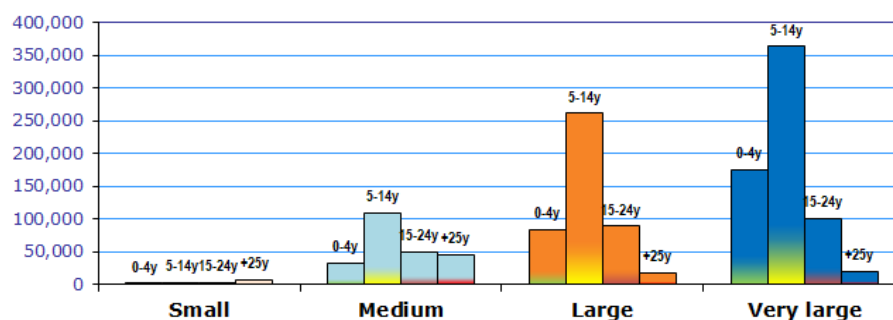
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	1,108	8.3%	32,325	13.7%	83,100	18.4%	175,944	26.6%	292,477	21.5%
5-14 years old	3,116	23.3%	108,581	45.9%	261,801	58.0%	364,047	55.1%	737,545	54.2%
15-24 years old	2,194	16.4%	50,201	21.2%	89,025	19.7%	100,560	15.2%	241,980	17.8%
+25 years old	6,967	52.1%	45,652	19.3%	17,222	3.8%	20,075	3.0%	89,916	6.6%
Total	13,385	100%	236,759	100%	451,148	100%	660,626	100%	1,361,918	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 year old SHIPS

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

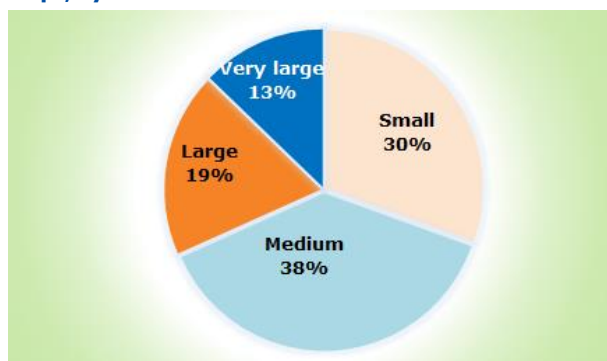
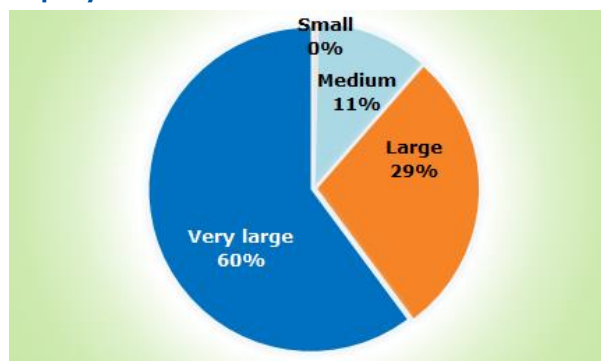
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	210	5.7%	632	13.9%	61	2.7%			903	7.5%
Specialized Cargo Ships			27	0.6%	13	0.6%	3	0.2%	43	0.4%
Container Ships	2	0.1%	242	5.3%	154	6.8%	350	22.6%	748	6.2%
Ro-Ro Cargo Ships	1	0.0%	44	1.0%	28	1.2%	77	5.0%	150	1.2%
Bulk Carriers	26	0.7%	501	11.0%	1,331	58.7%	334	21.6%	2,192	18.2%
Oil and Chemical Tankers	131	3.6%	789	17.3%	464	20.5%	563	36.4%	1,947	16.2%
Gas Tankers			153	3.4%	172	7.6%	148	9.6%	473	3.9%
Other Tankers	36	1.0%	116	2.5%	5	0.2%			157	1.3%
Passenger Ships	328	8.9%	322	7.1%	20	0.9%	30	1.9%	700	5.8%
Offshore Vessels	291	7.9%	720	15.8%	15	0.7%	43	2.8%	1,069	8.9%
Service Ships	262	7.1%	325	7.1%	3	0.1%			590	4.9%
Tugs	1,664	45.3%	112	2.5%					1,776	14.7%
Fishing Vessels	721	19.6%	579	12.7%					1,300	10.8%
Total	3,672	100%	4,562	100%	2,266	100%	1,548	100%	12,048	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 year 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	87	7.8%	3,788	11.7%	1,921	2.3%			5,796	2.0%
Specialized Cargo Ships			253	0.8%	508	0.6%	218	0.1%	979	0.3%
Container Ships	1	0.1%	3,017	9.3%	5,118	6.2%	49,107	27.9%	57,243	19.6%
Ro-Ro Cargo Ships			494	1.5%	1,248	1.5%	5,596	3.2%	7,338	2.5%
Bulk Carriers	12	1.1%	9,127	28.2%	50,371	60.6%	37,359	21.2%	96,869	33.1%
Oil and Chemical Tankers	52	4.7%	6,492	20.1%	14,941	18.0%	56,806	32.3%	78,291	26.8%
Gas Tankers			1,534	4.7%	7,283	8.8%	17,448	9.9%	26,265	9.0%
Other Tankers	12	1.1%	532	1.6%	134	0.2%			678	0.2%
Passenger Ships	106	9.5%	1,427	4.4%	829	1.0%	4,390	2.5%	6,752	2.3%
Offshore Vessels	83	7.5%	3,284	10.2%	654	0.8%	5,019	2.9%	9,040	3.1%
Service Ships	68	6.1%	1,340	4.1%	92	0.1%			1,500	0.5%
Tugs	490	44.1%	103	0.3%					593	0.2%
Fishing Vessels	199	17.9%	933	2.9%					1,132	0.4%
Total	1,110	100%	32,324	100%	83,099	100%	175,943	100%	292,476	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 year old ships, by size**Graph 6 - World fleet: gross tonnage of 0-4 year old ships by size**

5-14 YEAR OLD SHIPS

Table 7 - Total number of 5-14 year 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	602	5.2%	3,597	23.5%	94	1.4%			4,293	11.5%
Specialized Cargo Ships			63	0.4%	8	0.1%	2	0.1%	73	0.2%
Container Ships	15	0.1%	1,000	6.5%	962	14.1%	853	23.9%	2,830	7.6%
Ro-Ro Cargo Ships	8	0.1%	100	0.7%	363	5.3%	137	3.8%	608	1.6%
Bulk Carriers	13	0.1%	2,049	13.4%	3,643	53.2%	1,172	32.9%	6,877	18.5%
Oil and Chemical Tankers	312	2.7%	2,924	19.1%	1,515	22.1%	1,010	28.3%	5,761	15.5%
Gas Tankers	3	0.0%	423	2.8%	116	1.7%	233	6.5%	775	2.1%
Other Tankers	67	0.6%	252	1.6%	3	0.0%			322	0.9%
Passenger Ships	570	4.9%	515	3.4%	65	0.9%	69	1.9%	1,219	3.3%
Offshore Vessels	862	7.5%	2,702	17.7%	64	0.9%	86	2.4%	3,714	10.0%
Service Ships	558	4.8%	619	4.0%	12	0.2%	1	0.0%	1,190	3.2%
Tugs	6,754	58.6%	351	2.3%					7,105	19.1%
Fishing Vessels	1,753	15.2%	696	4.6%					2,449	6.6%
Total	11,517	100%	15,291	100%	6,845	100%	3,563	100%	37,216	100%

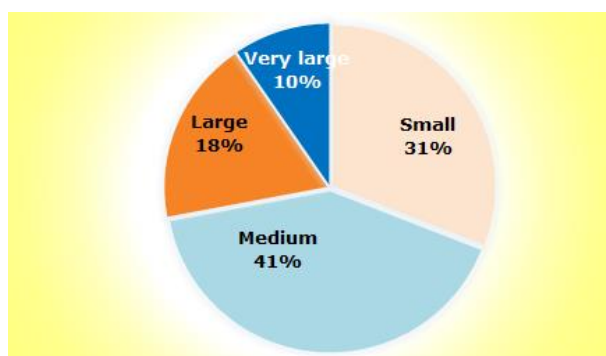
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

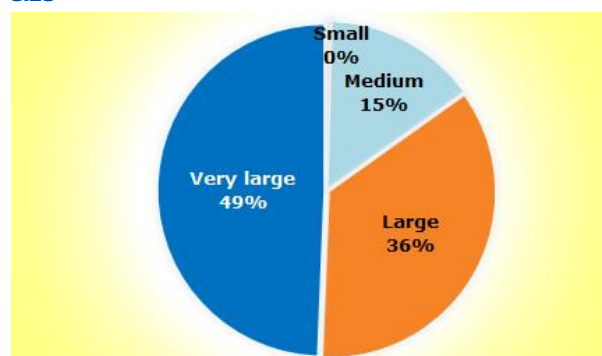
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	263	8.4%	21,212	19.5%	3,348	1.3%			24,823	3.4%
Specialized Cargo Ships			740	0.7%	313	0.1%	153	0.0%	1,206	0.2%
Container Ships	6	0.2%	12,072	11.1%	38,020	14.5%	89,319	24.5%	139,417	18.9%
Ro-Ro Cargo Ships	3	0.1%	1,319	1.2%	17,356	6.6%	8,830	2.4%	27,508	3.7%
Bulk Carriers	5	0.2%	33,670	31.0%	137,988	52.7%	115,450	31.7%	287,113	38.9%
Oil and Chemical Tankers	112	3.6%	21,244	19.6%	53,995	20.6%	107,759	29.6%	183,110	24.8%
Gas Tankers	1	0.0%	3,207	3.0%	5,175	2.0%	26,280	7.2%	34,663	4.7%
Other Tankers	23	0.7%	935	0.9%	98	0.0%			1,056	0.1%
Passenger Ships	157	5.0%	2,100	1.9%	2,269	0.9%	7,651	2.1%	12,177	1.7%
Offshore Vessels	262	8.4%	8,153	7.5%	2,782	1.1%	8,201	2.3%	19,398	2.6%
Service Ships	136	4.4%	2,562	2.4%	458	0.2%	403	0.1%	3,559	0.5%
Tugs	1,690	54.2%	405	0.4%					2,095	0.3%
Fishing Vessels	459	14.7%	962	0.9%					1,421	0.2%
Total	3,117	100%	108,581	100%	261,802	100%	364,046	100%	737,546	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 year old ships by size



Graph 8 - Gross tonnage of 5-14 year old ships by size



15-24 YEAR OLD SHIPS

Table 9 - Total number of 15-24 year 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	687	7.7%	2,090	26.6%	62	2.5%			2,839	14.0%
Specialized Cargo Ships			24	0.3%	9	0.4%			33	0.2%
Container Ships	1	0.0%	769	9.8%	372	15.3%	238	23.2%	1,380	6.8%
Ro-Ro Cargo Ships	5	0.1%	188	2.4%	152	6.2%	33	3.2%	378	1.9%
Bulk Carriers	55	0.6%	652	8.3%	1,021	42.0%	164	16.0%	1,892	9.4%
Oil and Chemical Tankers	262	2.9%	1,296	16.5%	634	26.1%	364	35.4%	2,556	12.6%
Gas Tankers	6	0.1%	276	3.5%	48	2.0%	80	7.8%	410	2.0%
Other Tankers	41	0.5%	66	0.8%	4	0.2%			111	0.5%
Passenger Ships	825	9.3%	601	7.6%	106	4.4%	76	7.4%	1,608	8.0%
Offshore Vessels	362	4.1%	599	7.6%	21	0.9%	69	6.7%	1,051	5.2%
Service Ships	436	4.9%	398	5.1%	4	0.2%	3	0.3%	841	4.2%
Tugs	2,823	31.8%	111	1.4%					2,934	14.5%
Fishing Vessels	3,382	38.1%	799	10.2%					4,181	20.7%
Total	8,885	100%	7,869	100%	2,433	100%	1,027	100%	20,214	100%

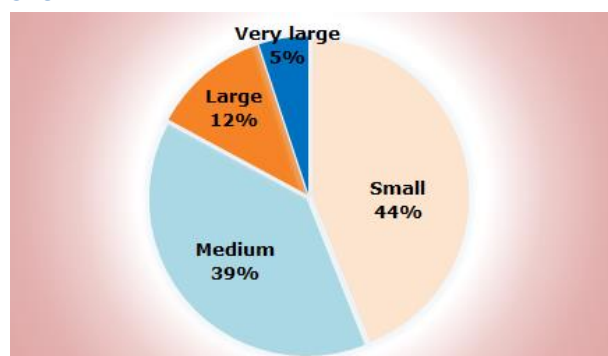
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

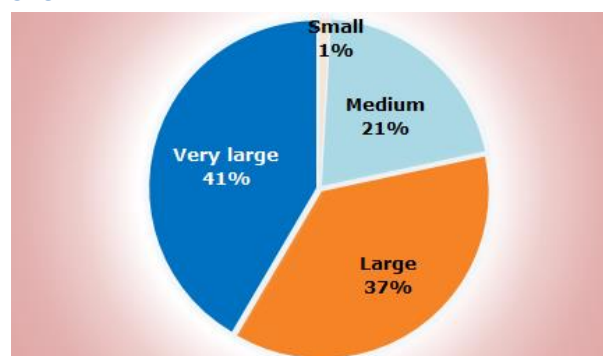
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	261	11.9%	10,692	21.3%	2,007	2.3%			12,960	5.4%
Specialized Cargo Ships			211	0.4%	368	0.4%			579	0.2%
Container Ships			8,792	17.5%	13,117	14.7%	17,651	17.6%	39,560	16.3%
Ro-Ro Cargo Ships	2	0.1%	2,335	4.7%	7,289	8.2%	2,179	2.2%	11,805	4.9%
Bulk Carriers	23	1.0%	9,164	18.3%	34,912	39.2%	15,149	15.1%	59,248	24.5%
Oil and Chemical Tankers	79	3.6%	10,280	20.5%	24,231	27.2%	41,660	41.4%	76,250	31.5%
Gas Tankers	2	0.1%	1,603	3.2%	2,066	2.3%	8,182	8.1%	11,853	4.9%
Other Tankers	11	0.5%	191	0.4%	122	0.1%			324	0.1%
Passenger Ships	211	9.6%	2,634	5.2%	3,711	4.2%	6,772	6.7%	13,328	5.5%
Offshore Vessels	120	5.5%	1,571	3.1%	1,065	1.2%	8,613	8.6%	11,369	4.7%
Service Ships	95	4.3%	1,606	3.2%	137	0.2%	353	0.4%	2,191	0.9%
Tugs	670	30.6%	101	0.2%					771	0.3%
Fishing Vessels	717	32.7%	1,021	2.0%					1,738	0.7%
Total	2,191	100%	50,201	100%	89,025	100%	100,559	100%	241,976	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 year old ships by size



Graph 10 - Gross tonnage of 15-24 year old ships by size



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

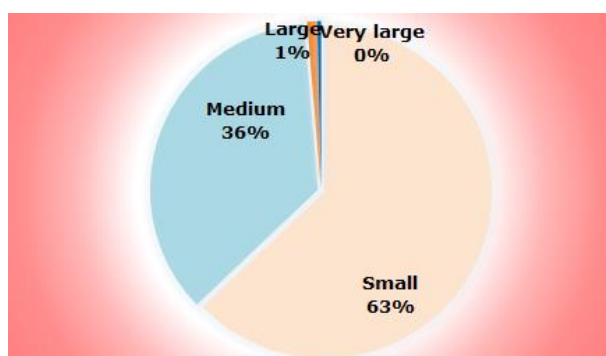
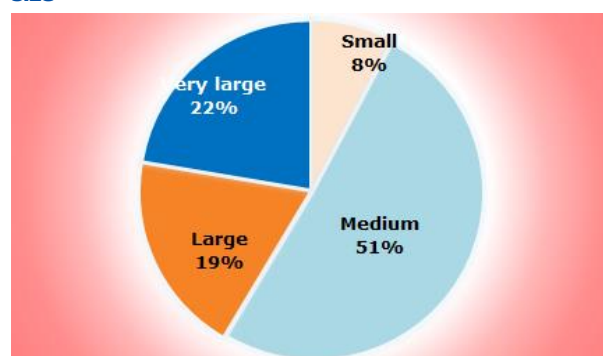
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,847	9.6%	5,340	31.5%	28	6.1%			8,215	17.3%
Specialized Cargo Ships	8	0.0%	113	0.7%	31	6.8%			152	0.3%
Container Ships	1	0.0%	202	1.2%	50	11.0%			253	0.5%
Ro-Ro Cargo Ships	16	0.1%	297	1.7%	22	4.8%			335	0.7%
Bulk Carriers	222	0.7%	586	3.5%	124	27.2%	36	21.3%	968	2.0%
Oil and Chemical Tankers	1,226	4.1%	2,232	13.1%	29	6.4%	6	3.6%	3,493	7.4%
Gas Tankers	27	0.1%	264	1.6%	26	5.7%	20	11.8%	337	0.7%
Other Tankers	252	0.8%	264	1.6%					516	1.1%
Passenger Ships	2,371	8.0%	1,355	8.0%	86	18.9%	9	5.3%	3,821	8.1%
Offshore Vessels	1,212	4.1%	1,276	7.5%	49	10.7%	96	56.8%	2,633	5.6%
Service Ships	1,488	5.0%	1,408	8.3%	8	1.8%	2	1.2%	2,906	6.1%
Tugs	6,607	22.2%	467	2.8%					7,074	14.9%
Fishing Vessels	13,503	45.3%	3,170	18.7%	3	0.7%			16,676	35.2%
Total	29,780	100%	16,974	100%	456	100%	169	100%	47,379	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 year 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	863	12.4%	13,951	30.6%	813	4.7%			15,627	17.4%
Specialized Cargo Ships	3	0.0%	563	1.2%	1,134	6.6%			1,700	1.9%
Container Ships			1,873	4.1%	1,840	10.7%			3,713	4.1%
Ro-Ro Cargo Ships	5	0.1%	2,116	4.6%	1,006	5.8%			3,127	3.5%
Bulk Carriers	86	1.2%	4,714	10.3%	4,369	25.4%	5,250	26.2%	14,419	16.0%
Oil and Chemical Tankers	378	5.4%	5,907	12.9%	1,127	6.5%	481	2.4%	7,893	8.8%
Gas Tankers	10	0.1%	755	1.7%	1,148	6.7%	1,986	9.9%	3,899	4.3%
Other Tankers	72	1.0%	364	0.8%					436	0.5%
Passenger Ships	579	8.3%	5,196	11.4%	3,156	18.3%	644	3.2%	9,575	10.6%
Offshore Vessels	300	4.3%	2,264	5.0%	2,209	12.8%	11,579	57.7%	16,352	18.2%
Service Ships	372	5.3%	3,380	7.4%	307	1.8%	135	0.7%	4,194	4.7%
Tugs	1,446	20.8%	415	0.9%					1,861	2.1%
Fishing Vessels	2,853	41.0%	4,154	9.1%	114	0.7%			7,121	7.9%
Total	6,967	100%	45,652	100%	17,223	100%	20,075	100%	89,917	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 year old ships by size**Graph 12 - Gross tonnage of +25 year 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	5,796	28.3%	6,108	14.4%	11,904	18.9%
Specialized Cargo Ships	113	0.6%	180	0.4%	293	0.5%
Container Ships	1,600	7.8%	3,592	8.5%	5,192	8.2%
Ro-Ro Cargo Ships	518	2.5%	923	2.2%	1,441	2.3%
Bulk Carriers	4,345	21.2%	7,268	17.1%	11,613	18.4%
Oil and Chemical Tankers	3,641	17.8%	8,185	19.3%	11,826	18.8%
Gas Tankers	530	2.6%	1,429	3.4%	1,959	3.1%
Other Tankers	193	0.9%	517	1.2%	710	1.1%
Passenger Ships	1,084	5.3%	2,170	5.1%	3,254	5.2%
Offshore Vessels	1,524	7.4%	4,216	9.9%	5,740	9.1%
Service Ships	605	3.0%	2,178	5.1%	2,783	4.4%
Tugs	156	0.8%	885	2.1%	1,041	1.7%
Fishing Vessels	392	1.9%	4,855	11.4%	5,247	8.3%
Total	20,497	100%	42,506	100%	63,003	100%

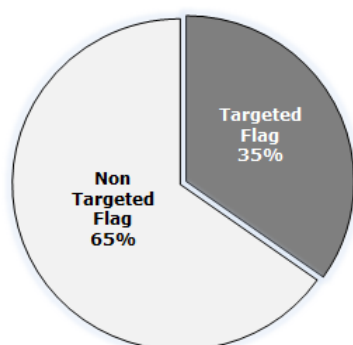
Source: Equasis

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

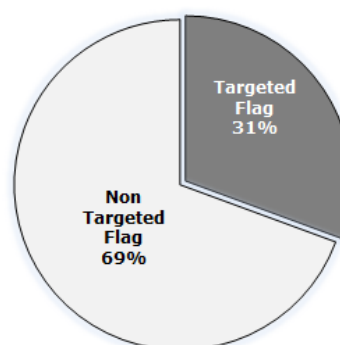
Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	24,075	5.9%	33,658	3.6%	57,733	4.3%
Specialized Cargo Ships	973	0.2%	3,488	0.4%	4,461	0.3%
Container Ships	65,553	15.9%	174,374	18.6%	239,927	17.8%
Ro-Ro Cargo Ships	17,487	4.3%	32,279	3.4%	49,766	3.7%
Bulk Carriers	162,687	39.5%	294,838	31.5%	457,525	33.9%
Oil and Chemical Tankers	96,992	23.6%	247,932	26.5%	344,924	25.6%
Gas Tankers	18,613	4.5%	58,052	6.2%	76,665	5.7%
Other Tankers	532	0.1%	1,845	0.2%	2,377	0.2%
Passenger Ships	11,281	2.7%	29,499	3.1%	40,780	3.0%
Offshore Vessels	10,061	2.4%	45,335	4.8%	55,396	4.1%
Service Ships	2,422	0.6%	8,351	0.9%	10,773	0.8%
Tugs	147	0.0%	876	0.1%	1,023	0.1%
Fishing Vessels	568	0.1%	6,615	0.7%	7,183	0.5%
Total	411,391	100%	937,142	100%	1,348,533	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



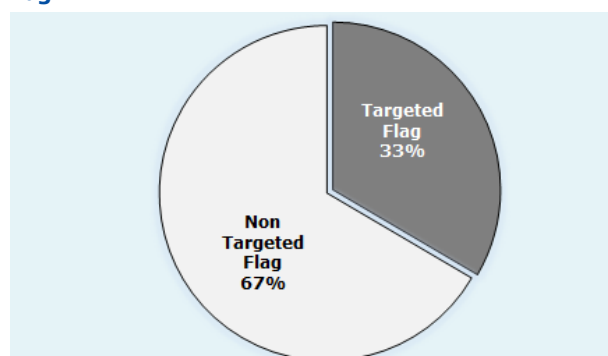
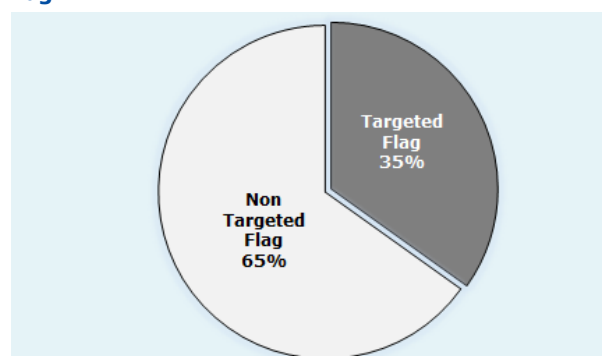
MEDIUM SIZED SHIPS

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	5,751	38.5%	5,908	19.9%	11,659	29.6%
Specialized Cargo Ships	101	0.7%	126	0.4%	227	0.6%
Container Ships	850	5.7%	1,363	4.6%	2,213	5.6%
Ro-Ro Cargo Ships	223	1.5%	406	1.4%	629	1.6%
Bulk Carriers	1,553	10.4%	2,235	7.5%	3,788	9.6%
Oil and Chemical Tankers	2,411	16.1%	4,830	16.2%	7,241	18.4%
Gas Tankers	316	2.1%	800	2.7%	1,116	2.8%
Other Tankers	191	1.3%	507	1.7%	698	1.8%
Passenger Ships	969	6.5%	1,824	6.1%	2,793	7.1%
Offshore Vessels	1,445	9.7%	3,852	13.0%	5,297	13.4%
Service Ships	595	4.0%	2,155	7.2%	2,750	7.0%
Tugs	156	1.0%	885	3.0%	1,041	2.6%
Fishing Vessels	391	2.6%	4,853	16.3%		
Total	14,952	100%	29,744	100%	39,452	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	22,636	27.4%	27,007	17.5%	49,643	21.6%
Specialized Cargo Ships	494	0.6%	1,273	0.8%	1,767	0.8%
Container Ships	9,046	11.0%	16,708	10.8%	25,754	11.2%
Ro-Ro Cargo Ships	1,875	2.3%	4,389	2.8%	6,264	2.7%
Bulk Carriers	22,531	27.3%	34,144	22.1%	56,675	24.7%
Oil and Chemical Tankers	13,830	16.8%	30,093	19.5%	43,923	19.1%
Gas Tankers	2,135	2.6%	4,963	3.2%	7,098	3.1%
Other Tankers	476	0.6%	1,546	1.0%	2,022	0.9%
Passenger Ships	3,351	4.1%	8,006	5.2%	11,357	4.9%
Offshore Vessels	3,835	4.6%	11,439	7.4%	15,274	6.6%
Service Ships	1,681	2.0%	7,207	4.7%	8,888	3.9%
Tugs	147	0.2%	876	0.6%	1,023	0.4%
Fishing Vessels	519	0.6%	6,551	4.2%		
Total	82,556	100%	154,202	100%	229,688	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**

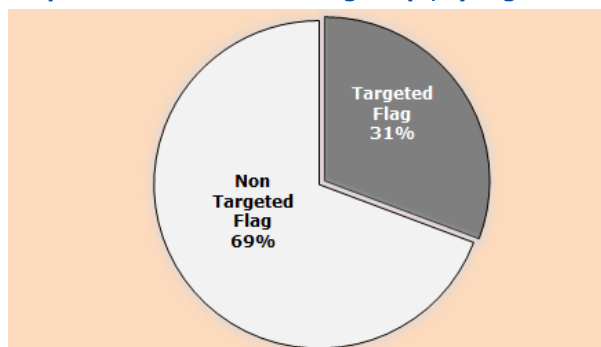
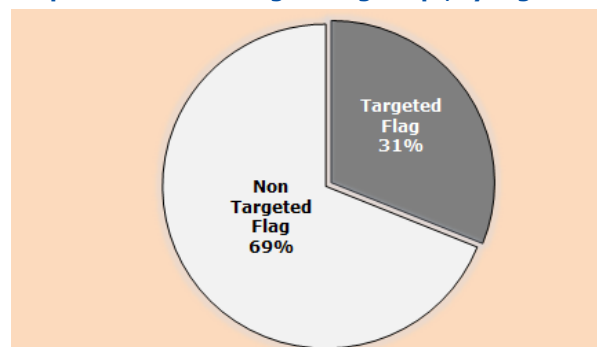
LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	45	1.2%	200	2.4%	245	2.0%
Specialized Cargo Ships	12	0.3%	49	0.6%	61	0.5%
Container Ships	367	9.9%	1,171	14.1%	1,538	12.8%
Ro-Ro Cargo Ships	204	5.5%	361	4.3%	565	4.7%
Bulk Carriers	2,170	58.8%	3,949	47.5%	6,119	51.0%
Oil and Chemical Tankers	681	18.5%	1,961	23.6%	2,642	22.0%
Gas Tankers	105	2.8%	257	3.1%	362	3.0%
Other Tankers	2	0.1%	10	0.1%	12	0.1%
Passenger Ships	58	1.6%	219	2.6%	277	2.3%
Offshore Vessels	36	1.0%	113	1.4%	149	1.2%
Service Ships	9	0.2%	18	0.2%	27	0.2%
Tugs						
Fishing Vessels	1	0.0%	2	0.0%		
Total	3,690	100%	8,310	100%	11,997	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	
	Count	%	Count	%	Count	%
General Cargo Ships	1,439	1.0%	6,651	2.1%	8,090	1.8%
Specialized Cargo Ships	479	0.3%	1,844	0.6%	2,323	0.5%
Container Ships	13,646	9.7%	44,450	14.3%	58,096	12.9%
Ro-Ro Cargo Ships	9,611	6.8%	17,287	5.6%	26,898	6.0%
Bulk Carriers	81,178	57.8%	146,463	47.1%	227,641	50.5%
Oil and Chemical Tankers	25,441	18.1%	68,853	22.2%	94,294	20.9%
Gas Tankers	4,648	3.3%	11,023	3.5%	15,671	3.5%
Other Tankers	56	0.0%	299	0.1%	355	0.1%
Passenger Ships	1,937	1.4%	8,028	2.6%	9,965	2.2%
Offshore Vessels	1,570	1.1%	5,140	1.7%	6,710	1.5%
Service Ships	338	0.2%	656	0.2%	994	0.2%
Tugs						
Fishing Vessels	49	0.0%	64	0.0%		
Total	140,392	100%	310,758	100%	451,037	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**

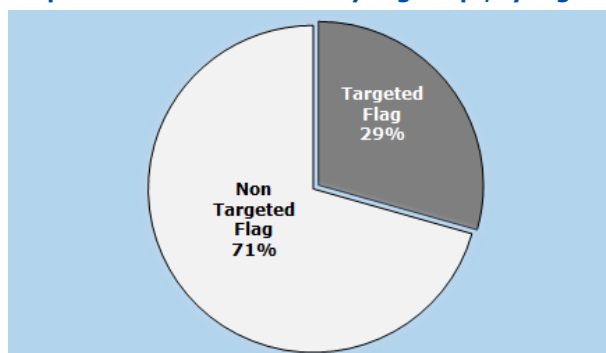
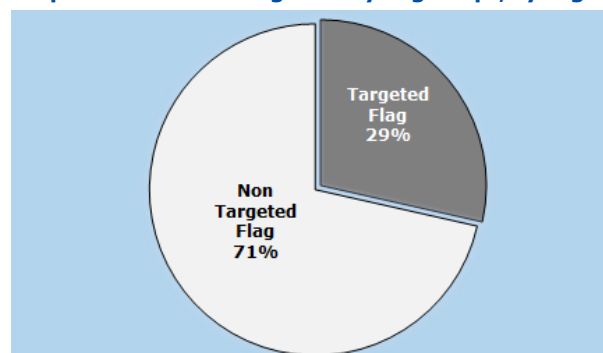
VERY LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	Percentage	Count	Percentage	Count	Percentage
General Cargo Ships						
Specialized Cargo Ships			5	0.1%	5	0.1%
Container Ships	383	20.6%	1,058	23.8%	1,441	22.8%
Ro-Ro Cargo Ships	91	4.9%	156	3.5%	247	3.9%
Bulk Carriers	622	33.5%	1,084	24.3%	1,706	27.0%
Oil and Chemical Tankers	549	29.6%	1,394	31.3%	1,943	30.8%
Gas Tankers	109	5.9%	372	8.4%	481	7.6%
Other Tankers						
Passenger Ships	57	3.1%	127	2.9%	184	2.9%
Offshore Vessels	43	2.3%	251	5.6%	294	4.7%
Service Ships	1	0.1%	5	0.1%	6	0.1%
Tugs						
Fishing Vessels						
Total	1,855	100%	4,452	100%	6,307	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	
	Count	Percentage	Count	Percentage	Count	Percentage
General Cargo Ships						
Specialized Cargo Ships			371	0.1%	371	0.1%
Container Ships	42,861	22.7%	113,216	24.0%	156,077	23.6%
Ro-Ro Cargo Ships	6,001	3.2%	10,603	2.2%	16,604	2.5%
Bulk Carriers	58,978	31.3%	114,231	24.2%	173,209	26.2%
Oil and Chemical Tankers	57,721	30.6%	148,986	31.6%	206,707	31.3%
Gas Tankers	11,830	6.3%	42,066	8.9%	53,896	8.2%
Other Tankers						
Passenger Ships	5,993	3.2%	13,465	2.9%	19,458	2.9%
Offshore Vessels	4,656	2.5%	28,756	6.1%	33,412	5.1%
Service Ships	403	0.2%	488	0.1%	891	0.1%
Tugs						
Fishing Vessels						
Total	188,443	100%	472,182	100%	660,625	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 – 2018

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	511	2.1%	1,704	2.0%	3,034	4.4%	1,900	5.1%	7,149	3.3%
East Africa	189	0.8%	1,339	1.6%	4,044	5.9%	2,427	6.5%	7,999	3.7%
East Asia	3,367	13.6%	14,784	17.8%	8,843	12.9%	5,277	14.1%	32,271	15.1%
Mediterranean Sea	3,222	13.1%	9,531	11.5%	4,734	6.9%	2,701	7.2%	20,188	9.4%
Middle America and Gulf of Mexico	2,071	8.4%	4,655	5.6%	4,488	6.6%	2,084	5.5%	13,298	6.2%
New Guinea Pacific	460	1.9%	1,549	1.9%	1,992	2.9%	870	2.3%	4,871	2.3%
North America East Coast	1,313	5.3%	2,760	3.3%	2,960	4.3%	1,415	3.8%	8,448	4.0%
North America West Coast	1,115	4.5%	1,864	2.2%	3,309	4.8%	1,439	3.8%	7,727	3.6%
North Asia	73	0.3%	536	0.6%	239	0.3%	135	0.4%	983	0.5%
North Europe	1,865	7.6%	6,817	8.2%	1,990	2.9%	748	2.0%	11,420	5.3%
South America East Coast	637	2.6%	2,904	3.5%	3,873	5.7%	1,894	5.0%	9,308	4.4%
South America West Coast	307	1.2%	1,462	1.8%	1,491	2.2%	601	1.6%	3,861	1.8%
South Asia	1,994	8.1%	6,554	7.9%	6,429	9.4%	3,780	10.1%	18,757	8.8%
South East Asia	2,682	10.9%	10,834	13.0%	7,823	11.5%	4,900	13.0%	26,239	12.3%
South Africa	355	1.4%	1,760	2.1%	4,361	6.4%	2,654	7.1%	9,130	4.3%
West Africa	1,172	4.8%	5,151	6.2%	3,962	5.8%	2,079	5.5%	12,364	5.8%
West Europe	3,335	13.5%	9,010	10.8%	4,751	7.0%	2,647	7.0%	19,743	9.2%
Total	24,668	100%	83,214	100%	68,323	100%	37,551	100%	213,756	100%

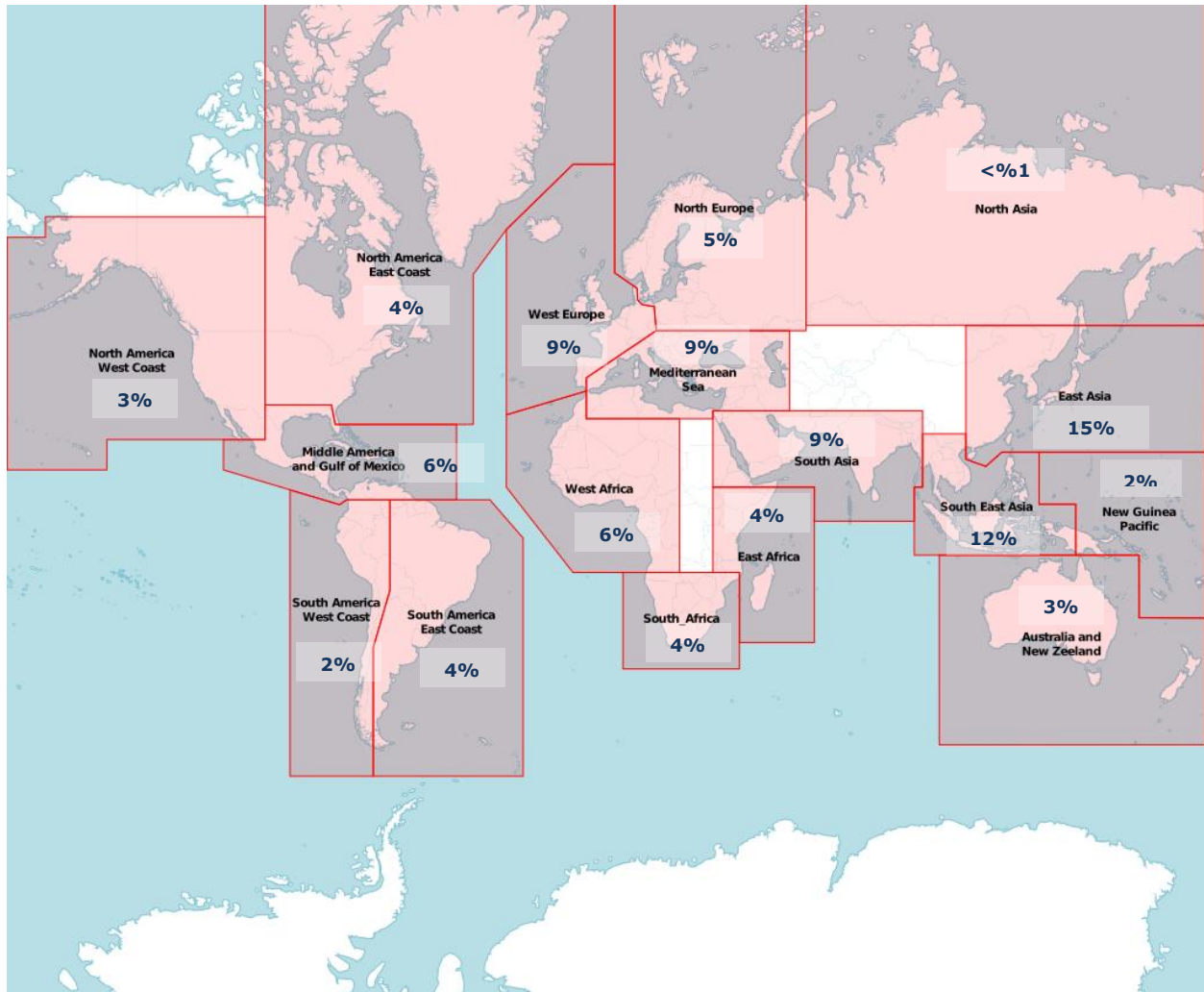
Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

Table 22 - Ship Sightings: Gross tonnage (in 1000 GT) of distinct ships sighted by area and by size – 2018

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	165	2.3%	23,335	3.0%	123,510	4.7%	176,716	4.6%	323,726	4.5%
East Africa	62	0.8%	16,917	2.2%	156,666	6.0%	261,354	6.8%	434,999	6.0%
East Asia	1,095	15.0%	115,067	14.9%	337,784	12.9%	565,192	14.7%	1,019,138	14.1%
Mediterranean Sea	963	13.2%	78,064	10.1%	177,995	6.8%	264,127	6.9%	521,149	7.2%
Middle America and Gulf of Mexico	645	8.8%	50,467	6.5%	170,298	6.5%	199,788	5.2%	421,198	5.8%
New Guinea Pacific	146	2.0%	17,760	2.3%	82,241	3.1%	78,843	2.1%	178,990	2.5%
North America East Coast	334	4.6%	34,127	4.4%	114,476	4.4%	123,388	3.2%	272,325	3.8%
North America West Coast	286	3.9%	24,373	3.2%	129,395	4.9%	136,756	3.6%	290,810	4.0%
North Asia	23	0.3%	3,523	0.5%	9,579	0.4%	12,353	0.3%	25,478	0.4%
North Europe	488	6.7%	50,313	6.5%	74,881	2.9%	66,247	1.7%	191,929	2.7%
South America East Coast	199	2.7%	35,693	4.6%	146,595	5.6%	205,381	5.4%	387,868	5.4%
South America West Coast	101	1.4%	17,375	2.2%	54,074	2.1%	55,734	1.5%	127,284	1.8%
South Asia	654	8.9%	61,774	8.0%	246,471	9.4%	412,414	10.8%	721,313	10.0%
South East Asia	806	11.0%	90,675	11.7%	300,469	11.5%	528,027	13.8%	919,977	12.7%
South Africa	116	1.6%	22,362	2.9%	169,024	6.4%	284,472	7.4%	475,974	6.6%
West Africa	358	4.9%	52,231	6.8%	147,632	5.6%	206,544	5.4%	406,765	5.6%
West Europe	878	12.0%	79,557	10.3%	180,696	6.9%	257,717	6.7%	518,848	7.2%
Total	7,319	100%	773,613	100%	2,621,786	100%	3,835,053	100%	7,237,771	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 – 2018 ⁽¹⁾



Chapter 3

3. Classification Societies

INTRODUCTION

Classification Societies provide technical and surveying services for the shipping industry and 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, the Classification Societies 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 and 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 2018, 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. 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 almost 11,500 active ships on the Equasis website for which no classification data is available at all in Equasis. This equates to approximately 2.5% 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 approximately 5,400 ships, representing a just over 2% of the total gross tonnage of ships over 500GT. 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, the Black Sea MoU, Viña del Mar MoU Mediterranean MoU and Caribbean MoU. At the present time Equasis does not have data for the Abuja MoU or the Riyadh MoU, however it is expected that these will be included in next year's report. 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.

It should be noted that, all detentions reported by the MoU's listed above are included in these figures, even if these are double reported through two MoU's. This is the case even if the detention is only one detention. Equasis is presently working with the MoU's and the individual States

who are reporting through two MoU's, asking them to clarify the situation and eliminate this double reporting problem in the future.

Please also note that the figures in this chapter may be different from those in the Annual Report from IACS. This is because the Equasis database only contains information on ships over 500GT.

RESULTS

Graph 22 shows that the Equasis fleet over 500 GT is dominated by ships classed by IACS members (55% by number and 77% by tonnage).

For most ship types approximately 55% to 70% are classed by IACS members. Exceptions to this are gas tankers (75%), general cargo ships (39%), passenger ships (37%), service ships (36%) and fishing vessels (2%). General cargo ships account for around a quarter (24.7%) 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 with respect to the number of ships in the higher size categories, with 79% of the large ships and of the very large ships categories being classed by IACS, (compared to 55% of the total). Ships covered by non-IACS members or for which no class was recorded are mostly medium sized ships (55%) (Graph 24) in contrast with remaining ship size categories.

Graphs 30, 38, 46 and 54 show that the IACS member coverage is greater among the younger fleet and tends to diminish with age – from 68% of ships aged up to 5 year to 26% of the fleet over 25 year old.

Graph 62 shows that 36% of ships originated from Non-Targeted Flags are being classified by IACS members, with 31% of the ships being classed by non-IACS (or fall under the category of "no record was found"). The percentage of ships originating from Non-Targeted Flags and are being classified by IACS members increases to 55% for very large ships and 53% for large ships.

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 2.48% of

inspections resulted in detention in 2018 (Table 71). Those ships classed by an IACS member had a lower detention ratio in 2018 (2.15%) than those classed with non-IACS members or with no recorded class (3.51%).

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	4,879	14.1%	7,025	24.7%	11,904	18.9%
Specialized Cargo Ships	198	0.6%	95	0.3%	293	0.5%
Container Ships	3,060	8.8%	2,132	7.5%	5,192	8.2%
Ro-Ro Cargo Ships	988	2.9%	453	1.6%	1,441	2.3%
Bulk Carriers	9,683	28.0%	1,930	6.8%	11,613	18.4%
Oil and Chemical Tankers	7,861	22.7%	3,965	13.9%	11,826	18.8%
Gas Tankers	1,475	4.3%	484	1.7%	1,959	3.1%
Other Tankers	429	1.2%	281	1.0%	710	1.1%
Passenger Ships	1,210	3.5%	2,044	7.2%	3,254	5.2%
Offshore Vessels	3,109	9.0%	2,631	9.3%	5,740	9.1%
Service Ships	1,007	2.9%	1,776	6.2%	2,783	4.4%
Tugs	532	1.5%	509	1.8%	1,041	1.7%
Fishing Vessels	147	0.4%	5,100	17.9%	5,247	8.3%
Total	34,578	100%	28,425	100%	63,003	100%

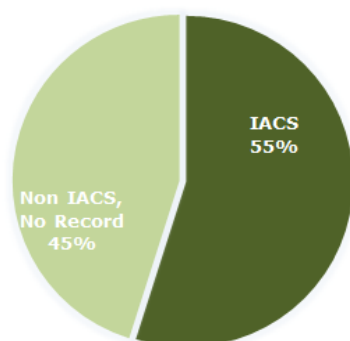
Source: Equasis - IACS membership on 31/12/2018

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

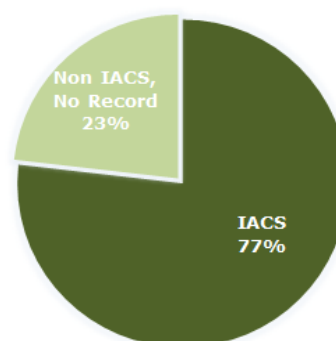
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	32,134	3.1%	25,599	8.2%	57,733	4.3%
Specialized Cargo Ships	3,543	0.3%	918	0.3%	4,461	0.3%
Container Ships	153,281	14.8%	86,647	27.7%	239,928	17.8%
Ro-Ro Cargo Ships	38,317	3.7%	11,452	3.7%	49,769	3.7%
Bulk Carriers	408,585	39.4%	48,939	15.7%	457,524	33.9%
Oil and Chemical Tankers	276,383	26.7%	68,542	21.9%	344,925	25.6%
Gas Tankers	62,010	6.0%	14,655	4.7%	76,665	5.7%
Other Tankers	1,802	0.2%	575	0.2%	2,377	0.2%
Passenger Ships	24,847	2.4%	15,932	5.1%	40,779	3.0%
Offshore Vessels	28,495	2.8%	26,901	8.6%	55,396	4.1%
Service Ships	5,661	0.5%	5,112	1.6%	10,773	0.8%
Tugs	557	0.1%	467	0.1%	1,024	0.1%
Fishing Vessels	378	0.0%	6,805	2.2%	7,183	0.5%
Total	1,035,993	100%	312,544	100%	1,348,537	100%

Source: Equasis - IACS membership on 31/12/2018

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	4,770	23.8%	6,889	27.9%	11,659	26.1%
Specialized Cargo Ships	144	0.7%	83	0.3%	227	0.5%
Container Ships	1,263	6.3%	950	3.9%	2,213	5.0%
Ro-Ro Cargo Ships	351	1.8%	278	1.1%	629	1.4%
Bulk Carriers	2,647	13.2%	1,141	4.6%	3,788	8.5%
Oil and Chemical Tankers	4,213	21.0%	3,028	12.3%	7,241	16.2%
Gas Tankers	808	4.0%	308	1.2%	1,116	2.5%
Other Tankers	420	2.1%	278	1.1%	698	1.6%
Passenger Ships	878	4.4%	1,915	7.8%	2,793	6.2%
Offshore Vessels	2,872	14.3%	2,425	9.8%	5,297	11.9%
Service Ships	982	4.9%	1,768	7.2%	2,750	6.2%
Tugs	532	2.7%	509	2.1%	1,041	2.3%
Fishing Vessels	145	0.7%	5,099	20.7%	5,244	11.7%
Total	20,025	100%	24,671	100%	44,696	100%

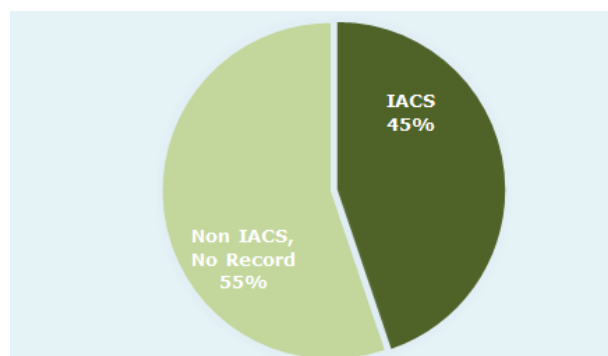
Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018

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

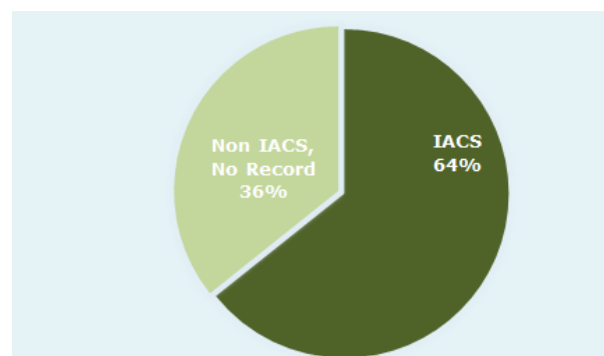
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	28,615	18.8%	21,028	24.9%	49,643	21.6%
Specialized Cargo Ships	1,357	0.9%	410	0.5%	1,767	0.8%
Container Ships	15,432	10.1%	10,323	12.2%	25,755	11.2%
Ro-Ro Cargo Ships	4,239	2.8%	2,026	2.4%	6,265	2.7%
Bulk Carriers	45,469	29.9%	11,206	13.3%	56,675	24.7%
Oil and Chemical Tankers	31,156	20.5%	12,768	15.1%	43,924	19.1%
Gas Tankers	5,449	3.6%	1,649	1.9%	7,098	3.1%
Other Tankers	1,544	1.0%	478	0.6%	2,022	0.9%
Passenger Ships	5,715	3.8%	5,642	6.7%	11,357	4.9%
Offshore Vessels	7,820	5.1%	7,454	8.8%	15,274	6.6%
Service Ships	4,528	3.0%	4,360	5.2%	8,888	3.9%
Tugs	557	0.4%	467	0.6%	1,024	0.4%
Fishing Vessels	314	0.002%	6,756	8.0%		
Total	152,195	100%	84,567	100%	229,692	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018

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

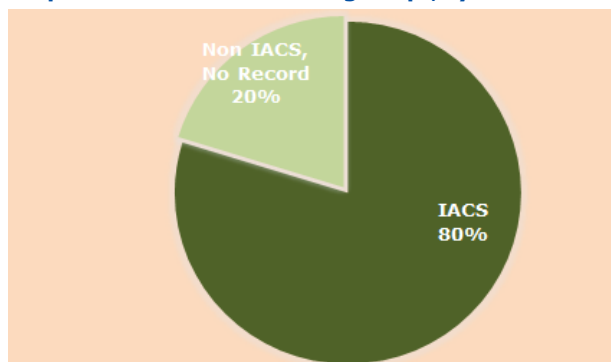
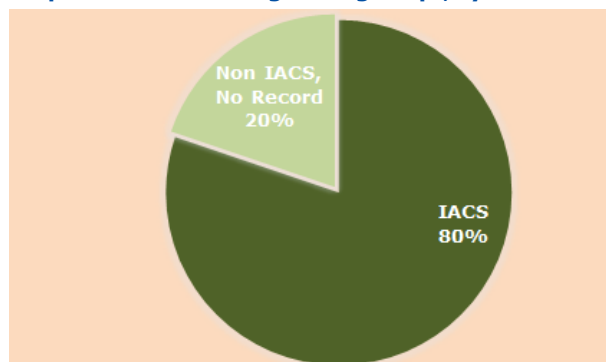
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	109	1.1%	136	5.6%	245	2.0%
Specialized Cargo Ships	50	0.5%	11	0.5%	61	0.5%
Container Ships	810	8.5%	728	30.0%	1,538	12.8%
Ro-Ro Cargo Ships	441	4.6%	124	5.1%	565	4.7%
Bulk Carriers	5,459	57.0%	660	27.2%	6,119	51.0%
Oil and Chemical Tankers	2,092	21.9%	550	22.6%	2,642	22.0%
Gas Tankers	265	2.8%	97	4.0%	362	3.0%
Other Tankers	9	0.1%	3	0.1%	12	0.1%
Passenger Ships	220	2.3%	57	2.3%	277	2.3%
Offshore Vessels	91	1.0%	58	2.4%	149	1.2%
Service Ships	22	0.2%	5	0.2%	27	0.2%
Tugs						
Fishing Vessels	2	0.0%	1	0.0%	3	0.0%
Total	9,570	100%	2,430	100%	12,000	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	3,519	1.0%	4,571	5.1%	8,090	1.8%
Specialized Cargo Ships	1,907	0.5%	416	0.5%	2,323	0.5%
Container Ships	31,281	8.6%	26,815	30.0%	58,096	12.9%
Ro-Ro Cargo Ships	20,968	5.8%	5,931	6.6%	26,899	6.0%
Bulk Carriers	204,481	56.5%	23,159	25.9%	227,640	50.5%
Oil and Chemical Tankers	75,100	20.8%	19,194	21.5%	94,294	20.9%
Gas Tankers	11,424	3.2%	4,247	4.8%	15,671	3.5%
Other Tankers	258	0.1%	97	0.1%	355	0.1%
Passenger Ships	7,915	2.2%	2,050	2.3%	9,965	2.2%
Offshore Vessels	4,122	1.1%	2,588	2.9%	6,710	1.5%
Service Ships	823	0.2%	171	0.2%	994	0.2%
Tugs						
Fishing Vessels	64		49			
Total	361,862	100%	89,288	100%	451,037	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

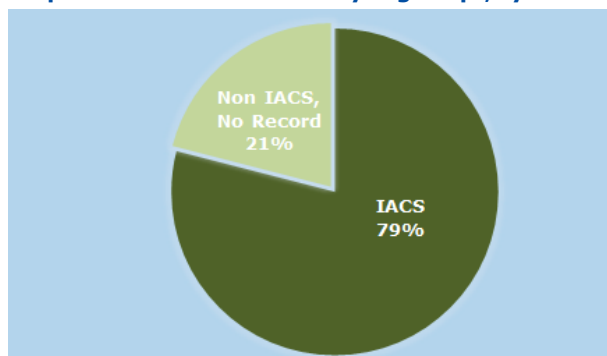
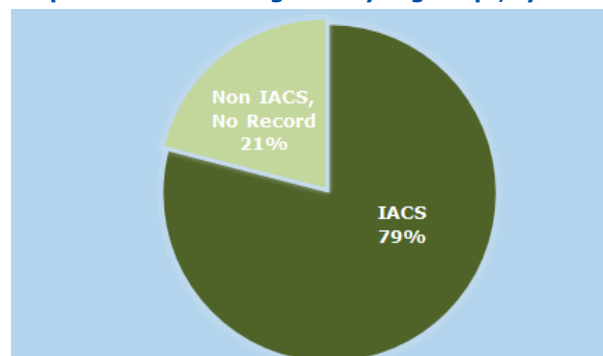
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	3,519	1.0%	4,571	5.1%	8,090	1.8%
Specialized Cargo Ships	1,907	0.5%	416	0.5%	2,323	0.5%
Container Ships	31,281	8.6%	26,815	30.0%	58,096	12.9%
Ro-Ro Cargo Ships	20,968	5.8%	5,931	6.6%	26,899	6.0%
Bulk Carriers	204,481	56.5%	23,159	25.9%	227,640	50.5%
Oil and Chemical Tankers	75,100	20.8%	19,194	21.5%	94,294	20.9%
Gas Tankers	11,424	3.2%	4,247	4.8%	15,671	3.5%
Other Tankers	258	0.1%	97	0.1%	355	0.1%
Passenger Ships	7,915	2.2%	2,050	2.3%	9,965	2.2%
Offshore Vessels	4,122	1.1%	2,588	2.9%	6,710	1.5%
Service Ships	823	0.2%	171	0.2%	994	0.2%
Tugs						
Fishing Vessels	64		49			
Total	361,862	100%	89,288	100%	451,037	100%

Source: Equasis - ⁽¹⁾GT≥60,000 - IACS membership on 31/12/2018

Table 30 - Gross tonnage (in 1000 GT) of 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	279	0.1%	92	0.1%	371	0.1%
Container Ships	106,568	20.4%	49,509	35.7%	156,077	23.6%
Ro-Ro Cargo Ships	13,110	2.5%	3,495	2.5%	16,605	2.5%
Bulk Carriers	158,635	30.4%	14,574	10.5%	173,209	26.2%
Oil and Chemical Tankers	170,127	32.6%	36,580	26.4%	206,707	31.3%
Gas Tankers	45,137	8.6%	8,759	6.3%	53,896	8.2%
Other Tankers						
Passenger Ships	11,217	2.1%	8,240	5.9%	19,457	2.9%
Offshore Vessels	16,553	3.2%	16,859	12.2%	33,412	5.1%
Service Ships	310	0.1%	581	0.4%	891	0.1%
Tugs						
Fishing Vessels						
Total	521,936	100%	138,689	100%	660,625	100%

Source: Equasis - ⁽¹⁾GT≥60,000 - IACS membership on 31/12/2018

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 year old ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	366	6.4%	327	12.3%	693	8.3%
Specialized Cargo Ships	31	0.5%	12	0.5%	43	0.5%
Container Ships	479	8.4%	267	10.1%	746	8.9%
Ro-Ro Cargo Ships	115	2.0%	34	1.3%	149	1.8%
Bulk Carriers	1,911	33.4%	255	9.6%	2,166	25.9%
Oil and Chemical Tankers	1,437	25.1%	379	14.3%	1,816	21.7%
Gas Tankers	380	6.6%	93	3.5%	473	5.6%
Other Tankers	111	1.9%	10	0.4%	121	1.4%
Passenger Ships	135	2.4%	237	8.9%	372	4.4%
Offshore Vessels	539	9.4%	239	9.0%	778	9.3%
Service Ships	133	2.3%	195	7.4%	328	3.9%
Tugs	72	1.3%	40	1.5%	112	1.3%
Fishing Vessels	15	0.3%	564	21.3%	579	6.9%
Total	5,724	100%	2,652	100%	8,376	100%

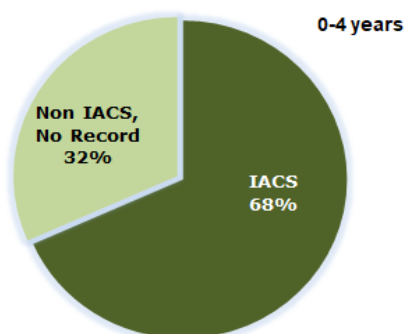
Source: Equasis - IACS membership on 31/12/2018

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

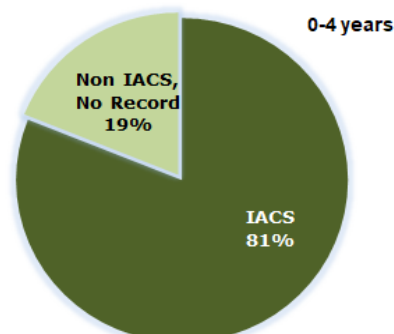
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	3,963	1.7%	1,747	3.2%	5,710	2.0%
Specialized Cargo Ships	778	0.3%	200	0.4%	978	0.3%
Container Ships	40,860	17.3%	16,382	29.7%	57,242	19.6%
Ro-Ro Cargo Ships	5,400	2.3%	1,938	3.5%	7,338	2.5%
Bulk Carriers	89,523	37.9%	7,333	13.3%	96,856	33.2%
Oil and Chemical Tankers	65,524	27.7%	12,715	23.1%	78,239	26.9%
Gas Tankers	21,103	8.9%	5,163	9.4%	26,266	9.0%
Other Tankers	636	0.3%	30	0.1%	666	0.2%
Passenger Ships	3,225	1.4%	3,421	6.2%	6,646	2.3%
Offshore Vessels	4,492	1.9%	4,466	8.1%	8,958	3.1%
Service Ships	639	0.3%	793	1.4%	1,432	0.5%
Tugs	67	0.0%	35	0.1%	102	0.0%
Fishing Vessels	29	0.0%	904	1.6%	933	0.3%
Total	236,239	100%	55,127	100%	291,366	100%

Source: Equasis - IACS membership on 31/12/2018

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



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



0-4 YEAR OLD MEDIUM SIZED SHIPS

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

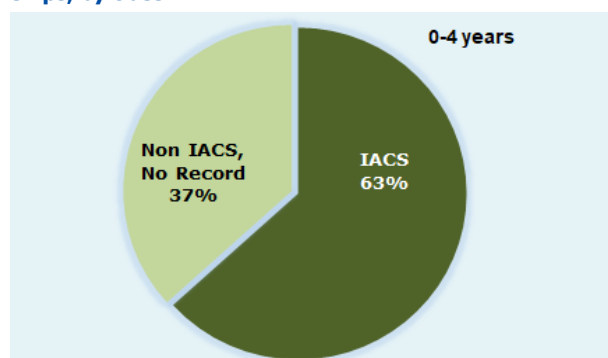
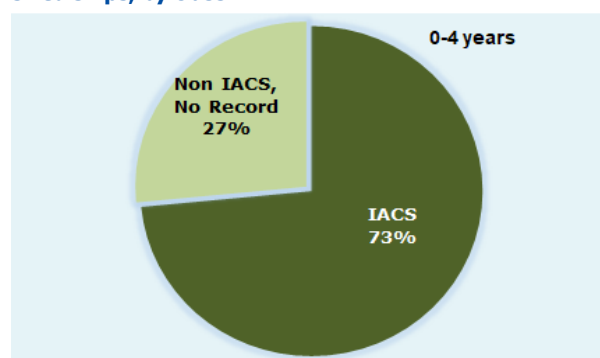
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	324	12.6%	308	20.7%	632	15.6%
Specialized Cargo Ships	19	0.7%	8	0.5%	27	0.7%
Container Ships	160	6.2%	82	5.5%	242	6.0%
Ro-Ro Cargo Ships	41	1.6%	3	0.2%	44	1.1%
Bulk Carriers	383	14.9%	118	7.9%	501	12.4%
Oil and Chemical Tankers	574	22.4%	215	14.4%	789	19.5%
Gas Tankers	127	4.9%	26	1.7%	153	3.8%
Other Tankers	106	4.1%	10	0.7%	116	2.9%
Passenger Ships	103	4.0%	219	14.7%	322	7.9%
Offshore Vessels	510	19.9%	210	14.1%	720	17.8%
Service Ships	132	5.1%	193	13.0%	325	8.0%
Tugs	72	2.8%	40	2.7%	112	2.8%
Fishing Vessels	15	0.6%	56	3.8%	71	1.8%
Total	2,566	100%	1,488	100%	4,054	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	2,606	11.0%	1,182	13.8%	3,788	11.7%
Specialized Cargo Ships	219	0.9%	34	0.4%	253	0.8%
Container Ships	2,124	8.9%	893	10.4%	3,017	9.3%
Ro-Ro Cargo Ships	474	2.0%	20	0.2%	494	1.5%
Bulk Carriers	7,980	33.6%	1,147	13.4%	9,127	28.2%
Oil and Chemical Tankers	5,463	23.0%	1,029	12.0%	6,492	20.1%
Gas Tankers	1,139	4.8%	395	4.6%	1,534	4.7%
Other Tankers	502	2.1%	30	0.3%	532	1.6%
Passenger Ships	505	2.1%	922	10.8%	1,427	4.4%
Offshore Vessels	2,029	8.5%	1,256	14.6%	3,285	10.2%
Service Ships	612	2.6%	728	8.5%	1,340	4.1%
Tugs	67	0.3%	35	0.4%	102	0.3%
Fishing Vessels	29	0.1%	904	10.5%	933	2.9%
Total	23,749	100%	8,575	100%	32,324	100%

Source: Equasis - IACS membership on 31/12/2018

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

0-4 YEAR OLD LARGE SHIPS

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

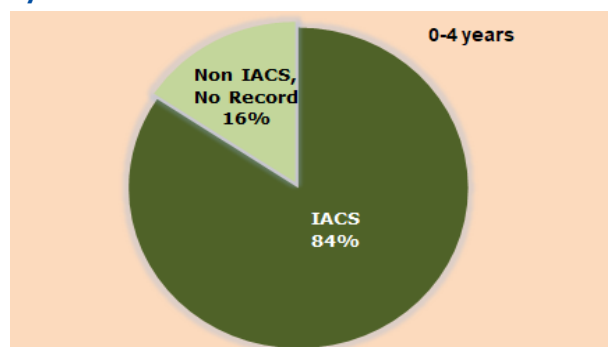
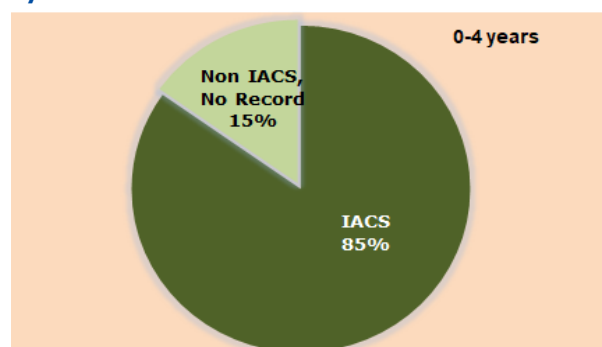
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	42	2.2%	19	5.4%	61	2.7%
Specialized Cargo Ships	9	0.5%	4	1.1%	13	0.6%
Container Ships	74	3.9%	80	22.5%	154	6.8%
Ro-Ro Cargo Ships	18	0.9%	10	2.8%	28	1.2%
Bulk Carriers	1,209	63.3%	122	34.4%	1,331	58.7%
Oil and Chemical Tankers	393	20.6%	71	20.0%	464	20.5%
Gas Tankers	131	6.9%	41	11.5%	172	7.6%
Other Tankers	5	0.3%			5	0.2%
Passenger Ships	18	0.9%	2	0.6%	20	0.9%
Offshore Vessels	11	0.6%	4	1.1%	15	0.7%
Service Ships	1	0.1%	2	0.6%	3	0.1%
Tugs						
Fishing Vessels						
Total	1,911	100%	355	100%	2,266	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,357	1.9%	565	4.5%	1,922	2.3%
Specialized Cargo Ships	341	0.5%	166	1.3%	507	0.6%
Container Ships	2,521	3.6%	2,597	20.5%	5,118	6.2%
Ro-Ro Cargo Ships	828	1.2%	420	3.3%	1,248	1.5%
Bulk Carriers	45,796	65.0%	4,575	36.2%	50,371	60.6%
Oil and Chemical Tankers	12,778	18.1%	2,163	17.1%	14,941	18.0%
Gas Tankers	5,440	7.7%	1,843	14.6%	7,283	8.8%
Other Tankers	134	0.2%			134	0.2%
Passenger Ships	745	1.1%	84	0.7%	829	1.0%
Offshore Vessels	487	0.7%	167	1.3%	654	0.8%
Service Ships	27	0.0%	65	0.5%	92	0.1%
Tugs						
Fishing Vessels						
Total	70,454	100%	12,645	100%	83,099	100%

Source: Equasis - IACS membership on 31/12/2018

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

0-4 YEAR OLD VERY LARGE SHIPS

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

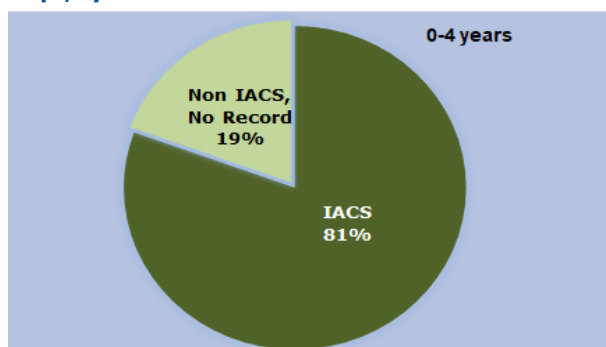
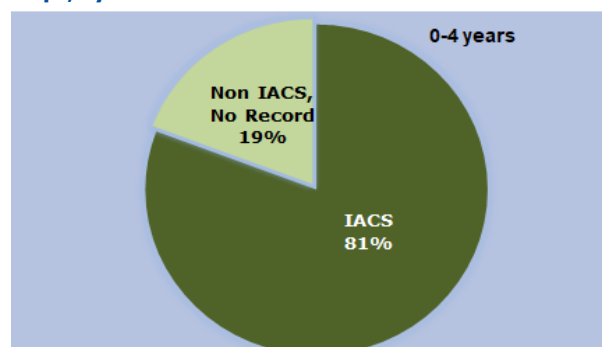
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships	3	0.2%			3	0.2%
Container Ships	245	19.6%	105	34.9%	350	22.6%
Ro-Ro Cargo Ships	56	4.5%	21	7.0%	77	5.0%
Bulk Carriers	319	25.6%	15	5.0%	334	21.6%
Oil and Chemical Tankers	470	37.7%	93	30.9%	563	36.4%
Gas Tankers	122	9.8%	26	8.6%	148	9.6%
Other Tankers						
Passenger Ships	14	1.1%	16	5.3%	30	1.9%
Offshore Vessels	18	1.4%	25	8.3%	43	2.8%
Service Ships						
Tugs						
Fishing Vessels						
Total	1,247	100%	301	100%	1,548	100%

Source: Equasis - IACS membership on 31/12/2018

Table 38 - Gross tonnage (in 1000 GT) of 0-4 year 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	218	0.2%			218	0.1%
Container Ships	36,215	25.5%	12,892	38.0%	49,107	27.9%
Ro-Ro Cargo Ships	4,098	2.9%	1,498	4.4%	5,596	3.2%
Bulk Carriers	35,747	25.2%	1,611	4.8%	37,358	21.2%
Oil and Chemical Tankers	47,283	33.3%	9,523	28.1%	56,806	32.3%
Gas Tankers	14,524	10.2%	2,925	8.6%	17,449	9.9%
Other Tankers						
Passenger Ships	1,975	1.4%	2,415	7.1%	4,390	2.5%
Offshore Vessels	1,976	1.4%	3,043	9.0%	5,019	2.9%
Service Ships						
Tugs						
Fishing Vessels						
Total	142,036	100%	33,907	100%	175,943	100%

Source: Equasis - IACS membership on 31/12/2018

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

5-14 YEAR OLD SHIPS

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

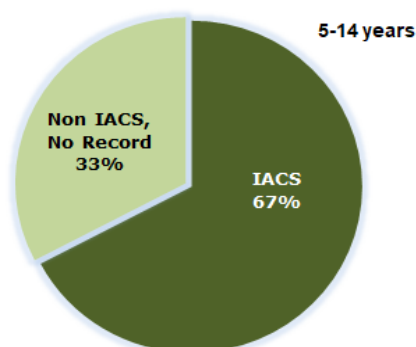
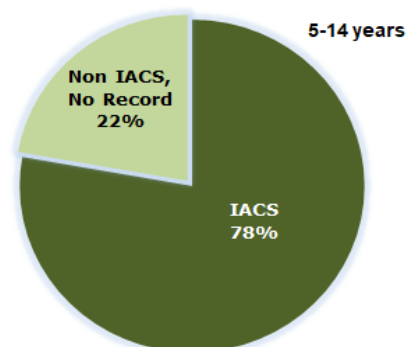
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,862	10.8%	1,829	21.8%	3,691	14.4%
Specialized Cargo Ships	61	0.4%	12	0.1%	73	0.3%
Container Ships	1,609	9.3%	1,206	14.4%	2,815	11.0%
Ro-Ro Cargo Ships	438	2.5%	162	1.9%	600	2.3%
Bulk Carriers	5,729	33.1%	1,135	13.5%	6,864	26.7%
Oil and Chemical Tankers	4,171	24.1%	1,278	15.2%	5,449	21.2%
Gas Tankers	627	3.6%	145	1.7%	772	3.0%
Other Tankers	195	1.1%	60	0.7%	255	1.0%
Passenger Ships	252	1.5%	397	4.7%	649	2.5%
Offshore Vessels	1,807	10.4%	1,045	12.4%	2,852	11.1%
Service Ships	297	1.7%	335	4.0%	632	2.5%
Tugs	231	1.3%	120	1.4%	351	1.4%
Fishing Vessels	21	0.1%	675	8.0%	696	2.7%
Total	17,300	100%	8,399	100%	25,699	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	14,496	2.5%	10,063	6.2%	24,559	3.3%
Specialized Cargo Ships	982	0.2%	224	0.1%	1,206	0.2%
Container Ships	85,055	14.9%	54,357	33.3%	139,412	19.0%
Ro-Ro Cargo Ships	20,681	3.6%	6,825	4.2%	27,506	3.7%
Bulk Carriers	254,476	44.5%	32,632	20.0%	287,108	39.1%
Oil and Chemical Tankers	147,509	25.8%	35,489	21.8%	182,998	24.9%
Gas Tankers	27,254	4.8%	7,407	4.5%	34,661	4.7%
Other Tankers	830	0.1%	204	0.1%	1,034	0.1%
Passenger Ships	7,276	1.3%	4,743	2.9%	12,019	1.6%
Offshore Vessels	10,616	1.9%	8,520	5.2%	19,136	2.6%
Service Ships	1,847	0.3%	1,575	1.0%	3,422	0.5%
Tugs	276	0.0%	130	0.1%	406	0.1%
Fishing Vessels	38	0.0%	924	0.6%	962	0.1%
Total	571,336	100%	163,093	100%	734,429	100%

Source: Equasis - IACS membership on 31/12/2018

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

5-14 YEAR OLD MEDIUM SIZED SHIPS

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

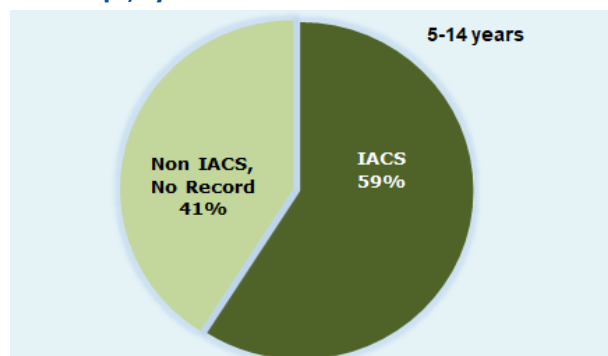
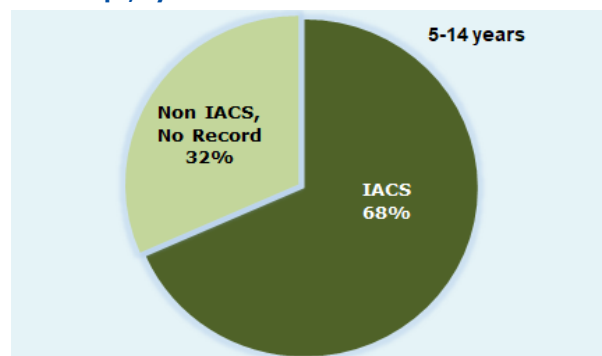
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,827	20.2%	1,770	28.3%	3,597	23.5%
Specialized Cargo Ships	52	0.6%	11	0.2%	63	0.4%
Container Ships	510	5.6%	490	7.8%	1,000	6.5%
Ro-Ro Cargo Ships	59	0.7%	41	0.7%	100	0.7%
Bulk Carriers	1,421	15.7%	628	10.0%	2,049	13.4%
Oil and Chemical Tankers	2,189	24.2%	735	11.7%	2,924	19.1%
Gas Tankers	366	4.1%	57	0.9%	423	2.8%
Other Tankers	193	2.1%	59	0.9%	252	1.6%
Passenger Ships	155	1.7%	360	5.7%	515	3.4%
Offshore Vessels	1,718	19.0%	984	15.7%	2,702	17.7%
Service Ships	286	3.2%	333	5.3%	619	4.0%
Tugs	231	2.6%	120	1.9%	351	2.3%
Fishing Vessels	21	0.2%	675	10.7%	696	4.5%
Total	9,028	100%	6,263	100%	15,291	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	13,285	17.9%	7,927	23.1%	21,212	19.5%
Specialized Cargo Ships	608	0.8%	132	0.4%	740	0.7%
Container Ships	6,221	8.4%	5,851	17.0%	12,072	11.1%
Ro-Ro Cargo Ships	741	1.0%	579	1.7%	1,320	1.2%
Bulk Carriers	26,489	35.7%	7,181	20.9%	33,670	31.0%
Oil and Chemical Tankers	16,646	22.4%	4,598	13.4%	21,244	19.6%
Gas Tankers	2,603	3.5%	604	1.8%	3,207	3.0%
Other Tankers	762	1.0%	173	0.5%	935	0.9%
Passenger Ships	888	1.2%	1,212	3.5%	2,100	1.9%
Offshore Vessels	4,248	5.7%	3,905	11.4%	8,153	7.5%
Service Ships	1,437	1.9%	1,125	3.3%	2,562	2.4%
Tugs	276	0.4%	130	0.4%	406	0.4%
Fishing Vessels	38	0.1%	924	2.6%	962	1.2%
Total	74,242	100%	34,341	100%	108,583	100%

Source: Equasis - IACS membership on 31/12/2018

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

5-14 YEAR OLD LARGE SHIPS

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

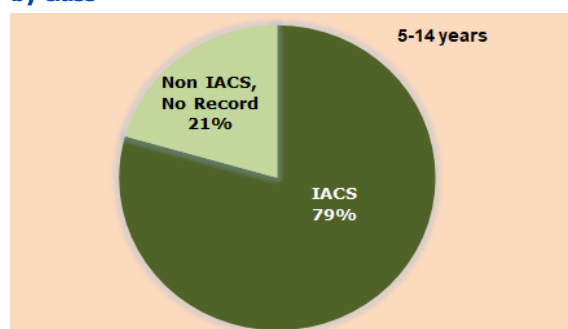
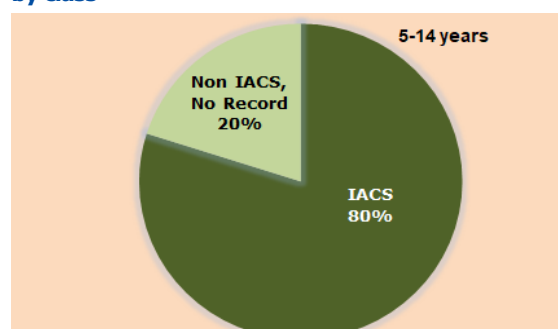
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	35	0.6%	59	4.2%	94	1.4%
Specialized Cargo Ships	8	0.1%			8	0.1%
Container Ships	530	9.8%	432	30.6%	962	14.1%
Ro-Ro Cargo Ships	265	4.9%	98	6.9%	363	5.3%
Bulk Carriers	3,234	59.5%	409	29.0%	3,643	53.2%
Oil and Chemical Tankers	1,185	21.8%	330	23.4%	1,515	22.1%
Gas Tankers	71	1.3%	45	3.2%	116	1.7%
Other Tankers	2	0.0%	1	0.0%	3	0.0%
Passenger Ships	55	1.0%	10	0.7%	65	0.9%
Offshore Vessels	38	0.7%	26	1.8%	64	0.9%
Service Ships	11	0.2%	1	0.0%	12	0.2%
Tugs						
Fishing Vessels						
Total	5,434	100%	1,411	100%	6,845	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,211	0.6%	2,136	4.1%	3,347	1.3%
Specialized Cargo Ships	313	0.1%			313	0.1%
Container Ships	21,459	10.3%	16,561	31.5%	38,020	14.5%
Ro-Ro Cargo Ships	12,640	6.0%	4,716	9.0%	17,356	6.6%
Bulk Carriers	123,680	59.1%	14,308	27.2%	137,988	52.7%
Oil and Chemical Tankers	42,662	20.4%	11,333	21.5%	53,995	20.6%
Gas Tankers	3,188	1.5%	1,987	3.8%	5,175	2.0%
Other Tankers	68	0.0%	31	0.1%	99	0.0%
Passenger Ships	1,938	0.9%	331	0.6%	2,269	0.9%
Offshore Vessels	1,634	0.8%	1,147	2.2%	2,781	1.1%
Service Ships	410	0.2%	47	0.1%	457	0.2%
Tugs						
Fishing Vessels						
Total	209,203	100%	52,597	100%	261,800	100%

Source: Equasis - IACS membership on 31/12/2018

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

5-14 YEAR OLD VERY LARGE SHIPS

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

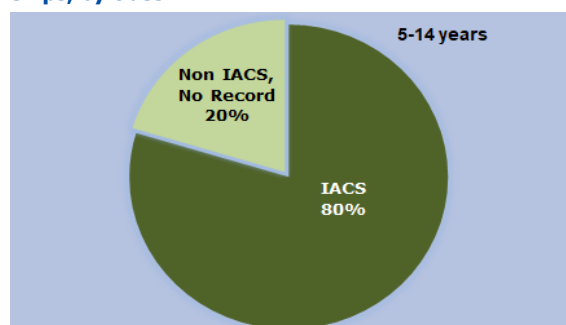
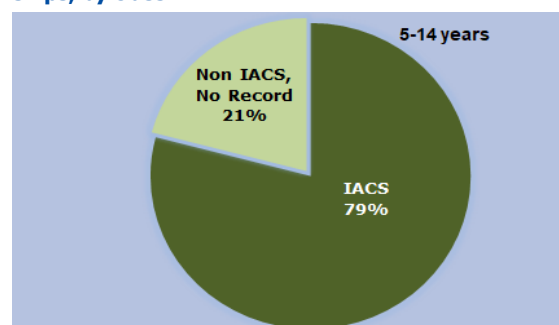
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships	1	0.0%	1	0.1%	2	0.1%
Container Ships	569	20.0%	284	39.2%	853	23.9%
Ro-Ro Cargo Ships	114	4.0%	23	3.2%	137	3.8%
Bulk Carriers	1,074	37.8%	98	13.5%	1,172	32.9%
Oil and Chemical Tankers	797	28.1%	213	29.4%	1,010	28.3%
Gas Tankers	190	6.7%	43	5.9%	233	6.5%
Other Tankers						
Passenger Ships	42	1.5%	27	3.7%	69	1.9%
Offshore Vessels	51	1.8%	35	4.8%	86	2.4%
Service Ships			1	0.1%	1	0.0%
Tugs						
Fishing Vessels						
Total	2,838	100%	725	100%	3,563	100%

Source: Equasis - IACS membership on 31/12/2018

Table 46 - Gross tonnage (in 1000 GT) of 5-14 year 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	61	0.0%	92	0.1%	153	0.0%
Container Ships	57,375	19.9%	31,945	41.9%	89,320	24.5%
Ro-Ro Cargo Ships	7,300	2.5%	1,530	2.0%	8,830	2.4%
Bulk Carriers	104,307	36.2%	11,143	14.6%	115,450	31.7%
Oil and Chemical Tankers	88,201	30.6%	19,558	25.7%	107,759	29.6%
Gas Tankers	21,463	7.5%	4,816	6.3%	26,279	7.2%
Other Tankers						
Passenger Ships	4,450	1.5%	3,200	4.2%	7,650	2.1%
Offshore Vessels	4,734	1.6%	3,468	4.6%	8,202	2.3%
Service Ships			403	0.5%	403	0.1%
Tugs						
Fishing Vessels						
Total	287,891	100%	76,155	100%	364,046	100%

Source: Equasis - IACS membership on 31/12/2018

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

15-24 YEAR OLD SHIPS

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

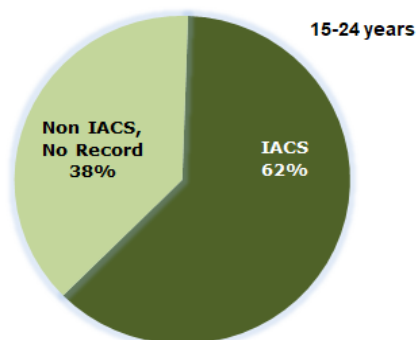
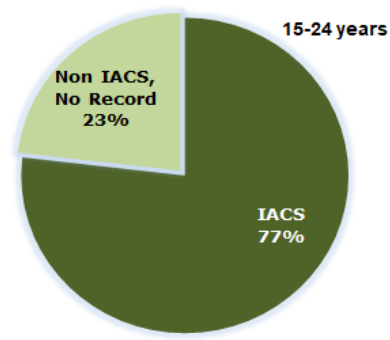
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,196	17.0%	956	22.2%	2,152	19.0%
Specialized Cargo Ships	32	0.5%	1	0.0%	33	0.3%
Container Ships	856	12.2%	523	12.1%	1,379	12.2%
Ro-Ro Cargo Ships	306	4.4%	67	1.6%	373	3.3%
Bulk Carriers	1,611	22.9%	226	5.2%	1,837	16.2%
Oil and Chemical Tankers	1,683	24.0%	611	14.2%	2,294	20.2%
Gas Tankers	341	4.9%	63	1.5%	404	3.6%
Other Tankers	48	0.7%	22	0.5%	70	0.6%
Passenger Ships	368	5.2%	415	9.6%	783	6.9%
Offshore Vessels	338	4.8%	351	8.2%	689	6.1%
Service Ships	162	2.3%	243	5.6%	405	3.6%
Tugs	66	0.9%	45	1.0%	111	1.0%
Fishing Vessels	17	0.2%	782	18.2%	799	7.1%
Total	7,024	100%	4,305	100%	11,329	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	7,883	4.3%	4,817	8.7%	12,700	5.3%
Specialized Cargo Ships	573	0.3%	6	0.0%	579	0.2%
Container Ships	25,484	13.8%	14,076	25.3%	39,560	16.5%
Ro-Ro Cargo Ships	10,211	5.5%	1,592	2.9%	11,803	4.9%
Bulk Carriers	53,883	29.2%	5,342	9.6%	59,225	24.7%
Oil and Chemical Tankers	60,399	32.8%	15,772	28.4%	76,171	31.8%
Gas Tankers	10,472	5.7%	1,378	2.5%	11,850	4.9%
Other Tankers	215	0.1%	98	0.2%	313	0.1%
Passenger Ships	9,049	4.9%	4,069	7.3%	13,118	5.5%
Offshore Vessels	4,609	2.5%	6,640	12.0%	11,249	4.7%
Service Ships	1,382	0.8%	714	1.3%	2,096	0.9%
Tugs	59	0.0%	42	0.1%	101	0.0%
Fishing Vessels	28	0.0%	993	1.8%	1,021	0.4%
Total	184,247	100%	55,539	100%	239,786	100%

Source: Equasis - IACS membership on 31/12/2018

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

15-24 YEAR OLD MEDIUM SIZED SHIPS

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

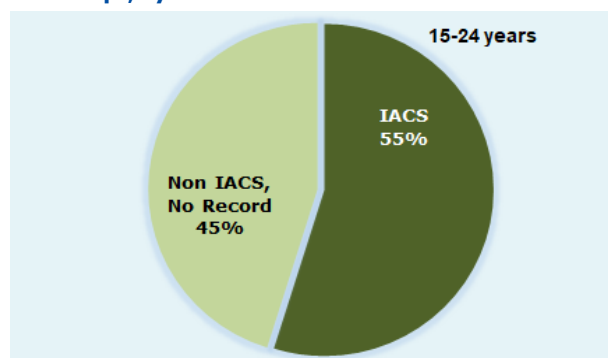
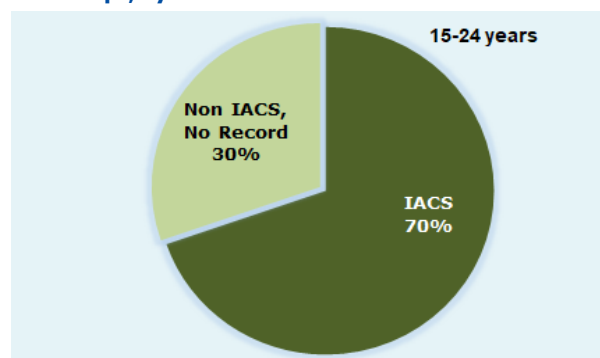
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,179	27.3%	911	25.6%	2,090	26.6%
Specialized Cargo Ships	23	0.5%	1	0.0%	24	0.3%
Container Ships	499	11.6%	270	7.6%	769	9.8%
Ro-Ro Cargo Ships	141	3.3%	47	1.3%	188	2.4%
Bulk Carriers	529	12.3%	123	3.5%	652	8.3%
Oil and Chemical Tankers	899	20.8%	397	11.2%	1,296	16.5%
Gas Tankers	229	5.3%	47	1.3%	276	3.5%
Other Tankers	46	1.1%	20	0.6%	66	0.8%
Passenger Ships	228	5.3%	373	10.5%	601	7.6%
Offshore Vessels	302	7.0%	297	8.4%	599	7.6%
Service Ships	156	3.6%	242	6.8%	398	5.1%
Tugs	66	1.5%	45	1.3%	111	1.4%
Fishing Vessels	17	0.9%	782	21.9%	799	10.1%
Total	4,314	100%	3,555	100%	7,869	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	7,377	21.1%	3,315	21.8%	10,692	21.3%
Specialized Cargo Ships	205	0.6%	6	0.0%	211	0.4%
Container Ships	5,976	17.1%	2,816	18.5%	8,792	17.5%
Ro-Ro Cargo Ships	1,873	5.4%	462	3.0%	2,335	4.7%
Bulk Carriers	7,875	22.5%	1,289	8.5%	9,164	18.3%
Oil and Chemical Tankers	7,000	20.0%	3,280	21.6%	10,280	20.5%
Gas Tankers	1,245	3.6%	358	2.4%	1,603	3.2%
Other Tankers	159	0.5%	32	0.2%	191	0.4%
Passenger Ships	1,513	4.3%	1,121	7.4%	2,634	5.2%
Offshore Vessels	690	2.0%	881	5.8%	1,571	3.1%
Service Ships	999	2.9%	607	4.0%	1,606	3.2%
Tugs	59	0.2%	42	0.3%	101	0.2%
Fishing Vessels	28	0.0%	993	6.5%	1,021	2.0%
Total	34,999	100%	15,202	100%	50,201	100%

Source: Equasis - IACS membership on 31/12/2018

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

15-24 YEAR OLD LARGE SHIPS

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

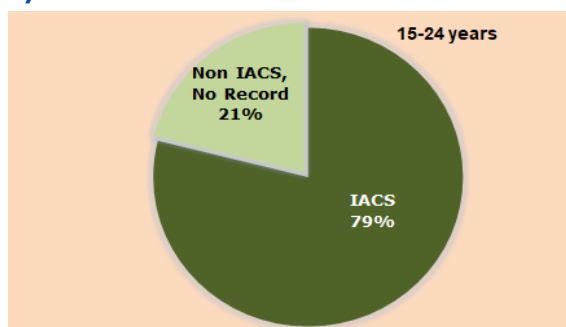
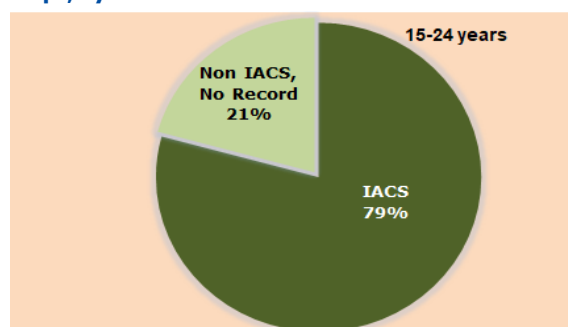
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	17	0.9%	45	8.8%	62	2.5%
Specialized Cargo Ships	9	0.5%			9	0.4%
Container Ships	184	9.6%	188	36.6%	372	15.3%
Ro-Ro Cargo Ships	139	7.2%	13	2.5%	152	6.2%
Bulk Carriers	927	48.3%	94	18.3%	1,021	42.0%
Oil and Chemical Tankers	499	26.0%	135	26.3%	634	26.1%
Gas Tankers	39	2.0%	9	1.8%	48	2.0%
Other Tankers	2	0.1%	2	0.4%	4	0.2%
Passenger Ships	90	4.7%	16	3.1%	106	4.4%
Offshore Vessels	10	0.5%	11	2.1%	21	0.9%
Service Ships	4	0.2%			4	0.2%
Tugs						
Fishing Vessels						
Total	1,920	100%	513	100%	2,433	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	506	0.7%	1,502	8.1%	2,008	2.3%
Specialized Cargo Ships	368	0.5%			368	0.4%
Container Ships	6,529	9.3%	6,588	35.6%	13,117	14.7%
Ro-Ro Cargo Ships	6,626	9.4%	663	3.6%	7,289	8.2%
Bulk Carriers	31,829	45.1%	3,083	16.7%	34,912	39.2%
Oil and Chemical Tankers	19,078	27.0%	5,153	27.9%	24,231	27.2%
Gas Tankers	1,736	2.5%	329	1.8%	2,065	2.3%
Other Tankers	56	0.1%	66	0.4%	122	0.1%
Passenger Ships	3,167	4.5%	545	2.9%	3,712	4.2%
Offshore Vessels	506	0.7%	559	3.0%	1,065	1.2%
Service Ships	137	0.2%			137	0.2%
Tugs						
Fishing Vessels						
Total	70,538	100%	18,488	100%	89,026	100%

Source: Equasis - IACS membership on 31/12/2018

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

15-24 YEAR OLD VERY LARGE SHIPS

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

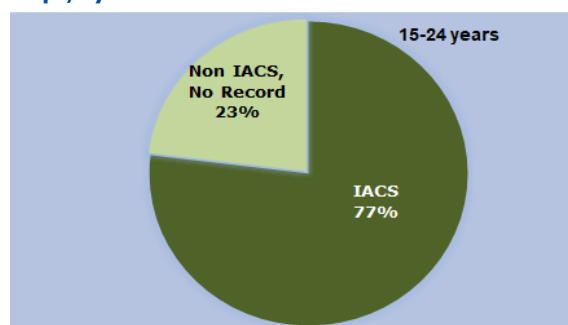
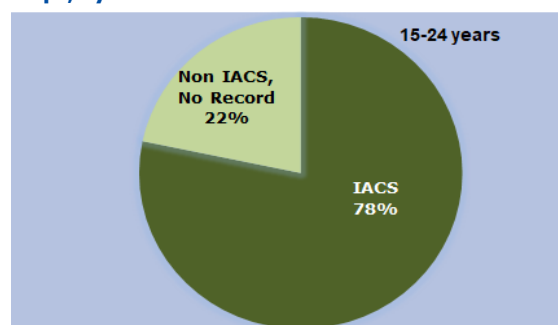
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	173	21.9%	65	27.4%	238	23.2%
Ro-Ro Cargo Ships	26	3.3%	7	3.0%	33	3.2%
Bulk Carriers	155	19.6%	9	3.8%	164	16.0%
Oil and Chemical Tankers	285	36.1%	79	33.3%	364	35.4%
Gas Tankers	73	9.2%	7	3.0%	80	7.8%
Other Tankers						
Passenger Ships	50	6.3%	26	11.0%	76	7.4%
Offshore Vessels	26	3.3%	43	18.1%	69	6.7%
Service Ships	2	0.3%	1	0.4%	3	0.3%
Tugs						
Fishing Vessels						
Total	790	100%	237	100%	1,027	100%

Source: Equasis - IACS membership on 31/12/2018

Table 54 - Gross tonnage (in 1000 GT) of 15-24 year 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	12,979	16.5%	4,672	21.4%	17,651	17.6%
Ro-Ro Cargo Ships	1,712	2.2%	467	2.1%	2,179	2.2%
Bulk Carriers	14,179	18.0%	970	4.4%	15,149	15.1%
Oil and Chemical Tankers	34,321	43.6%	7,339	33.6%	41,660	41.4%
Gas Tankers	7,491	9.5%	691	3.2%	8,182	8.1%
Other Tankers						
Passenger Ships	4,369	5.6%	2,403	11.0%	6,772	6.7%
Offshore Vessels	3,413	4.3%	5,200	23.8%	8,613	8.6%
Service Ships	246	0.3%	107	0.5%	353	0.4%
Tugs						
Fishing Vessels						
Total	78,710	100%	21,849	100%	100,559	100%

Source: Equasis - IACS membership on 31/12/2018

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

25+ YEAR OLD SHIPS

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

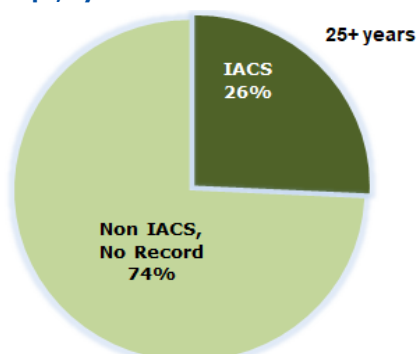
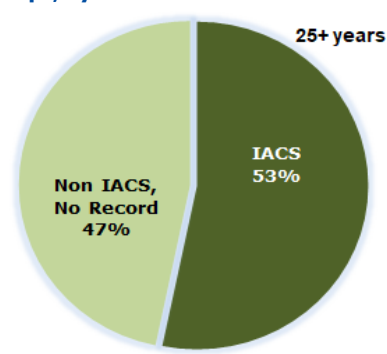
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,455	32.1%	3,913	29.9%	5,368	30.5%
Specialized Cargo Ships	74	1.6%	70	0.5%	144	0.8%
Container Ships	116	2.6%	136	1.0%	252	1.4%
Ro-Ro Cargo Ships	129	2.8%	190	1.5%	319	1.8%
Bulk Carriers	432	9.5%	314	2.4%	746	4.2%
Oil and Chemical Tankers	570	12.6%	1,697	13.0%	2,267	12.9%
Gas Tankers	127	2.8%	183	1.4%	310	1.8%
Other Tankers	75	1.7%	189	1.4%	264	1.5%
Passenger Ships	455	10.0%	995	7.6%	1,450	8.2%
Offshore Vessels	425	9.4%	996	7.6%	1,421	8.1%
Service Ships	415	9.2%	1,003	7.7%	1,418	8.1%
Tugs	163	3.6%	304	2.3%	467	2.7%
Fishing Vessels	94	2.1%	3,079	23.6%	3,173	18.0%
Total	4,530	100%	13,069	100%	17,599	100%

Source: Equasis - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	5,791	13.1%	8,972	23.1%	14,763	17.8%
Specialized Cargo Ships	1,209	2.7%	489	1.3%	1,698	2.0%
Container Ships	1,881	4.3%	1,832	4.7%	3,713	4.5%
Ro-Ro Cargo Ships	2,024	4.6%	1,098	2.8%	3,122	3.8%
Bulk Carriers	10,703	24.2%	3,632	9.4%	14,335	17.3%
Oil and Chemical Tankers	2,950	6.7%	4,564	11.8%	7,514	9.1%
Gas Tankers	3,181	7.2%	706	1.8%	3,887	4.7%
Other Tankers	121	0.3%	242	0.6%	363	0.4%
Passenger Ships	5,297	12.0%	3,700	9.5%	8,997	10.8%
Offshore Vessels	8,777	19.9%	7,275	18.8%	16,052	19.4%
Service Ships	1,794	4.1%	2,029	5.2%	3,823	4.6%
Tugs	155	0.4%	260	0.7%	415	0.5%
Fishing Vessels	283	0.6%	3,984	10.3%	4,267	5.1%
Total	44,166	100%	38,783	100%	82,949	100%

Source: Equasis - IACS membership on 31/12/2018

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

25+ YEAR OLD MEDIUM SIZED SHIPS

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

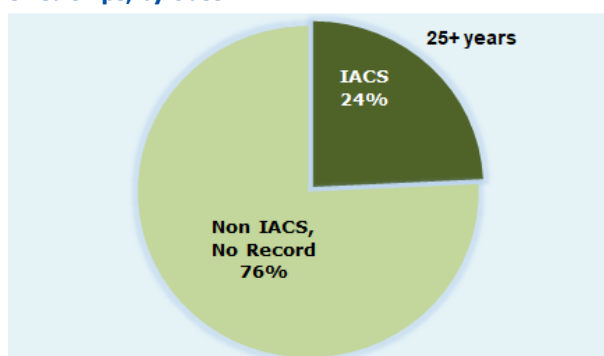
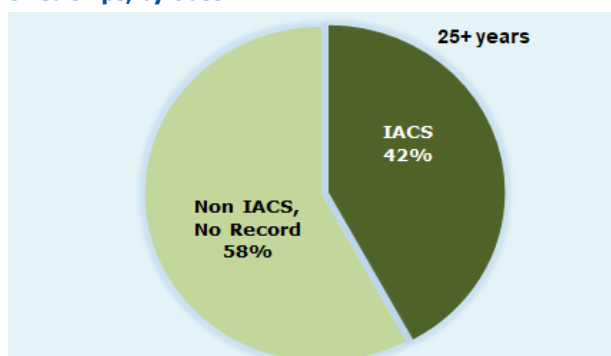
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,440	35.0%	3,900	30.3%	5,340	31.5%
Specialized Cargo Ships	50	1.2%	63	0.5%	113	0.7%
Container Ships	94	2.3%	108	0.8%	202	1.2%
Ro-Ro Cargo Ships	110	2.7%	187	1.5%	297	1.7%
Bulk Carriers	314	7.6%	272	2.1%	586	3.5%
Oil and Chemical Tankers	551	13.4%	1,681	13.1%	2,232	13.1%
Gas Tankers	86	2.1%	178	1.4%	264	1.6%
Other Tankers	75	1.8%	189	1.5%	264	1.6%
Passenger Ships	392	9.5%	963	7.5%	1,355	8.0%
Offshore Vessels	342	8.3%	934	7.3%	1,276	7.5%
Service Ships	408	9.9%	1,000	7.8%	1,408	8.3%
Tugs	163	4.0%	304	2.4%	467	2.8%
Fishing Vessels	92	2.2%	3,078	23.9%	3,170	18.7%
Total	4,117	100%	12,857	100%	16,974	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	5,346	27.8%	8,605	32.5%	13,951	30.6%
Specialized Cargo Ships	324	1.7%	239	0.9%	563	1.2%
Container Ships	1,110	5.8%	763	2.9%	1,873	4.1%
Ro-Ro Cargo Ships	1,150	6.0%	966	3.7%	2,116	4.6%
Bulk Carriers	3,126	16.3%	1,589	6.0%	4,715	10.3%
Oil and Chemical Tankers	2,047	10.7%	3,860	14.6%	5,907	12.9%
Gas Tankers	463	2.4%	291	1.1%	754	1.7%
Other Tankers	121	0.6%	242	0.9%	363	0.8%
Passenger Ships	2,809	14.6%	2,387	9.0%	5,196	11.4%
Offshore Vessels	852	4.4%	1,412	5.3%	2,264	5.0%
Service Ships	1,481	7.7%	1,899	7.2%	3,380	7.4%
Tugs	155	0.8%	260	1.0%	415	0.9%
Fishing Vessels	219	1.1%	3,935	14.8%	4,154	9.1%
Total	19,203	100%	26,448	100%	45,651	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018

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

25+ YEAR OLD LARGE SHIPS

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

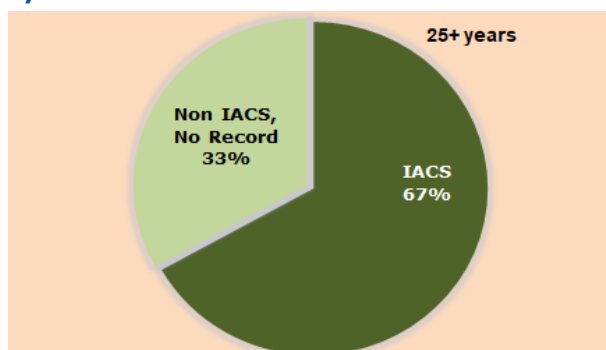
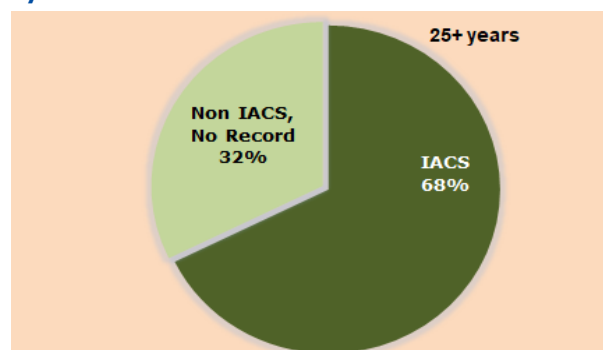
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	15	4.9%	13	8.6%	28	6.1%
Specialized Cargo Ships	24	7.9%	7	4.6%	31	6.8%
Container Ships	22	7.2%	28	18.5%	50	11.0%
Ro-Ro Cargo Ships	19	6.2%	3	2.0%	22	4.8%
Bulk Carriers	89	29.2%	35	23.2%	124	27.2%
Oil and Chemical Tankers	15	4.9%	14	9.3%	29	6.4%
Gas Tankers	24	7.9%	2	1.3%	26	5.7%
Other Tankers						
Passenger Ships	57	18.7%	29	19.2%	86	18.9%
Offshore Vessels	32	10.5%	17	11.3%	49	10.7%
Service Ships	6	2.0%	2	1.3%	8	1.8%
Tugs						
Fishing Vessels	2	0.6%	1	0.3%	3	0.7%
Total	305	100%	151	100%	456	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	445	3.8%	367	6.6%	812	4.7%
Specialized Cargo Ships	885	7.6%	250	4.5%	1,135	6.6%
Container Ships	771	6.6%	1,069	19.2%	1,840	10.7%
Ro-Ro Cargo Ships	874	7.5%	132	2.4%	1,006	5.8%
Bulk Carriers	3,176	27.2%	1,193	21.5%	4,369	25.4%
Oil and Chemical Tankers	582	5.0%	544	9.8%	1,126	6.5%
Gas Tankers	1,059	9.1%	88	1.6%	1,147	6.7%
Other Tankers						
Passenger Ships	2,065	17.7%	1,091	19.6%	3,156	18.3%
Offshore Vessels	1,495	12.8%	714	12.9%	2,209	12.8%
Service Ships	249	2.1%	59	1.1%	308	1.8%
Tugs						
Fishing Vessels	64	0.1%	49	0.4%	113	0.7%
Total	11,665	100%	5,556	100%	17,221	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

25+ YEAR OLD VERY LARGE SHIPS

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

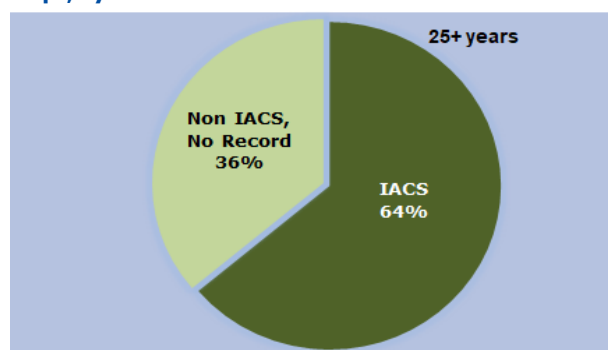
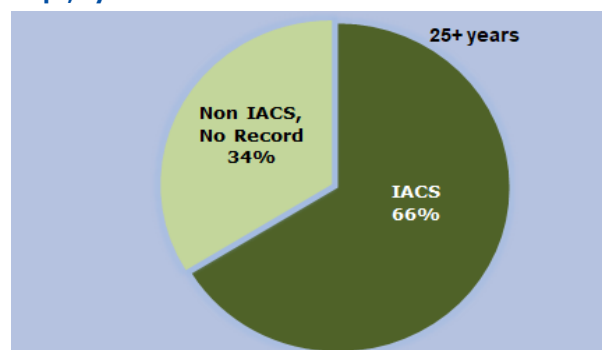
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships						
Bulk Carriers	29	26.9%	7	11.5%	36	21.3%
Oil and Chemical Tankers	4	3.7%	2	3.3%	6	3.6%
Gas Tankers	17	15.7%	3	4.9%	20	11.8%
Other Tankers						
Passenger Ships	6	5.6%	3	4.9%	9	5.3%
Offshore Vessels	51	47.2%	45	73.8%	96	56.8%
Service Ships	1	0.9%	1	1.6%	2	1.2%
Tugs						
Fishing Vessels						
Total	108	100%	61	100%	169	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

Table 62 - Gross tonnage (in 1000 GT) of 25+ year 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	4,401	33.1%	850	12.5%	5,251	26.2%
Oil and Chemical Tankers	321	2.4%	160	2.4%	481	2.4%
Gas Tankers	1,659	12.5%	327	4.8%	1,986	9.9%
Other Tankers						
Passenger Ships	423	3.2%	222	3.3%	645	3.2%
Offshore Vessels	6,430	48.4%	5,149	76.0%	11,579	57.7%
Service Ships	64	0.5%	71	1.0%	135	0.7%
Tugs						
Fishing Vessels						
Total	13,298	100%	6,779	100%	20,077	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

Graph 60 - Total number of 25+ year old very large ships, by class**Graph 61 - Gross tonnage of 25+ year 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	2,210	18.9%	3,586	40.7%	5,796	2,669	11.7%	3,439	17.5%	6,108
Specialized Cargo Ships	50	0.4%	63	0.7%	113	148	0.6%	32	0.2%	180
Container Ships	858	7.3%	742	8.4%	1,600	2,202	9.6%	1,390	7.1%	3,592
Ro-Ro Cargo Ships	333	2.8%	185	2.1%	518	655	2.9%	268	1.4%	923
Bulk Carriers	3,838	32.8%	507	5.8%	4,345	5,845	25.5%	1,423	7.3%	7,268
Oil and Chemical Tankers	2,322	19.9%	1,319	15.0%	3,641	5,539	24.2%	2,646	13.5%	8,185
Gas Tankers	429	3.7%	101	1.1%	530	1,046	4.6%	383	2.0%	1,429
Other Tankers	99	0.8%	94	1.1%	193	330	1.4%	187	1.0%	517
Passenger Ships	359	3.1%	725	8.2%	1,084	851	3.7%	1,319	6.7%	2,170
Offshore Vessels	955	8.2%	569	6.5%	1,524	2,154	9.4%	2,062	10.5%	4,216
Service Ships	162	1.4%	443	5.0%	605	845	3.7%	1,333	6.8%	2,178
Tugs	59	0.5%	97	1.1%	156	473	2.1%	412	2.1%	885
Fishing Vessels	14	0.1%	378	4.3%	392	133	0.6%	4,722	24.1%	4,855
Total	11,688	100%	8,809	100%	20,497	22,890	100%	19,616	100%	42,506

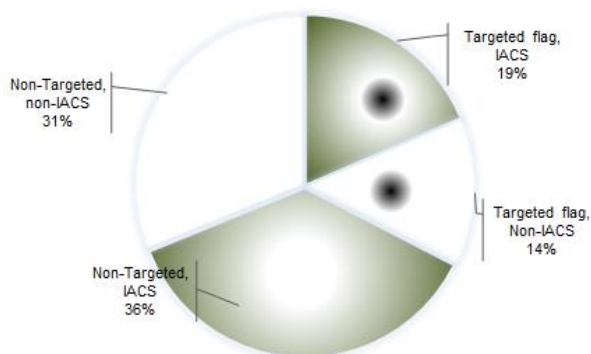
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

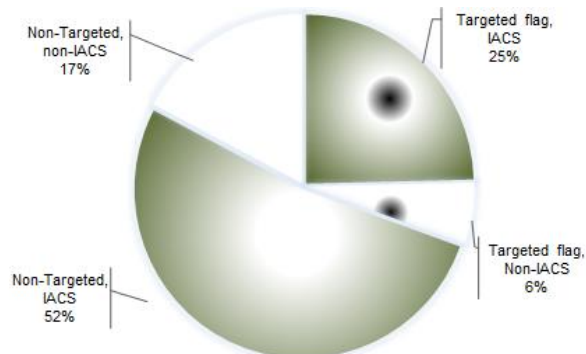
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	13,591	4.1%	10,484	13.2%	24,075	18,543	2.6%	15,115	6.5%	33,658
Specialized Cargo Ships	700	0.2%	273	0.3%	973	2,843	0.4%	645	0.3%	3,488
Container Ships	37,465	11.3%	28,089	35.4%	65,554	115,816	16.4%	58,558	25.1%	174,374
Ro-Ro Cargo Ships	14,118	4.3%	3,369	4.2%	17,487	24,199	3.4%	8,081	3.5%	32,280
Bulk Carriers	153,902	46.4%	8,782	11.1%	162,684	254,682	36.2%	40,156	17.2%	294,838
Oil and Chemical Tankers	80,018	24.1%	16,973	21.4%	96,991	196,364	27.9%	51,568	22.1%	247,932
Gas Tankers	16,306	4.9%	2,307	2.9%	18,613	45,704	6.5%	12,348	5.3%	58,052
Other Tankers	368	0.1%	164	0.2%	532	1,434	0.2%	410	0.2%	1,844
Passenger Ships	7,571	2.3%	3,711	4.7%	11,282	17,278	2.5%	12,222	5.2%	29,500
Offshore Vessels	6,868	2.1%	3,194	4.0%	10,062	21,627	3.1%	23,707	10.2%	45,334
Service Ships	923	0.3%	1,499	1.9%	2,422	4,737	0.7%	3,613	1.6%	8,350
Tugs	61	0.0%	86	0.1%	147	496	0.1%	380	0.2%	876
Fishing Vessels	40	0.0%	527	0.7%	567	338	0.0%	6,278	2.7%	6,616
Total	331,931	100%	79,458	100%	411,389	704,061	100%	233,081	100%	937,142

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

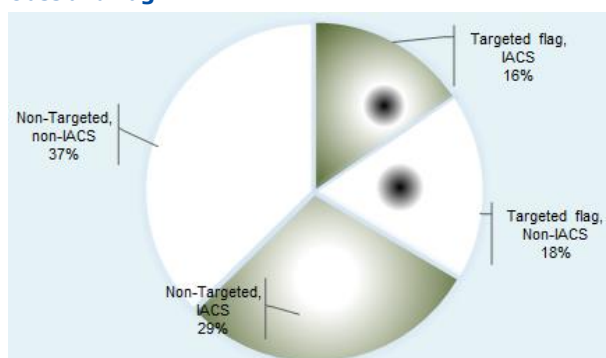
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	2,177	31.3%	3,574	44.7%	5,751	2,593	19.8%	3,315	19.9%	5,908
Specialized Cargo Ships	39	0.6%	62	0.8%	101	105	0.8%	21	0.1%	126
Container Ships	451	6.5%	399	5.0%	850	812	6.2%	551	3.3%	1,363
Ro-Ro Cargo Ships	90	1.3%	133	1.7%	223	261	2.0%	145	0.9%	406
Bulk Carriers	1,160	16.7%	393	4.9%	1,553	1,487	11.4%	748	4.5%	2,235
Oil and Chemical Tankers	1,305	18.8%	1,106	13.8%	2,411	2,908	22.2%	1,922	11.5%	4,830
Gas Tankers	237	3.4%	79	1.0%	316	571	4.4%	229	1.4%	800
Other Tankers	97	1.4%	94	1.2%	191	323	2.5%	184	1.1%	507
Passenger Ships	273	3.9%	696	8.7%	969	605	4.6%	1,219	7.3%	1,824
Offshore Vessels	897	12.9%	548	6.9%	1,445	1,975	15.1%	1,877	11.3%	3,852
Service Ships	156	2.2%	439	5.5%	595	826	6.3%	1,329	8.0%	2,155
Tugs	59	0.8%	97	1.2%	156	473	3.6%	412	2.5%	885
Fishing Vessels	14	0.2%	377	4.7%	391	131	1.0%	4,722	28.3%	4,853
Total	6,955	100%	7,997	100%	14,952	13,070	100%	16,674	100%	29,744

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018Table 66 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships by type, class and flag

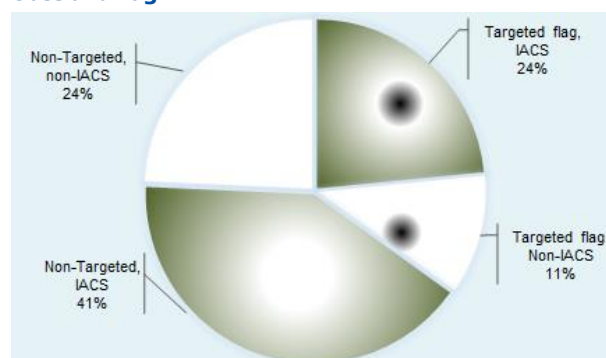
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	12,487	22.5%	10,149	37.5%	22,636	16,128	16.7%	10,879	18.9%	27,007
Specialized Cargo Ships	251	0.5%	243	0.9%	494	1,106	1.1%	167	0.3%	1,273
Container Ships	5,241	9.4%	3,805	14.1%	9,046	10,190	10.5%	6,518	11.3%	16,708
Ro-Ro Cargo Ships	1,109	2.0%	766	2.8%	1,875	3,130	3.2%	1,260	2.2%	4,390
Bulk Carriers	19,444	35.0%	3,086	11.4%	22,530	26,025	26.9%	8,119	14.1%	34,144
Oil and Chemical Tankers	10,020	18.0%	3,810	14.1%	13,830	21,135	21.9%	8,958	15.6%	30,093
Gas Tankers	1,801	3.2%	334	1.2%	2,135	3,648	3.8%	1,315	2.3%	4,963
Other Tankers	312	0.6%	164	0.6%	476	1,232	1.3%	313	0.5%	1,545
Passenger Ships	1,754	3.2%	1,597	5.9%	3,351	3,961	4.1%	4,046	7.0%	8,007
Offshore Vessels	2,309	4.2%	1,526	5.6%	3,835	5,511	5.7%	5,928	10.3%	11,439
Service Ships	691	1.2%	990	3.7%	1,681	3,836	4.0%	3,370	5.9%	7,206
Tugs	61	0.1%	86	0.3%	147	496	0.5%	380	0.7%	876
Fishing Vessels	40	0.0%	478	1.78%	518	274	0.3%	6,278	10.9%	6,552
Total	55,520	100%	27,034	100%	82,554	96,672	100%	57,531	100%	154,203

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2018

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%	12	2.5%	45	76	1.2%	124	6.3%	200
Specialized Cargo Ships	11	0.3%	1	0.2%	12	39	0.6%	10	0.5%	49
Container Ships	173	5.4%	194	41.2%	367	637	10.0%	534	27.3%	1,171
Ro-Ro Cargo Ships	173	5.4%	31	6.6%	204	268	4.2%	93	4.7%	361
Bulk Carriers	2,082	64.7%	88	18.7%	2,170	3,377	53.2%	572	29.2%	3,949
Oil and Chemical Tankers	570	17.7%	111	23.6%	681	1,522	24.0%	439	22.4%	1,961
Gas Tankers	99	3.1%	6	1.3%	105	166	2.6%	91	4.6%	257
Other Tankers	2	0.1%			2	7	0.1%	3	0.2%	10
Passenger Ships	44	1.4%	14	3.0%	58	176	2.8%	43	2.2%	219
Offshore Vessels	26	0.8%	10	2.1%	36	65	1.0%	48	2.5%	113
Service Ships	6	0.2%	3	0.6%	9	16	0.3%	2	0.1%	18
Tugs										
Fishing Vessels			1	0.2%	1	2	0.0%			2
Total	3,219	100%	471	100%	3,690	6,351	100%	1,959	100%	8,310

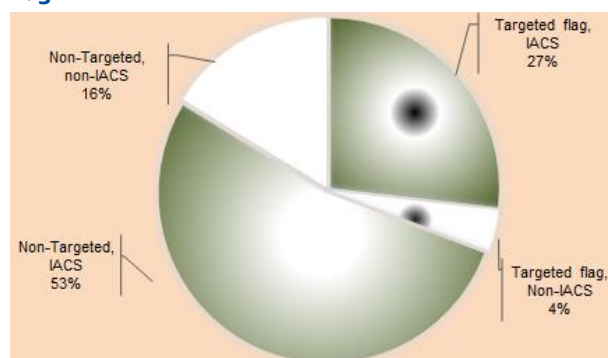
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

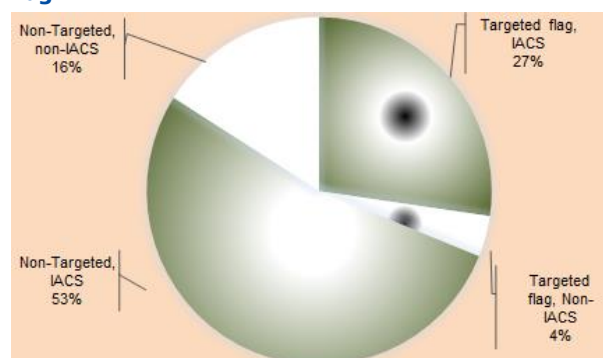
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,104	0.9%	335	1.9%	1,439	2,415	1.0%	4,236	5.9%	6,651
Specialized Cargo Ships	449	0.4%	30	0.2%	479	1,458	0.6%	386	0.5%	1,844
Container Ships	6,635	5.4%	7,011	40.7%	13,646	24,646	10.3%	19,804	27.5%	44,450
Ro-Ro Cargo Ships	8,422	6.8%	1,189	6.9%	9,611	12,546	5.3%	4,741	6.6%	17,287
Bulk Carriers	77,992	63.3%	3,185	18.5%	81,177	126,489	53.0%	19,974	27.7%	146,463
Oil and Chemical Tankers	21,399	17.4%	4,041	23.5%	25,440	53,701	22.5%	15,152	21.0%	68,853
Gas Tankers	4,351	3.5%	297	1.7%	4,648	7,073	3.0%	3,950	5.5%	11,023
Other Tankers	56	0.0%			56	202	0.1%	97	0.1%	299
Passenger Ships	1,405	1.1%	533	3.1%	1,938	6,511	2.7%	1,517	2.1%	8,028
Offshore Vessels	1,123	0.9%	447	2.6%	1,570	2,999	1.3%	2,140	3.0%	5,139
Service Ships	232	0.2%	106	0.6%	338	591	0.2%	65	0.1%	656
Tugs										
Fishing Vessels			49	0.3%	49	64	0.0%			64
Total	123,168	100%	17,223	100%	140,391	238,695	100%	72,062	100%	310,757

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2018

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

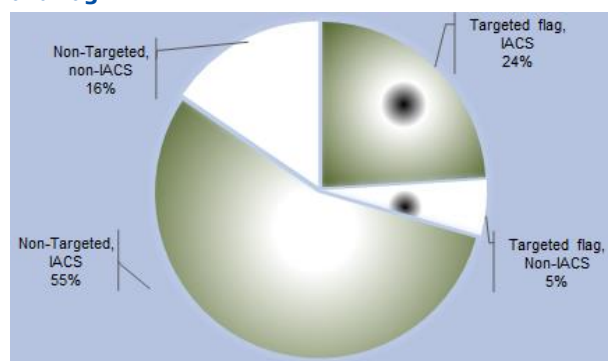
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						4	0.1%	1	0.1%	5
Container Ships	234	15.5%	149	43.7%	383	753	21.7%	305	31.0%	1,058
Ro-Ro Cargo Ships	70	4.6%	21	6.2%	91	126	3.6%	30	3.1%	156
Bulk Carriers	596	39.4%	26	7.6%	622	981	28.3%	103	10.5%	1,084
Oil and Chemical Tankers	447	29.5%	102	29.9%	549	1,109	32.0%	285	29.0%	1,394
Gas Tankers	93	6.1%	16	4.7%	109	309	8.9%	63	6.4%	372
Other Tankers										
Passenger Ships	42	2.8%	15	4.4%	57	70	2.0%	57	5.8%	127
Offshore Vessels	32	2.1%	11	3.2%	43	114	3.3%	137	13.9%	251
Service Ships			1	0.3%	1	3	0.1%	2	0.2%	5
Tugs										
Fishing Vessels										
Total	1,514	100%	341	100%	1,855	3,469	100%	983	100%	4,452

Source: Equasis - ⁽¹⁾ GT≥60.000 - IACS membership on 31/12/2018Table 70 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships by type, class and flag

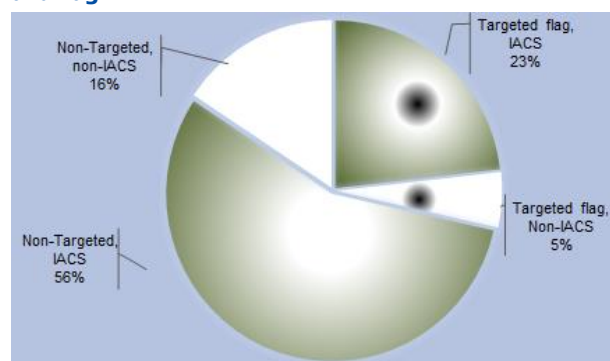
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						279	0.1%	92	0.1%	371
Container Ships	25,589	16.7%	17,273	49.1%	42,862	80,980	22.0%	32,236	31.1%	113,216
Ro-Ro Cargo Ships	4,587	3.0%	1,414	4.0%	6,001	8,523	2.3%	2,080	2.0%	10,603
Bulk Carriers	56,466	36.8%	2,511	7.1%	58,977	102,168	27.7%	12,063	11.7%	114,231
Oil and Chemical Tankers	48,599	31.7%	9,122	25.9%	57,721	121,528	33.0%	27,458	26.5%	148,986
Gas Tankers	10,154	6.6%	1,676	4.8%	11,830	34,983	9.5%	7,083	6.8%	42,066
Other Tankers										
Passenger Ships	4,412	2.9%	1,581	4.5%	5,993	6,806	1.8%	6,659	6.4%	13,465
Offshore Vessels	3,436	2.2%	1,221	3.5%	4,657	13,117	3.6%	15,639	15.1%	28,756
Service Ships			403	1.1%	403	310	0.1%	178	0.2%	488
Tugs										
Fishing Vessels										
Total	153,243	100%	35,201	100%	188,444	368,694	100%	103,488	100%	472,182

Source: Equasis - ⁽¹⁾ GT≥60.000 - IACS membership on 31/12/2018

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 - 2018

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	4.23%	6.05%	4.92%
Specialized Cargo Ships	3.32%	4.66%	3.82%
Container Ships	1.46%	2.02%	1.68%
Ro-Ro Cargo Ships	0.70%	4.83%	1.73%
Bulk Carriers	2.10%	2.67%	2.15%
Oil and Chemical Tankers	1.14%	1.30%	1.17%
Gas Tankers	1.27%	0.95%	1.20%
Other Tankers	2.35%	2.13%	2.33%
Passenger Ships	1.19%	1.23%	1.20%
Offshore Vessels	3.37%	3.00%	3.17%
Service Ships	1.99%	2.72%	2.30%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	0.00%	2.53%	1.57%
Total	2.15%	3.51%	2.48%

Source: Equasis - IACS membership on 31/12/2018 - ^(*) 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 - 2018

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	4.32%	6.47%	5.11%
Specialized Cargo Ships	3.85%	4.91%	4.29%
Container Ships	1.30%	2.84%	1.87%
Ro-Ro Cargo Ships	1.82%	14.15%	7.20%
Bulk Carriers	2.48%	3.70%	2.66%
Oil and Chemical Tankers	1.62%	2.41%	1.75%
Gas Tankers	1.73%	1.68%	1.72%
Other Tankers	2.49%	2.44%	2.49%
Passenger Ships	1.88%	3.66%	2.33%
Offshore Vessels	3.61%	3.21%	3.39%
Service Ships	2.06%	2.76%	2.36%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	0.00%	2.53%	1.57%
Total	2.88%	5.08%	3.51%

Source: Equasis - IACS membership on 31/12/2018 - ^(*) 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 - 2018

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	1.03%	0.24%	0.56%
Specialized Cargo Ships	1.27%	0.00%	1.10%
Container Ships	2.54%	1.79%	2.16%
Ro-Ro Cargo Ships	0.62%	0.00%	0.50%
Bulk Carriers	1.88%	1.80%	1.87%
Oil and Chemical Tankers	0.65%	0.89%	0.70%
Gas Tankers	1.27%	0.70%	1.12%
Other Tankers	0.00%	0.00%	0.00%
Passenger Ships	1.11%	0.00%	0.90%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Fishing Vessels			
Total	1.60%	1.28%	1.54%

Source: Equasis - IACS membership on 31/12/2018 - (*) 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 - 2018

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.90%	1.42%	1.08%
Ro-Ro Cargo Ships	0.34%	1.17%	0.52%
Bulk Carriers	2.16%	1.43%	2.11%
Oil and Chemical Tankers	0.91%	0.19%	0.75%
Gas Tankers	0.25%	0.00%	0.20%
Other Tankers			
Passenger Ships	0.30%	0.00%	0.18%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Fishing Vessels			
Total	1.24%	0.95%	1.17%

Source: Equasis - IACS membership on 31/12/2018 - (*) 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, Black Sea MoU, Indian Ocean MoU (IO MoU), USCG, Viña del Mar MoU, Mediterranean MoU and Caribbean MoU.

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, 59% are covered by one of the members of the IGP&I. This rises to 91% by tonnage.

Graphs 74 to 77 show that 94% of the large and 97% of the very large ship size categories are covered by the members of the IGP&I. Within the medium sized ship category just under a half (44%) are covered by number, which equates to 70% in tonnage.

Comparing Graph 78 with Graph 86 reveals that the age profile of ships covered by the members of the IGP&I is considerably younger than those which are not. Graph 78 shows that 17% of the IGP&I fleet is under 5 years old and only 10% is over 25 years old.

Of the younger fleet, 0-4 year of age, the majority of ships insured by IGP&I are bulk carriers (32.7%). This majority is more marked in the large ship size category of the younger fleet (61.5%). From Table 83, the percentage of fishing vessels, service ships and passenger ships, compared with other ship types, insured with the IGP&I members increase with age, whereas the number of bulk carriers and gas carriers decrease.

For non-IGP&I members the trend is reversed, with only 8% of the fleet under 5 years old being insured by non-IGP&I members, in comparison to 54% of the fleet over 25 years old. Table 91 shows that 32.7% of the older fleet insured by non-IGP&I members are general cargo ships and 19.9% are fishing vessels. The percentage of general cargo vessels compared with other ship types, insured with the IGP&I members increase with age, whereas the percentage of container ships and service ships drop.

Graph 94, 96, 98 and 100 show that the number of ships registered to a targeted flag and insured by the the IGP&I, increases from 14% of the fleet for medium sized ships to 29% in very large ships

However, Table 107 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2018 compared to the one of those that are

members (6.95% compared with 1.67%, 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	
	Count	%	Count	%	Count	%
General Cargo Ships	4,034	10.9%	7,870	30.4%	11,904	18.9%
Specialized Cargo Ships	162	0.4%	131	0.5%	293	0.5%
Container Ships	4,545	12.3%	647	2.5%	5,192	8.2%
Ro-Ro Cargo Ships	1,064	2.9%	377	1.5%	1,441	2.3%
Bulk Carriers	9,784	26.4%	1,829	7.1%	11,613	18.4%
Oil and Chemical Tankers	8,503	22.9%	3,323	12.8%	11,826	18.8%
Gas Tankers	1,582	4.3%	377	1.5%	1,959	3.1%
Other Tankers	381	1.0%	329	1.3%	710	1.1%
Passenger Ships	1,268	3.4%	1,986	7.7%	3,254	5.2%
Offshore Vessels	3,719	10.0%	2,021	7.8%	5,740	9.1%
Service Ships	786	2.1%	1,997	7.7%	2,783	4.4%
Tugs	484	1.3%	557	2.1%	1,041	1.7%
Fishing Vessels	781	2.1%	4,466	17.2%	5,247	8.3%
Total	37,093	100%	25,910	100%	63,003	100%

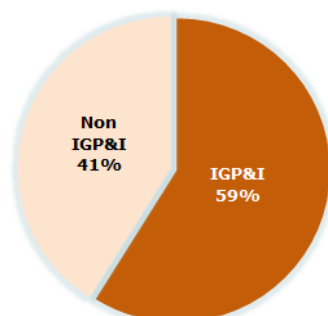
Source: Equasis

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

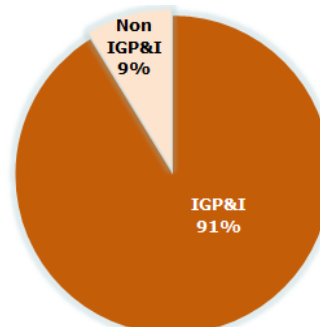
Ship Type	IGP&I		Non IGP&I		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	34,864	2.8%	22,868	19.3%	57,732	4.3%
Specialized Cargo Ships	3,680	0.3%	781	0.7%	4,461	0.3%
Container Ships	231,015	18.8%	8,912	7.5%	239,927	17.8%
Ro-Ro Cargo Ships	46,324	3.8%	3,444	2.9%	49,768	3.7%
Bulk Carriers	430,229	35.0%	27,293	23.1%	457,522	33.9%
Oil and Chemical Tankers	322,839	26.2%	22,084	18.7%	344,923	25.6%
Gas Tankers	75,275	6.1%	1,390	1.2%	76,665	5.7%
Other Tankers	1,881	0.2%	496	0.4%	2,377	0.2%
Passenger Ships	34,042	2.8%	6,738	5.7%	40,780	3.0%
Offshore Vessels	42,149	3.4%	13,246	11.2%	55,395	4.1%
Service Ships	5,595	0.5%	5,179	4.4%	10,774	0.8%
Tugs	523	0.0%	501	0.4%	1,024	0.1%
Fishing Vessels	1,746	0.1%	5,438	4.6%	7,184	0.5%
Total	1,230,162	100%	118,370	100%	1,348,532	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



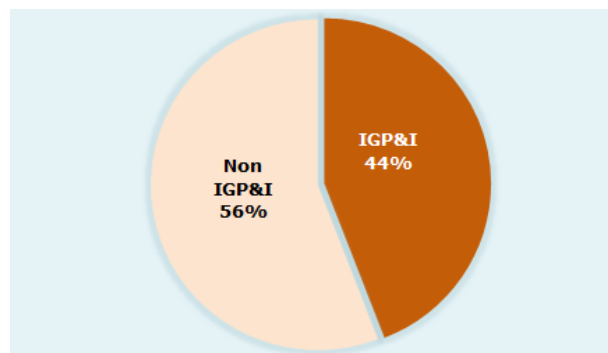
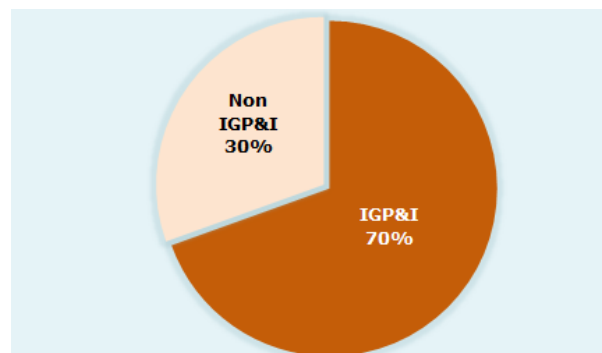
MEDIUM SIZED SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	3,797	19.3%	7,862	31.5%	11,659	26.1%
Specialized Cargo Ships	98	0.5%	129	0.5%	227	0.5%
Container Ships	1,680	8.5%	533	2.1%	2,213	5.0%
Ro-Ro Cargo Ships	271	1.4%	358	1.4%	629	1.4%
Bulk Carriers	2,443	12.4%	1,345	5.4%	3,788	8.5%
Oil and Chemical Tankers	4,068	20.6%	3,173	12.7%	7,241	16.2%
Gas Tankers	752	3.8%	364	1.5%	1,116	2.5%
Other Tankers	370	1.9%	328	1.3%	698	1.6%
Passenger Ships	820	4.2%	1,973	7.9%	2,793	6.2%
Offshore Vessels	3,401	17.2%	1,896	7.6%	5,297	11.9%
Service Ships	758	3.8%	1,992	8.0%	2,750	6.2%
Tugs	484	2.5%	557	2.2%	1,041	2.3%
Fishing Vessels	781	4.0%	4,463	17.9%	5,244	11.7%
Total	19,723	100%	24,973	100%	44,696	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	
	Count	%	Count	%	Count	%
General Cargo Ships	27,007	16.4%	22,636	31.3%	49,643	21.0%
Specialized Cargo Ships	1,120	0.7%	647	0.9%	1,767	0.7%
Container Ships	21,741	13.2%	4,013	5.6%	25,754	10.9%
Ro-Ro Cargo Ships	3,742	2.3%	2,523	3.5%	6,265	2.6%
Bulk Carriers	45,454	27.6%	11,220	15.5%	56,674	23.9%
Oil and Chemical Tankers	34,799	21.1%	9,124	12.6%	43,923	18.6%
Gas Tankers	6,350	3.9%	748	1.0%	7,098	3.0%
Other Tankers	1,555	0.9%	467	0.6%	2,022	0.9%
Passenger Ships	5,018	3.0%	6,339	8.8%	11,357	4.8%
Offshore Vessels	11,557	7.0%	3,716	5.1%	15,273	6.5%
Service Ships	3,938	2.4%	4,950	6.9%	8,888	3.8%
Tugs	523	0.3%	501	0.7%	1,024	0.4%
Fishing Vessels	1,746	1.1%	5,324	7.4%	7,070	3.0%
Total	164,550	100%	72,208	100%	236,758	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**

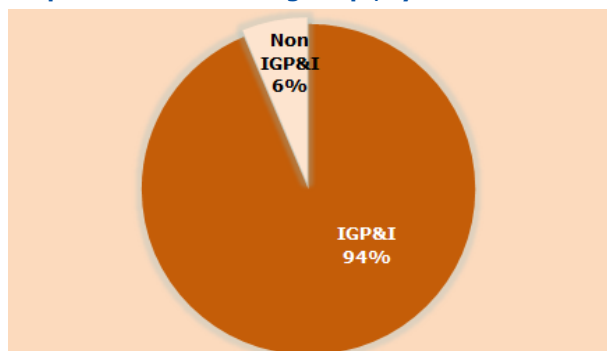
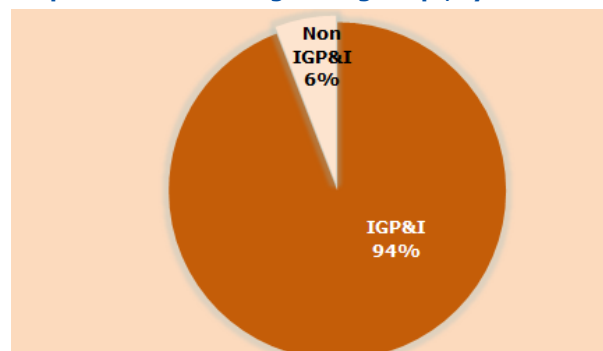
LARGE SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	237	2.1%	8	1.1%	245	2.0%
Specialized Cargo Ships	61	0.5%			61	0.5%
Container Ships	1,437	12.8%	101	13.3%	1,538	12.8%
Ro-Ro Cargo Ships	548	4.9%	17	2.2%	565	4.7%
Bulk Carriers	5,641	50.2%	478	62.9%	6,119	51.0%
Oil and Chemical Tankers	2,567	22.8%	75	9.9%	2,642	22.0%
Gas Tankers	350	3.1%	12	1.6%	362	3.0%
Other Tankers	11	0.1%	1	0.1%	12	0.1%
Passenger Ships	264	2.3%	13	1.7%	277	2.3%
Offshore Vessels	102	0.9%	47	6.2%	149	1.2%
Service Ships	22	0.2%	5	0.7%	27	0.2%
Tugs						
Fishing Vessels			3	0.4%	3	0.0%
Total	11,240	100%	760	100%	12,000	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	
	Count	%	Count	%	Count	%
General Cargo Ships	7,857	1.9%	232	0.9%	8,089	1.8%
Specialized Cargo Ships	2,323	0.5%			2,323	0.5%
Container Ships	54,541	12.8%	3,555	13.4%	58,096	12.9%
Ro-Ro Cargo Ships	26,122	6.2%	776	2.9%	26,898	6.0%
Bulk Carriers	212,087	49.9%	15,553	58.6%	227,640	50.5%
Oil and Chemical Tankers	91,325	21.5%	2,968	11.2%	94,293	20.9%
Gas Tankers	15,151	3.6%	520	2.0%	15,671	3.5%
Other Tankers	326	0.1%	29	0.1%	355	0.1%
Passenger Ships	9,566	2.3%	399	1.5%	9,965	2.2%
Offshore Vessels	4,561	1.1%	2,149	8.1%	6,710	1.5%
Service Ships	766	0.2%	229	0.9%	995	0.2%
Tugs						
Fishing Vessels			114	0.4%	114	0.0%
Total	424,625	100%	26,524	100%	451,149	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**

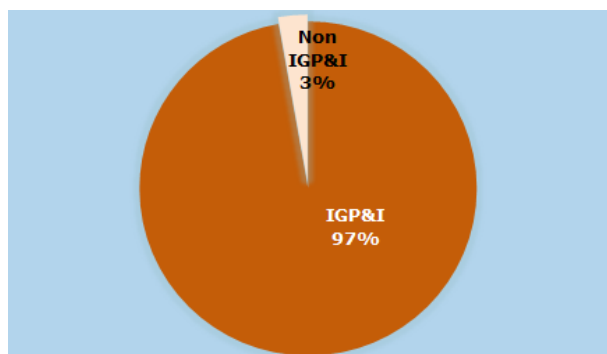
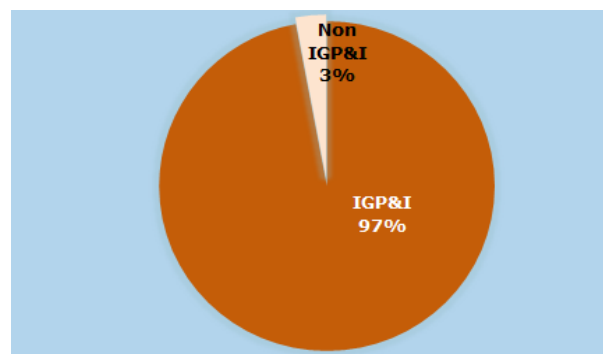
VERY LARGE SHIPS

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	0.0%	2	1.1%	5	0.1%
Container Ships	1,428	23.3%	13	7.3%	1,441	22.8%
Ro-Ro Cargo Ships	245	4.0%	2	1.1%	247	3.9%
Bulk Carriers	1,700	27.7%	6	3.4%	1,706	27.0%
Oil and Chemical Tankers	1,868	30.5%	75	42.4%	1,943	30.8%
Gas Tankers	480	7.8%	1	0.6%	481	7.6%
Other Tankers						
Passenger Ships	184	3.0%			184	2.9%
Offshore Vessels	216	3.5%	78	44.1%	294	4.7%
Service Ships	6	0.1%			6	0.1%
Tugs						
Fishing Vessels						
Total	6,130	100%	177	100%	6,307	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	0.7%	371	0.1%
Container Ships	154,733	24.1%	1,344	6.8%	156,077	23.6%
Ro-Ro Cargo Ships	16,460	2.6%	145	0.7%	16,605	2.5%
Bulk Carriers	172,688	26.9%	520	2.6%	173,208	26.2%
Oil and Chemical Tankers	196,715	30.7%	9,992	50.9%	206,707	31.3%
Gas Tankers	53,774	8.4%	122	0.6%	53,896	8.2%
Other Tankers						
Passenger Ships	19,458	3.0%			19,458	2.9%
Offshore Vessels	26,031	4.1%	7,381	37.6%	33,412	5.1%
Service Ships	891	0.1%			891	0.1%
Tugs						
Fishing Vessels						
Total	640,987	100%	19,638	100%	660,625	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	349	5.6%	1,944	9.7%	931	12.9%	810	22.1%	4,034	10.9%
Specialized Cargo Ships	31	0.5%	53	0.3%	29	0.4%	49	1.3%	162	0.4%
Container Ships	636	10.2%	2,619	13.1%	1,147	15.9%	143	3.9%	4,545	12.3%
Ro-Ro Cargo Ships	113	1.8%	551	2.8%	290	4.0%	110	3.0%	1,064	2.9%
Bulk Carriers	2,029	32.7%	6,072	30.4%	1,406	19.5%	277	7.5%	9,784	26.4%
Oil and Chemical Tankers	1,547	24.9%	4,681	23.4%	1,824	25.3%	451	12.3%	8,503	22.9%
Gas Tankers	447	7.2%	703	3.5%	325	4.5%	107	2.9%	1,582	4.3%
Other Tankers	98	1.6%	186	0.9%	43	0.6%	54	1.5%	381	1.0%
Passenger Ships	123	2.0%	267	1.3%	398	5.5%	480	13.1%	1,268	3.4%
Offshore Vessels	576	9.3%	2,291	11.5%	464	6.4%	388	10.6%	3,719	10.0%
Service Ships	83	1.3%	244	1.2%	147	2.0%	312	8.5%	786	2.1%
Tugs	76	1.2%	259	1.3%	56	0.8%	93	2.5%	484	1.3%
Fishing Vessels	98	1.6%	123	0.6%	163	2.3%	397	10.8%	781	2.1%
Total	6,206	100%	19,993	100%	7,223	100%	3,671	100%	37,093	100%

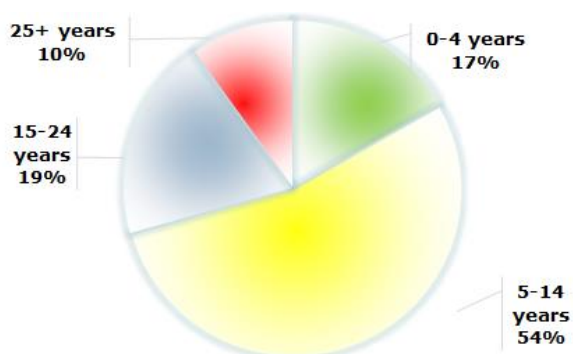
Source: Equasis

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

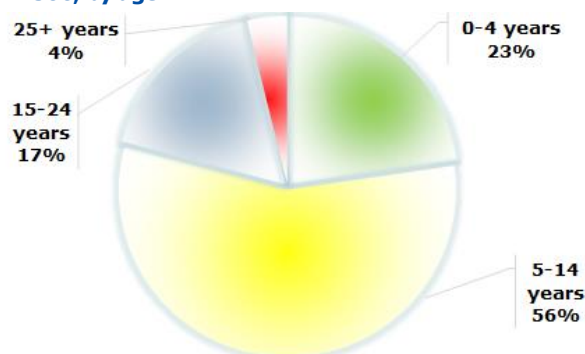
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,622	1.7%	18,601	2.7%	7,804	3.7%	3,836	8.1%	34,863	2.8%
Specialized Cargo Ships	811	0.3%	997	0.1%	553	0.3%	1,320	2.8%	3,681	0.3%
Container Ships	54,973	19.7%	136,251	19.6%	36,733	17.5%	3,057	6.5%	231,014	18.8%
Ro-Ro Cargo Ships	6,924	2.5%	26,641	3.8%	10,899	5.2%	1,859	3.9%	46,323	3.8%
Bulk Carriers	95,303	34.1%	274,261	39.5%	50,568	24.1%	10,096	21.3%	430,228	35.0%
Oil and Chemical Tankers	76,784	27.5%	174,920	25.2%	68,564	32.7%	2,571	5.4%	322,839	26.2%
Gas Tankers	26,035	9.3%	34,518	5.0%	11,458	5.5%	3,265	6.9%	75,276	6.1%
Other Tankers	626	0.2%	903	0.1%	239	0.1%	112	0.2%	1,880	0.2%
Passenger Ships	5,434	1.9%	10,566	1.5%	11,789	5.6%	6,253	13.2%	34,042	2.8%
Offshore Vessels	6,807	2.4%	13,738	2.0%	9,141	4.4%	12,463	26.4%	42,149	3.4%
Service Ships	485	0.2%	2,110	0.3%	1,493	0.7%	1,505	3.2%	5,593	0.5%
Tugs	72	0.0%	310	0.0%	53	0.0%	88	0.2%	523	0.0%
Fishing Vessels	269	0.1%	259	0.0%	348	0.2%	870	1.8%	1,746	0.1%
Total	279,145	100%	694,075	100%	209,642	100%	47,295	100%	1,230,157	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

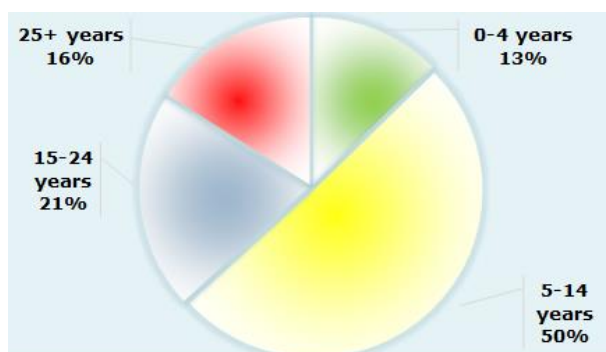
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	288	11.6%	1,850	18.6%	876	21.3%	783	24.9%	3,797	19.3%
Specialized Cargo Ships	17	0.7%	43	0.4%	20	0.5%	18	0.6%	98	0.5%
Container Ships	168	6.7%	843	8.5%	575	14.0%	94	3.0%	1,680	8.5%
Ro-Ro Cargo Ships	9	0.4%	61	0.6%	112	2.7%	89	2.8%	271	1.4%
Bulk Carriers	389	15.6%	1,478	14.8%	414	10.1%	162	5.1%	2,443	12.4%
Oil and Chemical Tankers	527	21.1%	2,209	22.2%	902	21.9%	430	13.7%	4,068	20.6%
Gas Tankers	130	5.2%	354	3.6%	202	4.9%	66	2.1%	752	3.8%
Other Tankers	93	3.7%	183	1.8%	40	1.0%	54	1.7%	370	1.9%
Passenger Ships	78	3.1%	136	1.4%	217	5.3%	389	12.3%	820	4.2%
Offshore Vessels	537	21.5%	2,200	22.1%	393	9.6%	271	8.6%	3,401	17.2%
Service Ships	82	3.3%	232	2.3%	140	3.4%	304	9.7%	758	3.8%
Tugs	76	3.0%	259	2.6%	56	1.4%	93	3.0%	484	2.5%
Fishing Vessels	98	3.9%	123	1.2%	163	4.0%	397	12.6%	781	4.0%
Total	2,492	100%	9,971	100%	4,110	100%	3,150	100%	19,723	100%

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

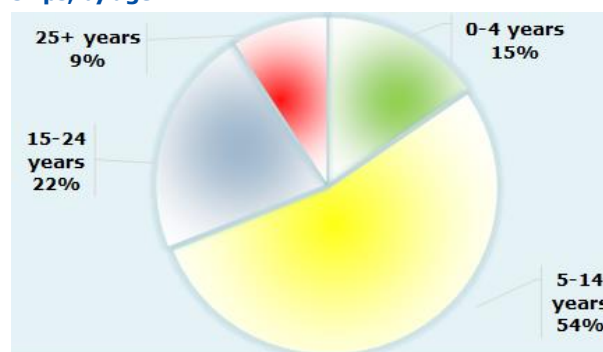
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,701	10.7%	15,253	17.3%	5,990	16.6%	3,062	20.4%	27,006	16.4%
Specialized Cargo Ships	218	0.9%	531	0.6%	185	0.5%	186	1.2%	1,120	0.7%
Container Ships	2,430	9.6%	10,778	12.2%	7,274	20.1%	1,259	8.4%	21,741	13.2%
Ro-Ro Cargo Ships	115	0.5%	973	1.1%	1,752	4.9%	901	6.0%	3,741	2.3%
Bulk Carriers	8,468	33.5%	28,239	32.0%	6,764	18.7%	1,983	13.2%	45,454	27.6%
Oil and Chemical Tankers	5,547	22.0%	18,864	21.4%	8,685	24.1%	1,703	11.3%	34,799	21.1%
Gas Tankers	1,499	5.9%	3,063	3.5%	1,439	4.0%	349	2.3%	6,350	3.9%
Other Tankers	492	1.9%	805	0.9%	146	0.4%	112	0.7%	1,555	0.9%
Passenger Ships	380	1.5%	740	0.8%	1,335	3.7%	2,563	17.1%	5,018	3.0%
Offshore Vessels	2,604	10.3%	7,047	8.0%	1,128	3.1%	778	5.2%	11,557	7.0%
Service Ships	458	1.8%	1,304	1.5%	1,003	2.8%	1,172	7.8%	3,937	2.4%
Tugs	72	0.3%	310	0.4%	53	0.1%	88	0.6%	523	0.3%
Fishing Vessels	269	1.1%	259	0.3%	348	1.0%	870	5.8%	1,746	1.1%
Total	25,253	100%	88,166	100%	36,102	100%	15,026	100%	164,547	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

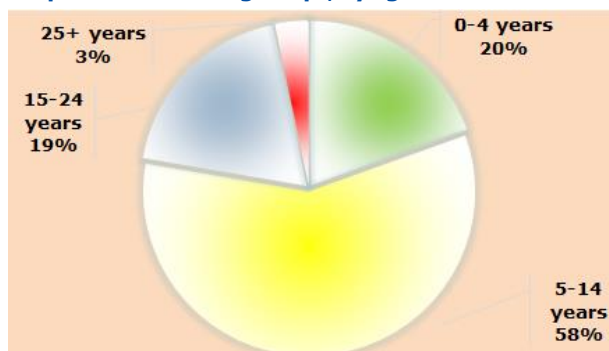
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	61	2.8%	94	1.4%	55	2.6%	27	7.3%	237	2.1%
Specialized Cargo Ships	13	0.6%	8	0.1%	9	0.4%	31	8.4%	61	0.5%
Container Ships	123	5.6%	930	14.2%	335	15.7%	49	13.3%	1,437	12.8%
Ro-Ro Cargo Ships	27	1.2%	355	5.4%	145	6.8%	21	5.7%	548	4.9%
Bulk Carriers	1,306	59.7%	3,427	52.4%	828	38.7%	80	21.7%	5,641	50.2%
Oil and Chemical Tankers	460	21.0%	1,498	22.9%	592	27.7%	17	4.6%	2,567	22.8%
Gas Tankers	170	7.8%	116	1.8%	43	2.0%	21	5.7%	350	3.1%
Other Tankers	5	0.2%	3	0.0%	3	0.1%			11	0.1%
Passenger Ships	15	0.7%	62	0.9%	105	4.9%	82	22.3%	264	2.3%
Offshore Vessels	8	0.4%	42	0.6%	18	0.8%	34	9.2%	102	0.9%
Service Ships	1	0.0%	11	0.2%	4	0.2%	6	1.6%	22	0.2%
Tugs										
Fishing Vessels										
Total	2,189	100%	6,546	100%	2,137	100%	368	100%	11,240	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000Table 88 - IGP&I : gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and age

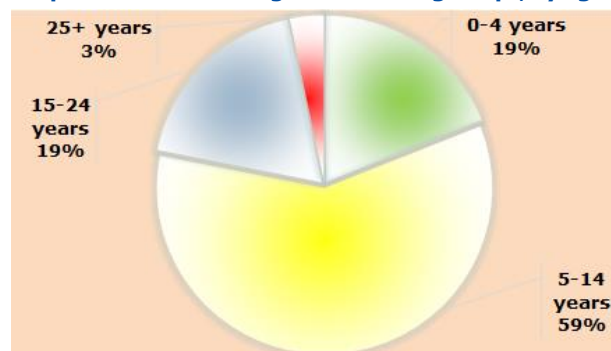
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,921	2.4%	3,348	1.3%	1,814	2.3%	774	5.6%	7,857	1.9%
Specialized Cargo Ships	508	0.6%	313	0.1%	368	0.5%	1,134	8.2%	2,323	0.5%
Container Ships	4,199	5.2%	36,671	14.6%	11,872	15.0%	1,798	12.9%	54,540	12.8%
Ro-Ro Cargo Ships	1,213	1.5%	16,983	6.8%	6,968	8.8%	958	6.9%	26,122	6.2%
Bulk Carriers	49,476	61.5%	131,029	52.2%	28,655	36.3%	2,927	21.0%	212,087	49.9%
Oil and Chemical Tankers	14,822	18.4%	53,292	21.2%	22,663	28.7%	548	3.9%	91,325	21.5%
Gas Tankers	7,210	9.0%	5,175	2.1%	1,837	2.3%	930	6.7%	15,152	3.6%
Other Tankers	134	0.2%	98	0.0%	93	0.1%			325	0.1%
Passenger Ships	664	0.8%	2,175	0.9%	3,682	4.7%	3,046	21.9%	9,567	2.3%
Offshore Vessels	299	0.4%	1,736	0.7%	931	1.2%	1,594	11.5%	4,560	1.1%
Service Ships	27	0.0%	403	0.2%	137	0.2%	198	1.4%	765	0.2%
Tugs										
Fishing Vessels										
Total	80,473	100%	251,223	100%	79,020	100%	13,907	100%	424,623	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000

Graph 82 - IGP&I large ships, by age



Graph 83 - Gross tonnage of IGP&I large ships, by age



VERY LARGE SHIPS

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

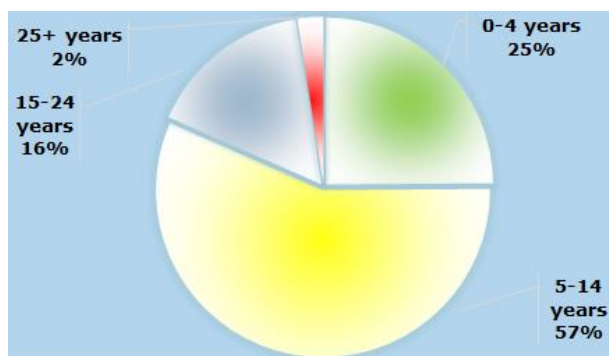
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	1	0.1%	2	0.1%					3	0.0%
Container Ships	345	22.6%	846	24.3%	237	24.3%			1,428	23.3%
Ro-Ro Cargo Ships	77	5.0%	135	3.9%	33	3.4%			245	4.0%
Bulk Carriers	334	21.9%	1,167	33.6%	164	16.8%	35	22.9%	1,700	27.7%
Oil and Chemical Tankers	560	36.7%	974	28.0%	330	33.8%	4	2.6%	1,868	30.5%
Gas Tankers	147	9.6%	233	6.7%	80	8.2%	20	13.1%	480	7.8%
Other Tankers										
Passenger Ships	30	2.0%	69	2.0%	76	7.8%	9	5.9%	184	3.0%
Offshore Vessels	31	2.0%	49	1.4%	53	5.4%	83	54.2%	216	3.5%
Service Ships			1	0.0%	3	0.3%	2	1.3%	6	0.1%
Tugs										
Fishing Vessels										
Total	1,525	100%	3,476	100%	976	100%	153	100%	6,130	100%

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

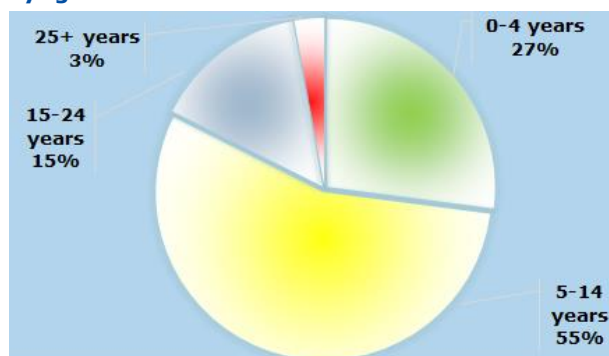
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	85	0.0%	153	0.0%					238	0.0%
Container Ships	48,344	27.9%	88,802	25.0%	17,587	18.6%			154,733	24.1%
Ro-Ro Cargo Ships	5,596	3.2%	8,685	2.4%	2,179	2.3%			16,460	2.6%
Bulk Carriers	37,359	21.5%	114,993	32.4%	15,149	16.0%	5,186	28.2%	172,687	26.9%
Oil and Chemical Tankers	56,415	32.5%	102,764	29.0%	37,216	39.4%	320	1.7%	196,715	30.7%
Gas Tankers	17,326	10.0%	26,280	7.4%	8,182	8.7%	1,986	10.8%	53,774	8.4%
Other Tankers										
Passenger Ships	4,390	2.5%	7,651	2.2%	6,772	7.2%	644	3.5%	19,457	3.0%
Offshore Vessels	3,904	2.3%	4,955	1.4%	7,082	7.5%	10,091	55.0%	26,032	4.1%
Service Ships			403	0.1%	353	0.4%	135	0.7%	891	0.1%
Tugs										
Fishing Vessels										
Total	173,419	100%	354,686	100%	94,520	100%	18,362	100%	640,987	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	344	15.9%	1,747	30.6%	1,221	29.7%	4,558	32.7%	7,870	30.4%
Specialized Cargo Ships	12	0.6%	20	0.4%	4	0.1%	95	0.7%	131	0.5%
Container Ships	110	5.1%	196	3.4%	232	5.7%	109	0.8%	647	2.5%
Ro-Ro Cargo Ships	36	1.7%	49	0.9%	83	2.0%	209	1.5%	377	1.5%
Bulk Carriers	137	6.3%	792	13.9%	431	10.5%	469	3.4%	1,829	7.1%
Oil and Chemical Tankers	269	12.4%	768	13.5%	470	11.4%	1,816	13.0%	3,323	12.8%
Gas Tankers	26	1.2%	69	1.2%	79	1.9%	203	1.5%	377	1.5%
Other Tankers	23	1.1%	69	1.2%	27	0.7%	210	1.5%	329	1.3%
Passenger Ships	249	11.5%	382	6.7%	385	9.4%	970	7.0%	1,986	7.7%
Offshore Vessels	202	9.3%	561	9.8%	225	5.5%	1,033	7.4%	2,021	7.8%
Service Ships	245	11.3%	388	6.8%	258	6.3%	1,106	7.9%	1,997	7.7%
Tugs	36	1.7%	92	1.6%	55	1.3%	374	2.7%	557	2.1%
Fishing Vessels	481	22.2%	573	10.0%	636	15.5%	2,776	19.9%	4,466	17.2%
Total	2,170	100%	5,706	100%	4,106	100%	13,928	100%	25,910	100%

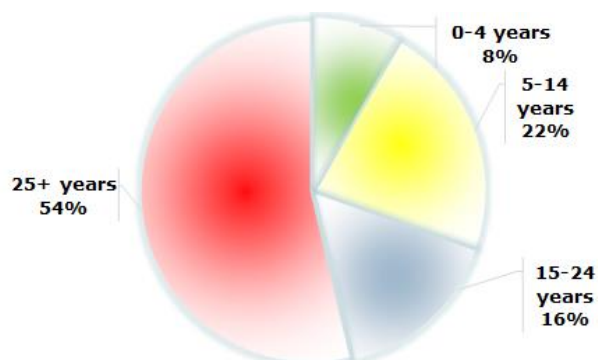
Source: Equasis

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

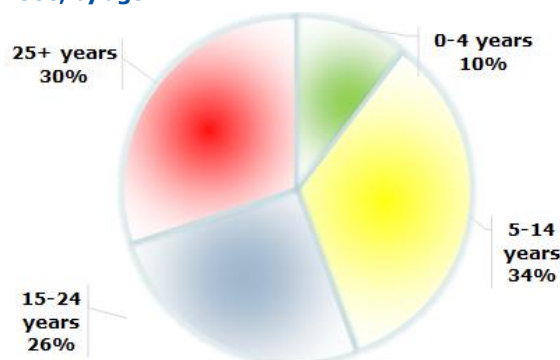
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,087	8.9%	5,958	14.8%	4,896	16.2%	10,927	30.6%	22,868	19.3%
Specialized Cargo Ships	169	1.4%	209	0.5%	26	0.1%	377	1.1%	781	0.7%
Container Ships	2,269	18.6%	3,160	7.8%	2,827	9.4%	656	1.8%	8,912	7.5%
Ro-Ro Cargo Ships	414	3.4%	864	2.1%	903	3.0%	1,263	3.5%	3,444	2.9%
Bulk Carriers	1,554	12.7%	12,846	31.8%	8,656	28.7%	4,237	11.9%	27,293	23.1%
Oil and Chemical Tankers	1,455	11.9%	8,077	20.0%	7,608	25.2%	4,943	13.9%	22,083	18.7%
Gas Tankers	230	1.9%	144	0.4%	392	1.3%	624	1.8%	1,390	1.2%
Other Tankers	40	0.3%	130	0.3%	74	0.2%	252	0.7%	496	0.4%
Passenger Ships	1,213	9.9%	1,452	3.6%	1,329	4.4%	2,743	7.7%	6,737	5.7%
Offshore Vessels	2,150	17.6%	5,399	13.4%	2,109	7.0%	3,587	10.1%	13,245	11.2%
Service Ships	947	7.7%	1,313	3.3%	603	2.0%	2,317	6.5%	5,180	4.4%
Tugs	31	0.3%	95	0.2%	48	0.2%	327	0.9%	501	0.4%
Fishing Vessels	664	5.4%	702	1.7%	674	2.2%	3,398	9.5%	5,438	4.6%
Total	12,223	100%	40,349	100%	30,145	100%	35,651	100%	118,368	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

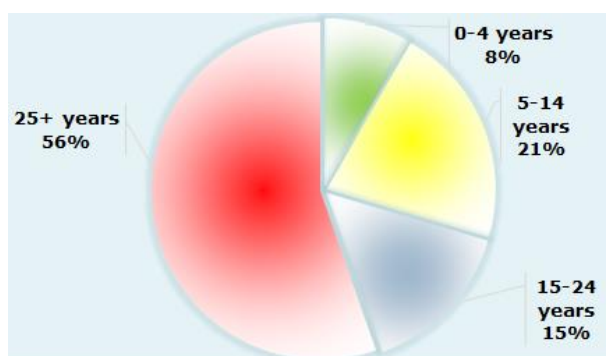
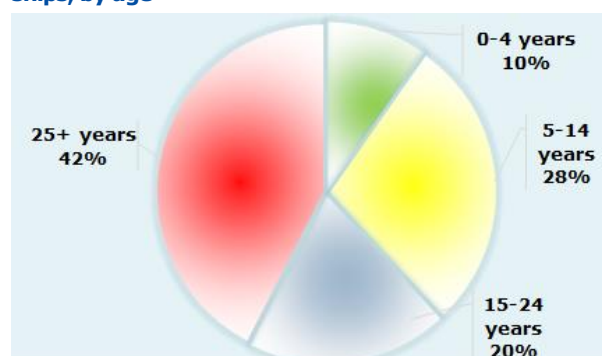
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	344	16.6%	1,747	32.8%	1,214	32.3%	4,557	33.0%	7,862	31.5%
Specialized Cargo Ships	10	0.5%	20	0.4%	4	0.1%	95	0.7%	129	0.5%
Container Ships	74	3.6%	157	3.0%	194	5.2%	108	0.8%	533	2.1%
Ro-Ro Cargo Ships	35	1.7%	39	0.7%	76	2.0%	208	1.5%	358	1.4%
Bulk Carriers	112	5.4%	571	10.7%	238	6.3%	424	3.1%	1,345	5.4%
Oil and Chemical Tankers	262	12.7%	715	13.4%	394	10.5%	1,802	13.0%	3,173	12.7%
Gas Tankers	23	1.1%	69	1.3%	74	2.0%	198	1.4%	364	1.5%
Other Tankers	23	1.1%	69	1.3%	26	0.7%	210	1.5%	328	1.3%
Passenger Ships	244	11.8%	379	7.1%	384	10.2%	966	7.0%	1,973	7.9%
Offshore Vessels	183	8.8%	502	9.4%	206	5.5%	1,005	7.3%	1,896	7.6%
Service Ships	243	11.7%	387	7.3%	258	6.9%	1,104	8.0%	1,992	8.0%
Tugs	36	1.7%	92	1.7%	55	1.5%	374	2.7%	557	2.2%
Fishing Vessels	481	23.2%	573	10.7%	636	16.9%	2,773	20.0%	4,463	17.8%
Total	2,070	100%	5,320	100%	3,759	100%	13,824	100%	24,973	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	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,087	15.4%	5,958	29.2%	4,702	33.4%	10,889	35.6%	22,636	31.3%
Specialized Cargo Ships	35	0.5%	209	1.0%	26	0.2%	377	1.2%	647	0.9%
Container Ships	587	8.3%	1,294	6.3%	1,517	10.8%	614	2.0%	4,012	5.6%
Ro-Ro Cargo Ships	379	5.4%	346	1.7%	583	4.1%	1,215	4.0%	2,523	3.5%
Bulk Carriers	659	9.3%	5,431	26.6%	2,399	17.0%	2,731	8.9%	11,220	15.5%
Oil and Chemical Tankers	945	13.4%	2,380	11.7%	1,595	11.3%	4,204	13.7%	9,124	12.6%
Gas Tankers	35	0.5%	144	0.7%	163	1.2%	406	1.3%	748	1.0%
Other Tankers	40	0.6%	130	0.6%	45	0.3%	252	0.8%	467	0.6%
Passenger Ships	1,047	14.8%	1,359	6.7%	1,299	9.2%	2,633	8.6%	6,338	8.8%
Offshore Vessels	680	9.6%	1,107	5.4%	443	3.1%	1,486	4.9%	3,716	5.1%
Service Ships	882	12.5%	1,258	6.2%	603	4.3%	2,208	7.2%	4,951	6.9%
Tugs	31	0.4%	95	0.5%	48	0.3%	327	1.1%	501	0.7%
Fishing Vessels	664	9.3%	702	3.4%	674	4.7%	3,284	10.7%	5,324	7.4%
Total	7,071	100%	20,413	100%	14,097	100%	30,626	100%	72,207	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

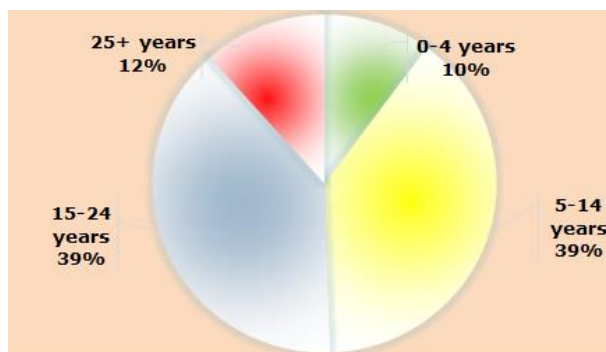
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships					7	2.4%	1	1.1%	8	1.1%
Specialized Cargo Ships										
Container Ships	31	40.3%	32	10.7%	37	12.5%	1	1.1%	101	13.3%
Ro-Ro Cargo Ships	1	1.3%	8	2.7%	7	2.4%	1	1.1%	17	2.2%
Bulk Carriers	25	32.5%	216	72.2%	193	65.2%	44	50.0%	478	63.1%
Oil and Chemical Tankers	4	5.2%	17	5.7%	42	14.2%	12	13.6%	75	9.9%
Gas Tankers	2	2.6%			5	1.7%	5	5.7%	12	1.6%
Other Tankers					1	0.3%			1	0.1%
Passenger Ships	5	6.5%	3	1.0%	1	0.3%	4	4.5%	13	1.7%
Offshore Vessels	7	9.1%	22	7.4%	3	1.0%	15	17.0%	47	6.2%
Service Ships	2	2.6%	1	0.3%			2	2.3%	5	0.7%
Tugs										
Fishing Vessels							3	3.4%		
Total	77	100%	299	100%	296	100%	88	100%	757	100%

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

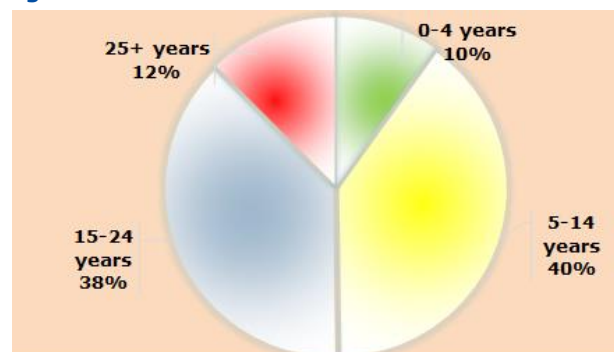
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships					194	1.9%	38	1.1%	232	0.9%
Specialized Cargo Ships										
Container Ships	919	35.0%	1,349	12.8%	1,245	12.4%	42	1.3%	3,555	13.4%
Ro-Ro Cargo Ships	35	1.3%	373	3.5%	320	3.2%	48	1.4%	776	2.9%
Bulk Carriers	895	34.1%	6,959	65.8%	6,257	62.5%	1,442	43.5%	15,553	58.6%
Oil and Chemical Tankers	119	4.5%	702	6.6%	1,569	15.7%	578	17.4%	2,968	11.2%
Gas Tankers	73	2.8%			229	2.3%	218	6.6%	520	2.0%
Other Tankers					29	0.3%			29	0.1%
Passenger Ships	166	6.3%	93	0.9%	30	0.3%	110	3.3%	399	1.5%
Offshore Vessels	355	13.5%	1,045	9.9%	134	1.3%	614	18.5%	2,148	8.1%
Service Ships	65	2.5%	55	0.5%			109	3.3%	229	0.9%
Tugs										
Fishing Vessels							114	3.4%	114	0.4%
Total	2,627	100%	10,576	100%	10,007	100%	3,313	100%	26,523	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



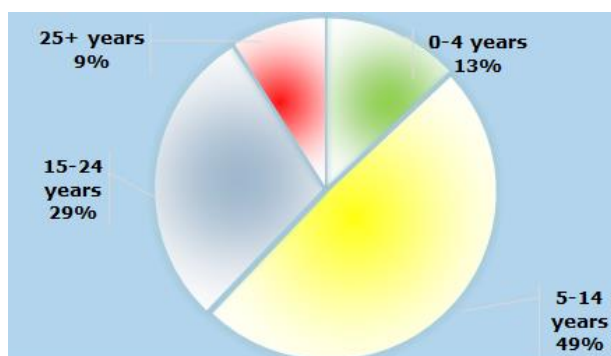
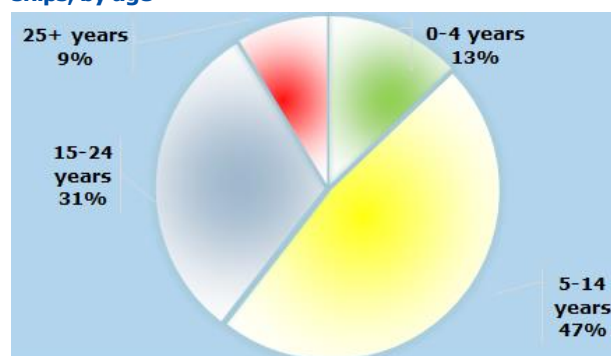
VERY LARGE SHIPS

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	8.7%							2	1.1%
Container Ships	5	21.7%	7	8.0%	1	2.0%			13	7.3%
Ro-Ro Cargo Ships			2	2.3%					2	1.1%
Bulk Carriers			5	5.7%			1	6.3%	6	3.4%
Oil and Chemical Tankers	3	13.0%	36	41.4%	34	66.7%	2	12.5%	75	42.4%
Gas Tankers	1	4.3%							1	0.6%
Other Tankers										
Passenger Ships										
Offshore Vessels	12	52.2%	37	42.5%	16	31.4%	13	81.3%	78	44.1%
Service Ships										
Tugs										
Fishing Vessels										
Total	23	100%	87	100%	51	100%	16	100%	177	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	5.3%							134	0.7%
Container Ships	763	30.2%	517	5.5%	65	1.1%			1,345	6.8%
Ro-Ro Cargo Ships			145	1.5%					145	0.7%
Bulk Carriers			456	4.9%			64	3.7%	520	2.6%
Oil and Chemical Tankers	391	15.5%	4,995	53.4%	4,444	73.6%	161	9.4%	9,991	50.9%
Gas Tankers	122	4.8%							122	0.6%
Other Tankers										
Passenger Ships										
Offshore Vessels	1,115	44.2%	3,247	34.7%	1,532	25.4%	1,487	86.9%	7,381	37.6%
Service Ships										
Tugs										
Fishing Vessels										
Total	2,525	100%	9,360	100%	6,041	100%	1,712	100%	19,638	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	1,606	13.8%	4,190	47.2%	5,796	2,428	9.5%	3,680	21.6%	6,108
Specialized Cargo Ships	31	0.3%	82	0.9%	113	131	0.5%	49	0.3%	180
Container Ships	1,315	11.3%	285	3.2%	1,600	3,230	12.7%	362	2.1%	3,592
Ro-Ro Cargo Ships	354	3.0%	164	1.8%	518	710	2.8%	213	1.3%	923
Bulk Carriers	3,748	32.3%	597	6.7%	4,345	6,036	23.7%	1,232	7.2%	7,268
Oil and Chemical Tankers	2,518	21.7%	1,123	12.6%	3,641	5,985	23.5%	2,200	12.9%	8,185
Gas Tankers	464	4.0%	66	0.7%	530	1,118	4.4%	311	1.8%	1,429
Other Tankers	82	0.7%	111	1.2%	193	299	1.2%	218	1.3%	517
Passenger Ships	272	2.3%	812	9.1%	1,084	996	3.9%	1,174	6.9%	2,170
Offshore Vessels	949	8.2%	575	6.5%	1,524	2,770	10.9%	1,446	8.5%	4,216
Service Ships	149	1.3%	456	5.1%	605	637	2.5%	1,541	9.1%	2,178
Tugs	71	0.6%	85	1.0%	156	413	1.6%	472	2.8%	885
Fishing Vessels	54	0.5%	338	3.8%	392	727	2.9%	4,128	24.2%	4,855
Total	11,613	100%	8,884	100%	20,497	25,480	100%	17,026	100%	42,506

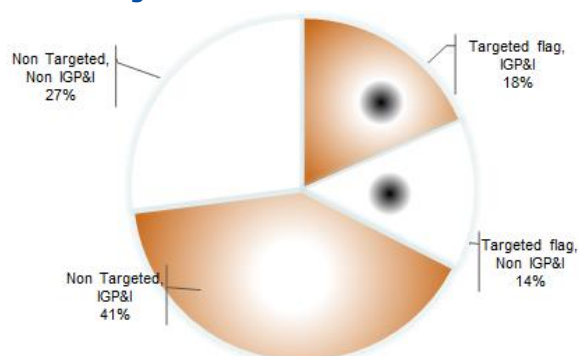
Source: Equasis

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

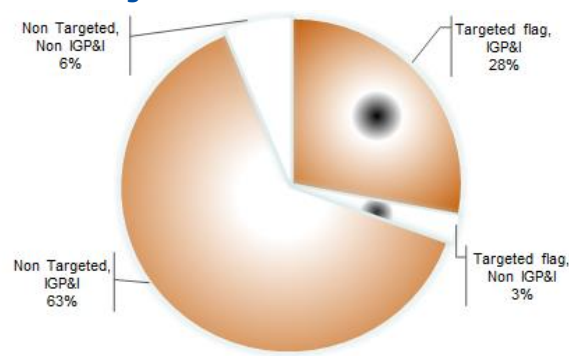
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	12,534	3.3%	11,540	33.2%	24,074	22,329	2.6%	11,328	13.5%	33,657
Specialized Cargo Ships	702	0.2%	271	0.8%	973	2,978	0.3%	510	0.6%	3,488
Container Ships	62,899	16.7%	2,655	7.6%	65,554	168,116	19.7%	6,257	7.5%	174,373
Ro-Ro Cargo Ships	15,851	4.2%	1,636	4.7%	17,487	30,473	3.6%	1,807	2.2%	32,280
Bulk Carriers	156,098	41.4%	6,588	19.0%	162,686	274,130	32.1%	20,706	24.8%	294,836
Oil and Chemical Tankers	91,349	24.3%	5,643	16.2%	96,992	231,490	27.1%	16,442	19.7%	247,932
Gas Tankers	18,127	4.8%	486	1.4%	18,613	57,147	6.7%	904	1.1%	58,051
Other Tankers	311	0.1%	220	0.6%	531	1,570	0.2%	275	0.3%	1,845
Passenger Ships	8,821	2.3%	2,460	7.1%	11,281	25,221	3.0%	4,278	5.1%	29,499
Offshore Vessels	8,402	2.2%	1,660	4.8%	10,062	33,748	4.0%	11,585	13.9%	45,333
Service Ships	1,366	0.4%	1,058	3.0%	2,424	4,229	0.5%	4,122	4.9%	8,351
Tugs	73	0.0%	74	0.2%	147	450	0.1%	427	0.5%	877
Fishing Vessels	122	0.0%	446	1.3%	568	1,624	0.2%	4,991	6.0%	6,615
Total	376,655	100%	34,737	100%	411,392	853,505	100%	83,632	100%	937,137

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

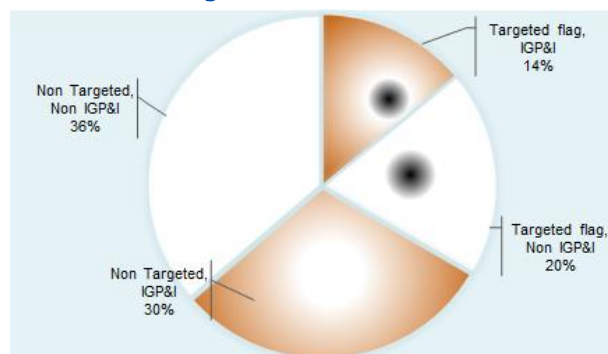
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,562	25.0%	4,189	48.1%	5,751	2,235	16.6%	3,673	22.6%	5,908
Specialized Cargo Ships	19	0.3%	82	0.9%	101	79	0.6%	47	0.3%	126
Container Ships	579	9.3%	271	3.1%	850	1,101	8.2%	262	1.6%	1,363
Ro-Ro Cargo Ships	72	1.2%	151	1.7%	223	199	1.5%	207	1.3%	406
Bulk Carriers	1,030	16.5%	523	6.0%	1,553	1,413	10.5%	822	5.1%	2,235
Oil and Chemical Tankers	1,332	21.3%	1,079	12.4%	2,411	2,736	20.3%	2,094	12.9%	4,830
Gas Tankers	256	4.1%	60	0.7%	316	496	3.7%	304	1.9%	800
Other Tankers	81	1.3%	110	1.3%	191	289	2.1%	218	1.3%	507
Passenger Ships	163	2.6%	806	9.3%	969	657	4.9%	1,167	7.2%	1,824
Offshore Vessels	880	14.1%	565	6.5%	1,445	2,521	18.7%	1,331	8.2%	3,852
Service Ships	140	2.2%	455	5.2%	595	618	4.6%	1,537	9.5%	2,155
Tugs	71	1.1%	85	1.0%	156	413	3.1%	472	2.9%	885
Fishing Vessels	54	0.9%	337	3.9%	391	727	5.4%	4,126	25.4%	4,853
Total	6,239	100%	8,713	100%	14,952	13,484	100%	16,260	100%	29,744

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

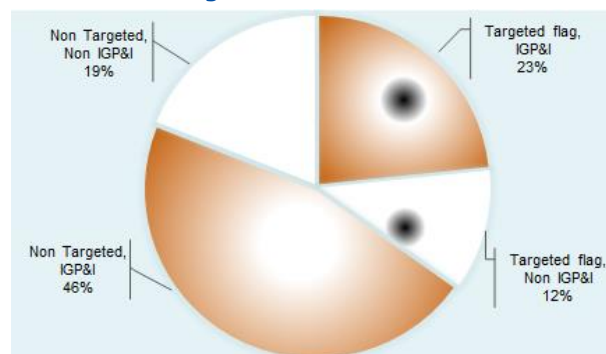
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	11,125	20.1%	11,510	42.2%	22,635	15,881	14.5%	11,126	24.8%	27,007
Specialized Cargo Ships	223	0.4%	271	1.0%	494	897	0.8%	376	0.8%	1,273
Container Ships	7,261	13.1%	1,786	6.5%	9,047	14,481	13.2%	2,227	5.0%	16,708
Ro-Ro Cargo Ships	922	1.7%	953	3.5%	1,875	2,820	2.6%	1,570	3.5%	4,390
Bulk Carriers	18,252	33.0%	4,279	15.7%	22,531	27,202	24.9%	6,942	15.5%	34,144
Oil and Chemical Tankers	10,651	19.3%	3,179	11.6%	13,830	24,148	22.1%	5,946	13.2%	30,094
Gas Tankers	1,918	3.5%	217	0.8%	2,135	4,432	4.1%	531	1.2%	4,963
Other Tankers	284	0.5%	191	0.7%	475	1,271	1.2%	275	0.6%	1,546
Passenger Ships	1,071	1.9%	2,280	8.4%	3,351	3,947	3.6%	4,059	9.0%	8,006
Offshore Vessels	2,678	4.8%	1,157	4.2%	3,835	8,879	8.1%	2,559	5.7%	11,438
Service Ships	679	1.2%	1,003	3.7%	1,682	3,259	3.0%	3,948	8.8%	7,207
Tugs	73	0.1%	74	0.3%	147	450	0.4%	427	1.0%	877
Fishing Vessels	122	0.2%	397	1.5%	519	1,624	1.5%	4,927	11.0%	6,551
Total	55,259	100%	27,297	100%	82,556	109,291	100%	44,913	100%	154,204

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

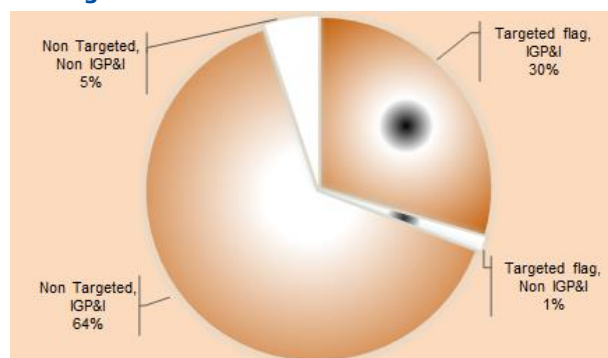
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	44	1.2%	1	0.7%	45	193	2.5%	7	1.2%	200
Specialized Cargo Ships	12	0.3%			12	49	0.6%			49
Container Ships	357	10.1%	10	6.6%	367	1,080	14.0%	91	15.0%	1,171
Ro-Ro Cargo Ships	192	5.4%	12	7.9%	204	356	4.6%	5	0.8%	361
Bulk Carriers	2,097	59.3%	73	48.0%	2,170	3,544	46.0%	405	66.6%	3,949
Oil and Chemical Tankers	646	18.3%	35	23.0%	681	1,921	24.9%	40	6.6%	1,961
Gas Tankers	99	2.8%	6	3.9%	105	251	3.3%	6	1.0%	257
Other Tankers	1	0.0%	1	0.7%	2	10	0.1%			10
Passenger Ships	52	1.5%	6	3.9%	58	212	2.8%	7	1.2%	219
Offshore Vessels	30	0.8%	6	3.9%	36	72	0.9%	41	6.7%	113
Service Ships	8	0.2%	1	0.7%	9	14	0.2%	4	0.7%	18
Tugs										
Fishing Vessels			1	0.7%	1			2	0.0%	2
Total	3,538	100%	152	100%	3,690	7,702	100%	608	100%	8,310

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

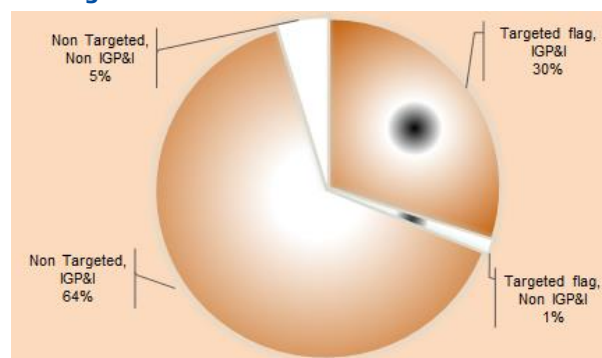
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,409	1.0%	30	0.6%	1,439	6,448	2.2%	202	1.0%	6,650
Specialized Cargo Ships	479	0.4%			479	1,844	0.6%			1,844
Container Ships	13,343	9.9%	303	5.6%	13,646	41,198	14.2%	3,252	15.4%	44,450
Ro-Ro Cargo Ships	9,000	6.7%	611	11.3%	9,611	17,122	5.9%	165	0.8%	17,287
Bulk Carriers	78,962	58.5%	2,216	41.0%	81,178	133,125	46.0%	13,337	63.1%	146,462
Oil and Chemical Tankers	23,996	17.8%	1,445	26.8%	25,441	67,329	23.2%	1,523	7.2%	68,852
Gas Tankers	4,379	3.2%	269	5.0%	4,648	10,771	3.7%	251	1.2%	11,022
Other Tankers	27	0.0%	29	0.5%	56	299	0.1%			299
Passenger Ships	1,757	1.3%	180	3.3%	1,937	7,809	2.7%	219	1.0%	8,028
Offshore Vessels	1,357	1.0%	213	3.9%	1,570	3,204	1.1%	1,935	9.2%	5,139
Service Ships	284	0.2%	55	1.0%	339	482	0.2%	174	0.8%	656
Tugs										
Fishing Vessels			49	0.9%	49			64	0.1%	64
Total	134,993	100%	5,400	100%	140,393	289,631	100%	21,122	100%	310,753

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000

Graph 98 - Total number of large ships, by P&I status and flag



Graph 99 - Gross tonnage of large ships, by P&I status and flag



VERY LARGE SHIPS

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

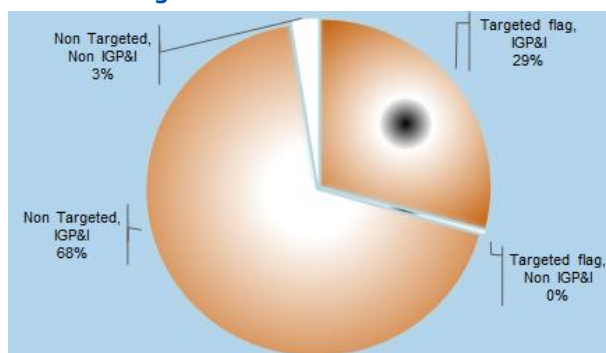
Ship Type	Targeted flag			Non Targeted flag						
	IGP&I		Non IGP&I	Total	IGP&I	Non IGP&I	Total			
General Cargo Ships										
Specialized Cargo Ships					3	0.1%	2	1.2%	5	
Container Ships	379	20.6%	4	21.1%	383	1,049	24.4%	9	5.7%	1,058
Ro-Ro Cargo Ships	90	4.9%	1	5.3%	91	155	3.6%	1	0.6%	156
Bulk Carriers	621	33.8%	1	5.3%	622	1,079	25.1%	5	3.2%	1,084
Oil and Chemical Tankers	540	29.4%	9	47.4%	549	1,328	30.9%	66	41.8%	1,394
Gas Tankers	109	5.9%			109	371	8.6%	1	0.6%	372
Other Tankers										
Passenger Ships	57	3.1%			57	127	3.0%			127
Offshore Vessels	39	2.1%	4	21.1%	43	177	4.1%	74	46.8%	251
Service Ships	1	0.1%			1	5	0.1%			5
Tugs										
Fishing Vessels										
Total	1,836	100%	19	100%	1,855	4,294	100%	158	100%	4,452

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

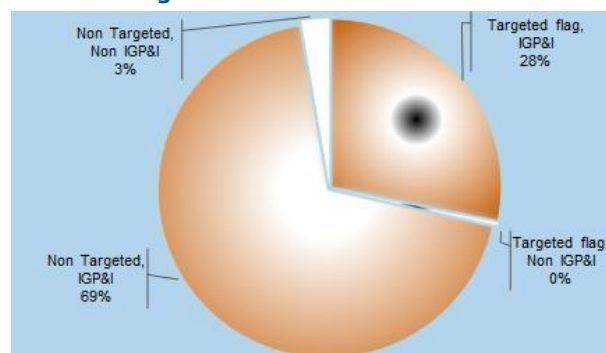
Ship Type	Targeted flag			Non Targeted flag						
	IGP&I		Non IGP&I	Total	IGP&I	Non IGP&I	Total			
General Cargo Ships										
Specialized Cargo Ships					237	0.1%	134	0.8%	371	
Container Ships	42,295	22.7%	566	27.7%	42,861	112,437	24.7%	778	4.4%	113,215
Ro-Ro Cargo Ships	5,929	3.2%	72	3.5%	6,001	10,531	2.3%	72	0.4%	10,603
Bulk Carriers	58,884	31.6%	93	4.6%	58,977	113,803	25.0%	427	2.4%	114,230
Oil and Chemical Tankers	56,702	30.4%	1,019	50.0%	57,721	140,013	30.8%	8,973	51.0%	148,986
Gas Tankers	11,830	6.3%			11,830	41,944	9.2%	122	0.7%	42,066
Other Tankers										
Passenger Ships	5,993	3.2%			5,993	13,465	3.0%			13,465
Offshore Vessels	4,367	2.3%	290	14.2%	4,657	21,665	4.8%	7,091	40.3%	28,756
Service Ships	403	0.2%			403	488	0.1%			488
Tugs										
Fishing Vessels										
Total	186,403	100%	2,040	100%	188,443	454,583	100%	17,597	100%	472,180

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 - 2018

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.72%	7.32%	4.92%
Specialized Cargo Ships	1.33%	6.10%	3.82%
Container Ships	1.55%	4.17%	1.68%
Ro-Ro Cargo Ships	0.75%	11.02%	1.73%
Bulk Carriers	1.87%	6.68%	2.15%
Oil and Chemical Tankers	1.00%	5.64%	1.17%
Gas Tankers	1.17%	1.83%	1.20%
Other Tankers	2.15%	3.45%	2.33%
Passenger Ships	0.91%	3.41%	1.20%
Offshore Vessels	1.61%	12.59%	3.17%
Service Ships	1.56%	4.35%	2.30%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels			
Total	1.67%	6.95%	2.48%

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 - 2018

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.93%	7.31%	5.11%
Specialized Cargo Ships	1.44%	6.10%	4.29%
Container Ships	1.50%	4.40%	1.87%
Ro-Ro Cargo Ships	2.55%	13.27%	7.20%
Bulk Carriers	1.86%	7.26%	2.66%
Oil and Chemical Tankers	1.47%	5.75%	1.75%
Gas Tankers	1.69%	2.08%	1.72%
Other Tankers	2.33%	3.45%	2.49%
Passenger Ships	1.70%	4.07%	2.33%
Offshore Vessels	1.72%	13.53%	3.39%
Service Ships	1.61%	4.39%	2.36%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	0.00%	2.06%	1.57%
Total	2.04%	7.07%	3.51%

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 - 2018

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	0.42%	33.33%	0.56%
Specialized Cargo Ships	1.10%		1.10%
Container Ships	2.13%	3.77%	2.16%
Ro-Ro Cargo Ships	0.51%	0.00%	0.50%
Bulk Carriers	1.82%	4.35%	1.87%
Oil and Chemical Tankers	0.64%	7.14%	0.70%
Gas Tankers	1.15%	0.00%	1.12%
Other Tankers	0.00%		0.00%
Passenger Ships	0.96%	0.00%	0.90%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Fishing Vessels			
Total	1.50%	3.93%	1.54%

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

VERY LARGE SHIPS

Table 110 - Very large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2018

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	1.09%	0.00%	1.08%
Ro-Ro Cargo Ships	0.53%	0.00%	0.52%
Bulk Carriers	2.11%	0.00%	2.11%
Oil and Chemical Tankers	0.68%	3.70%	0.75%
Gas Tankers	0.20%		0.20%
Other Tankers			
Passenger Ships	0.18%		0.18%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Fishing Vessels			
Total	1.16%	2.13%	1.17%

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 (C MoU).

The analyses in this chapter considers the last three years of inspections (2016-2018) from these PSC regimes as recorded in Equasis. As Equasis only has data from the Black Sea MoU for the last two years, then data from this MoU is not included in this section. Also, Equasis does not have information from the Abuja MoU or the Riyadh MoU for this period, however after liaising with these organisations Equasis hopes to have this information available in next year 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 used in 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. This section also does not include fishing vessels as they are not yet subject to port State Control.

INSPECTED SHIPS

Ships are subject to port State control inspections in most parts of the world and

Equasis receives data from seven of the PSC regimes. 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. Therefore, the proportion of the 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.

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. A "group" of certificates in the table may refer to more than one certificate and each certificate may be issued by different authorities. For these reasons, total figures cannot be easily deduced 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 57,779 ships over 500GT in the fleet covered by Equasis, 58% (34,933) were inspected at least once in the period 2016-2018. This equates to 86% by tonnage.

Table 113 shows that the number of individual ships inspected has remained steady in comparison to last year to the total of 31,185 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.

Table 115 shows the relevant proportion of ships that were inspected by two and three PSC regimes. There is a steep downwards trend as the number of PSC regimes increases, with bulk carriers, being much more likely to be inspected in four or more PSC regions, followed by ro-ro cargo and general cargo ships.

Table 111 shows that a very small quantity of small sized ships are inspected (5%), and 45% of medium size ships are inspected. For the other categories, such as the large and very large size range, 90% of the ships were inspected between 2016 and 2018. Graph 102 shows the relationship between those ships with an inspection record, compared to those without.

By age, Table 116 shows that older ships (29% 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 (79%) compared to 26% for non IG P&I coverage. 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 57%, respectively)

Table 140 shows that the majority of statutory certificates are issued by Recognised Organisations of IACS. In 96.25% 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 (CLC), and the Bunkering Certificate are the statutory certificates that are, in majority, issued by the flag State. Recognised Organisations, in particular the IACS members, are also more involved in issuing the ISPS (that ensures security on ships), the IOPP Certificate, MARPOL Certificates, the Ballast Water Management Convention's Certificates and MLC (Maritime Labour Convention).

5.1. PORT STATE CONTROL OVERVIEW

OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIONS (2016-2018)

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	5,355	145	2.7%	12,183	6,433	52.8%	394	377	95.7%	24	24	100.0%	17,956	6,979	38.9%
Refrigerated Cargo	753	24	3.2%	966	527	54.6%	4	2	50.0%				1,723	553	32.1%
Heavy load	1		0.0%	67	50	74.6%	41	40	97.6%	5	2	40.0%	114	92	80.7%
Container	20	1	5.0%	2,126	1,646	77.4%	1,500	1,380	92.0%	1,431	1,403	98.0%	5,077	4,430	87.3%
Ro-Ro cargo	34	7	20.6%	547	294	53.7%	474	464	97.9%	223	219	98.2%	1,278	984	77.0%
Bulk Carrier	4	1	25.0%	2,930	2,462	84.0%	5,912	5,368	90.8%	1,698	1,652	97.3%	10,544	9,483	89.9%
Oil tanker	1,849	27	1.5%	4,471	1,074	24.0%	1,450	1,242	85.7%	1,894	1,621	85.6%	9,664	3,964	41.0%
Chemical tanker	467	4	0.9%	3,310	2,328	70.3%	1,130	1,003	88.8%				4,907	3,335	68.0%
Combination carrier				39	14	35.9%	10	10	100.0%	3	3	100.0%	52	27	51.9%
Gas carrier	36		0.0%	1,091	672	61.6%	333	306	91.9%	471	393	83.4%	1,931	1,371	71.0%
NLS Tanker	2	1	50.0%	132	125	94.7%	108	108	100.0%	90	90	100.0%	332	324	97.6%
High speed passenger craft	45	45	100.0%	49	49	100.0%							94	94	100.0%
Passenger Ship	4,984	358	7.2%	1,356	326	24.0%	68	67	98.5%	179	173	96.6%	6,587	924	14.0%
RoRo passenger ship	825	7	0.8%	1,997	215	10.8%	208	169	81.3%	5	5	100.0%	3,035	396	13.0%
Offshore supply	2,408	69	2.9%	4,797	936	19.5%	17	4	23.5%	5	2	40.0%	7,227	1,011	14.0%
Special purpose ship	213	57	26.8%	483	188	38.9%	21	15	71.4%	4	2	50.0%	721	262	36.3%
Tug	17,764	702	4.0%	1,074	185	17.2%							18,838	887	4.7%
Other special activities	3,186	320	10.0%	3,034	716	23.6%	235	151	64.3%	255	46	18.0%	6,710	1,233	18.4%
Other	749	29	3.9%	757	243	32.1%	96	91	94.8%	20	16	80.0%	1,622	379	23.4%
Total	38,695	1,797	5%	41,409	18,483	45%	12,001	10,797	90%	6,307	5,651	90%	98,412	36,728	37%

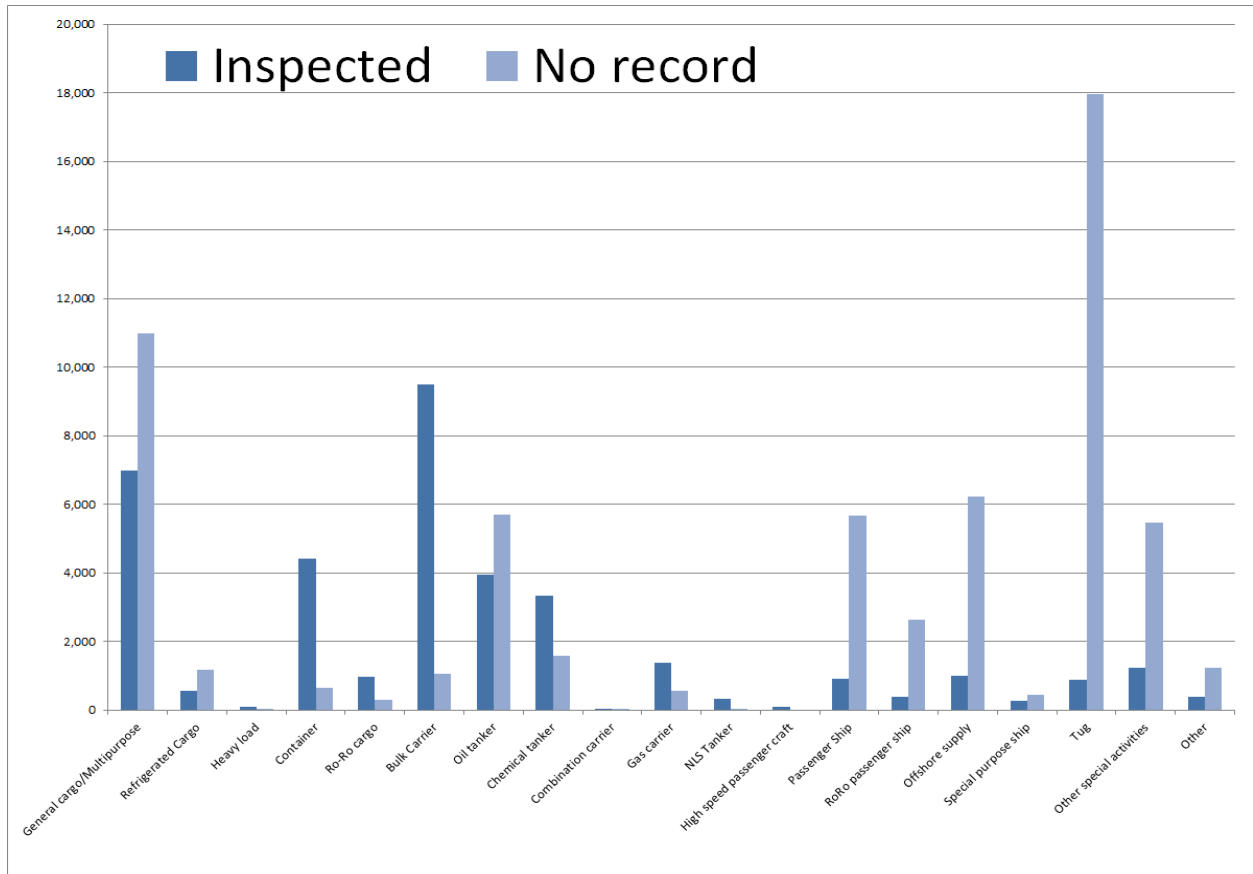
Source: Equasis (1) GT<500 - (2) 500≤GT<25.000 - (3) 25.000≤GT<60.000 - (4) GT≥60.000

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

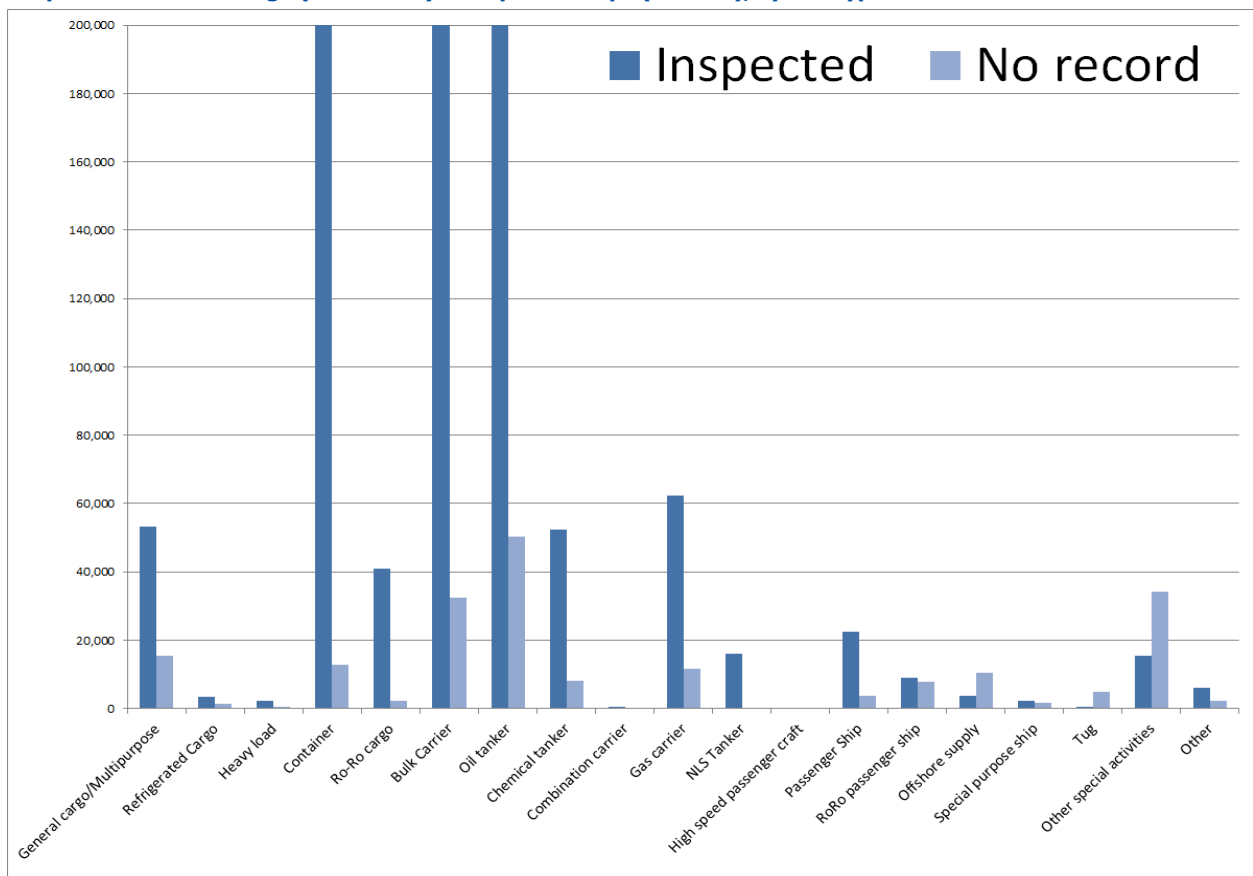
PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,832	55	3.0%	51,632	38,399	74.4%	13,384	12,804	95.7%	1,850	1,850	100.0%	68,698	53,108	77.3%
Refrigerated Cargo	185	8	4.3%	4,320	3,319	76.8%	147	66	44.9%				4,652	3,393	72.9%
Heavy load				819	654	79.9%	1,582	1,524	96.3%	371	176	47.4%	2,772	2,354	84.9%
Container	8		0.0%	24,642	20,916	84.9%	56,884	52,441	92.2%	155,383	150,855	97.1%	236,917	224,212	94.6%
Ro-Ro cargo	11	3	27.3%	5,334	3,549	66.5%	23,011	22,659	98.5%	14,981	14,730	98.3%	43,337	40,941	94.5%
Bulk Carrier	2		0.0%	52,011	45,192	86.9%	219,242	200,150	91.3%	172,467	165,789	96.1%	443,722	411,131	92.7%
Oil tanker	560	11	2.0%	17,637	7,716	43.7%	58,989	50,559	85.7%	200,939	169,388	84.3%	278,125	227,674	81.9%
Chemical tanker	175	2	1.1%	27,045	22,858	84.5%	33,316	29,528	88.6%				60,536	52,388	86.5%
Combination carrier				202	113	55.9%	307	307	100.0%	205	205	100.0%	714	625	87.5%
Gas carrier	14		0.0%	6,838	5,437	79.5%	14,477	13,319	92.0%	52,662	43,573	82.7%	73,991	62,329	84.2%
NLS Tanker	1		0.0%	1,167	1,158	99.2%	4,128	4,128	100.0%	10,819	10,819	100.0%	16,115	16,105	99.9%
High speed passenger craft	11	11	100.0%	216	216	100.0%							227	227	100.0%
Passenger Ship	1,302	116	8.9%	3,177	1,381	43.5%	2,759	2,711	98.3%	19,116	18,264	95.5%	26,354	22,472	85.3%
RoRo passenger ship	253	2	0.8%	9,095	2,688	29.6%	7,178	5,892	82.1%	342	342	100.0%	16,868	8,924	52.9%
Offshore supply	685	19	2.8%	12,698	3,445	27.1%	594	154	25.9%	375	172	45.9%	14,352	3,790	26.4%
Special purpose ship	53	15	28.3%	2,360	1,265	53.6%	786	554	70.5%	711	505	71.0%	3,910	2,339	59.8%
Tug	4,272	215	5.0%	1,164	346	29.7%							5,436	561	10.3%
Other special activities	766	93	12.1%	9,357	3,423	36.6%	10,431	6,460	61.9%	29,083	5,483	18.9%	49,637	15,459	31.1%
Other	214	9	4.2%	2,985	1,383	46.3%	3,966	3,796	95.7%	1,321	1,033	78.2%	8,486	6,221	73.3%
Total	10,344	559	5%	232,699	163,458	70%	451,181	407,052	90%	660,625	583,184	88%	1,354,849	1,154,253	85%

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



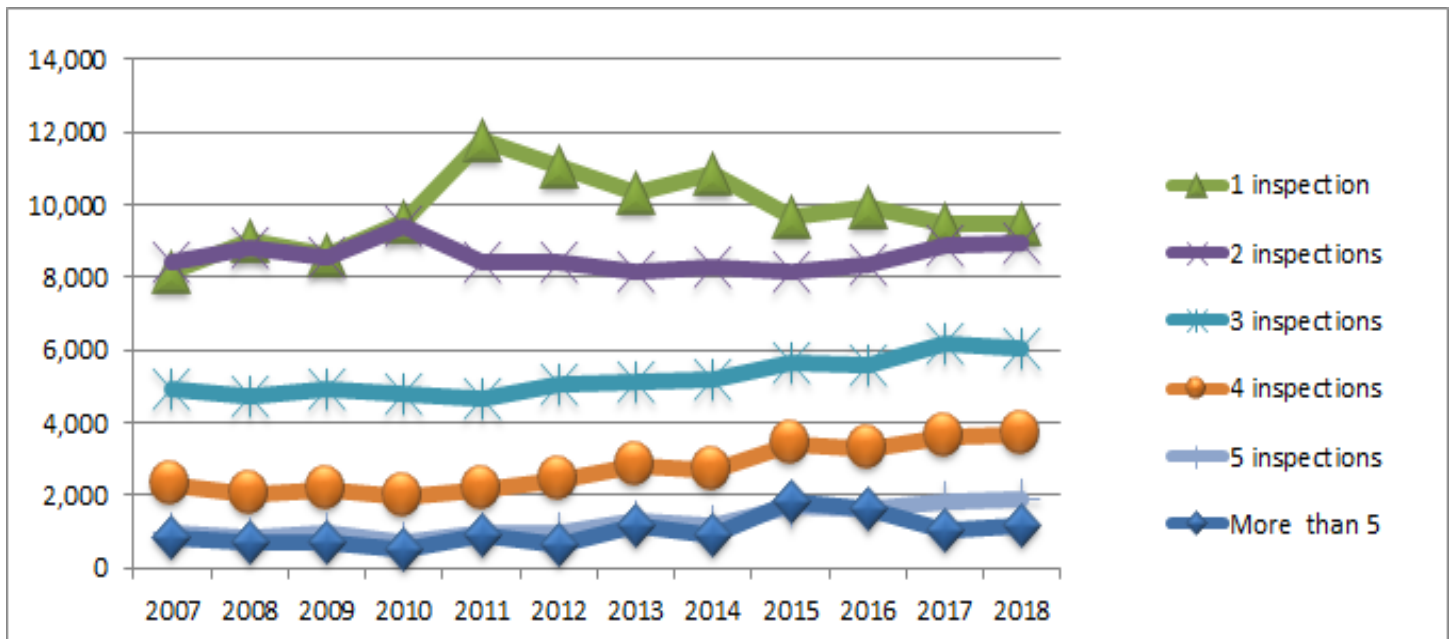
MULTIPLE INSPECTIONS (2007-2018)

Table 113 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2018

Number of inspections per ship	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018	
	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%	9,482
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%	8,925	28.6%
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%	6,063	19.4%
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%	3,689	11.8%
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%	1,870	6.0%
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%	1,156	3.7%
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%	31,185	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 – 2007-2018



(*) Existing ship types in Equasis

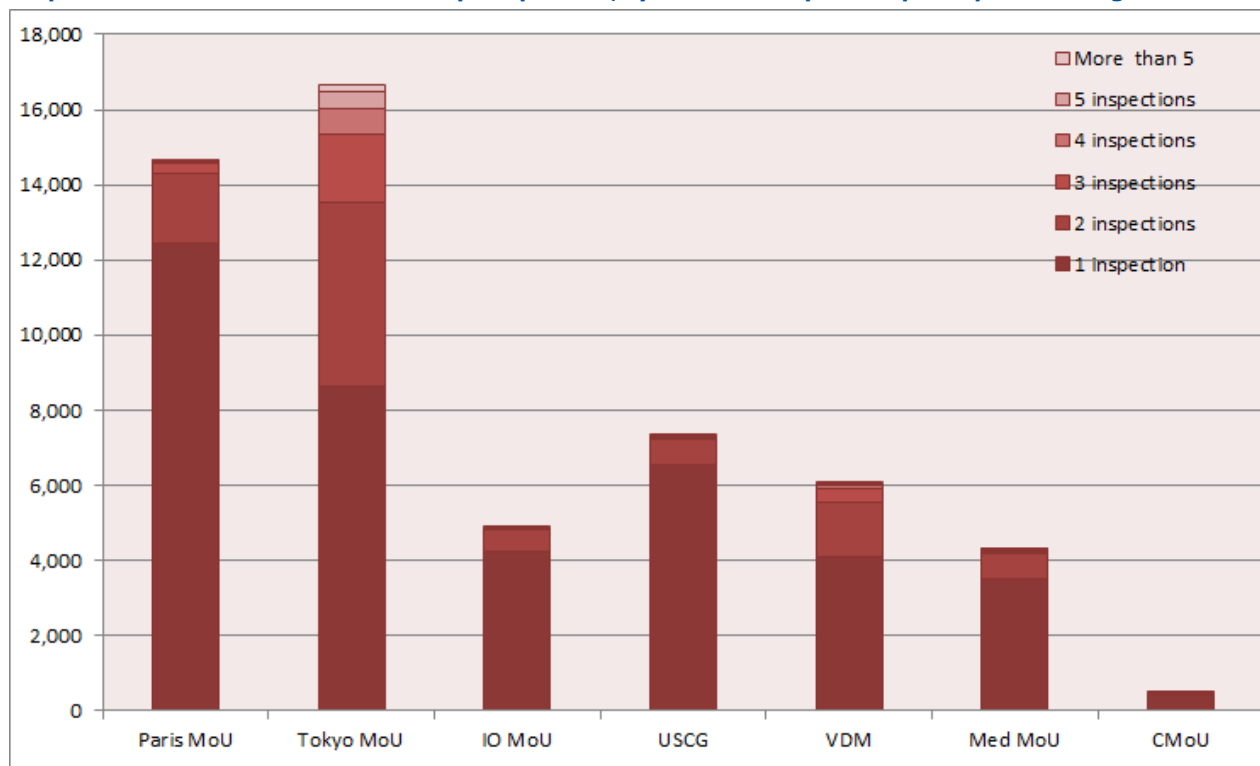
INSPECTION FREQUENCY BY PSC REGIONS (2018)

Table 114 - Total number of individual ships inspected^(*), by number of inspections per ship and by PSC region - 2018

Number of inspections per ship	Number of individual ships inspected														Overall inspections	
	PMoU		TMoU		IOMoU		USCG		VdMoU		MedMoU		CMoU			
1	12,428	84.9%	8,628	51.8%	4,221	87.1%	6,524	89.1%	4,089	67.6%	3,484	81.3%	404	90.2%	10,209	32.9%
2	1,879	12.8%	4,878	29.3%	599	12.4%	685	9.4%	1,456	24.1%	690	16.1%	42	9.4%	9,320	30.1%
3	271	1.9%	1,825	11.0%	26	0.5%	84	1.1%	371	6.1%	79	1.8%	2	0.4%	5,906	19.1%
4	45	0.3%	707	4.2%	1	0.0%	22	0.3%	80	1.3%	23	0.5%			3,284	10.6%
5	6	0.0%	425	2.6%			4	0.1%	33	0.5%	6	0.1%			1,485	4.8%
More than 5	2	0.0%	203	1.2%					24	0.4%	4	0.1%			786	2.5%
Total	14,631	100%	16,666	100%	4,847	100%	7,319	100%	6,053	100%	4,286	100%	448	100%	30,990	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 inspections per ship and PSC region - 2018



^(*) All existing ship types in Equasis

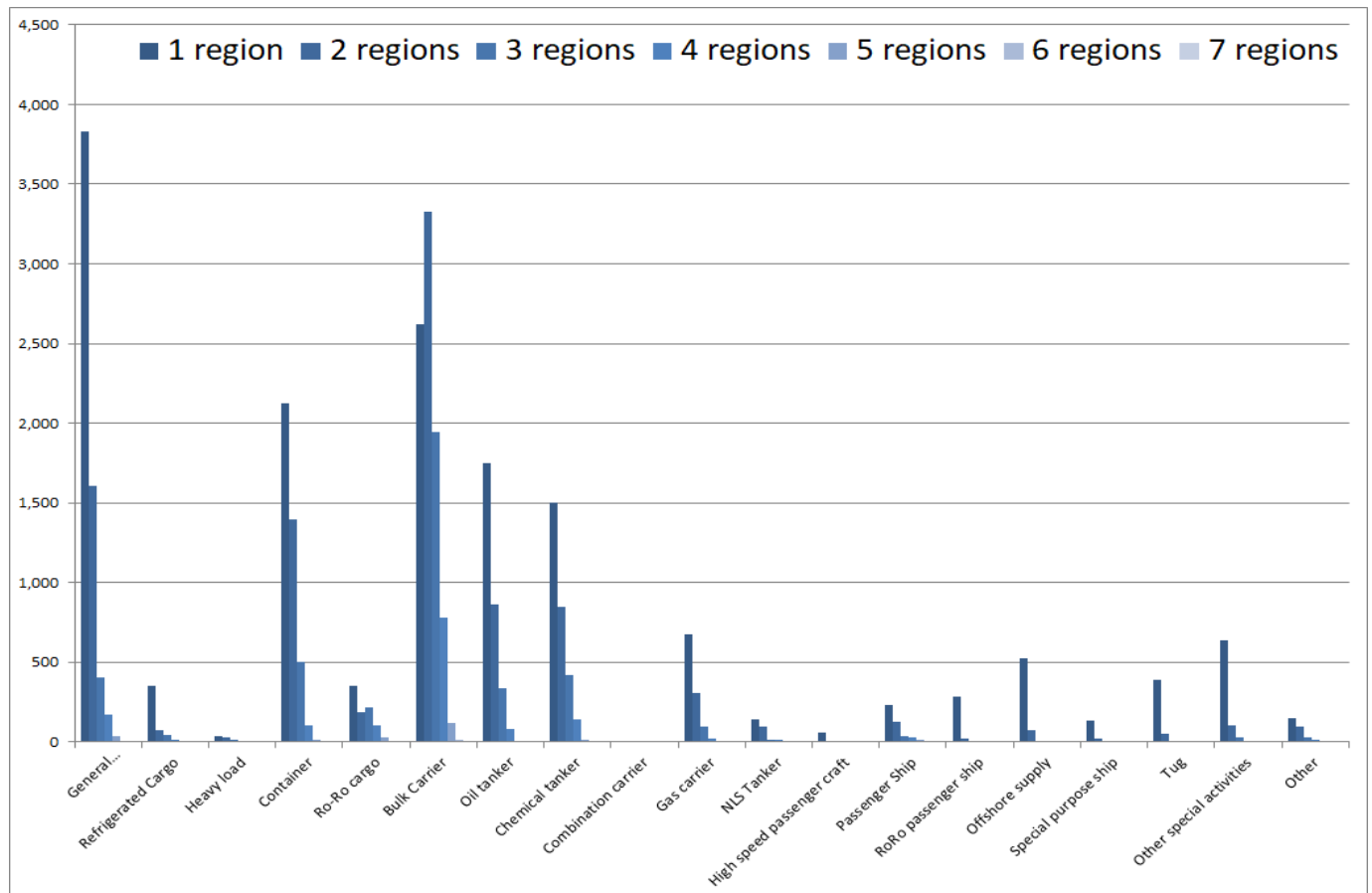
INSPECTIONS IN MORE THAN ONE REGION (2018)

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	3,830	24.2%	1,608	17.4%	405	9.9%	175	11.8%	37	15.8%	1	6.3%		
Refrigerated Cargo	349	2.2%	75	0.8%	44	1.1%	17	1.1%	8	3.4%	1	6.3%		
Heavy load	38	0.2%	27	0.3%	13	0.3%	4	0.3%	1	0.4%				
Container	2,125	13.4%	1,393	15.1%	504	12.3%	107	7.2%	13	5.6%				
Ro-Ro cargo	353	2.2%	186	2.0%	213	5.2%	101	6.8%	26	11.1%	2	12.5%		
Bulk Carrier	2,621	16.6%	3,324	36.0%	1,943	47.5%	783	52.8%	122	52.1%	10	62.5%		
Oil tanker	1,750	11.1%	863	9.3%	337	8.2%	79	5.3%						
Chemical tanker	1,499	9.5%	850	9.2%	418	10.2%	145	9.8%	10	4.3%	1	6.3%		
Combination carrier	9	0.1%	7	0.1%	2	0.0%								
Gas carrier	678	4.3%	310	3.4%	95	2.3%	18	1.2%	1	0.4%				
NLS Tanker	143	0.9%	94	1.0%	16	0.4%	10	0.7%						
High speed passenger craft	60	0.4%	5	0.1%										
Passenger Ship	229	1.4%	123	1.3%	36	0.9%	29	2.0%	15	6.4%	1	6.3%		
RoRo passenger ship	287	1.8%	22	0.2%										
Offshore supply	521	3.3%	72	0.8%	4	0.1%	1	0.1%						
Special purpose ship	134	0.8%	23	0.2%	2	0.0%								
Tug	390	2.5%	54	0.6%										
Other special activities	638	4.0%	105	1.1%	28	0.7%	3	0.2%						
Other	150	0.9%	97	1.1%	29	0.7%	12	0.8%	1					
Total	15,804	100%	9,238	100%	4,089	100%	1,484	100%	234	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 2016 AND 2018 – BY AGE

WHOLE FLEET GT≥500

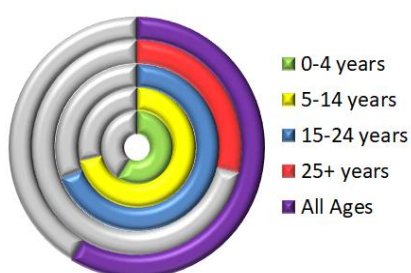
Table 116 - Total number of ships GT≥500 with and without inspections, by PSC type and age

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	856	370	43.2%	4,236	2,752	65.0%	2,272	1,613	71.0%	5,237	2,099	40.1%	12,601	6,834	54.2%
Refrigerated Cargo	73	12	16.4%	66	32	48.5%	140	108	77.1%	691	377	54.6%	970	529	54.5%
Heavy load	24	17	70.8%	48	36	75.0%	17	17	100.0%	24	22	91.7%	113	92	81.4%
Container	741	556	75.0%	2,735	2,570	94.0%	1,343	1,179	87.8%	238	124	52.1%	5,057	4,429	87.6%
Ro-Ro cargo	129	92	71.3%	511	470	92.0%	334	279	83.5%	270	136	50.4%	1,244	977	78.5%
Bulk Carrier	2,014	1,719	85.4%	6,500	6,019	92.6%	1,647	1,537	93.3%	379	207	54.6%	10,540	9,482	90.0%
Oil tanker	1,094	588	53.7%	3,254	2,200	67.6%	1,463	926	63.3%	2,004	223	11.1%	7,815	3,937	50.4%
Chemical tanker	774	576	74.4%	2,278	1,903	83.5%	842	714	84.8%	546	138	25.3%	4,440	3,331	75.0%
Combination carrier	4	4	100.0%	12	9	75.0%	11	11	100.0%	25	3	12.0%	52	27	51.9%
Gas carrier	438	340	77.6%	759	644	84.8%	389	284	73.0%	309	103	33.3%	1,895	1,371	72.3%
NLS Tanker	68	68	100.0%	163	163	100.0%	86	86	100.0%	13	6	46.2%	330	323	97.9%
High speed passenger craft	4	4	100.0%	8	8	100.0%	36	36	100.0%	1	1	100.0%	49	49	100.0%
Passenger Ship	204	71	34.8%	445	180	40.4%	403	159	39.5%	551	156	28.3%	1,603	566	35.3%
RoRo passenger ship	268	27	10.1%	459	71	15.5%	458	119	26.0%	1,025	172	16.8%	2,210	389	17.6%
Offshore supply	667	144	21.6%	2,473	549	22.2%	550	129	23.5%	1,129	120	10.6%	4,819	942	19.5%
Special purpose ship	47	25	53.2%	115	79	68.7%	55	34	61.8%	291	67	23.0%	508	205	40.4%
Tug	122	24	19.7%	369	106	28.7%	113	19	16.8%	470	36	7.7%	1,074	185	17.2%
Other special activities	499	118	23.6%	1,014	425	41.9%	493	135	27.4%	1,518	235	15.5%	3,524	913	25.9%
Other	81	32	39.5%	230	113	49.1%	147	71	48.3%	415	134	32.3%	873	350	40.1%
Total	8,107	4,787	59%	25,675	18,329	71%	10,799	7,456	69%	15,136	4,359	29%	59,717	34,931	58%

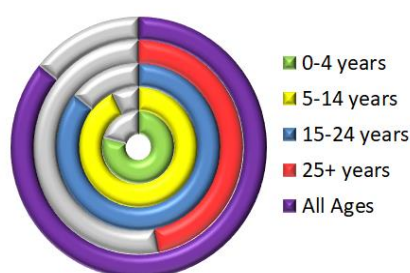
Table 117 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and age

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	8,225	6,174	75.1%	29,843	26,235	87.9%	14,777	12,975	87.8%	14,022	7,668	54.7%	66,867	53,052	79.3%
Refrigerated Cargo	388	127	32.7%	336	270	80.4%	916	868	94.8%	2,827	2,120	75.0%	4,467	3,385	75.8%
Heavy load	706	536	75.9%	960	727	75.7%	340	340	100.0%	766	753	98.3%	2,772	2,356	85.0%
Container	57,092	50,006	87.6%	137,344	134,898	98.2%	38,890	36,819	94.7%	3,583	2,492	69.6%	236,909	224,215	94.6%
Ro-Ro cargo	6,157	5,487	89.1%	24,281	23,828	98.1%	10,447	9,927	95.0%	2,441	1,697	69.5%	43,326	40,939	94.5%
Bulk Carrier	94,038	79,444	84.5%	281,091	269,816	96.0%	56,147	53,181	94.7%	12,444	8,692	69.8%	443,720	411,133	92.7%
Oil tanker	57,810	40,610	70.2%	144,812	132,794	91.7%	66,006	52,716	79.9%	8,936	1,540	17.2%	277,564	227,660	82.0%
Chemical tanker	14,940	11,815	79.1%	33,189	30,360	91.5%	10,440	9,562	91.6%	1,791	648	36.2%	60,360	52,385	86.8%
Combination carrier	77	77	100.0%	191	180	94.2%	360	360	100.0%	86	8	9.3%	714	625	87.5%
Gas carrier	24,196	19,083	78.9%	34,568	32,002	92.6%	11,371	8,550	75.2%	3,844	2,693	70.1%	73,979	62,328	84.3%
NLS Tanker	5,243	5,243	100.0%	6,883	6,883	100.0%	3,926	3,926	100.0%	63	54	85.7%	16,115	16,106	99.9%
High speed passenger craft	14	14	100.0%	47	47	100.0%	152	152	100.0%	3	3	100.0%	216	216	100.0%
Passenger Ship	5,288	4,164	78.7%	8,225	7,703	93.7%	8,190	7,794	95.2%	3,348	2,694	80.5%	25,051	22,355	89.2%
RoRo passenger ship	1,624	373	23.0%	4,191	2,181	52.0%	4,956	3,120	63.0%	5,843	3,249	55.6%	16,614	8,923	53.7%
Offshore supply	3,049	720	23.6%	7,286	2,160	29.6%	1,390	481	34.6%	1,941	410	21.1%	13,666	3,771	27.6%
Special purpose ship	438	325	74.2%	1,652	1,391	84.2%	632	330	52.2%	1,135	278	24.5%	3,857	2,324	60.3%
Tug	137	54	39.4%	494	221	44.7%	108	28	25.9%	424	43	10.1%	1,163	346	29.8%
Other special activities	10,374	5,115	49.3%	15,606	6,604	42.3%	8,434	2,423	28.7%	14,456	1,224	8.5%	48,870	15,366	31.4%
Other	1,311	728	55.5%	3,558	2,919	82.0%	1,654	1,459	88.2%	1,749	1,105	63.2%	8,272	6,211	75.1%
Total	291,107	230,095	79%	734,557	681,219	93%	239,136	205,011	86%	79,702	37,371	47%	1,344,502	1,153,696	86%

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



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



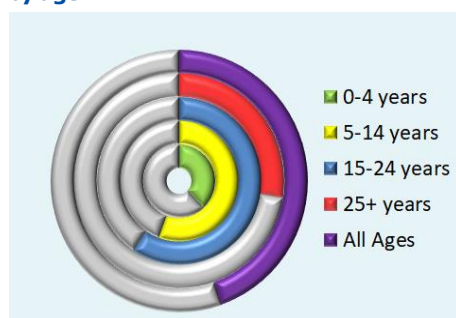
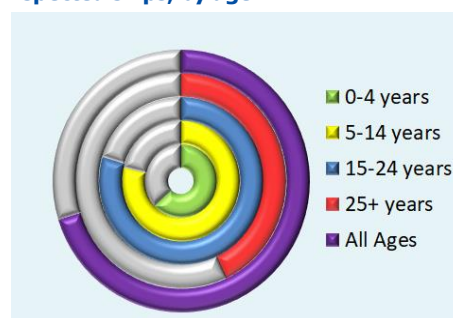
Medium sized Ships

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	758	282	37.2%	4,061	2,577	63.5%	2,163	1,510	69.8%	5,201	2,064	39.7%	12,183	6,433	52.8%
Refrigerated Cargo	73	12	16.4%	66	32	48.5%	138	106	76.8%	689	377	54.7%	966	527	54.6%
Heavy load	12	7	58.3%	39	29	74.4%	12	12	100.0%	4	2	50.0%	67	50	74.6%
Container	240	133	55.4%	953	823	86.4%	745	605	81.2%	188	85	45.2%	2,126	1,646	77.4%
Ro-Ro cargo	41	13	31.7%	74	36	48.6%	177	124	70.1%	255	121	47.5%	547	294	53.7%
Bulk Carrier	389	313	80.5%	1,793	1,544	86.1%	515	480	93.2%	233	125	53.6%	2,930	2,462	84.0%
Oil tanker	457	114	24.9%	1,446	506	35.0%	635	245	38.6%	1,933	209	10.8%	4,471	1,074	24.0%
Chemical tanker	434	309	71.2%	1,646	1,315	79.9%	686	567	82.7%	544	137	25.2%	3,310	2,328	70.3%
Combination carrier	2	2	100.0%	7	4	57.1%	5	5	100.0%	25	3	12.0%	39	14	35.9%
Gas carrier	148	100	67.6%	414	318	76.8%	265	184	69.4%	264	70	26.5%	1,091	672	61.6%
NLS Tanker	10	10	100.0%	67	67	100.0%	43	43	100.0%	12	5	41.7%	132	125	94.7%
High speed passenger craft	4	4	100.0%	8	8	100.0%	36	36	100.0%	1	1	100.0%	49	49	100.0%
Passenger Ship	164	37	22.6%	375	111	29.6%	305	61	20.0%	512	117	22.9%	1,356	326	24.0%
RoRo passenger ship	258	22	8.5%	396	20	5.1%	374	53	14.2%	969	120	12.4%	1,997	215	10.8%
Offshore supply	662	144	21.8%	2,462	547	22.2%	548	128	23.4%	1,125	117	10.4%	4,797	936	19.5%
Special purpose ship	44	22	50.0%	101	68	67.3%	51	32	62.7%	287	66	23.0%	483	188	38.9%
Tug	122	24	19.7%	369	106	28.7%	113	19	16.8%	470	36	7.7%	1,074	185	17.2%
Other special activities	410	68	16.6%	819	324	39.6%	407	101	24.8%	1,398	223	16.0%	3,034	716	23.6%
Other	65	22	33.8%	171	56	32.7%	120	45	37.5%	401	120	29.9%	757	243	32.1%
Total	4,293	1,638	38%	15,267	8,491	56%	7,338	4,356	59%	14,511	3,998	28%	41,409	18,483	45%

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	4,577	2,904	63.4%	23,345	19,737	84.5%	10,796	9,158	84.8%	12,915	6,599	51.1%	51,633	38,398	74.4%
Refrigerated Cargo	388	127	32.7%	336	270	80.4%	850	802	94.4%	2,746	2,120	77.2%	4,320	3,319	76.8%
Heavy load	130	93	71.5%	530	416	78.5%	126	126	100.0%	33	20	60.6%	819	655	80.0%
Container	2,988	2,040	68.3%	11,348	10,505	92.6%	8,563	7,353	85.9%	1,743	1,019	58.5%	24,642	20,917	84.9%
Ro-Ro cargo	423	138	32.6%	986	621	63.0%	2,187	1,797	82.2%	1,738	994	57.2%	5,334	3,550	66.6%
Bulk Carrier	8,108	6,925	85.4%	32,234	28,545	88.6%	8,296	7,872	94.9%	3,373	1,851	54.9%	52,011	45,193	86.9%
Oil tanker	2,071	833	40.2%	6,916	3,775	54.6%	4,153	2,540	61.2%	4,496	567	12.6%	17,636	7,715	43.7%
Chemical tanker	4,791	3,878	80.9%	14,537	12,999	89.4%	5,999	5,377	89.6%	1,717	604	35.2%	27,044	22,858	84.5%
Combination carrier	18	18	100.0%	29	18	62.1%	69	69	100.0%	86	8	9.3%	202	113	55.9%
Gas carrier	1,464	1,188	81.1%	3,131	2,722	86.9%	1,489	1,154	77.5%	755	374	49.5%	6,839	5,438	79.5%
NLS Tanker	122	122	100.0%	663	663	100.0%	364	364	100.0%	18	9	50.0%	1,167	1,158	99.2%
High speed passenger craft	14	14	100.0%	47	47	100.0%	152	152	100.0%	3	3	100.0%	216	216	100.0%
Passenger Ship	431	126	29.2%	661	220	33.3%	662	266	40.2%	1,422	768	54.0%	3,176	1,380	43.5%
RoRo passenger ship	1,262	190	15.1%	1,863	227	12.2%	2,001	763	38.1%	3,969	1,509	38.0%	9,095	2,689	29.6%
Offshore supply	2,822	720	25.5%	6,877	2,093	30.4%	1,273	398	31.3%	1,726	234	13.6%	12,698	3,445	27.1%
Special purpose ship	339	226	66.7%	662	524	79.2%	359	263	73.3%	999	252	25.2%	2,359	1,265	53.6%
Tug	137	54	39.4%	494	221	44.7%	108	28	25.9%	424	43	10.1%	1,163	346	29.8%
Other special activities	1,648	525	31.9%	3,116	1,586	50.9%	1,531	624	40.8%	3,062	687	22.4%	9,357	3,422	36.6%
Other	330	106	32.1%	935	369	39.5%	538	369	68.6%	1,182	538	45.5%	2,985	1,382	46.3%
Total	32,063	20,227	63%	108,710	85,558	79%	49,516	39,475	80%	42,407	18,199	43%	232,696	163,459	70%

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

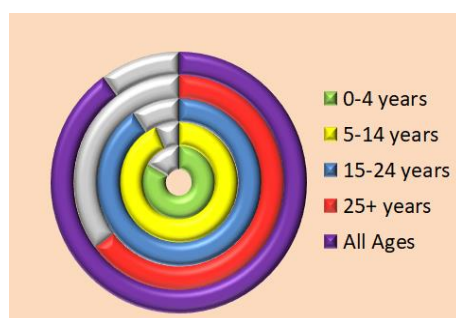
Table 120 - Total number of large ships with and without inspections, by PSC type and age

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	91	81	89.0%	166	166	100.0%	101	95	94.1%	36	35	97.2%	394	377	95.7%
Refrigerated Cargo							2	2	100.0%	2		0.0%	4	2	50.0%
Heavy load	9	9	100.0%	7	6	85.7%	5	5	100.0%	20	20	100.0%	41	40	97.6%
Container	151	101	66.9%	936	901	96.3%	363	339	93.4%	50	39	78.0%	1,500	1,380	92.0%
Ro-Ro cargo	24	17	70.8%	309	306	99.0%	126	126	100.0%	15	15	100.0%	474	464	97.9%
Bulk Carrier	1,293	1,116	86.3%	3,535	3,305	93.5%	974	899	92.3%	110	48	43.6%	5,912	5,368	90.8%
Oil tanker	116	91	78.4%	828	765	92.4%	457	376	82.3%	49	10	20.4%	1,450	1,242	85.7%
Chemical tanker	340	267	78.5%	632	588	93.0%	156	147	94.2%	2	1	50.0%	1,130	1,003	88.8%
Combination carrier	2	2	100.0%	5	5	100.0%	3	3	100.0%				10	10	100.0%
Gas carrier	152	136	89.5%	109	108	99.1%	47	45	95.7%	25	17	68.0%	333	306	91.9%
NLS Tanker	27	27	100.0%	56	56	100.0%	24	24	100.0%	1	1	100.0%	108	108	100.0%
High speed passenger craft															
Passenger Ship	10	9	90.0%	5	5	100.0%	23	23	100.0%	30	30	100.0%	68	67	98.5%
RoRo passenger ship	10	5	50.0%	59	47	79.7%	83	65	78.3%	56	52	92.9%	208	169	81.3%
Offshore supply	3		0.0%	10	2	20.0%	1		0.0%	3	2	66.7%	17	4	23.5%
Special purpose ship	3	3	100.0%	12	9	75.0%	2	2	100.0%	4	1	25.0%	21	15	71.4%
Tug															
Other special activities	30	21	70.0%	124	91	73.4%	42	29	69.0%	39	10	25.6%	235	151	64.3%
Other	5	3	60.0%	52	50	96.2%	25	24	96.0%	14	14	100.0%	96	91	94.8%
Total	2,266	1,888	83%	6,845	6,410	94%	2,434	2,204	91%	456	295	65%	12,001	10,797	90%

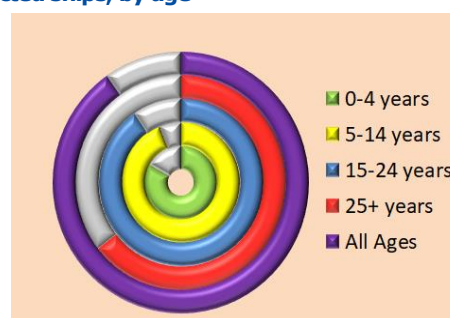
Table 121 - Gross tonnage (in 1000 GT) of large ships with and without inspections, by PSC type and age

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	3,020	2,642	87.5%	5,877	5,877	100.0%	3,380	3,216	95.1%	1,107	1,069	96.6%	13,384	12,804	95.7%
Refrigerated Cargo							66	66	100.0%	81		0.0%	147	66	44.9%
Heavy load	358	358	100.0%	277	219	79.1%	214	214	100.0%	733	733	100.0%	1,582	1,524	96.3%
Container	5,040	3,429	68.0%	37,161	35,558	95.7%	12,843	11,982	93.3%	1,840	1,473	80.1%	56,884	52,442	92.2%
Ro-Ro cargo	1,077	813	75.5%	15,027	14,939	99.4%	6,204	6,204	100.0%	703	703	100.0%	23,011	22,659	98.5%
Bulk Carrier	48,873	41,839	85.6%	133,407	125,977	94.4%	33,141	30,599	92.3%	3,821	1,736	45.4%	219,242	200,151	91.3%
Oil tanker	4,501	3,475	77.2%	33,466	30,923	92.4%	18,993	15,695	82.6%	2,029	465	22.9%	58,989	50,558	85.7%
Chemical tanker	10,149	7,937	78.2%	18,652	17,361	93.1%	4,441	4,185	94.2%	74	44	59.5%	33,316	29,527	88.6%
Combination carrier	59	59	100.0%	162	162	100.0%	86	86	100.0%				307	307	100.0%
Gas carrier	6,502	5,833	89.7%	4,853	4,806	99.0%	2,019	1,927	95.4%	1,103	752	68.2%	14,477	13,318	92.0%
NLS Tanker	1,030	1,030	100.0%	2,013	2,013	100.0%	1,040	1,040	100.0%	45	45	100.0%	4,128	4,128	100.0%
High speed passenger craft															
Passenger Ship	467	419	89.7%	180	180	100.0%	831	831	100.0%	1,282	1,282	100.0%	2,760	2,712	98.3%
RoRo passenger ship	362	183	50.6%	2,061	1,687	81.9%	2,880	2,282	79.2%	1,874	1,740	92.8%	7,177	5,892	82.1%
Offshore supply	84		0.0%	349	67	19.2%	34		0.0%	126	87	69.0%	593	154	26.0%
Special purpose ship	99	99	100.0%	485	362	74.6%	67	67	100.0%	136	26	19.1%	787	554	70.4%
Tug															
Other special activities	1,272	850	66.8%	5,633	4,058	72.0%	1,826	1,175	64.3%	1,700	378	22.2%	10,431	6,461	61.9%
Other	208	137	65.9%	2,198	2,125	96.7%	993	967	97.4%	567	567	100.0%	3,966	3,796	95.7%
Total	83,101	69,103	83%	261,801	246,314	94%	89,058	80,536	90%	17,221	11,100	64%	451,181	407,053	90%

Graph 111 - Proportion of large inspected ships, by age



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



VERY LARGE SHIPS

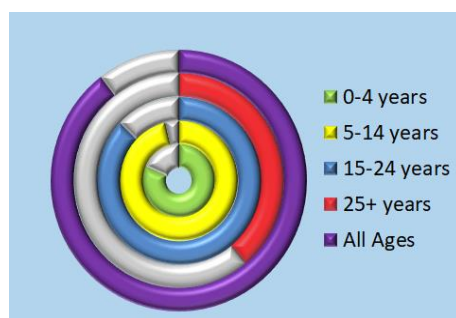
Table 122 - Total number of very large ships with and without inspections, by age and size

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	7	7	100.0%	9	9	100.0%	8	8	100.0%				24	24	100.0%
Refrigerated Cargo															
Heavy load	3	1	33.3%	2	1	50.0%							5	2	40.0%
Container	350	322	92.0%	846	846	100.0%	235	235	100.0%				1,431	1,403	98.0%
Ro-Ro cargo	64	62	96.9%	128	128	100.0%	31	29	93.5%				223	219	98.2%
Bulk Carrier	332	290	87.3%	1,172	1,170	99.8%	158	158	100.0%	36	34	94.4%	1,698	1,652	97.3%
Oil tanker	521	383	73.5%	980	929	94.8%	371	305	82.2%	22	4	18.2%	1,894	1,621	85.6%
Chemical tanker															
Combination carrier							3	3	100.0%				3	3	100.0%
Gas carrier	138	104	75.4%	236	218	92.4%	77	55	71.4%	20	16	80.0%	471	393	83.4%
NLS Tanker	31	31	100.0%	40	40	100.0%	19	19	100.0%				90	90	100.0%
High speed passenger craft															
Passenger Ship	30	25	83.3%	65	64	98.5%	75	75	100.0%	9	9	100.0%	179	173	96.6%
RoRo passenger ship				4	4	100.0%	1	1	100.0%				5	5	100.0%
Offshore supply	2		0.0%	1		0.0%	1	1	100.0%	1	1	100.0%	5	2	40.0%
Special purpose ship				2	2	100.0%	2		0.0%				4	2	50.0%
Tug															
Other special activities	59	29	49.2%	71	10	14.1%	44	5	11.4%	81	2	2.5%	255	46	18.0%
Other	11	7	63.6%	7	7	100.0%	2	2	100.0%				20	16	80.0%
Total	1,548	1,261	81%	3,563	3,428	96%	1,027	896	87%	169	66	39%	6,307	5,651	90%

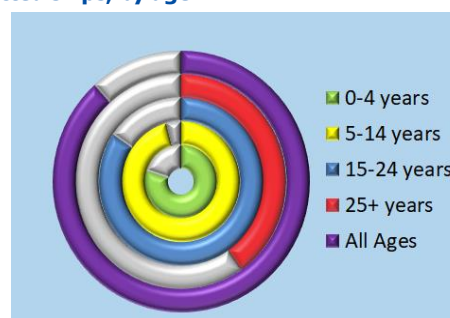
Table 123 - Gross tonnage (in 1000 GT) of very large ships with and without inspections, by age and size

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	628	628	100.0%	621	621	100.0%	601	601	100.0%				1,850	1,850	100.0%
Refrigerated Cargo															
Heavy load	218	85	39.0%	153	92	60.1%							371	177	47.7%
Container	49,064	44,537	90.8%	88,835	88,835	100.0%	17,484	17,484	100.0%				155,383	150,856	97.1%
Ro-Ro cargo	4,657	4,536	97.4%	8,268	8,268	100.0%	2,056	1,926	93.7%				14,981	14,730	98.3%
Bulk Carrier	37,057	30,680	82.8%	115,450	115,294	99.9%	14,710	14,710	100.0%	5,250	5,105	97.2%	172,467	165,789	96.1%
Oil tanker	51,238	36,302	70.8%	104,430	98,096	93.9%	42,860	34,481	80.5%	2,411	508	21.1%	200,939	169,387	84.3%
Chemical tanker															
Combination carrier							205	205	100.0%				205	205	100.0%
Gas carrier	16,230	12,062	74.3%	26,584	24,474	92.1%	7,863	5,469	69.6%	1,986	1,567	78.9%	52,663	43,572	82.7%
NLS Tanker	4,091	4,091	100.0%	4,207	4,207	100.0%	2,522	2,522	100.0%				10,820	10,820	100.0%
High speed passenger craft															
Passenger Ship	4,390	3,619	82.4%	7,384	7,303	98.9%	6,697	6,697	100.0%	644	644	100.0%	19,115	18,263	95.5%
RoRo passenger ship				267	267	100.0%	75	75	100.0%				342	342	100.0%
Offshore supply	143		0.0%	60		0.0%	83	83	100.0%	89	89	100.0%	375	172	45.9%
Special purpose ship				505	505	100.0%	206		0.0%				711	505	71.0%
Tug															
Other special activities	7,454	3,740	50.2%	6,857	960	14.0%	5,077	624	12.3%	9,694	159	1.6%	29,082	5,483	18.9%
Other	773	485	62.7%	425	425	100.0%	123	123	100.0%				1,321	1,033	78.2%
Total	175,943	140,765	80%	364,046	349,347	96%	100,562	85,000	85%	20,074	8,072	40%	660,625	583,184	88%

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 2016 AND 2018 – BY P&I

WHOLE FLEET GT≥500

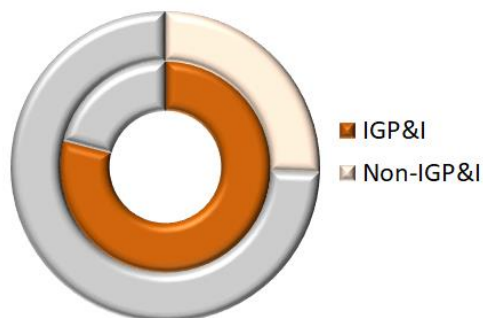
Table 124 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,296	3,711	86.4%	8,305	3,123	37.6%	12,601	6,834	54.2%
Refrigerated Cargo	358	274	76.5%	612	255	41.7%	970	529	54.5%
Heavy load	92	85	92.4%	21	7	33.3%	113	92	81.4%
Container	4,431	4,156	93.8%	626	273	43.6%	5,057	4,429	87.6%
Ro-Ro cargo	925	864	93.4%	319	113	35.4%	1,244	977	78.5%
Bulk Carrier	9,350	8,911	95.3%	1,190	571	48.0%	10,540	9,482	90.0%
Oil tanker	4,995	3,574	71.6%	2,820	363	12.9%	7,815	3,937	50.4%
Chemical tanker	3,621	3,126	86.3%	819	205	25.0%	4,440	3,331	75.0%
Combination carrier	30	25	83.3%	22	2	9.1%	52	27	51.9%
Gas carrier	1,519	1,301	85.6%	376	70	18.6%	1,895	1,371	72.3%
NLS Tanker	309	309	100.0%	21	14	66.7%	330	323	97.9%
High speed passenger craft	35	35	100.0%	14	14	100.0%	49	49	100.0%
Passenger Ship	686	401	58.5%	917	165	18.0%	1,603	566	35.3%
RoRo passenger ship	758	317	41.8%	1,452	72	5.0%	2,210	389	17.6%
Offshore supply	3,096	784	25.3%	1,723	158	9.2%	4,819	942	19.5%
Special purpose ship	223	150	67.3%	285	55	19.3%	508	205	40.4%
Tug	517	143	27.7%	557	42	7.5%	1,074	185	17.2%
Other special activities	1,241	674	54.3%	2,283	239	10.5%	3,524	913	25.9%
Other	301	231	76.7%	572	110	19.2%	873	341	39.1%
Total	36,783	29,071	79%	22,934	5,851	26%	59,717	34,922	58%

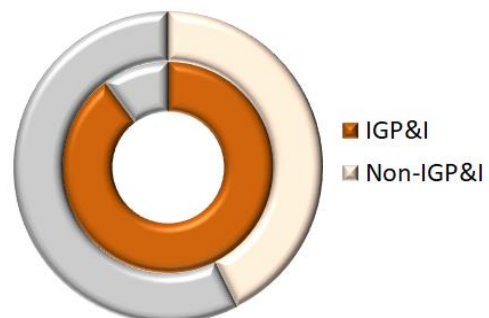
Table 125 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	43,265	40,730	94.1%	23,601	12,323	52.2%	66,866	53,053	79.3%
Refrigerated Cargo	2,486	2,189	88.1%	1,982	1,196	60.3%	4,468	3,385	75.8%
Heavy load	2,442	2,270	93.0%	330	84	25.5%	2,772	2,354	84.9%
Container	228,155	219,676	96.3%	8,753	4,537	51.8%	236,908	224,213	94.6%
Ro-Ro cargo	40,832	39,740	97.3%	2,494	1,198	48.0%	43,326	40,938	94.5%
Bulk Carrier	418,583	399,105	95.3%	25,135	12,028	47.9%	443,718	411,133	92.7%
Oil tanker	257,203	216,692	84.2%	20,362	10,970	53.9%	277,565	227,662	82.0%
Chemical tanker	57,056	50,917	89.2%	3,306	1,469	44.4%	60,362	52,386	86.8%
Combination carrier	635	601	94.6%	79	24	30.4%	714	625	87.5%
Gas carrier	72,484	61,550	84.9%	1,492	778	52.1%	73,976	62,328	84.3%
NLS Tanker	15,948	15,948	100.0%	166	157	94.6%	16,114	16,105	99.9%
High speed passenger craft	184	184	100.0%	32	32	100.0%	216	216	100.0%
Passenger Ship	23,296	21,902	94.0%	1,756	454	25.9%	25,052	22,356	89.2%
RoRo passenger ship	11,060	8,166	73.8%	5,555	756	13.6%	16,615	8,922	53.7%
Offshore supply	10,314	3,369	32.7%	3,355	402	12.0%	13,669	3,771	27.6%
Special purpose ship	2,860	2,055	71.9%	997	268	26.9%	3,857	2,323	60.2%
Tug	658	300	45.6%	506	45	8.9%	1,164	345	29.6%
Other special activities	35,793	13,901	38.8%	13,076	1,467	11.2%	48,869	15,368	31.4%
Other	6,137	5,359	87.3%	2,135	852	39.9%	8,272	6,211	75.1%
Total	1,229,391	1,104,654	90%	115,112	49,040	43%	1,344,503	1,153,694	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

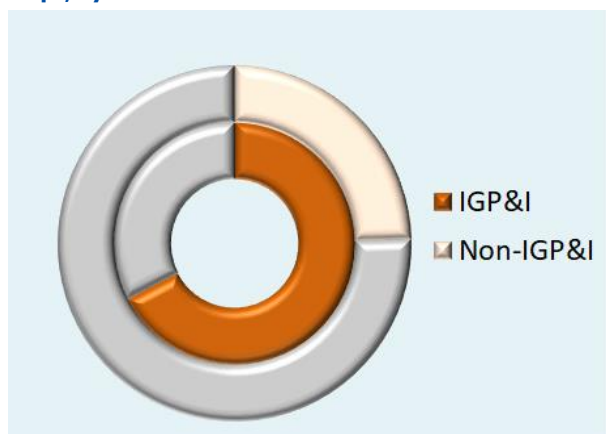
Table 126 - Total number of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,894	3,321	85.3%	8,289	3,112	37.5%	12,183	6,433	52.8%
Refrigerated Cargo	356	272	76.4%	610	255	41.8%	966	527	54.6%
Heavy load	48	43	89.6%	19	7	36.8%	67	50	74.6%
Container	1,613	1,433	88.8%	513	213	41.5%	2,126	1,646	77.4%
Ro-Ro cargo	237	190	80.2%	310	104	33.5%	547	294	53.7%
Bulk Carrier	2,218	2,110	95.1%	712	352	49.4%	2,930	2,462	84.0%
Oil tanker	1,797	812	45.2%	2,674	262	9.8%	4,471	1,074	24.0%
Chemical tanker	2,511	2,136	85.1%	799	192	24.0%	3,310	2,328	70.3%
Combination carrier	17	12	70.6%	22	2	9.1%	39	14	35.9%
Gas carrier	729	612	84.0%	362	60	16.6%	1,091	672	61.6%
NLS Tanker	113	113	100.0%	19	12	63.2%	132	125	94.7%
High speed passenger craft	35	35	100.0%	14	14	100.0%	49	49	100.0%
Passenger Ship	440	162	36.8%	916	164	17.9%	1,356	326	24.0%
RoRo passenger ship	557	149	26.8%	1,440	66	4.6%	1,997	215	10.8%
Offshore supply	3,079	779	25.3%	1,718	157	9.1%	4,797	936	19.5%
Special purpose ship	200	134	67.0%	283	54	19.1%	483	188	38.9%
Tug	517	143	27.7%	557	42	7.5%	1,074	185	17.2%
Other special activities	855	490	57.3%	2,179	226	10.4%	3,034	716	23.6%
Other	196	134	68.4%	561	109	19.4%	757	243	32.1%
Total	19,412	13,080	67%	21,997	5,403	25%	41,409	18,483	45%

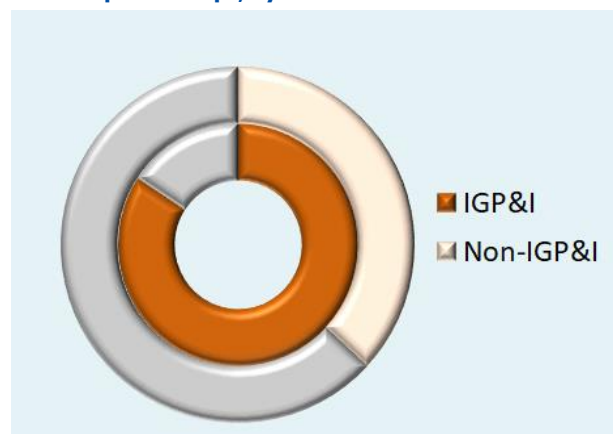
Table 127 - Gross tonnage (in 1000 GT) of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	28,499	26,398	92.6%	23,133	12,001	51.9%	51,632	38,399	74.4%
Refrigerated Cargo	2,420	2,123	87.7%	1,901	1,196	62.9%	4,321	3,319	76.8%
Heavy load	623	570	91.5%	196	84	42.9%	819	654	79.9%
Container	20,763	18,909	91.1%	3,879	2,007	51.7%	24,642	20,916	84.9%
Ro-Ro cargo	3,362	2,873	85.5%	1,972	676	34.3%	5,334	3,549	66.5%
Bulk Carrier	42,779	40,770	95.3%	9,231	4,423	47.9%	52,010	45,193	86.9%
Oil tanker	10,808	6,748	62.4%	6,829	968	14.2%	17,637	7,716	43.7%
Chemical tanker	24,325	21,768	89.5%	2,720	1,090	40.1%	27,045	22,858	84.5%
Combination carrier	123	89	72.4%	79	24	30.4%	202	113	55.9%
Gas carrier	6,105	5,180	84.8%	732	257	35.1%	6,837	5,437	79.5%
NLS Tanker	1,108	1,108	100.0%	59	50	84.7%	1,167	1,158	99.2%
High speed passenger craft	184	184	100.0%	32	32	100.0%	216	216	100.0%
Passenger Ship	1,446	952	65.8%	1,731	429	24.8%	3,177	1,381	43.5%
RoRo passenger ship	3,914	2,112	54.0%	5,181	576	11.1%	9,095	2,688	29.6%
Offshore supply	9,575	3,126	32.6%	3,123	319	10.2%	12,698	3,445	27.1%
Special purpose ship	1,445	1,024	70.9%	915	241	26.3%	2,360	1,265	53.6%
Tug	658	300	45.6%	506	45	8.9%	1,164	345	29.6%
Other special activities	4,328	2,827	65.3%	5,028	597	11.9%	9,356	3,424	36.6%
Other	1,281	926	72.3%	1,704	457	26.8%	2,985	1,383	46.3%
Total	163,746	137,987	84%	68,951	25,472	37%	232,697	163,459	70%

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

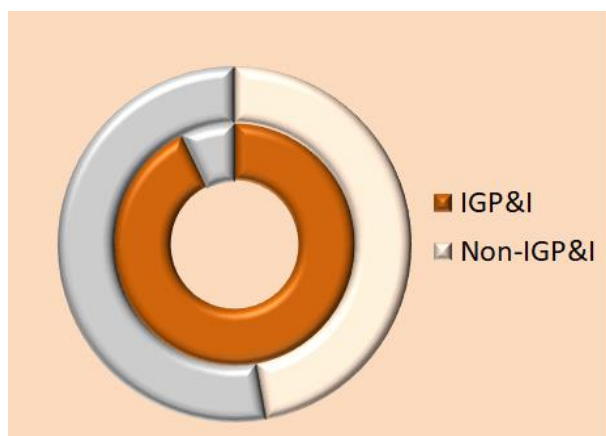
Table 128 - Total number of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	378	366	96.8%	16	11	68.8%	394	377	95.7%
Refrigerated Cargo	2	2	100.0%	2		0.0%	4	2	50.0%
Heavy load	41	40	97.6%				41	40	97.6%
Container	1,400	1,328	94.9%	100	52	52.0%	1,500	1,380	92.0%
Ro-Ro cargo	467	457	97.9%	7	7	100.0%	474	464	97.9%
Bulk Carrier	5,440	5,154	94.7%	472	214	45.3%	5,912	5,368	90.8%
Oil tanker	1,388	1,204	86.7%	62	38	61.3%	1,450	1,242	85.7%
Chemical tanker	1,110	990	89.2%	20	13	65.0%	1,130	1,003	88.8%
Combination carrier	10	10	100.0%				10	10	100.0%
Gas carrier	321	297	92.5%	12	9	75.0%	333	306	91.9%
NLS Tanker	107	107	100.0%	1	1	100.0%	108	108	100.0%
High speed passenger craft									
Passenger Ship	67	66	98.5%	1	1	100.0%	68	67	98.5%
RoRo passenger ship	196	163	83.2%	12	6	50.0%	208	169	81.3%
Offshore supply	13	4	30.8%	4		0.0%	17	4	23.5%
Special purpose ship	19	14	73.7%	2	1	50.0%	21	15	71.4%
Tug									
Other special activities	197	147	74.6%	38	4	10.5%	235	151	64.3%
Other	85	81	95.3%	11	1	9.1%	96	82	85.4%
Total	11,241	10,430	93%	760	358	47%	12,001	10,788	90%

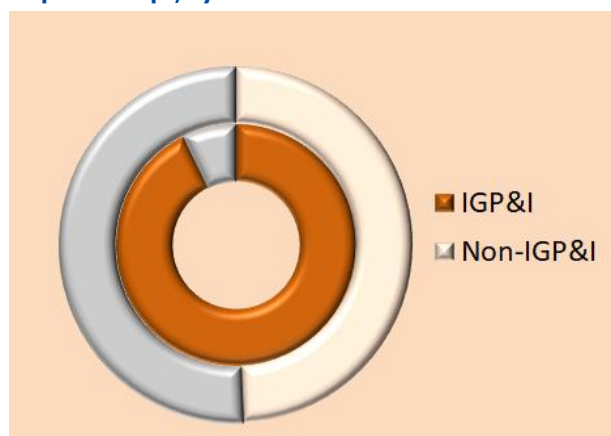
Table 129 - Gross tonnage (in 1000 GT) of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	12,916	12,482	96.6%	468	322	68.8%	13,384	12,804	95.7%
Refrigerated Cargo	66	66	100.0%	81		0.0%	147	66	44.9%
Heavy load	1,582	1,524	96.3%				1,582	1,524	96.3%
Container	53,354	50,493	94.6%	3,530	1,948	55.2%	56,884	52,441	92.2%
Ro-Ro cargo	22,633	22,282	98.4%	377	377	100.0%	23,010	22,659	98.5%
Bulk Carrier	203,858	193,002	94.7%	15,384	7,149	46.5%	219,242	200,151	91.3%
Oil tanker	56,335	48,891	86.8%	2,654	1,668	62.8%	58,989	50,559	85.7%
Chemical tanker	32,731	29,149	89.1%	586	379	64.7%	33,317	29,528	88.6%
Combination carrier	307	307	100.0%				307	307	100.0%
Gas carrier	13,957	12,916	92.5%	520	403	77.5%	14,477	13,319	92.0%
NLS Tanker	4,102	4,102	100.0%	26	26	100.0%	4,128	4,128	100.0%
High speed passenger craft									
Passenger Ship	2,734	2,686	98.2%	25	25	100.0%	2,759	2,711	98.3%
RoRo passenger ship	6,804	5,712	84.0%	374	180	48.1%	7,178	5,892	82.1%
Offshore supply	446	154	34.5%	149		0.0%	595	154	25.9%
Special purpose ship	704	526	74.7%	82	27	32.9%	786	553	70.4%
Tug									
Other special activities	8,595	6,286	73.1%	1,836	175	9.5%	10,431	6,461	61.9%
Other	3,535	3,400	96.2%	431	395	91.6%	3,966	3,795	95.7%
Total	424,659	393,978	93%	26,523	13,074	49%	451,182	407,052	90%

Graph 119 - Proportion of large inspected ships, by P&I status



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



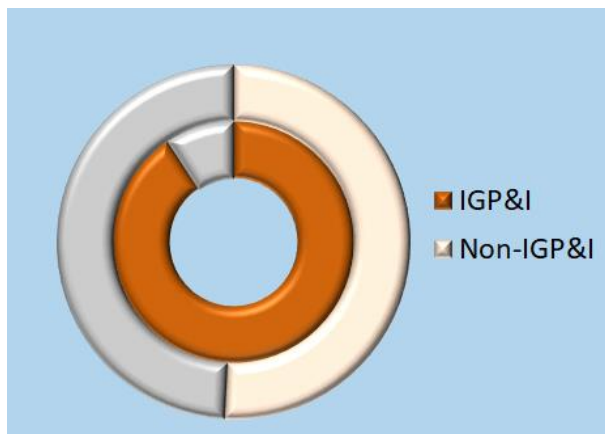
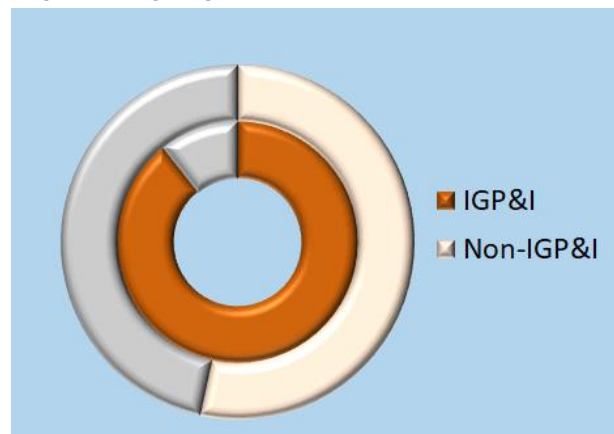
VERY LARGE SHIPS

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

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	24	24	100.0%				24	24	100.0%
Refrigerated Cargo									
Heavy load	3	2	66.7%	2	0	0.0%	5	2	40.0%
Container	1,418	1,395	98.4%	13	8	61.5%	1,431	1,403	98.0%
Ro-Ro cargo	221	217	98.2%	2	2	100.0%	223	219	98.2%
Bulk Carrier	1,692	1,647	97.3%	6	5	83.3%	1,698	1,652	97.3%
Oil tanker	1,810	1,558	86.1%	84	63	75.0%	1,894	1,621	85.6%
Chemical tanker									
Combination carrier	3	3	100.0%				3	3	100.0%
Gas carrier	469	392	83.6%	2	1	50.0%	471	393	83.4%
NLS Tanker	89	89	100.0%	1	1	100.0%	90	90	100.0%
High speed passenger craft									
Passenger Ship	179	173	96.6%				179	173	96.6%
RoRo passenger ship	5	5	100.0%				5	5	100.0%
Offshore supply	4	1	25.0%	1	1	100.0%	5	2	40.0%
Special purpose ship	4	2	50.0%				4	2	50.0%
Tug									
Other special activities	189	37	19.6%	66	9	13.6%	255	46	18.0%
Other	20	16	80.0%				20	16	80.0%
Total	6,130	5,561	91%	177	90	51%	6,307	5,651	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	1,850	1,850	100.0%				1,850	1,850	100.0%
Refrigerated Cargo									
Heavy load	237	176	74.3%	134	0	0.0%	371	176	47.4%
Container	154,038	150,274	97.6%	1,344	582	43.3%	155,382	150,856	97.1%
Ro-Ro cargo	14,837	14,585	98.3%	145	145	100.0%	14,982	14,730	98.3%
Bulk Carrier	171,946	165,333	96.2%	520	456	87.7%	172,466	165,789	96.1%
Oil tanker	190,060	161,053	84.7%	10,879	8,334	76.6%	200,939	169,387	84.3%
Chemical tanker									
Combination carrier	205	205	100.0%				205	205	100.0%
Gas carrier	52,422	43,454	82.9%	240	118	49.2%	52,662	43,572	82.7%
NLS Tanker	10,738	10,738	100.0%	81	81	100.0%	10,819	10,819	100.0%
High speed passenger craft									
Passenger Ship	19,116	18,264	95.5%				19,116	18,264	95.5%
RoRo passenger ship	342	342	100.0%				342	342	100.0%
Offshore supply	293	89	30.4%	83	83	100.0%	376	172	45.7%
Special purpose ship	711	505	71.0%				711	505	71.0%
Tug									
Other special activities	22,870	4,788	20.9%	6,212	695	11.2%	29,082	5,483	18.9%
Other	1,321	1,033	78.2%				1,321	1,033	78.2%
Total	640,986	572,689	89%	19,638	10,494	53%	660,624	583,183	88%

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 2016 AND 2018 – BY FLAG

WHOLE FLEET GT≥500

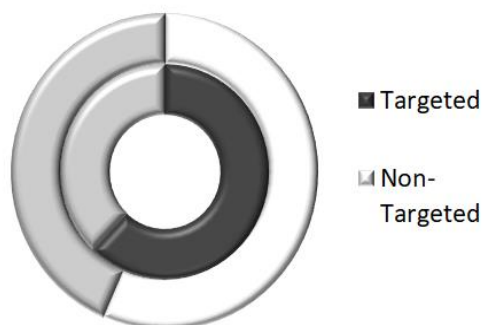
Table 132 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	6,143	3,483	56.7%	6,458	3,351	51.9%	12,601	6,834	54.2%
Refrigerated Cargo	270	180	66.7%	700	349	49.9%	970	529	54.5%
Heavy load	19	16	84.2%	94	76	80.9%	113	92	81.4%
Container	1,544	1,280	82.9%	3,513	3,149	89.6%	5,057	4,429	87.6%
Ro-Ro cargo	437	355	81.2%	807	622	77.1%	1,244	977	78.5%
Bulk Carrier	3,861	3,698	95.8%	6,679	5,784	86.6%	10,540	9,482	90.0%
Oil tanker	2,431	1,243	51.1%	5,384	2,694	50.0%	7,815	3,937	50.4%
Chemical tanker	1,318	970	73.6%	3,122	2,361	75.6%	4,440	3,331	75.0%
Combination carrier	10	9	90.0%	42	18	42.9%	52	27	51.9%
Gas carrier	507	378	74.6%	1,388	993	71.5%	1,895	1,371	72.3%
NLS Tanker	86	84	97.7%	244	239	98.0%	330	323	97.9%
High speed passenger craft	25	25	100.0%	24	24	100.0%	49	49	100.0%
Passenger Ship	407	158	38.8%	1,196	408	34.1%	1,603	566	35.3%
RoRo passenger ship	753	105	13.9%	1,457	284	19.5%	2,210	389	17.6%
Offshore supply	1,287	247	19.2%	3,532	695	19.7%	4,819	942	19.5%
Special purpose ship	116	61	52.6%	392	144	36.7%	508	205	40.4%
Tug	167	43	25.7%	907	142	15.7%	1,074	185	17.2%
Other special activities	951	319	33.5%	2,573	594	23.1%	3,524	913	25.9%
Other	294	153	52.0%	579	197	34.0%	873	350	40.1%
Total	20,626	12,807	62%	39,091	22,124	57%	59,717	34,931	58%

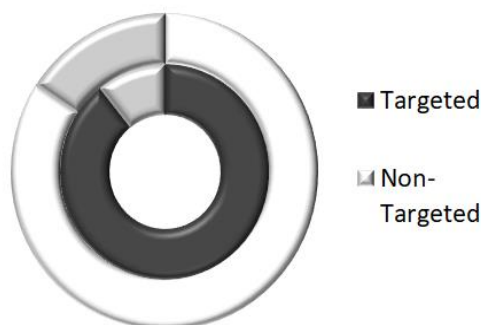
Table 133 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	27,360	21,778	79.6%	39,507	31,275	79.2%	66,867	53,053	79.3%
Refrigerated Cargo	1,276	1,011	79.2%	3,191	2,374	74.4%	4,467	3,385	75.8%
Heavy load	383	362	94.5%	2,389	1,992	83.4%	2,772	2,354	84.9%
Container	64,800	61,557	95.0%	172,109	162,655	94.5%	236,909	224,212	94.6%
Ro-Ro cargo	14,515	13,799	95.1%	28,811	27,138	94.2%	43,326	40,937	94.5%
Bulk Carrier	155,360	150,869	97.1%	288,359	260,263	90.3%	443,719	411,132	92.7%
Oil tanker	80,334	67,605	84.2%	197,229	160,057	81.2%	277,563	227,662	82.0%
Chemical tanker	14,742	12,473	84.6%	45,619	39,913	87.5%	60,361	52,386	86.8%
Combination carrier	128	123	96.1%	586	502	85.7%	714	625	87.5%
Gas carrier	17,383	13,923	80.1%	56,595	48,405	85.5%	73,978	62,328	84.3%
NLS Tanker	4,404	4,402	100.0%	11,710	11,703	99.9%	16,114	16,105	99.9%
High speed passenger craft	105	105	100.0%	111	111	100.0%	216	216	100.0%
Passenger Ship	7,337	6,536	89.1%	17,715	15,820	89.3%	25,052	22,356	89.2%
RoRo passenger ship	4,020	2,069	51.5%	12,595	6,854	54.4%	16,615	8,923	53.7%
Offshore supply	3,141	723	23.0%	10,526	3,048	29.0%	13,667	3,771	27.6%
Special purpose ship	1,298	1,089	83.9%	2,560	1,234	48.2%	3,858	2,323	60.2%
Tug	178	73	41.0%	986	272	27.6%	1,164	345	29.6%
Other special activities	11,093	5,787	52.2%	37,777	9,580	25.4%	48,870	15,367	31.4%
Other	3,617	2,931	81.0%	4,654	3,281	70.5%	8,271	6,212	75.1%
Total	411,474	367,215	89%	933,029	786,477	84%	1,344,503	1,153,692	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

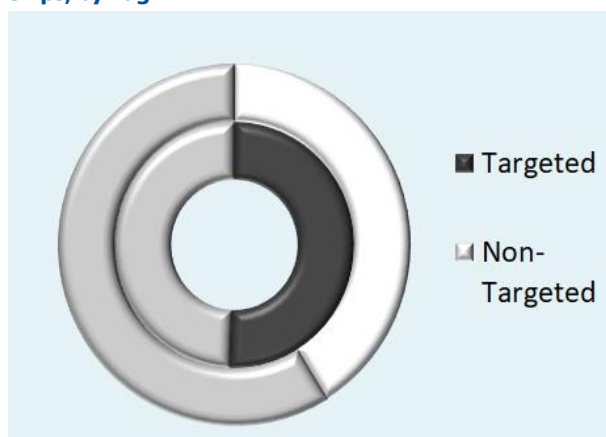
Table 134 - Total number of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	6,040	3,382	56.0%	6,143	3,051	49.7%	12,183	6,433	52.8%
Refrigerated Cargo	269	180	66.9%	697	347	49.8%	966	527	54.6%
Heavy load	14	11	78.6%	53	39	73.6%	67	50	74.6%
Container	802	557	69.5%	1,324	1,089	82.3%	2,126	1,646	77.4%
Ro-Ro cargo	198	121	61.1%	349	173	49.6%	547	294	53.7%
Bulk Carrier	1,200	1,128	94.0%	1,730	1,334	77.1%	2,930	2,462	84.0%
Oil tanker	1,459	392	26.9%	3,012	682	22.6%	4,471	1,074	24.0%
Chemical tanker	1,089	771	70.8%	2,221	1,557	70.1%	3,310	2,328	70.3%
Combination carrier	8	7	87.5%	31	7	22.6%	39	14	35.9%
Gas carrier	310	215	69.4%	781	457	58.5%	1,091	672	61.6%
NLS Tanker	31	29	93.5%	101	96	95.0%	132	125	94.7%
High speed passenger craft	25	25	100.0%	24	24	100.0%	49	49	100.0%
Passenger Ship	337	90	26.7%	1,019	236	23.2%	1,356	326	24.0%
RoRo passenger ship	708	65	9.2%	1,289	150	11.6%	1,997	215	10.8%
Offshore supply	1,284	247	19.2%	3,513	689	19.6%	4,797	936	19.5%
Special purpose ship	103	50	48.5%	380	138	36.3%	483	188	38.9%
Tug	167	43	25.7%	907	142	15.7%	1,074	185	17.2%
Other special activities	801	217	27.1%	2,233	499	22.3%	3,034	716	23.6%
Other	236	100	42.4%	521	143	27.4%	757	243	32.1%
Total	15,081	7,630	51%	26,328	10,853	41%	41,409	18,483	45%

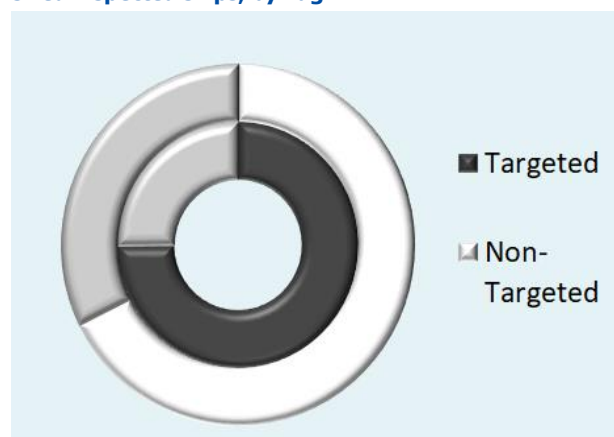
Table 135 - Gross tonnage (in 1000 GT) of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	23,728	18,210	76.7%	27,904	20,188	72.3%	51,632	38,398	74.4%
Refrigerated Cargo	1,227	1,011	82.4%	3,093	2,308	74.6%	4,320	3,319	76.8%
Heavy load	175	154	88.0%	644	500	77.6%	819	654	79.9%
Container	8,575	6,793	79.2%	16,067	14,123	87.9%	24,642	20,916	84.9%
Ro-Ro cargo	1,632	1,171	71.8%	3,702	2,378	64.2%	5,334	3,549	66.5%
Bulk Carrier	20,500	19,492	95.1%	31,510	25,700	81.6%	52,010	45,192	86.9%
Oil tanker	6,024	2,820	46.8%	11,612	4,896	42.2%	17,636	7,716	43.8%
Chemical tanker	7,970	6,611	82.9%	19,074	16,247	85.2%	27,044	22,858	84.5%
Combination carrier	70	65	92.9%	132	48	36.4%	202	113	55.9%
Gas carrier	2,076	1,524	73.4%	4,762	3,913	82.2%	6,838	5,437	79.5%
NLS Tanker	221	219	99.1%	946	939	99.3%	1,167	1,158	99.2%
High speed passenger craft	105	105	100.0%	111	111	100.0%	216	216	100.0%
Passenger Ship	849	332	39.1%	2,327	1,049	45.1%	3,176	1,381	43.5%
RoRo passenger ship	2,577	812	31.5%	6,518	1,877	28.8%	9,095	2,689	29.6%
Offshore supply	3,045	723	23.7%	9,653	2,722	28.2%	12,698	3,445	27.1%
Special purpose ship	415	303	73.0%	1,945	962	49.5%	2,360	1,265	53.6%
Tug	178	73	41.0%	986	272	27.6%	1,164	345	29.6%
Other special activities	2,423	1,001	41.3%	6,934	2,422	34.9%	9,357	3,423	36.6%
Other	849	476	56.1%	2,136	907	42.5%	2,985	1,383	46.3%
Total	82,639	61,895	75%	150,056	101,562	68%	232,695	163,457	70%

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

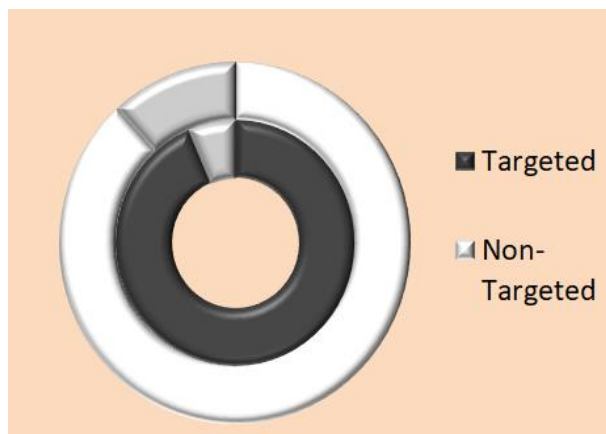
Table 136 - Total number of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	97	95	97.9%	297	282	94.9%	394	377	95.7%
Refrigerated Cargo	1		0.0%	3	2	66.7%	4	2	50.0%
Heavy load	5	5	100.0%	36	35	97.2%	41	40	97.6%
Container	360	348	96.7%	1,140	1,032	90.5%	1,500	1,380	92.0%
Ro-Ro cargo	162	159	98.1%	312	305	97.8%	474	464	97.9%
Bulk Carrier	2,042	1,954	95.7%	3,870	3,414	88.2%	5,912	5,368	90.8%
Oil tanker	434	379	87.3%	1,016	863	84.9%	1,450	1,242	85.7%
Chemical tanker	229	199	86.9%	901	804	89.2%	1,130	1,003	88.8%
Combination carrier	2	2	100.0%	8	8	100.0%	10	10	100.0%
Gas carrier	94	80	85.1%	239	226	94.6%	333	306	91.9%
NLS Tanker	33	33	100.0%	75	75	100.0%	108	108	100.0%
High speed passenger craft									
Passenger Ship	13	13	100.0%	55	54	98.2%	68	67	98.5%
RoRo passenger ship	45	40	88.9%	163	129	79.1%	208	169	81.3%
Offshore supply	3		0.0%	14	4	28.6%	17	4	23.5%
Special purpose ship	12	10	83.3%	9	5	55.6%	21	15	71.4%
Tug									
Other special activities	113	96	85.0%	122	55	45.1%	235	151	64.3%
Other	45	44	97.8%	51	47	92.2%	96	91	94.8%
Total	3,690	3,457	94%	8,311	7,340	88%	12,001	10,797	90%

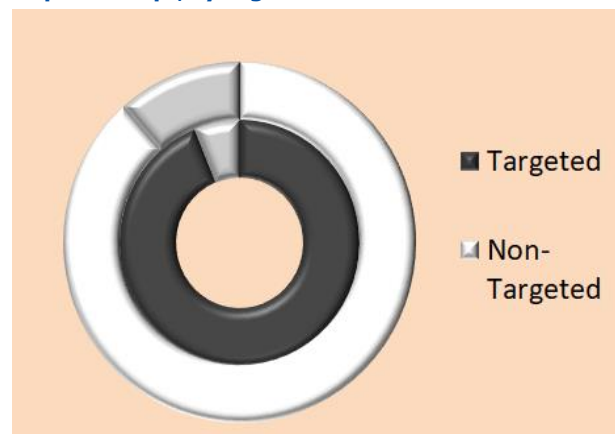
Table 137 - Gross tonnage (in 1000 GT) of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,187	3,123	98.0%	10,197	9,681	94.9%	13,384	12,804	95.7%
Refrigerated Cargo	49		0.0%	98	66	67.3%	147	66	44.9%
Heavy load	208	208	100.0%	1,374	1,316	95.8%	1,582	1,524	96.3%
Container	13,437	13,062	97.2%	43,447	39,379	90.6%	56,884	52,441	92.2%
Ro-Ro cargo	7,831	7,697	98.3%	15,180	14,962	98.6%	23,011	22,659	98.5%
Bulk Carrier	76,096	72,934	95.8%	143,146	127,217	88.9%	219,242	200,151	91.3%
Oil tanker	17,957	15,822	88.1%	41,031	34,737	84.7%	58,988	50,559	85.7%
Chemical tanker	6,772	5,862	86.6%	26,545	23,666	89.2%	33,317	29,528	88.6%
Combination carrier	58	58	100.0%	249	249	100.0%	307	307	100.0%
Gas carrier	4,149	3,519	84.8%	10,328	9,800	94.9%	14,477	13,319	92.0%
NLS Tanker	1,360	1,360	100.0%	2,768	2,768	100.0%	4,128	4,128	100.0%
High speed passenger craft									
Passenger Ship	495	495	100.0%	2,265	2,217	97.9%	2,760	2,712	98.3%
RoRo passenger ship	1,443	1,257	87.1%	5,735	4,635	80.8%	7,178	5,892	82.1%
Offshore supply	96		0.0%	498	154	30.9%	594	154	25.9%
Special purpose ship	480	383	79.8%	307	170	55.4%	787	553	70.3%
Tug									
Other special activities	4,880	4,087	83.8%	5,551	2,374	42.8%	10,431	6,461	61.9%
Other	1,893	1,868	98.7%	2,072	1,928	93.1%	3,965	3,796	95.7%
Total	140,391	131,735	94%	310,791	275,319	89%	451,182	407,054	90%

Graph 127 - Proportion of large inspected ships, by flag



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



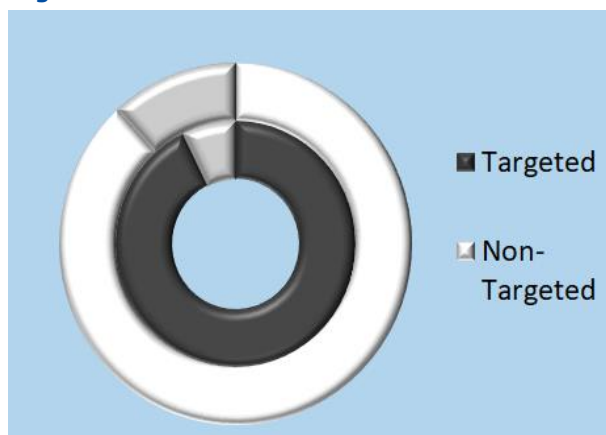
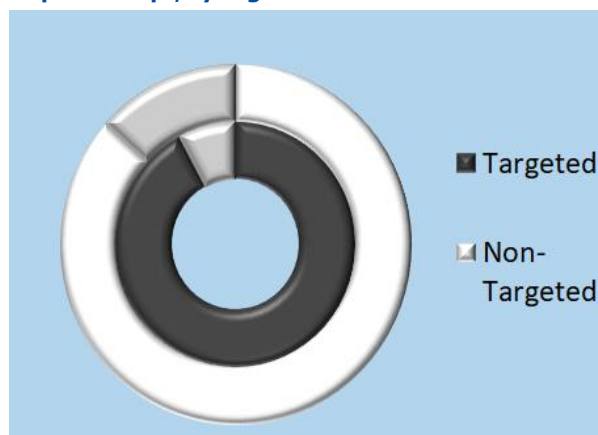
VERY LARGE SHIPS

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

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	6	6	100.0%	18	18	100.0%	24	24	100.0%
Refrigerated Cargo									
Heavy load				5	2	40.0%	5	2	40.0%
Container	382	375	98.2%	1,049	1,028	98.0%	1,431	1,403	98.0%
Ro-Ro cargo	77	75	97.4%	146	144	98.6%	223	219	98.2%
Bulk Carrier	619	616	99.5%	1,079	1,036	96.0%	1,698	1,652	97.3%
Oil tanker	538	472	87.7%	1,356	1,149	84.7%	1,894	1,621	85.6%
Chemical tanker									
Combination carrier				3	3	100.0%	3	3	100.0%
Gas carrier	103	83	80.6%	368	310	84.2%	471	393	83.4%
NLS Tanker	22	22	100.0%	68	68	100.0%	90	90	100.0%
High speed passenger craft									
Passenger Ship	57	55	96.5%	122	118	96.7%	179	173	96.6%
RoRo passenger ship				5	5	100.0%	5	5	100.0%
Offshore supply				5	2	40.0%	5	2	40.0%
Special purpose ship	1	1	100.0%	3	1	33.3%	4	2	50.0%
Tug									
Other special activities	37	6	16.2%	218	40	18.3%	255	46	18.0%
Other	13	9	69.2%	7	7	100.0%	20	16	80.0%
Total	1,855	1,720	93%	4,452	3,931	88%	6,307	5,651	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	445	445	100.0%	1,406	1,406	100.0%	1,851	1,851	100.0%
Refrigerated Cargo									
Heavy load				371	176	47.4%	371	176	47.4%
Container	42,788	41,702	97.5%	112,595	109,153	96.9%	155,383	150,855	97.1%
Ro-Ro cargo	5,052	4,931	97.6%	9,929	9,798	98.7%	14,981	14,729	98.3%
Bulk Carrier	58,764	58,443	99.5%	113,703	107,346	94.4%	172,467	165,789	96.1%
Oil tanker	56,353	48,963	86.9%	144,586	120,424	83.3%	200,939	169,387	84.3%
Chemical tanker									
Combination carrier				205	205	100.0%	205	205	100.0%
Gas carrier	11,158	8,880	79.6%	41,505	34,692	83.6%	52,663	43,572	82.7%
NLS Tanker	2,823	2,823	100.0%	7,996	7,996	100.0%	10,819	10,819	100.0%
High speed passenger craft									
Passenger Ship	5,993	5,709	95.3%	13,123	12,554	95.7%	19,116	18,263	95.5%
RoRo passenger ship				342	342	100.0%	342	342	100.0%
Offshore supply				375	172	45.9%	375	172	45.9%
Special purpose ship	403	403	100.0%	308	102	33.1%	711	505	71.0%
Tug									
Other special activities	3,790	699	18.4%	25,292	4,784	18.9%	29,082	5,483	18.9%
Other	875	587	67.1%	446	446	100.0%	1,321	1,033	78.2%
Total	188,444	173,585	92%	472,182	409,596	87%	660,626	583,181	88%

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

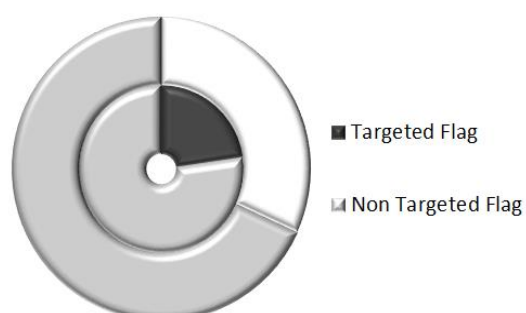
5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

WHOLE FLEET GT≥500 TOTAL NUMBER OF INSPECTIONS WITH STATUTORY CERTIFICATES FOR SHIPS GT≥500, BY TYPE OF ISSUER

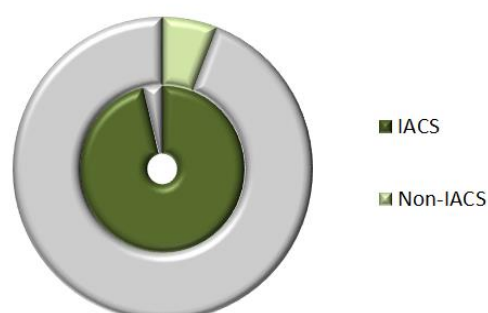
Table 140 - Total number of inspections of ships GT≥500 with Statutory Certificates, by type of issuer.

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	37,921	8,829	7,117	34,395	4,940
Refrigerated Cargo	1,103	230	510	1,088	37
Heavy load	277	66	169	272	11
Container	12,222	2,870	4,427	12,171	209
Ro-Ro cargo	2,889	835	1,427	2,779	177
Bulk Carrier	30,746	8,422	11,019	30,570	685
Oil tanker	7,284	1,808	3,611	7,215	183
Chemical tanker	9,295	2,076	4,531	9,264	152
Combination carrier	21	4	8	20	1
Gas carrier	2,461	483	1,187	2,436	54
NLS Tanker	7,122	58	136	7,109	13
High speed passenger craft	169	98	71	160	4
Passenger Ship	2,913	295	930	2,883	51
RoRo passenger ship	1,614	279	1,182	1,582	37
Offshore supply	1,531	329	1,014	1,479	105
Special purpose ship	335	105	177	327	19
Tug	204	42	131	199	8
Other special activities	2,152	382	666	2,021	216
Other	2,713	698	858	2,402	362
Total	122,972	27,909	39,171	118,372	7,264

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



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

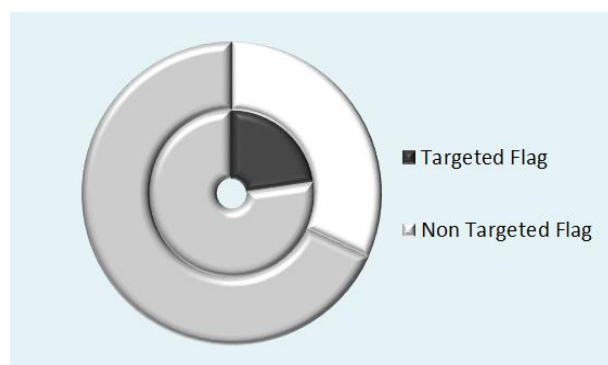


MEDIUM SIZED SHIPS

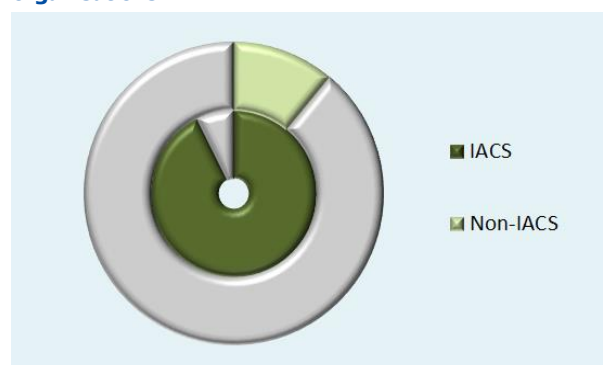
Table 141 - Total number of inspections with statutory certificates for medium sized ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	27,304	8,690	6,665	23,806	4,898
Refrigerated Cargo	1,100	230	507	1,085	37
Heavy load	215	58	126	210	11
Container	3,830	1,323	1,091	3,824	60
Ro-Ro cargo	884	303	405	778	145
Bulk Carrier	9,421	2,621	3,131	9,338	353
Oil tanker	1,562	544	754	1,500	128
Chemical tanker	5,643	1,659	2,724	5,616	127
Combination carrier	11	3	4	10	1
Gas carrier	1,387	338	605	1,368	42
NLS Tanker	1,802	43	100	1,789	13
High speed passenger craft	169	98	71	160	4
Passenger Ship	926	166	456	904	31
RoRo passenger ship	779	181	488	747	31
Offshore supply	1,522	329	1,012	1,470	105
Special purpose ship	313	89	172	305	19
Tug	204	42	131	199	8
Other special activities	1,504	206	582	1,377	206
Other	977	333	342	672	352
Total	59,553	17,256	19,366	55,158	6,571

Graph 133 - Total number of inspections with statutory certificates for medium sized ships, by flag issuer



Graph 134 - Total number of inspections with statutory certificates for medium sized ships, by recognised organisations

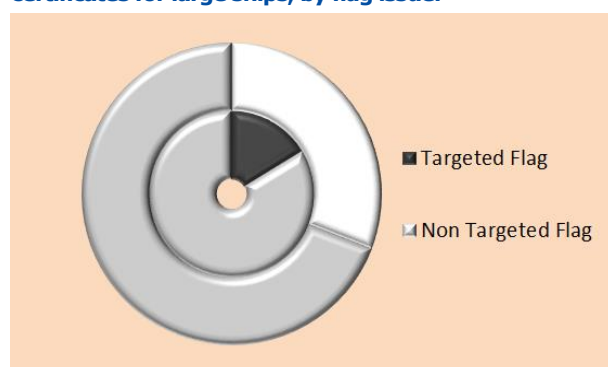


LARGE SHIPS

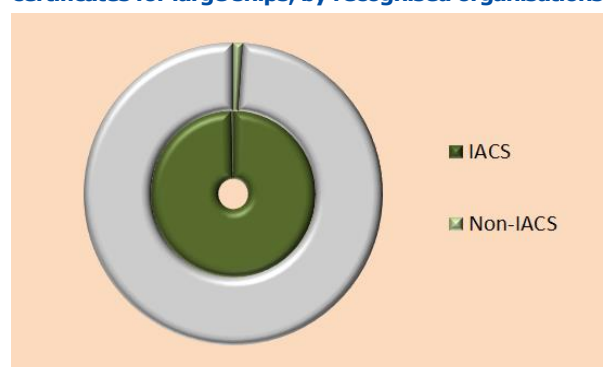
Table 142 - Total number of inspections with statutory certificates for large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	8,550	136	450	8,543	20
Refrigerated Cargo	3		3	3	
Heavy load	58	7	40	58	
Container	4,081	750	1,706	4,069	52
Ro-Ro cargo	1,422	374	702	1,421	25
Bulk Carrier	17,188	4,361	6,283	17,118	275
Oil tanker	2,784	627	1,442	2,781	37
Chemical tanker	3,651	417	1,807	3,647	25
Combination carrier	6	1	2	6	
Gas carrier	462	72	234	460	6
NLS Tanker	3,770	8	29	3,770	
High speed passenger craft					
Passenger Ship	586	45	183	581	8
RoRo passenger ship	808	98	668	808	6
Offshore supply	8		1	8	
Special purpose ship	19	14	4	19	
Tug					
Other special activities	545	174	77	541	10
Other	1,130	266	286	1,124	7
Total	45,071	7,350	13,917	44,957	471

Graph 135 - Total number of inspections with statutory certificates for large ships, by flag issuer



Graph 136 - Total number of inspections with statutory certificates for large ships, by recognised organisations

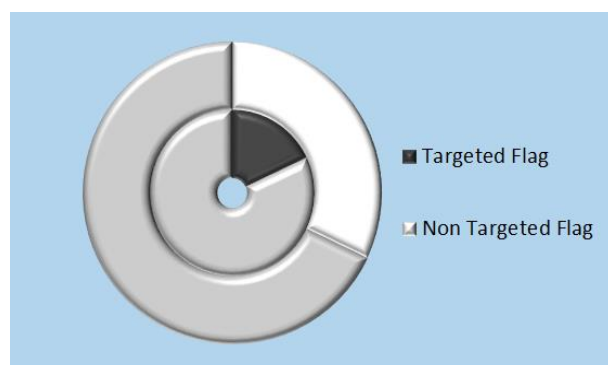


VERY LARGE SHIPS

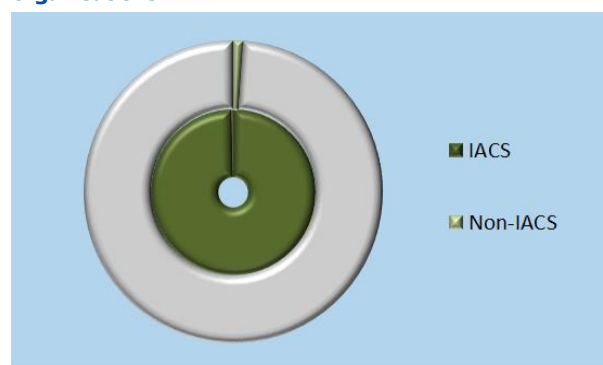
Table 143 - Total number of inspections with statutory certificates for very large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	2,067	3	2	2,046	22
Refrigerated Cargo					
Heavy load	4	1	3	4	
Container	4,311	797	1,630	4,278	97
Ro-Ro cargo	583	158	320	580	7
Bulk Carrier	4,137	1,440	1,605	4,114	57
Oil tanker	2,938	637	1,415	2,934	18
Chemical tanker	1			1	
Combination carrier	4		2	4	
Gas carrier	612	73	348	608	6
NLS Tanker	1,550	7	7	1,550	
High speed passenger craft					
Passenger Ship	1,401	84	291	1,398	12
RoRo passenger ship	27		26	27	
Offshore supply	1		1	1	
Special purpose ship	3	2	1	3	
Tug					
Other special activities	103	2	7	103	
Other	606	99	230	606	3
Total	18,348	3,303	5,888	18,257	222

Graph 137 - Total number of inspections with statutory certificates for very large ships, by flag issuer



Graph 138 - Total number of inspections 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	68,101	6,805	7,052	51,425	2,819
Load Lines	80,914	832	1,525	73,855	4,702
SOLAS/STCW	67,549	27,989	39,168	338	54
SOLAS - ISM	84,933	2,125	10,216	66,791	5,801
SOLAS - ISPS	73,931	8,606	9,925	51,139	4,261
SOLAS - IMDG	19,720	173	1,126	18,177	244
SOLAS - GC	148	1	13	134	
SOLAS - IGC	1,271	3	39	1,227	2
SOLAS - HSC	207	5	52	146	4
SOLAS - MODU	70		5	65	
SOLAS - SPS	558	7	149	402	
SOLAS - PSCC	2,949	81	1,106	1,708	54
SOLAS - CSS	81,596	1,463	3,576	71,720	4,837
SOLAS - CSR	33,493	14,111	19,121	193	68
SOLAS - INF	258	1	8	248	1
AFS	55,381	505	1,161	52,252	1,463
Ballast WM	12,787	1,205	971	10,079	532
CLC	11,564	3,701	7,712	141	10
BUNKER	43,192	18,201	24,532	421	38
MARPOL - IAPP	78,078	621	1,811	72,110	3,536
MARPOL - IOPP	80,974	691	2,430	73,212	4,641
MARPOL - ISPP	72,525	630	2,227	65,835	3,833
MARPOL - EIAPP	9,779	75	350	9,295	59
MARPOL - IBC	5,261	18	63	5,169	11
MARPOL - NLS	973	2	30	938	3
MARPOL - BCH	561	7	12	536	6
MARPOL - IEEC	52,253	584	1,725	48,607	1,337
MLC	59,990	1,627	9,429	46,142	2,792
Other	6,845	1,244	1,361	4,226	14
Overall	81,829	27,909	39,171	76,550	6,933

Chapter 6

6. Trade Associations and Industry Vetting Programmes

INTRODUCTION

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

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

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

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

Shipping Companies

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

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

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

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

The detention rate is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MOU, Indian Ocean MoU (IO MoU), USCG, Viña del Mar MoU, Mediterranean MoU and Caribbean MoU recorded in 2017.

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 69% of the total ships in the relevant categories (see annex V) and about 94% in tonnage. Intertanko covers slightly over a quarter (28%) of the total number of ships but it has almost half (49%) of the tonnage coverage of the relevant ship categories. Intercargo is shows the same trend, covering 9% of the total number of ships, but 22% of the tonnage coverage of the relevant ship categories. The CDI on the other hand has 33% of the total number of ships, and a similar percentage (35.2%) of the 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 1.6% compared with 3.6% 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 (35.2%) of the companies included in the data collected by Equasis operate just one ship. 68.7% companies operate five or fewer ships and account for 30.4% 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 of 1.54%, while one-ship, two-ship and three-ship companies had rates of 4.46%, 3.97% and 4.48% 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	1,092	7,265	1,409	1,595	1,353	1,071	3,854	9,931
% of Total	28.3%	73.2%	36.6%	16.1%	35.1%	10.8%		
Intercargo	417	15,030	1,210	5,153	570	1,136	2,197	21,319
% of Total	19.0%	70.5%	55.1%	24.2%	25.9%	5.3%		
InterManager	300	22,388	448	8,557	234	3,415	982	34,360
% of Total	30.5%	65.2%	45.6%	24.9%	23.8%	9.9%		
Green Award	8	12,097	26	9,096	235	3,892	269	25,085
% of Total	3.0%	48.2%	9.7%	36.3%	87.4%	15.5%		
CDI	1,663	3,045	467	1,259			2,130	4,304
% of Total	78.1%	70.7%	21.9%	29.3%				
OCIMF	4,283	4,074	2,857	147	2,374	50	9,514	4,271
% of Total	45.0%	95.4%	30.0%	3.4%	25.0%	1.2%		

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

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

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	13,978	37,043	51,963	58,001	141,766	118,837	207,707	213,881
% of Total	6.7%	17.3%	25.0%	27.1%	68.3%	55.6%		
Intercargo	8,801	97,517	45,390	190,285	58,963	114,246	113,154	402,048
% of Total	7.8%	24.3%	40.1%	47.3%	52.1%	28.4%		
InterManager	4,381	145,860	15,969	314,000	24,893	355,022	45,243	814,882
% of Total	9.7%	17.9%	35.3%	38.5%	55.0%	43.6%		
Green Award	168	107,401	1,274	336,276	23,962	409,644	25,404	853,321
% of Total	0.7%	12.6%	5.0%	39.4%	94.3%	48.0%		
CDI	16,185	20,938	16,463	39,266			32,648	60,204
% of Total	49.6%	34.8%	50.4%	65.2%				
OCIMF	37,090	13,931	104,650	5,314	254,746	5,856	396,486	25,101
% of Total	9.4%	55.5%	26.4%	21.2%	64.3%	23.3%		

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^(*)- 2018

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.6%	1.6%	1.2%	42	139	181	6,549	8,585	15,134
in % of total				23.2%	76.8%		43.3%	56.7%	
Intercargo	1.6%	3.6%	3.3%	96	1,353	1,449	5,994	37,780	43,774
in % of total				6.6%	93.4%		13.7%	86.3%	
Intermanager	1.0%	2.9%	2.8%	22	1,583	1,605	2,186	54,621	56,807
in % of total				1.4%	98.63%		3.8%	96.2%	
Green Award	0.5%	1.8%	1.8%	2	773	775	383	41,785	42,168
in % of total				0.3%	99.74%		0.9%	99.1%	
CDI	1.1%	1.3%	1.2%	45	70	115	4,180	5,405	9,585
in % of total				39.1%	60.9%		43.6%	56.4%	
OCIMF	1.0%	4.2%	1.2%	135	46	181	14,038	1,096	15,134
in % of total				74.6%	25.4%		92.8%	7.2%	

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^(*)- 2018

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	1.1%	2.0%	1.7%	21	97	118	1,860	4,897	6,757
in % of total				17.8%	82.2%		27.5%	72.5%	
Intercargo	1.5%	4.6%	4.4%	19	1,071	1,090	1,298	23,361	24,659
in % of total				1.7%	98.3%		5.3%	94.7%	
Intermanager	1.1%	4.0%	3.9%	7	1,183	1,190	666	29,686	30,352
in % of total				0.6%	99.41%		2.2%	97.8%	
Green Award	11.1%	2.3%	2.3%	2	356	358	18	15,391	15,409
in % of total				0.6%	99%		0.1%	99.9%	
CDI	1.1%	1.9%	1.5%	34	55	89	3,161	2,932	6,093
in % of total				38.2%	61.8%		51.9%	48.1%	
OCIMF	1.4%	3.9%	1.7%	80	38	118	5,771	986	6,757
in % of total				67.8%	32.2%		85.4%	14.6%	

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

LARGE SHIPS

Table 149 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*)- 2018

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.5%	1.1%	0.8%	13	28	41	2,884	2,552	5,436
in % of total				31.7%	68.3%		53.1%	46.9%	
Intercargo	1.4%	1.9%	1.8%	50	239	289	3,552	12,369	15,921
in % of total				17.3%	82.7%		22.3%	77.7%	
Intermanager	1.0%	1.6%	1.6%	11	313	324	1,148	19,670	20,818
in % of total				3.4%	97%		5.5%	94.5%	
Green Award	0.0%	1.6%	1.6%	0	325	325	58	20,571	20,629
in % of total				0.0%	100.00%		0.3%	99.7%	
CDI	1.1%	0.6%	0.7%	11	15	26	1,019	2,473	3,492
in % of total				42.3%	57.7%		29.2%	70.8%	
OCIMF	0.7%	6.0%	0.8%	36	5	41	5,352	84	5,436
in % of total				87.8%	12.2%		98.5%	1.5%	

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^(*)- 2018

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.4%	1.2%	0.7%	8	14	22	1,805	1,136	2,941
in % of total				36.4%	63.6%		61.4%	38.6%	
Intercargo	2.4%	2.1%	2.2%	27	43	70	1,144	2,050	3,194
in % of total				38.6%	61.4%		35.8%	64.2%	
Intermanager	1.1%	1.7%	1.6%	4	87	91	372	5,265	5,637
in % of total				4.4%	96%		6.6%	93.4%	
Green Award	0.0%	1.6%	1.5%	0	92	92	307	5,823	6,130
in % of total				0.0%	100%		5.0%	95.0%	
CDI	0.0%					0			0
in % of total									
OCIMF	0.7%	11.5%	0.7%	19	3	22	2,915	26	2,941
in % of total				86.4%	13.6%		99.1%	0.9%	

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

6.3. COMPANY PERFORMANCE

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

Company fleet size (by number of ships GT \geq 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	10,063	35.2%	4,705	9.9%	1,738	10.4%	36.9%
2	4,041	14.1%	3,170	6.7%	1,098	6.6%	34.6%
3	2,421	8.5%	2,355	5.0%	859	5.1%	36.5%
4	1,815	6.3%	2,249	4.7%	835	5.0%	37.1%
5	1,308	4.6%	1,943	4.1%	817	4.9%	42.0%
6-10	3,487	12.2%	7,383	15.6%	2,687	16.1%	36.4%
11-50	3,775	13.2%	15,899	33.5%	5,296	31.7%	33.3%
51-100	905	3.2%	5,225	11.0%	1,744	10.4%	33.4%
100+	769	2.7%	4,536	9.6%	1,637	9.8%	36.1%
Total	28,584	100%	47,465	100%	16,711	100%	35.2%

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

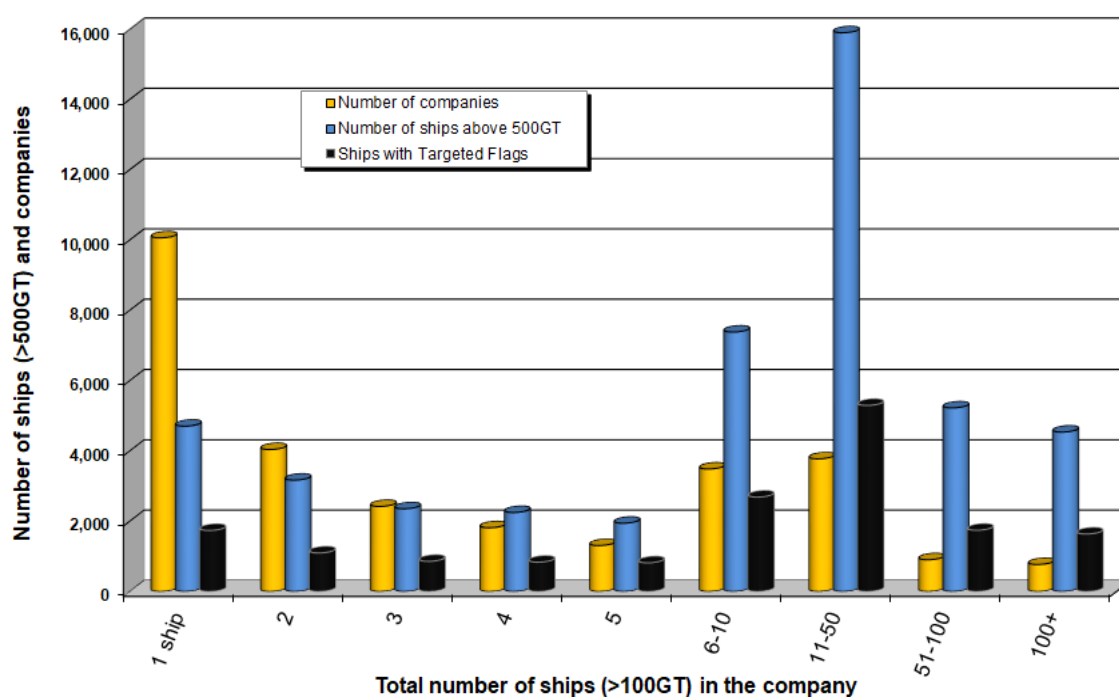
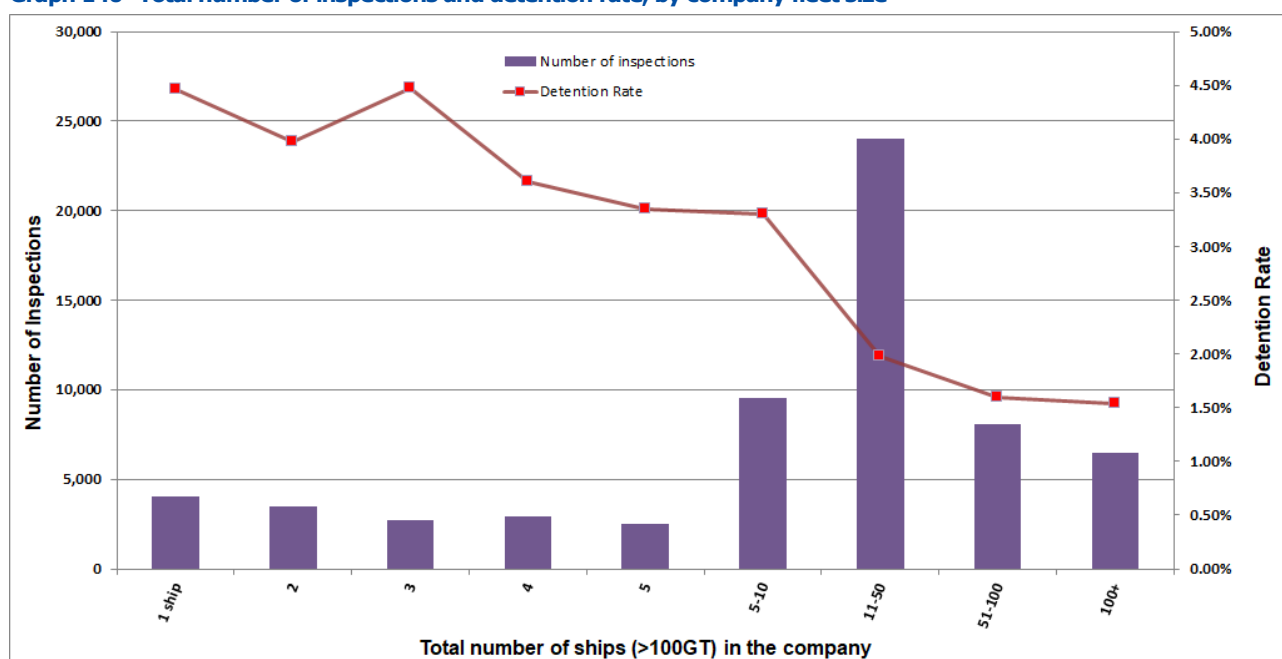
Graph 139 -Total number of companies and ships GT \geq 500, by company fleet size

Table 152 - Total number of inspections and detention rates^(*), by company fleet size - 2018

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	4,037	6.3%	180	10.9%	4.46%
2	3,449	5.4%	137	8.3%	3.97%
3	2,725	4.3%	122	7.4%	4.48%
4	2,912	4.6%	105	6.4%	3.61%
5	2,510	3.9%	84	5.1%	3.35%
5-10	9,527	15.0%	314	19.1%	3.30%
11-50	23,998	37.7%	475	28.9%	1.98%
51-100	8,046	12.6%	128	7.8%	1.59%
100+	6,488	10.2%	100	6.1%	1.54%
Total	63,692	100%	1,645	100%	2.58%

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
Bulk/Oil/Chemical Carrier
Cement Carrier
Limestone Carrier
Ore Carrier
Ore/Oil Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Urea Carrier
Wood Chips Carrier
Pearl Shells Carrier
Pulp 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
Beer Tanker
Coal/Oil Mixture 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

Fishing Ships

Fishing Vessel
Fish Carrier
Fish Factory Ship
Fishing Support Vessel
Live-Fish Carrier
Seal-Catcher
Whale-Catcher

Other (Out of the scope)

Anchor Hoy
Cable Repair Ship
Crewboat
Exhibition Vessel
Houseboat
Landing Craft
Launch (unspecified)
Mooring Vessel
Motor Hopper
Rocket Launch Support Ship
Sail Training Ship
Sailing Vessel
Trenching Support Vessel
Water Injection Dredger
Unknown
Vessel (function unknown)

Annex II. Targeted Flag States 2018

The list of targeted flags 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

Albania [1]
Antigua and Barbuda [3]

B

Barbados [2, 3]
Belize [1]

C

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

F

Fiji [2]

G

Greece [3]

I

India [3]
Indonesia [2]

K

Korea, Democratic Republic [2]

M

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

N

Niue [2]

P

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

S

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

T

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

U

Ukraine [1]

V

Vanuatu [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
Bulk/Oil/Chemical Carrier

Oil tanker

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

Houseboat
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
Well-Stimulation Vessel

Special purpose ship

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

Tug Bulk Dry Storage Ship

Pusher Tug
Tug

Other special activities

Anchor Hoy
Bulk Dry Storage Ship
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
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
Water Injection Dredger
Wood Chips Carrier
Work/Repair Vessel

Other

Crewboat
Beer Tanker
Dredger
Exhibition Vessel
Fishing Support Vessel
Fishing Vessel
Live-Fish Carrier
Sail Training Ship
Livestock Carrier
Vehicles Carrier
Pipe Burying Vessel
Rocket Launch Support Ship
Trenching Support Vessel
Unknown

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)