



The 2019 World Fleet Report
Statistics from Equasis

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20 years Promoting Ship Safety and Environmental Protection

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Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2019, 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 Clubs;
4. Port State Control regimes; and
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.

This report also 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 (5,482) 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 ≥ 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 may not be covered by the International Conventions or the port State control regimes, but for which some flag States require the same standards.

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

Regulatory and commercial tonnage thresholds are not common to all ship types. As a compromise, categories medium, large and very-large (i.e.: 2, 3 and 4) have been chosen 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) [Blacklist], the Tokyo MoU [Blacklist] and the US Coast Guard (USCG) [safety targeting]. Indian Ocean MoU (IOMoU), Viña del Mar MoU, Mediterranean MoU (Med MoU), Black Sea MoU, Abuja MoU and Caribbean 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 2019 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guard, can be found in Annex II.

As indicated in last year World Fleet report Equasis signed a data sharing agreement in 2019 with the Abuja MoU. Their information is now included in this annual report.

Problems associated with the format in which Riyadh MoU reports inspections continued in 2020 and Equasis is in contact with Riyadh to work a Riyadh MoU data conversion program so that its inspections can be included in this report.

SOURCE OF INFORMATION

Equasis is fed by over 60 data providers which can be divided into six categories:

1. Core ship and company data;
2. PSC regimes;
3. Classification Societies;
4. P&I clubs and Insurance companies;
5. Intergovernmental Organisations, federations and National/EU Agencies; and

6. Private companies and Associations from the Maritime Industry.

Almost all these sources are used in this document to a greater or lesser extent.

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 38% by number, although around only 1% by tonnage.

Fishing vessels (21.3%), tugs (16%), general cargo ships (13.6%), oil and chemical tankers (11.9%) and bulk carriers (10.4%) are the five most common ship types by number, representing more than two thirds of the Equasis fleet. Most of these are small and medium sized ships.

Table 1 and 2 shows that the large and very large categories, bulk carriers (43.2%), oil and chemical tankers (26.6%) and container ships (17%) represent approximately 84% of the fleet in number in these ship size categories. These figures show no significant changes from 2018 World Fleet report.

In terms of tonnage, the large and very large size categories represent 82% of the Equasis fleet (Graph 2), with oil and chemical tankers, bulk carriers, and container ships jointly dominating both categories at 84.4% (large) and 81.3% (very large).

Table 3 shows an almost even distribution of the Equasis fleet, by number, of ships under and over 15 years of age. However, there is a large dominance of older ships in the small (71.7%) size category. There is a more even spread between ships over (56.0%) and under (44.0%) 15 years of age in the medium size category. The trend is reversed in the large and very large ship size categories, where 73.2% (large) and

79.1% (very large) are less than 15 years old.

Graph 4 shows that the most modern fleets are made up of the biggest ships in tonnage. Looking back at the statistics of the previous years, it is clear that the younger ships are bigger than their predecessors. This trend has been observed in previous years with the biggest ships being recent additions to the fleet.

Graph 13 shows that almost a third (29%) of the total number of ships in Equasis are associated with a targeted flag State. Graphs 17 and 19 show that this proportion is higher for large ships (39%) and very large ships (42%).

Tables 13 and 14 both show that for the targeted flag States, bulk carriers are the most common ship category in number (27.4%) and tonnage (39.1%). This is expected considering that oil and chemical tankers and bulk carriers are the most common ship types with respect to the total number of ships and tonnage (18.9% and 34.2%, respectively). Even though, in number of ships general cargo, bulk carriers and oil and chemical tankers are similar (18.6%, 18.8%, 18.9%, respectively), bulk carriers are clearly more common in targeted flags 27.4%, whereas general cargo and oil and chemical tankers are 21.9% and 19.3%, respectively. Oil and chemical tankers (18.7%), container ships (7.2%) and offshore vessels (9.9%) have a larger proportion of the total number of ships originating from non-targeted flag States when compared to targeted flag States

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 suggest that the majority of maritime traffic occurs in East Asia (15.7%), South East Asia (12.6%) and the Mediterranean Sea (9.9%) geographical areas with East and South East Asia accounting for 28.3% of the total sightings reported to Equasis.

In respect to ship size, small sized ships were predominately sighted in the East Asia (15.0%) and the Mediterranean Sea (13.4%) while very large ships in Asia (27.7%).

2.1. WHOLE FLEET

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	4,127	7.6%	11,638	25.9%	248	2.0%			16,013	13.6%
Specialized Cargo Ships	7	0.0%	229	0.5%	64	0.5%	6	0.1%	306	0.3%
Container Ships	19	0.0%	2,241	5.0%	1,555	12.5%	1,463	22.5%	5,278	4.5%
Ro-Ro Cargo Ships	33	0.1%	623	1.4%	564	4.5%	249	3.8%	1,469	1.2%
Bulk Carriers	299	0.6%	3,807	8.5%	6,410	51.6%	1,778	27.3%	12,294	10.4%
Oil and Chemical Tankers	1,902	3.5%	7,322	16.3%	2,726	21.9%	2,025	31.1%	13,975	11.9%
Gas Tankers	35	0.1%	1,116	2.5%	389	3.1%	508	7.8%	2,048	1.7%
Other Tankers	401	0.7%	699	1.6%	14	0.1%			1,114	0.9%
Passenger Ships	4,138	7.7%	2,873	6.4%	287	2.3%	194	3.0%	7,492	6.4%
Offshore Vessels	2,715	5.0%	5,211	11.6%	140	1.1%	287	4.4%	8,353	7.1%
Service Ships	2,779	5.1%	2,769	6.2%	26	0.2%	6	0.1%	5,580	4.7%
Tugs	17,949	33.2%	932	2.1%					18,881	16.0%
Fishing Vessels	19,605	36.3%	5,482	12.2%	2	0.0%			25,089	21.3%
Total	54,009	100%	44,942	100%	12,425	100%	6,516	100%	117,892	100%

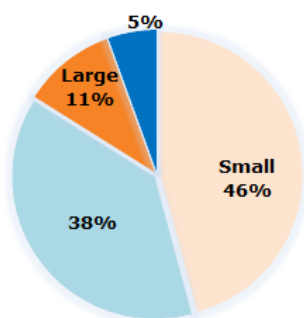
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

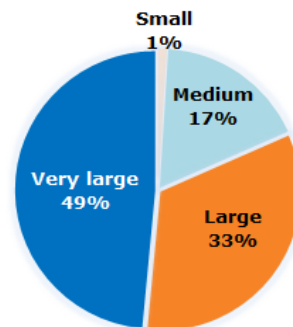
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	1,430	10.6%	49,910	20.8%	8,250	1.8%			59,590	4.2%
Specialized Cargo Ships	2	0.0%	1,767	0.7%	2,461	0.5%	438	0.1%	4,668	0.3%
Container Ships	8	0.1%	26,299	11.0%	58,643	12.5%	162,104	23.5%	247,054	17.5%
Ro-Ro Cargo Ships	11	0.1%	6,239	2.6%	26,852	5.7%	16,725	2.4%	49,827	3.5%
Bulk Carriers	120	0.9%	57,090	23.8%	239,371	51.2%	181,931	26.4%	478,512	33.9%
Oil and Chemical Tankers	616	4.6%	44,815	18.7%	96,964	20.7%	216,514	31.4%	358,909	25.4%
Gas Tankers	13	0.1%	7,192	3.0%	16,888	3.6%	57,211	8.3%	81,304	5.8%
Other Tankers	120	0.9%	2,041	0.9%	411	0.1%			2,572	0.2%
Passenger Ships	1,068	7.9%	11,685	4.9%	10,341	2.2%	20,707	3.0%	43,801	3.1%
Offshore Vessels	764	5.7%	15,446	6.4%	6,409	1.4%	33,759	4.9%	56,378	4.0%
Service Ships	682	5.1%	8,850	3.7%	967	0.2%	891	0.1%	11,390	0.8%
Tugs	4,338	32.3%	857	0.4%					5,195	0.4%
Fishing Vessels	4,271	31.8%	7,420	3.1%	81	0.0%			11,772	0.8%
Total	13,443	100%	239,611	100%	467,638	100%	690,280	100%	1,410,972	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	3,588	6.6%	4,279	9.5%	2,114	17.0%	1,492	22.9%	11,473	9.7%
5-14 years old	11,704	21.7%	15,503	34.5%	6,982	56.2%	3,659	56.2%	37,848	32.1%
15-24 years old	8,834	16.4%	8,083	18.0%	2,794	22.5%	1,191	18.3%	20,902	17.7%
+25 years old	29,883	55.3%	17,077	38.0%	535	4.3%	174	2.7%	47,669	40.4%
Total	54,009	100%	44,942	100%	12,425	100%	6,516	100%	117,892	100%

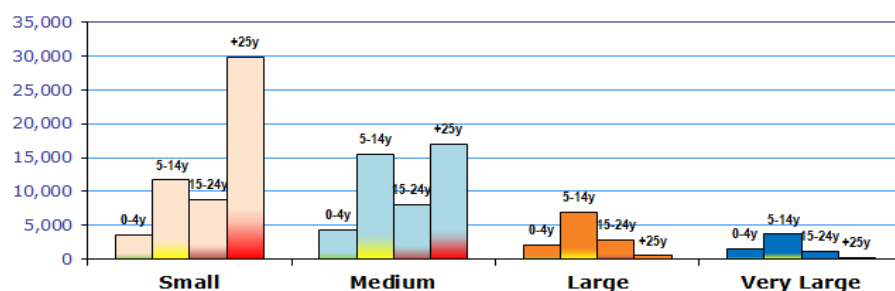
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

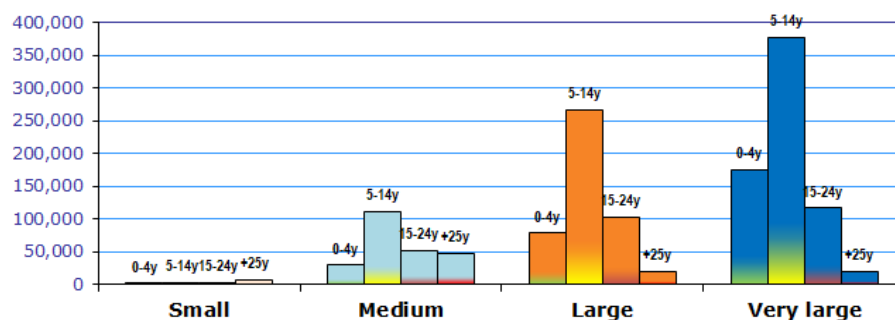
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	1,080	8.0%	29,409	12.3%	78,360	16.8%	175,582	25.4%	284,431	20.2%
5-14 years old	3,170	23.6%	111,428	46.5%	266,225	56.9%	377,963	54.8%	758,786	53.8%
15-24 years old	2,185	16.3%	51,877	21.7%	103,143	22.1%	116,664	16.9%	273,869	19.4%
+25 years old	7,006	52.1%	46,899	19.6%	19,909	4.3%	20,072	2.9%	93,886	6.7%
Total	13,441	100%	239,613	100%	467,637	100%	690,281	100%	1,410,972	100%

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

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



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



0-4 years old SHIPS

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

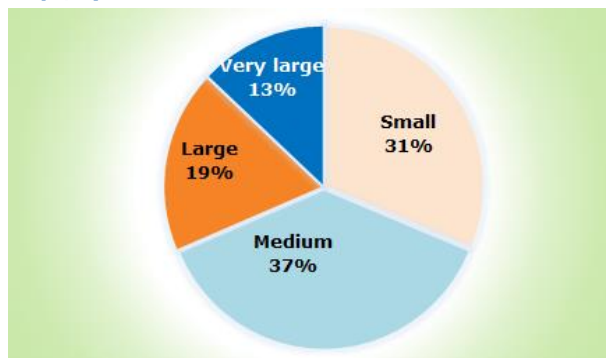
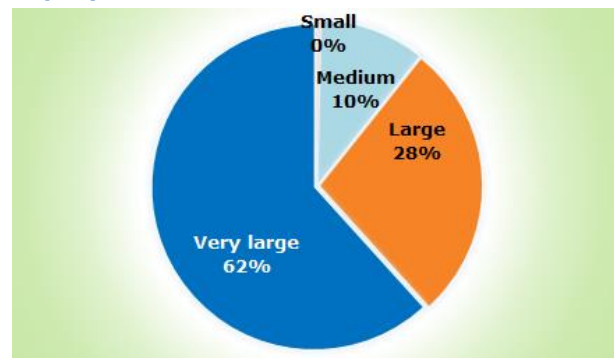
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	207	5.8%	611	14.3%	50	2.4%			868	7.6%
Specialized Cargo Ships			22	0.5%	11	0.5%	3	0.2%	36	0.3%
Container Ships	2	0.1%	272	6.4%	140	6.6%	263	17.6%	677	5.9%
Ro-Ro Cargo Ships	2	0.1%	44	1.0%	24	1.1%	59	4.0%	129	1.1%
Bulk Carriers	25	0.7%	407	9.5%	1,242	58.8%	353	23.7%	2,027	17.7%
Oil and Chemical Tankers	134	3.7%	774	18.1%	451	21.3%	594	39.8%	1,953	17.0%
Gas Tankers	1	0.0%	128	3.0%	157	7.4%	152	10.2%	438	3.8%
Other Tankers	29	0.8%	104	2.4%	5	0.2%			138	1.2%
Passenger Ships	349	9.7%	360	8.4%	25	1.2%	33	2.2%	767	6.7%
Offshore Vessels	233	6.5%	497	11.6%	8	0.4%	35	2.3%	773	6.7%
Service Ships	257	7.2%	289	6.8%	1	0.0%			547	4.8%
Tugs	1,606	44.8%	91	2.1%					1,697	14.8%
Fishing Vessels	743	20.7%	680	15.9%					1,423	12.4%
Total	3,588	100%	4,279	100%	2,114	100%	1,492	100%	11,473	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	85	7.9%	3,638	12.4%	1,673	2.1%			5,396	1.9%
Specialized Cargo Ships			186	0.6%	435	0.6%	218	0.1%	839	0.3%
Container Ships	1	0.1%	3,575	12.2%	4,492	5.7%	40,712	23.2%	48,780	17.1%
Ro-Ro Cargo Ships	1	0.1%	524	1.8%	976	1.2%	4,249	2.4%	5,750	2.0%
Bulk Carriers	11	1.0%	7,104	24.2%	47,967	61.2%	40,875	23.3%	95,957	33.7%
Oil and Chemical Tankers	54	5.0%	6,175	21.0%	14,669	18.7%	61,751	35.2%	82,649	29.1%
Gas Tankers			1,260	4.3%	6,622	8.5%	18,268	10.4%	26,150	9.2%
Other Tankers	10	0.9%	491	1.7%	136	0.2%			637	0.2%
Passenger Ships	113	10.5%	1,519	5.2%	1,045	1.3%	4,867	2.8%	7,544	2.7%
Offshore Vessels	67	6.2%	2,492	8.5%	319	0.4%	4,643	2.6%	7,521	2.6%
Service Ships	63	5.8%	1,265	4.3%	27	0.0%			1,355	0.5%
Tugs	478	44.3%	80	0.3%					558	0.2%
Fishing Vessels	197	18.2%	1,101	3.7%					1,298	0.5%
Total	1,080	100%	29,410	100%	78,361	100%	175,583	100%	284,434	100%

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

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

5-14 YEARS OLD SHIPS

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

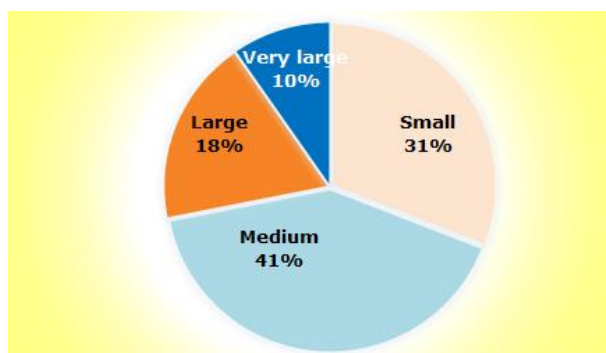
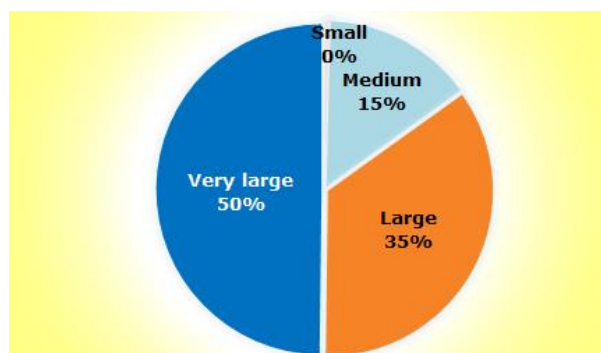
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	581	5.0%	3,459	22.3%	110	1.6%			4,150	11.0%
Specialized Cargo Ships			66	0.4%	12	0.2%	3	0.1%	81	0.2%
Container Ships	15	0.1%	947	6.1%	902	12.9%	916	25.0%	2,780	7.3%
Ro-Ro Cargo Ships	7	0.1%	101	0.7%	345	4.9%	148	4.0%	601	1.6%
Bulk Carriers	15	0.1%	2,135	13.8%	3,856	55.2%	1,213	33.2%	7,219	19.1%
Oil and Chemical Tankers	331	2.8%	2,942	19.0%	1,461	20.9%	982	26.8%	5,716	15.1%
Gas Tankers	2	0.0%	457	2.9%	152	2.2%	243	6.6%	854	2.3%
Other Tankers	77	0.7%	272	1.8%	5	0.1%			354	0.9%
Passenger Ships	578	4.9%	526	3.4%	62	0.9%	70	1.9%	1,236	3.3%
Offshore Vessels	888	7.6%	2,795	18.0%	64	0.9%	83	2.3%	3,830	10.1%
Service Ships	597	5.1%	695	4.5%	13	0.2%	1	0.0%	1,306	3.5%
Tugs	6,800	58.1%	286	1.8%					7,086	18.7%
Fishing Vessels	1,813	15.5%	822	5.3%					2,635	7.0%
Total	11,704	100%	15,503	100%	6,982	100%	3,659	100%	37,848	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	253	8.0%	21,042	18.9%	3,805	1.4%			25,100	3.3%
Specialized Cargo Ships			769	0.7%	484	0.2%	220	0.1%	1,473	0.2%
Container Ships	6	0.2%	11,552	10.4%	35,633	13.4%	99,632	26.4%	146,823	19.3%
Ro-Ro Cargo Ships	3	0.1%	1,287	1.2%	16,521	6.2%	9,735	2.6%	27,546	3.6%
Bulk Carriers	6	0.2%	35,717	32.1%	146,064	54.9%	120,152	31.8%	301,939	39.8%
Oil and Chemical Tankers	119	3.8%	21,213	19.0%	51,230	19.2%	104,614	27.7%	177,176	23.3%
Gas Tankers	1	0.0%	3,580	3.2%	6,816	2.6%	27,472	7.3%	37,869	5.0%
Other Tankers	26	0.8%	996	0.9%	153	0.1%			1,175	0.2%
Passenger Ships	162	5.1%	2,115	1.9%	2,183	0.8%	7,925	2.1%	12,385	1.6%
Offshore Vessels	266	8.4%	8,956	8.0%	2,841	1.1%	7,810	2.1%	19,873	2.6%
Service Ships	148	4.7%	2,770	2.5%	496	0.2%	403	0.1%	3,817	0.5%
Tugs	1,701	53.6%	283	0.3%					1,984	0.3%
Fishing Vessels	480	15.1%	1,148	1.0%					1,628	0.2%
Total	3,171	100%	111,428	100%	266,226	100%	377,963	100%	758,788	100%

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

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

15-24 YEARS OLD SHIPS

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

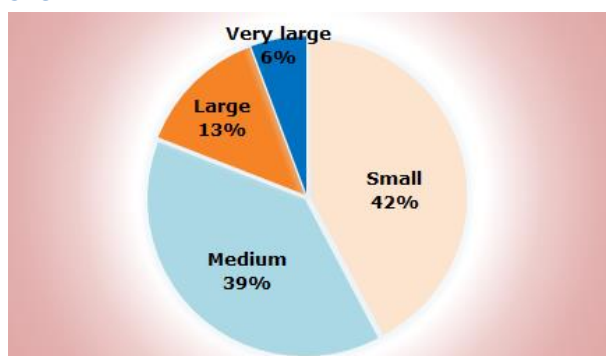
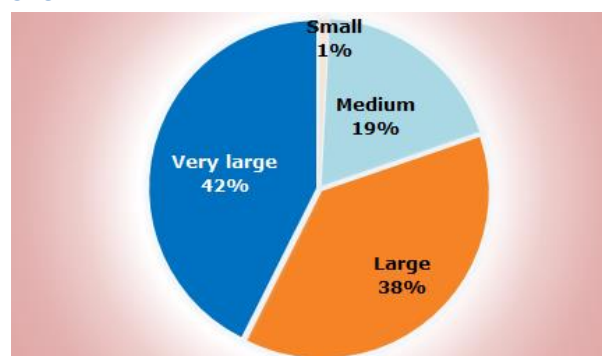
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	611	6.9%	2,172	26.9%	57	2.0%			2,840	13.6%
Specialized Cargo Ships			21	0.3%	10	0.4%			31	0.1%
Container Ships	1	0.0%	787	9.7%	459	16.4%	281	23.6%	1,528	7.3%
Ro-Ro Cargo Ships	5	0.1%	180	2.2%	168	6.0%	42	3.5%	395	1.9%
Bulk Carriers	41	0.5%	652	8.1%	1,131	40.5%	183	15.4%	2,007	9.6%
Oil and Chemical Tankers	237	2.7%	1,399	17.3%	783	28.0%	442	37.1%	2,861	13.7%
Gas Tankers	5	0.1%	251	3.1%	52	1.9%	90	7.6%	398	1.9%
Other Tankers	39	0.4%	58	0.7%	4	0.1%			101	0.5%
Passenger Ships	788	8.9%	587	7.3%	104	3.7%	76	6.4%	1,555	7.4%
Offshore Vessels	402	4.6%	693	8.6%	22	0.8%	75	6.3%	1,192	5.7%
Service Ships	434	4.9%	395	4.9%	4	0.1%	2	0.2%	835	4.0%
Tugs	2,981	33.7%	102	1.3%					3,083	14.7%
Fishing Vessels	3,290	37.2%	786	9.7%					4,076	19.5%
Total	8,834	100%	8,083	100%	2,794	100%	1,191	100%	20,902	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	236	10.8%	10,943	21.1%	1,833	1.8%			13,012	4.8%
Specialized Cargo Ships			207	0.4%	407	0.4%			614	0.2%
Container Ships			9,137	17.6%	16,544	16.0%	21,569	18.5%	47,250	17.3%
Ro-Ro Cargo Ships	2	0.1%	2,276	4.4%	8,110	7.9%	2,741	2.3%	13,129	4.8%
Bulk Carriers	16	0.7%	9,074	17.5%	39,210	38.0%	16,559	14.2%	64,859	23.7%
Oil and Chemical Tankers	75	3.4%	11,564	22.3%	29,829	28.9%	49,594	42.5%	91,062	33.2%
Gas Tankers	2	0.1%	1,503	2.9%	2,212	2.1%	9,212	7.9%	12,929	4.7%
Other Tankers	11	0.5%	183	0.4%	122	0.1%			316	0.1%
Passenger Ships	202	9.2%	2,600	5.0%	3,647	3.5%	6,848	5.9%	13,297	4.9%
Offshore Vessels	135	6.2%	1,773	3.4%	1,092	1.1%	9,936	8.5%	12,936	4.7%
Service Ships	96	4.4%	1,533	3.0%	137	0.1%	206	0.2%	1,972	0.7%
Tugs	716	32.8%	91	0.2%					807	0.3%
Fishing Vessels	694	31.8%	994	1.9%					1,688	0.6%
Total	2,185	100%	51,878	100%	103,143	100%	116,665	100%	273,871	100%

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

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

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

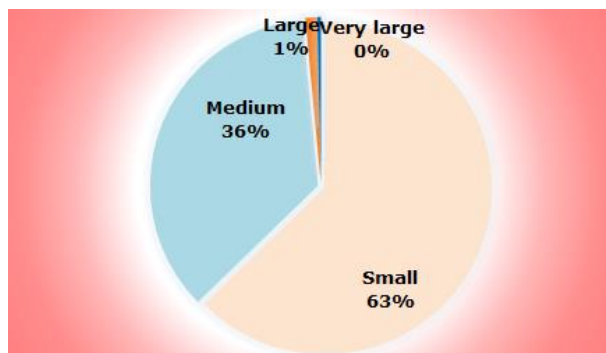
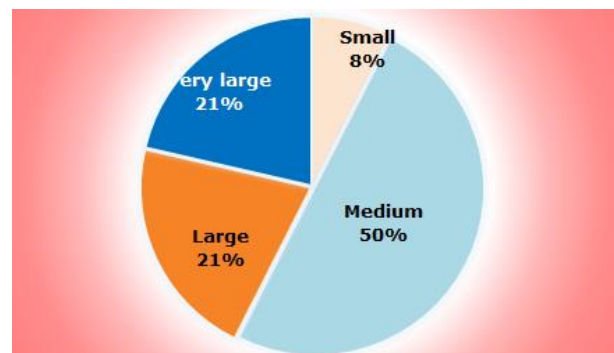
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	2,728	9.1%	5,396	31.6%	31	5.8%			8,155	17.1%
Specialized Cargo Ships	7	0.0%	120	0.7%	31	5.8%			158	0.3%
Container Ships	1	0.0%	235	1.4%	54	10.1%	3	1.7%	293	0.6%
Ro-Ro Cargo Ships	19	0.1%	298	1.7%	27	5.0%			344	0.7%
Bulk Carriers	218	0.7%	613	3.6%	181	33.8%	29	16.7%	1,041	2.2%
Oil and Chemical Tankers	1,200	4.0%	2,207	12.9%	31	5.8%	7	4.0%	3,445	7.2%
Gas Tankers	27	0.1%	280	1.6%	28	5.2%	23	13.2%	358	0.8%
Other Tankers	256	0.9%	265	1.6%					521	1.1%
Passenger Ships	2,423	8.1%	1,400	8.2%	96	17.9%	15	8.6%	3,934	8.3%
Offshore Vessels	1,192	4.0%	1,226	7.2%	46	8.6%	94	54.0%	2,558	5.4%
Service Ships	1,491	5.0%	1,390	8.1%	8	1.5%	3	1.7%	2,892	6.1%
Tugs	6,562	22.0%	453	2.7%					7,015	14.7%
Fishing Vessels	13,759	46.0%	3,194	18.7%	2	0.4%			16,955	35.6%
Total	29,883	100%	17,077	100%	535	100%	174	100%	47,669	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	855	12.2%	14,287	30.5%	939	4.7%			16,081	17.1%
Specialized Cargo Ships	2	0.0%	605	1.3%	1,134	5.7%			1,741	1.9%
Container Ships			2,035	4.3%	1,974	9.9%	192	1.0%	4,201	4.5%
Ro-Ro Cargo Ships	6	0.1%	2,152	4.6%	1,246	6.3%			3,404	3.6%
Bulk Carriers	87	1.2%	5,196	11.1%	6,130	30.8%	4,345	21.6%	15,758	16.8%
Oil and Chemical Tankers	368	5.3%	5,865	12.5%	1,236	6.2%	556	2.8%	8,025	8.5%
Gas Tankers	10	0.1%	850	1.8%	1,237	6.2%	2,259	11.3%	4,356	4.6%
Other Tankers	73	1.0%	371	0.8%					444	0.5%
Passenger Ships	592	8.4%	5,451	11.6%	3,467	17.4%	1,067	5.3%	10,577	11.3%
Offshore Vessels	296	4.2%	2,224	4.7%	2,158	10.8%	11,370	56.6%	16,048	17.1%
Service Ships	374	5.3%	3,283	7.0%	307	1.5%	282	1.4%	4,246	4.5%
Tugs	1,443	20.6%	403	0.9%					1,846	2.0%
Fishing Vessels	2,900	41.4%	4,176	8.9%	81	0.4%			7,157	7.6%
Total	7,006	100%	46,898	100%	19,909	100%	20,071	100%	93,884	100%

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

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

2.3. SHIPS BY FLAG

WHOLE FLEET GT≥500

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	4,120	21.9%	7,766	17.2%	11,886	18.6%
Specialized Cargo Ships	116	0.6%	183	0.4%	299	0.5%
Container Ships	2,015	10.7%	3,244	7.2%	5,259	8.2%
Ro-Ro Cargo Ships	484	2.6%	952	2.1%	1,436	2.2%
Bulk Carriers	5,147	27.4%	6,848	15.2%	11,995	18.8%
Oil and Chemical Tankers	3,632	19.3%	8,441	18.7%	12,073	18.9%
Gas Tankers	617	3.3%	1,396	3.1%	2,013	3.2%
Other Tankers	155	0.8%	558	1.2%	713	1.1%
Passenger Ships	568	3.0%	2,786	6.2%	3,354	5.3%
Offshore Vessels	1,186	6.3%	4,452	9.9%	5,638	8.8%
Service Ships	326	1.7%	2,475	5.5%	2,801	4.4%
Tugs	103	0.5%	829	1.8%	932	1.5%
Fishing Vessels	335	1.8%	5,149	11.4%	5,484	8.6%
Total	18,804	100%	45,079	100%	63,883	100%

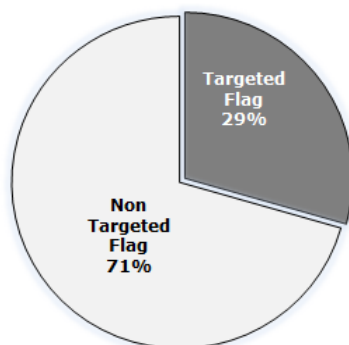
Source: Equasis

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

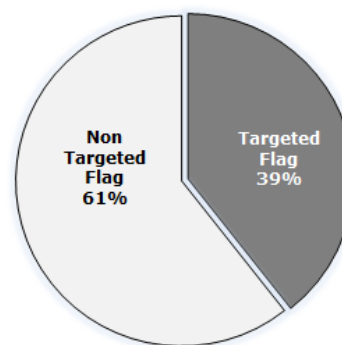
Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	21,652	3.9%	36,509	4.3%	58,161	4.2%
Specialized Cargo Ships	1,323	0.2%	3,343	0.4%	4,666	0.3%
Container Ships	103,825	18.9%	143,222	16.9%	247,047	17.7%
Ro-Ro Cargo Ships	18,634	3.4%	31,181	3.7%	49,815	3.6%
Bulk Carriers	215,192	39.1%	263,200	31.1%	478,392	34.2%
Oil and Chemical Tankers	141,904	25.8%	216,389	25.5%	358,293	25.6%
Gas Tankers	22,733	4.1%	58,558	6.9%	81,291	5.8%
Other Tankers	775	0.1%	1,676	0.2%	2,451	0.2%
Passenger Ships	9,563	1.7%	33,170	3.9%	42,733	3.1%
Offshore Vessels	11,876	2.2%	43,738	5.2%	55,614	4.0%
Service Ships	1,959	0.4%	8,750	1.0%	10,709	0.8%
Tugs	88	0.0%	770	0.1%	858	0.1%
Fishing Vessels	501	0.1%	7,000	0.8%	7,501	0.5%
Total	550,025	100%	847,506	100%	1,397,531	100%

Source: Equasis

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



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



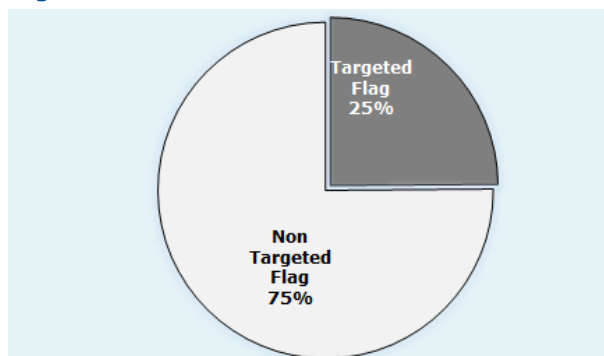
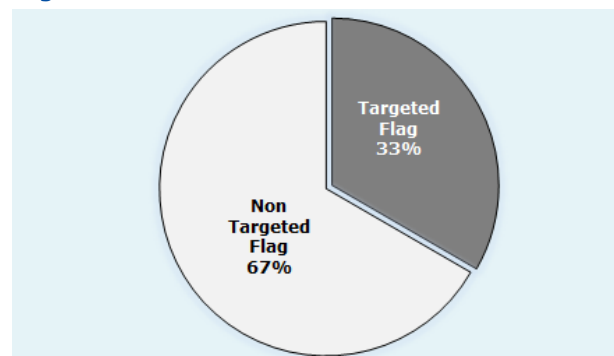
MEDIUM SIZED SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	4,067	36.4%	7,571	22.4%	11,638	29.5%
Specialized Cargo Ships	96	0.9%	133	0.4%	229	0.6%
Container Ships	741	6.6%	1,500	4.4%	2,241	5.7%
Ro-Ro Cargo Ships	169	1.5%	454	1.3%	623	1.6%
Bulk Carriers	1,549	13.9%	2,258	6.7%	3,807	9.6%
Oil and Chemical Tankers	1,774	15.9%	5,548	16.4%	7,322	18.6%
Gas Tankers	343	3.1%	773	2.3%	1,116	2.8%
Other Tankers	146	1.3%	553	1.6%	699	1.8%
Passenger Ships	462	4.1%	2,411	7.1%	2,873	7.3%
Offshore Vessels	1,081	9.7%	4,130	12.2%	5,211	13.2%
Service Ships	317	2.8%	2,452	7.3%	2,769	7.0%
Tugs	103	0.9%	829	2.5%	932	2.4%
Fishing Vessels	335	3.0%	5,147	15.2%		
Total	11,183	100%	33,759	100%	39,460	100%

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	19,959	25.0%	29,951	18.7%	49,910	21.5%
Specialized Cargo Ships	536	0.7%	1,231	0.8%	1,767	0.8%
Container Ships	9,784	12.3%	16,516	10.3%	26,300	11.3%
Ro-Ro Cargo Ships	1,514	1.9%	4,725	3.0%	6,239	2.7%
Bulk Carriers	25,509	31.9%	31,581	19.8%	57,090	24.6%
Oil and Chemical Tankers	12,867	16.1%	31,948	20.0%	44,815	19.3%
Gas Tankers	3,016	3.8%	4,176	2.6%	7,192	3.1%
Other Tankers	499	0.6%	1,542	1.0%	2,041	0.9%
Passenger Ships	1,575	2.0%	10,110	6.3%	11,685	5.0%
Offshore Vessels	3,009	3.8%	12,437	7.8%	15,446	6.7%
Service Ships	1,007	1.3%	7,843	4.9%	8,850	3.8%
Tugs	88	0.1%	770	0.5%	858	0.4%
Fishing Vessels	501	0.6%	6,919	4.3%		
Total	79,864	100%	159,749	100%	232,193	100%

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

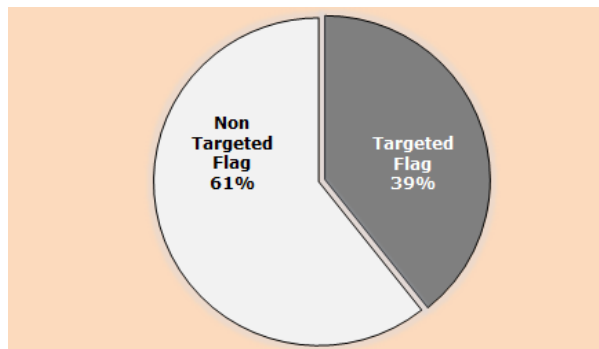
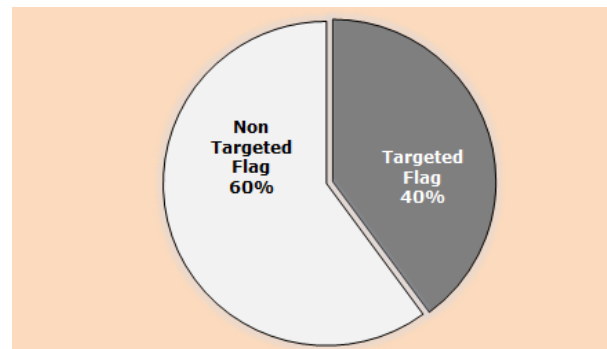
LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	53	1.1%	195	2.6%	248	2.0%
Specialized Cargo Ships	20	0.4%	44	0.6%	64	0.5%
Container Ships	634	13.0%	921	12.2%	1,555	12.5%
Ro-Ro Cargo Ships	217	4.4%	347	4.6%	564	4.5%
Bulk Carriers	2,693	55.2%	3,717	49.3%	6,410	51.6%
Oil and Chemical Tankers	1,018	20.8%	1,708	22.6%	2,726	21.9%
Gas Tankers	150	3.1%	239	3.2%	389	3.1%
Other Tankers	9	0.2%	5	0.1%	14	0.1%
Passenger Ships	45	0.9%	242	3.2%	287	2.3%
Offshore Vessels	39	0.8%	101	1.3%	140	1.1%
Service Ships	5	0.1%	21	0.3%	26	0.2%
Tugs						
Fishing Vessels			2	0.0%		
Total	4,883	100%	7,542	100%	12,423	100%

Source: Equasis ⁽¹⁾ 25,000≤GT<60,000**Table 18 - Gross tonnage (in 1000 gt) of large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	1,693	0.9%	6,558	2.3%	8,251	1.8%
Specialized Cargo Ships	787	0.4%	1,674	0.6%	2,461	0.5%
Container Ships	23,807	12.8%	34,836	12.4%	58,643	12.5%
Ro-Ro Cargo Ships	10,658	5.7%	16,193	5.8%	26,851	5.7%
Bulk Carriers	101,965	54.6%	137,406	48.9%	239,371	51.2%
Oil and Chemical Tankers	37,943	20.3%	59,021	21.0%	96,964	20.7%
Gas Tankers	6,126	3.3%	10,762	3.8%	16,888	3.6%
Other Tankers	276	0.1%	134	0.0%	410	0.1%
Passenger Ships	1,484	0.8%	8,857	3.2%	10,341	2.2%
Offshore Vessels	1,783	1.0%	4,626	1.6%	6,409	1.4%
Service Ships	196	0.1%	772	0.3%	968	0.2%
Tugs						
Fishing Vessels			81	0.0%		
Total	186,718	100%	280,920	100%	467,557	100%

Source: Equasis ⁽¹⁾ 25,000≤GT<60,000**Graph 17 - Total number of large ships, by flag****Graph 18 - Gross tonnage of large ships, by flag**

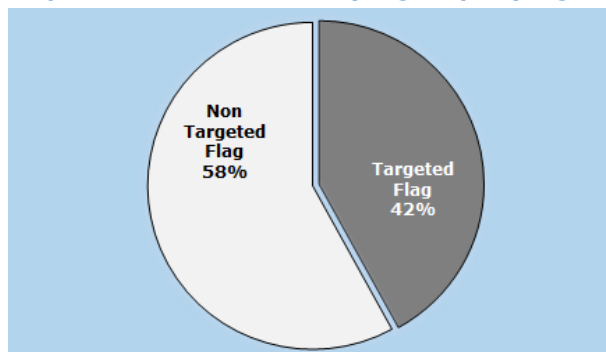
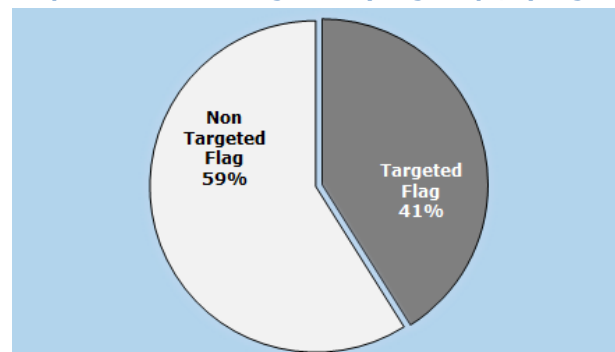
VERY LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			6	0.2%	6	0.1%
Container Ships	640	23.4%	823	21.8%	1,463	22.5%
Ro-Ro Cargo Ships	98	3.6%	151	4.0%	249	3.8%
Bulk Carriers	905	33.1%	873	23.1%	1,778	27.3%
Oil and Chemical Tankers	840	30.7%	1,185	31.4%	2,025	31.1%
Gas Tankers	124	4.5%	384	10.2%	508	7.8%
Other Tankers						
Passenger Ships	61	2.2%	133	3.5%	194	3.0%
Offshore Vessels	66	2.4%	221	5.8%	287	4.4%
Service Ships	4	0.1%	2	0.1%	6	0.1%
Tugs						
Fishing Vessels						
Total	2,738	100%	3,778	100%	6,516	100%

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			438	0.1%	438	0.1%
Container Ships	70,234	24.8%	91,870	22.6%	162,104	23.5%
Ro-Ro Cargo Ships	6,462	2.3%	10,263	2.5%	16,725	2.4%
Bulk Carriers	87,718	30.9%	94,213	23.2%	181,931	26.4%
Oil and Chemical Tankers	91,094	32.1%	125,420	30.8%	216,514	31.4%
Gas Tankers	13,591	4.8%	43,620	10.7%	57,211	8.3%
Other Tankers						
Passenger Ships	6,504	2.3%	14,203	3.5%	20,707	3.0%
Offshore Vessels	7,084	2.5%	26,675	6.6%	33,759	4.9%
Service Ships	756	0.3%	135	0.0%	891	0.1%
Tugs						
Fishing Vessels						
Total	283,443	100%	406,837	100%	690,280	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 – 2019

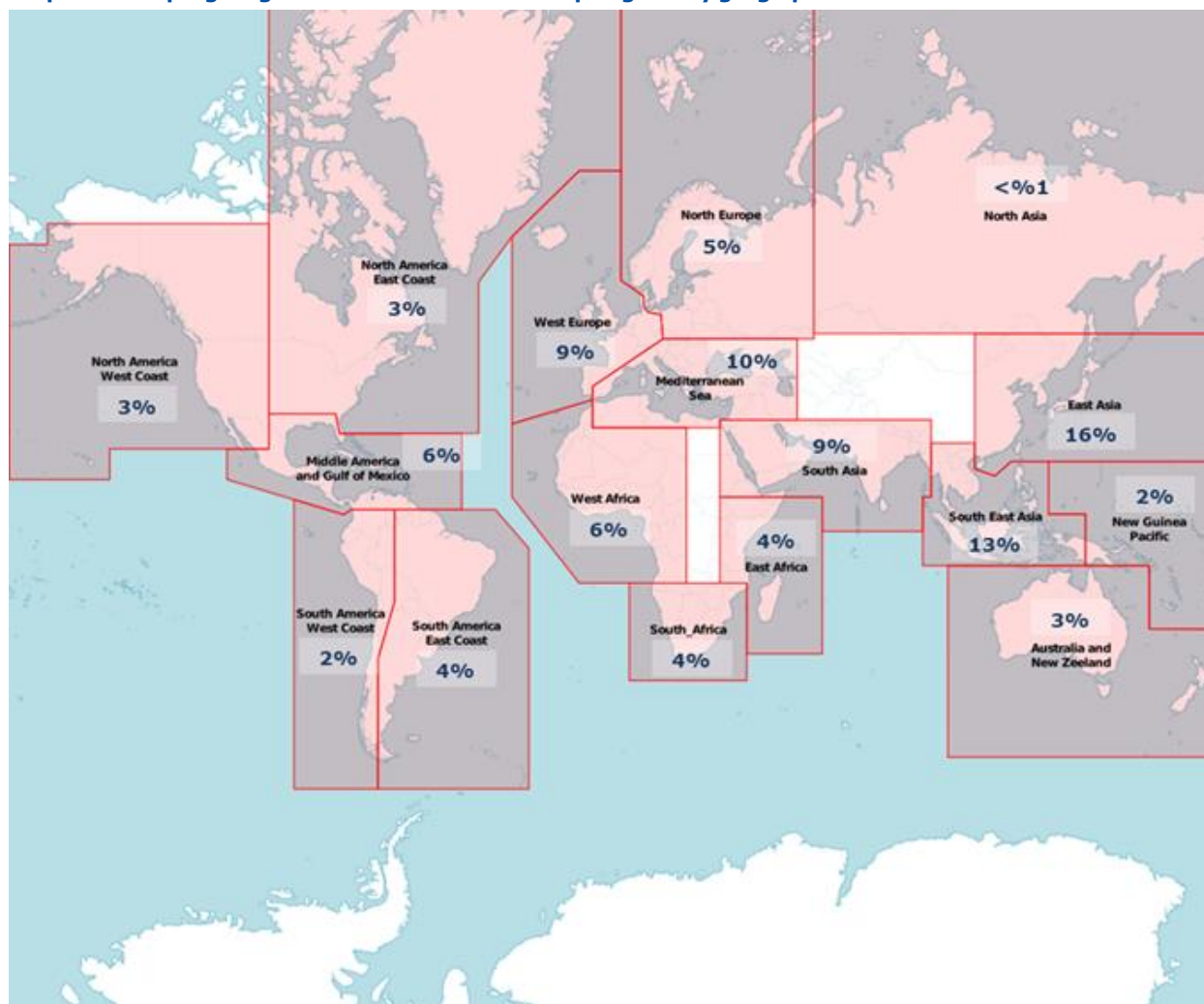
Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
Australia and New Zealand	483	1.9%	1,630	2.0%	3,008	4.4%	1,974	5.2%	7,095	3.3%
East Africa	153	0.6%	1,245	1.5%	3,947	5.8%	2,330	6.1%	7,675	3.6%
East Asia	3,711	15.0%	14,948	18.3%	9,190	13.5%	5,494	14.4%	33,343	15.7%
Mediterranean Sea	3,311	13.4%	9,778	12.0%	4,963	7.3%	2,931	7.7%	20,983	9.9%
Middle America and Gulf of Mexico	2,048	8.3%	4,567	5.6%	4,524	6.6%	2,238	5.9%	13,377	6.3%
New Guinea Pacific	285	1.1%	1,138	1.4%	1,487	2.2%	609	1.6%	3,519	1.7%
North America East Coast	1,235	5.0%	2,339	2.9%	2,449	3.6%	1,298	3.4%	7,321	3.4%
North America West Coast	1,063	4.3%	1,657	2.0%	3,282	4.8%	1,433	3.8%	7,435	3.5%
North Asia	48	0.2%	275	0.3%	139	0.2%	94	0.2%	556	0.3%
North Europe	1,865	7.5%	6,759	8.3%	2,054	3.0%	874	2.3%	11,552	5.4%
South America East Coast	652	2.6%	2,787	3.4%	3,927	5.8%	1,796	4.7%	9,162	4.3%
South America West Coast	327	1.3%	1,433	1.8%	1,410	2.1%	549	1.4%	3,719	1.7%
South Asia	2,059	8.3%	6,427	7.9%	6,379	9.4%	3,764	9.9%	18,629	8.7%
South East Asia	2,788	11.2%	10,902	13.3%	8,065	11.8%	5,073	13.3%	26,828	12.6%
South Africa	333	1.3%	1,775	2.2%	4,571	6.7%	2,700	7.1%	9,379	4.4%
West Africa	1,192	4.8%	5,246	6.4%	3,998	5.9%	2,201	5.8%	12,637	5.9%
West Europe	3,238	13.1%	8,859	10.8%	4,795	7.0%	2,828	7.4%	19,720	9.3%
Total	24,791	100%	81,765	100%	68,188	100%	38,186	100%	212,930	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 – 2019

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
Australia and New Zealand	156	2.1%	22,793	3.0%	123,225	4.7%	183,151	4.6%	329,325	4.5%
East Africa	51	0.7%	16,789	2.2%	155,253	5.9%	253,836	6.4%	425,929	5.8%
East Asia	1,178	16.1%	116,753	15.3%	351,105	13.4%	595,497	15.1%	1,064,533	14.5%
Mediterranean Sea	985	13.4%	80,463	10.5%	186,071	7.1%	292,377	7.4%	559,896	7.6%
Middle America and Gulf of Mexico	642	8.8%	49,634	6.5%	171,043	6.5%	217,593	5.5%	438,912	6.0%
New Guinea Pacific	87	1.2%	14,076	1.8%	61,642	2.4%	54,480	1.4%	130,285	1.8%
North America East Coast	313	4.3%	27,491	3.6%	94,494	3.6%	115,186	2.9%	237,484	3.2%
North America West Coast	264	3.6%	22,761	3.0%	128,499	4.9%	139,198	3.5%	290,722	4.0%
North Asia	15	0.2%	1,746	0.2%	5,785	0.2%	9,292	0.2%	16,838	0.2%
North Europe	490	6.7%	50,295	6.6%	77,449	3.0%	79,904	2.0%	208,138	2.8%
South America East Coast	201	2.7%	35,478	4.6%	149,432	5.7%	196,648	5.0%	381,759	5.2%
South America West Coast	107	1.5%	17,654	2.3%	51,175	2.0%	49,557	1.3%	118,493	1.6%
South Asia	691	9.4%	61,670	8.1%	243,742	9.3%	415,134	10.5%	721,237	9.8%
South East Asia	825	11.3%	92,247	12.1%	310,344	11.8%	554,364	14.0%	957,780	13.0%
South Africa	106	1.4%	23,594	3.1%	179,061	6.8%	293,703	7.4%	496,464	6.8%
West Africa	363	5.0%	53,765	7.0%	149,403	5.7%	223,031	5.6%	426,562	5.8%
West Europe	850	11.6%	77,955	10.2%	182,154	7.0%	281,861	7.1%	542,820	7.4%
Total	7,324	100%	765,164	100%	2,619,877	100%	3,954,812	100%	7,347,177	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 – 2019 ⁽¹⁾

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

Chapter 3

3. Classification Societies

INTRODUCTION

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

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

In 2019, IACS consisted of 12 members societies:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNVGL Group AS;
- Indian Register of Shipping (IRS);
- Korean Register of Shipping (KR);
- Lloyd's Register of Shipping (LR);
- Nippon Kaiji Kyokai (ClassNK) ;
- Polish Register of Shipping (PRS);
- Registro Italiano Navale (RINA); and
- Russian Maritime Register of Shipping (RS).

Non-members of IACS who report their activity data to Equasis are:

- Türk Loydu (TL);
- Dromon Bureau of Shipping (DR);

- Overseas Marine Certification Services (OMCS);
- Biro Klasifikasi Indonesia (BKI);
- Phoenix Register of Shipping (PHRS); and
- Emirates Classification Society (TASNEEF).

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

For simplicity reasons ships that are not classed by IACS members or for which no class record exists are grouped under the heading "*Non-IACS/No Record*".

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

In Chapter 3.4 the detention rate of ships is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU, USCG, Viña del Mar MoU Mediterranean MoU, Caribbean MoU Black Sea MoU and Abuja MoU.

All detentions are taken into account, whether or not the deficiencies giving rise to the detention were indicated by PSC as being related to the activities of the Classification Society or Recognised Organisation.

RESULTS

Graph 22 shows that the Equasis fleet over 500GT is dominated by ships classed by IACS members (56% by number and 78% by tonnage).

This proportion is reflected in most of the ship types although general cargo ships account for around a third (24.6%) of the world's fleet over 500GT that are not IACS classed or for which no record was available in Equasis (Table 23). Graphs 24 to 29 show that the IACS share is bigger, in number of ships, in the higher size categories of the ships, with 80% of the large ships and 80% of the very large ships categories being classed by IACS, (compared to 56% of the total). Ships covered by non-IACS members or for which no class was recorded are mostly medium sized ships (Graph 24) in contrast with remaining ship size categories.

Graphs 30, 38, 46 and 54 show that the IACS members coverage is greater among the younger fleet and tends to diminish with age – from 69% of ships aged up to 5 years to 27% of the fleet over 25 years old.

Graph 62 shows that 34% of ships originated from Non-Targeted Flags are being classified by IACS members, with 34% of the ships being classed by non-IACS (or no record was found).

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 2.42% of inspections resulted in detention in 2019 (Table 71). Those ships classed by an IACS member had a lower detention ratio in 2017 (2.07%) than those classed with non-IACS members or with no recorded class (3.64%).

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

3.1. CLASS STATUS

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

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	4,954	13.9%	6,932	24.6%	11,886	18.6%
Specialized Cargo Ships	199	0.6%	100	0.4%	299	0.5%
Container Ships	3,156	8.8%	2,103	7.5%	5,259	8.2%
Ro-Ro Cargo Ships	990	2.8%	446	1.6%	1,436	2.2%
Bulk Carriers	10,019	28.1%	1,976	7.0%	11,995	18.8%
Oil and Chemical Tankers	8,089	22.6%	3,984	14.1%	12,073	18.9%
Gas Tankers	1,539	4.3%	474	1.7%	2,013	3.2%
Other Tankers	432	1.2%	281	1.0%	713	1.1%
Passenger Ships	1,259	3.5%	2,095	7.4%	3,354	5.3%
Offshore Vessels	3,280	9.2%	2,358	8.4%	5,638	8.8%
Service Ships	1,130	3.2%	1,671	5.9%	2,801	4.4%
Tugs	529	1.5%	403	1.4%	932	1.5%
Fishing Vessels	142	0.4%	5,342	19.0%	5,484	8.6%
Total	35,718	100%	28,165	100%	63,883	100%

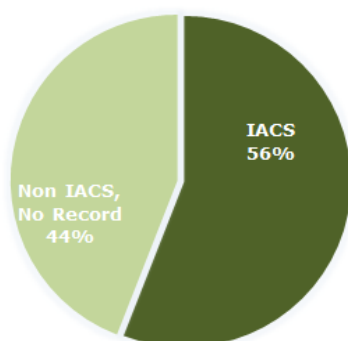
Source: Equasis - IACS membership on 31/12/2019

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

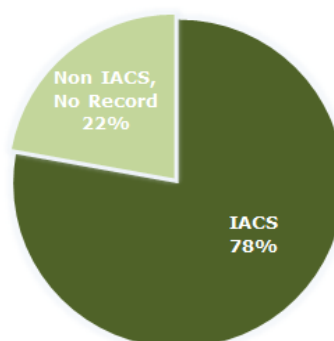
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	33,027	3.0%	25,133	8.1%	58,160	4.2%
Specialized Cargo Ships	3,793	0.3%	872	0.3%	4,665	0.3%
Container Ships	159,696	14.7%	87,350	28.2%	247,046	17.7%
Ro-Ro Cargo Ships	38,370	3.5%	11,445	3.7%	49,815	3.6%
Bulk Carriers	427,760	39.3%	50,633	16.4%	478,393	34.2%
Oil and Chemical Tankers	290,390	26.7%	67,904	22.0%	358,294	25.6%
Gas Tankers	66,652	6.1%	14,639	4.7%	81,291	5.8%
Other Tankers	1,857	0.2%	594	0.2%	2,451	0.2%
Passenger Ships	26,340	2.4%	16,394	5.3%	42,734	3.1%
Offshore Vessels	33,041	3.0%	22,573	7.3%	55,614	4.0%
Service Ships	6,445	0.6%	4,264	1.4%	10,709	0.8%
Tugs	506	0.0%	352	0.1%	858	0.1%
Fishing Vessels	327	0.0%	7,174	2.3%	7,501	0.5%
Total	1,088,204	100%	309,327	100%	1,397,531	100%

Source: Equasis - IACS membership on 31/12/2019

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



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



MEDIUM SIZED SHIPS

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

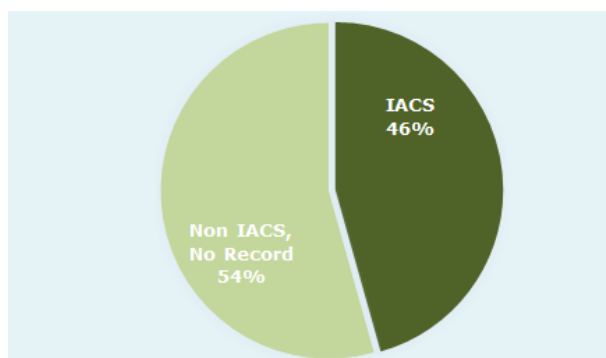
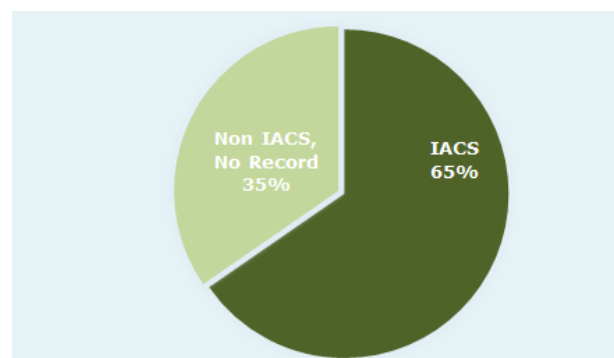
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	4,840	23.6%	6,798	27.8%	11,638	25.9%
Specialized Cargo Ships	140	0.7%	89	0.4%	229	0.5%
Container Ships	1,310	6.4%	931	3.8%	2,241	5.0%
Ro-Ro Cargo Ships	349	1.7%	274	1.1%	623	1.4%
Bulk Carriers	2,659	13.0%	1,148	4.7%	3,807	8.5%
Oil and Chemical Tankers	4,264	20.8%	3,058	12.5%	7,322	16.3%
Gas Tankers	819	4.0%	297	1.2%	1,116	2.5%
Other Tankers	422	2.1%	277	1.1%	699	1.6%
Passenger Ships	910	4.4%	1,963	8.0%	2,873	6.4%
Offshore Vessels	3,027	14.8%	2,184	8.9%	5,211	11.6%
Service Ships	1,104	5.4%	1,665	6.8%	2,769	6.2%
Tugs	529	2.6%	403	1.6%	932	2.1%
Fishing Vessels	141	0.7%	5,341	21.9%	5,482	12.2%
Total	20,514	100%	24,428	100%	44,942	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	29,295	18.7%	20,615	24.8%	49,910	20.8%
Specialized Cargo Ships	1,321	0.8%	446	0.5%	1,767	0.7%
Container Ships	16,301	10.4%	9,998	12.0%	26,299	11.0%
Ro-Ro Cargo Ships	4,210	2.7%	2,029	2.4%	6,239	2.6%
Bulk Carriers	45,934	29.3%	11,157	13.4%	57,091	23.8%
Oil and Chemical Tankers	32,208	20.6%	12,608	15.2%	44,816	18.7%
Gas Tankers	5,460	3.5%	1,732	2.1%	7,192	3.0%
Other Tankers	1,572	1.0%	469	0.6%	2,041	0.9%
Passenger Ships	5,836	3.7%	5,850	7.1%	11,686	4.9%
Offshore Vessels	8,871	5.7%	6,575	7.9%	15,446	6.4%
Service Ships	4,828	3.1%	4,022	4.8%	8,850	3.7%
Tugs	506	0.3%	352	0.4%	858	0.4%
Fishing Vessels	295	0.2%	7,125	8.6%	7,420	3.1%
Total	156,637	100%	82,978	100%	239,615	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

LARGE SHIPS

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

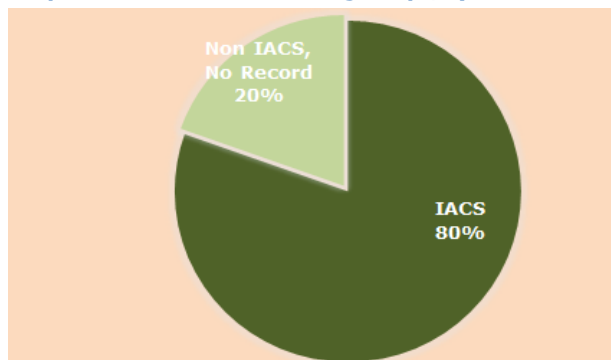
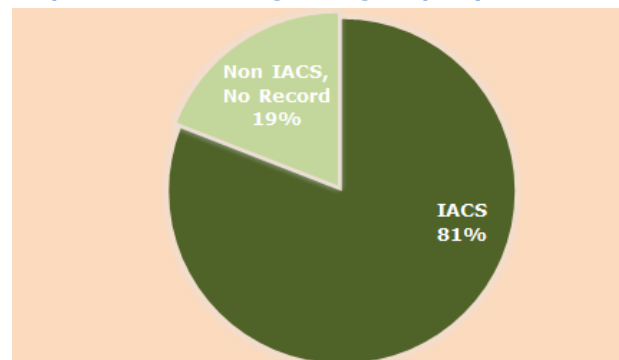
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	114	1.1%	134	5.5%	248	2.0%
Specialized Cargo Ships	53	0.5%	11	0.5%	64	0.5%
Container Ships	839	8.4%	716	29.5%	1,555	12.5%
Ro-Ro Cargo Ships	444	4.4%	120	4.9%	564	4.5%
Bulk Carriers	5,718	57.2%	692	28.5%	6,410	51.6%
Oil and Chemical Tankers	2,183	21.8%	543	22.3%	2,726	21.9%
Gas Tankers	290	2.9%	99	4.1%	389	3.1%
Other Tankers	10	0.1%	4	0.2%	14	0.1%
Passenger Ships	227	2.3%	60	2.5%	287	2.3%
Offshore Vessels	94	0.9%	46	1.9%	140	1.1%
Service Ships	21	0.2%	5	0.2%	26	0.2%
Tugs						
Fishing Vessels	1	0.0%	1	0.0%	2	0.0%
Total	9,994	100%	2,431	100%	12,425	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	3,732	1.0%	4,518	5.1%	8,250	1.8%
Specialized Cargo Ships	2,034	0.5%	426	0.5%	2,460	0.5%
Container Ships	32,419	8.6%	26,224	29.4%	58,643	12.5%
Ro-Ro Cargo Ships	21,011	5.6%	5,840	6.6%	26,851	5.7%
Bulk Carriers	215,028	56.8%	24,343	27.3%	239,371	51.2%
Oil and Chemical Tankers	78,083	20.6%	18,881	21.2%	96,964	20.7%
Gas Tankers	12,624	3.3%	4,264	4.8%	16,888	3.6%
Other Tankers	285	0.1%	125	0.1%	410	0.1%
Passenger Ships	8,147	2.2%	2,194	2.5%	10,341	2.2%
Offshore Vessels	4,346	1.1%	2,063	2.3%	6,409	1.4%
Service Ships	796	0.2%	171	0.2%	967	0.2%
Tugs						
Fishing Vessels	32	0.0%	49	0.1%	81	0.0%
Total	378,537	100%	89,098	100%	467,635	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

VERY LARGE SHIPS

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

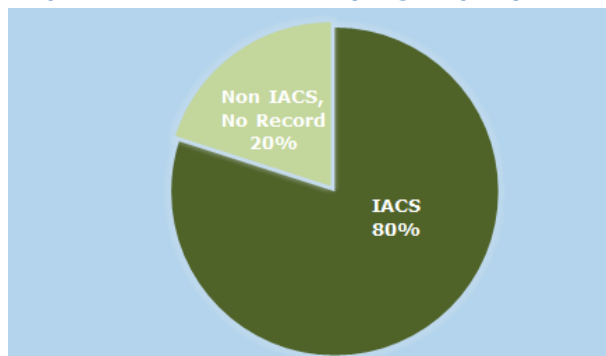
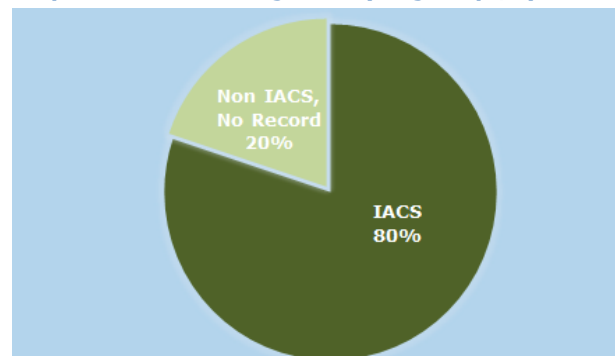
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	6	0.1%			6	0.1%
Container Ships	1,007	19.3%	456	34.9%	1,463	22.5%
Ro-Ro Cargo Ships	197	3.8%	52	4.0%	249	3.8%
Bulk Carriers	1,642	31.5%	136	10.4%	1,778	27.3%
Oil and Chemical Tankers	1,642	31.5%	383	29.3%	2,025	31.1%
Gas Tankers	430	8.3%	78	6.0%	508	7.8%
Other Tankers						
Passenger Ships	122	2.3%	72	5.5%	194	3.0%
Offshore Vessels	159	3.1%	128	9.8%	287	4.4%
Service Ships	5	0.1%	1	0.1%	6	0.1%
Tugs						
Fishing Vessels						
Total	5,210	100%	1,306	100%	6,516	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	438	0.1%			438	0.1%
Container Ships	110,976	20.1%	51,128	37.3%	162,104	23.5%
Ro-Ro Cargo Ships	13,149	2.4%	3,576	2.6%	16,725	2.4%
Bulk Carriers	166,798	30.2%	15,133	11.0%	181,931	26.4%
Oil and Chemical Tankers	180,099	32.6%	36,415	26.5%	216,514	31.4%
Gas Tankers	48,568	8.8%	8,643	6.3%	57,211	8.3%
Other Tankers						
Passenger Ships	12,357	2.2%	8,350	6.1%	20,707	3.0%
Offshore Vessels	19,824	3.6%	13,935	10.2%	33,759	4.9%
Service Ships	821	0.1%	71	0.1%	892	0.1%
Tugs						
Fishing Vessels						
Total	553,030	100%	137,251	100%	690,281	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2019

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

3.2. CLASS STATUS AND AGE

0-4 YEARS OLD SHIPS

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	396	7.3%	265	10.7%	661	8.4%
Specialized Cargo Ships	24	0.4%	12	0.5%	36	0.5%
Container Ships	441	8.2%	234	9.4%	675	8.6%
Ro-Ro Cargo Ships	100	1.8%	27	1.1%	127	1.6%
Bulk Carriers	1,759	32.5%	243	9.8%	2,002	25.4%
Oil and Chemical Tankers	1,426	26.4%	393	15.9%	1,819	23.1%
Gas Tankers	363	6.7%	74	3.0%	437	5.5%
Other Tankers	102	1.9%	7	0.3%	109	1.4%
Passenger Ships	150	2.8%	268	10.8%	418	5.3%
Offshore Vessels	411	7.6%	129	5.2%	540	6.8%
Service Ships	130	2.4%	160	6.5%	290	3.7%
Tugs	83	1.5%	8	0.3%	91	1.2%
Fishing Vessels	23	0.4%	657	26.5%	680	8.6%
Total	5,408	100%	2,477	100%	7,885	100%

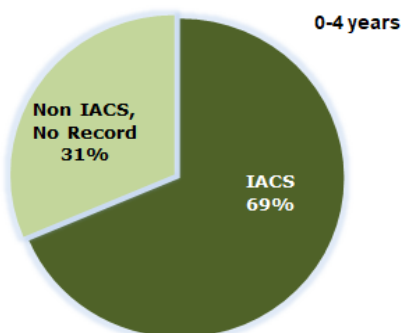
Source: Equasis - IACS membership on 31/12/2019

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

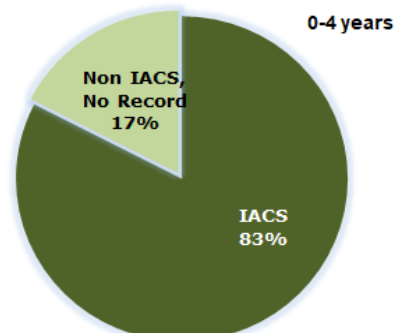
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	3,991	1.7%	1,321	2.7%	5,312	1.9%
Specialized Cargo Ships	594	0.3%	245	0.5%	839	0.3%
Container Ships	35,433	15.1%	13,347	27.0%	48,780	17.2%
Ro-Ro Cargo Ships	4,397	1.9%	1,351	2.7%	5,748	2.0%
Bulk Carriers	88,327	37.8%	7,618	15.4%	95,945	33.9%
Oil and Chemical Tankers	69,268	29.6%	13,324	27.0%	82,592	29.1%
Gas Tankers	22,095	9.4%	4,055	8.2%	26,150	9.2%
Other Tankers	617	0.3%	10	0.0%	627	0.2%
Passenger Ships	3,895	1.7%	3,536	7.2%	7,431	2.6%
Offshore Vessels	4,527	1.9%	2,926	5.9%	7,453	2.6%
Service Ships	641	0.3%	650	1.3%	1,291	0.5%
Tugs	74	0.0%	6	0.0%	80	0.0%
Fishing Vessels	55	0.0%	1,047	2.1%	1,102	0.4%
Total	233,914	100%	49,436	100%	283,350	100%

Source: Equasis - IACS membership on 31/12/2019

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



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



0-4 YEARS OLD MEDIUM SIZED SHIPS

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

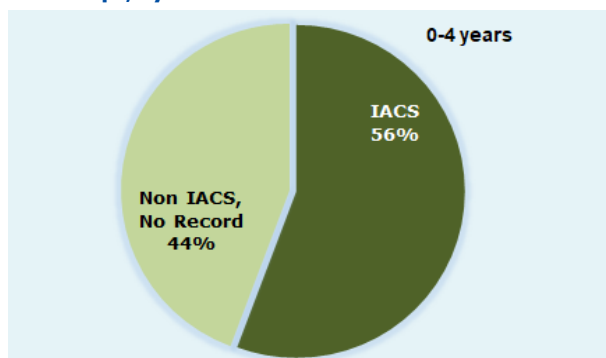
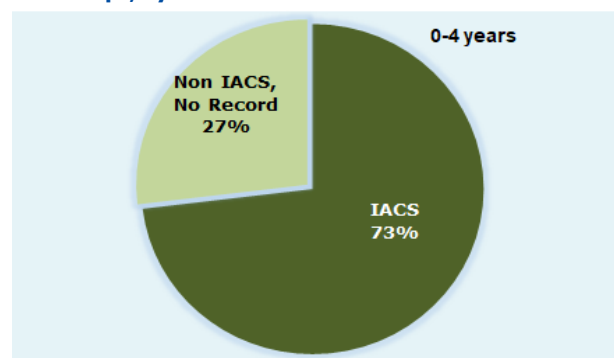
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	358	15.0%	253	13.4%	611	14.3%
Specialized Cargo Ships	15	0.6%	7	0.4%	22	0.5%
Container Ships	180	7.6%	92	4.9%	272	6.4%
Ro-Ro Cargo Ships	41	1.7%	3	0.2%	44	1.0%
Bulk Carriers	298	12.5%	109	5.8%	407	9.5%
Oil and Chemical Tankers	549	23.0%	225	11.9%	774	18.1%
Gas Tankers	107	4.5%	21	1.1%	128	3.0%
Other Tankers	97	4.1%	7	0.4%	104	2.4%
Passenger Ships	114	4.8%	246	13.0%	360	8.4%
Offshore Vessels	389	16.3%	108	5.7%	497	11.6%
Service Ships	130	5.5%	159	8.4%	289	6.8%
Tugs	83	3.5%	8	0.4%	91	2.1%
Fishing Vessels	23	1.0%	657	34.7%	680	15.9%
Total	2,384	100%	1,895	100%	4,279	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	2,703	12.6%	935	11.8%	3,638	12.4%
Specialized Cargo Ships	157	0.7%	29	0.4%	186	0.6%
Container Ships	2,516	11.7%	1,059	13.4%	3,575	12.2%
Ro-Ro Cargo Ships	508	2.4%	16	0.2%	524	1.8%
Bulk Carriers	6,097	28.4%	1,007	12.7%	7,104	24.2%
Oil and Chemical Tankers	5,056	23.5%	1,118	14.1%	6,174	21.0%
Gas Tankers	895	4.2%	365	4.6%	1,260	4.3%
Other Tankers	481	2.2%	10	0.1%	491	1.7%
Passenger Ships	550	2.6%	969	12.2%	1,519	5.2%
Offshore Vessels	1,763	8.2%	728	9.2%	2,491	8.5%
Service Ships	641	3.0%	623	7.9%	1,264	4.3%
Tugs	74	0.3%	6	0.1%	80	0.3%
Fishing Vessels	55	0.3%	1,047	13.2%	1,102	3.7%
Total	21,496	100%	7,912	100%	29,408	100%

Source: Equasis - IACS membership on 31/12/2019

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

0-4 YEARS OLD LARGE SHIPS

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

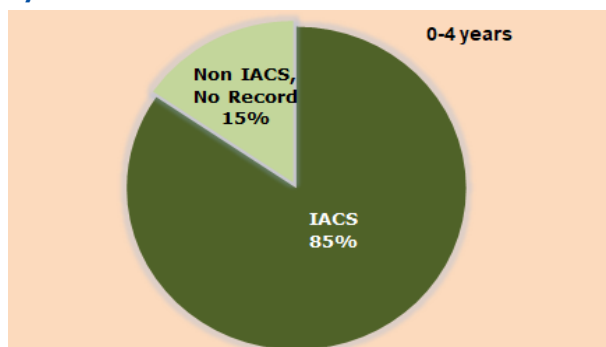
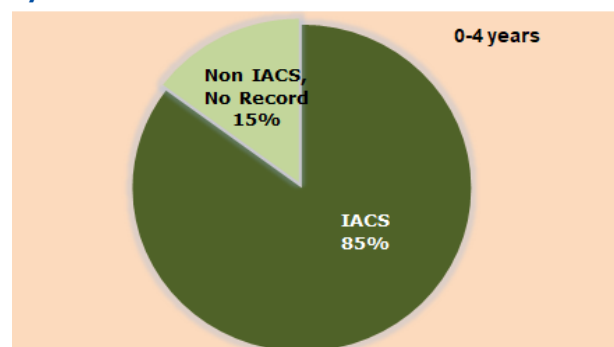
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	38	2.1%	12	3.7%	50	2.4%
Specialized Cargo Ships	6	0.3%	5	1.5%	11	0.5%
Container Ships	70	3.9%	70	21.4%	140	6.6%
Ro-Ro Cargo Ships	11	0.6%	13	4.0%	24	1.1%
Bulk Carriers	1,132	63.3%	110	33.6%	1,242	58.8%
Oil and Chemical Tankers	378	21.2%	73	22.3%	451	21.3%
Gas Tankers	124	6.9%	33	10.1%	157	7.4%
Other Tankers	5	0.3%			5	0.2%
Passenger Ships	18	1.0%	7	2.1%	25	1.2%
Offshore Vessels	5	0.3%	3	0.9%	8	0.4%
Service Ships			1	0.3%	1	0.0%
Tugs						
Fishing Vessels						
Total	1,787	100%	327	100%	2,114	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,288	1.9%	386	3.3%	1,674	2.1%
Specialized Cargo Ships	219	0.3%	216	1.9%	435	0.6%
Container Ships	2,316	3.5%	2,177	18.7%	4,493	5.7%
Ro-Ro Cargo Ships	436	0.7%	539	4.6%	975	1.2%
Bulk Carriers	43,759	65.6%	4,208	36.2%	47,967	61.2%
Oil and Chemical Tankers	12,407	18.6%	2,261	19.5%	14,668	18.7%
Gas Tankers	5,213	7.8%	1,409	12.1%	6,622	8.5%
Other Tankers	136	0.2%			136	0.2%
Passenger Ships	760	1.1%	285	2.5%	1,045	1.3%
Offshore Vessels	210	0.3%	109	0.9%	319	0.4%
Service Ships			27	0.2%	27	0.0%
Tugs						
Fishing Vessels						
Total	66,744	100%	11,617	100%	78,361	100%

Source: Equasis - IACS membership on 31/12/2019

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

0-4 YEARS OLD VERY LARGE SHIPS

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

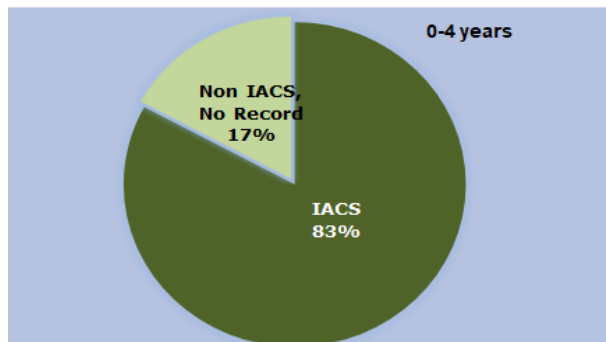
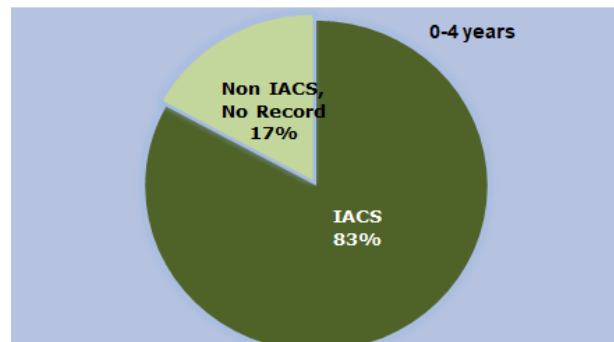
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	3	0.2%			3	0.2%
Container Ships	191	15.4%	72	28.2%	263	17.6%
Ro-Ro Cargo Ships	48	3.9%	11	4.3%	59	4.0%
Bulk Carriers	329	26.6%	24	9.4%	353	23.7%
Oil and Chemical Tankers	499	40.3%	95	37.3%	594	39.8%
Gas Tankers	132	10.7%	20	7.8%	152	10.2%
Other Tankers						
Passenger Ships	18	1.5%	15	5.9%	33	2.2%
Offshore Vessels	17	1.4%	18	7.1%	35	2.3%
Service Ships						
Tugs						
Fishing Vessels						
Total	1,237	100%	255	100%	1,492	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	218	0.1%			218	0.1%
Container Ships	30,601	21.0%	10,111	33.8%	40,712	23.2%
Ro-Ro Cargo Ships	3,453	2.4%	796	2.7%	4,249	2.4%
Bulk Carriers	38,471	26.4%	2,403	8.0%	40,874	23.3%
Oil and Chemical Tankers	51,805	35.6%	9,945	33.3%	61,750	35.2%
Gas Tankers	15,987	11.0%	2,281	7.6%	18,268	10.4%
Other Tankers						
Passenger Ships	2,585	1.8%	2,282	7.6%	4,867	2.8%
Offshore Vessels	2,554	1.8%	2,089	7.0%	4,643	2.6%
Service Ships						
Tugs						
Fishing Vessels						
Total	145,674	100%	29,907	100%	175,581	100%

Source: Equasis - IACS membership on 31/12/2019

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

5-14 YEARS OLD SHIPS

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

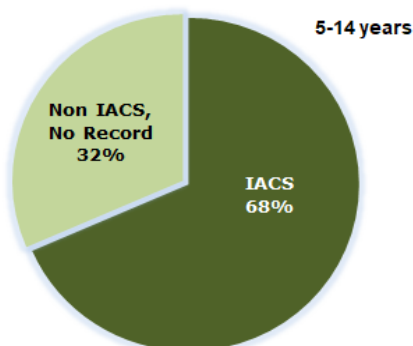
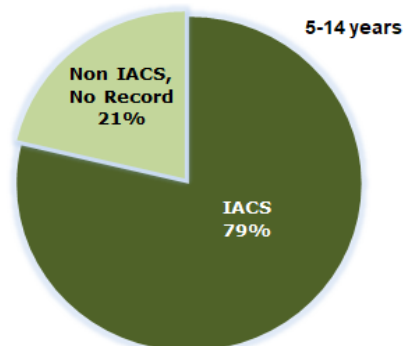
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,828	10.2%	1,741	21.1%	3,569	13.7%
Specialized Cargo Ships	70	0.4%	11	0.1%	81	0.3%
Container Ships	1,659	9.3%	1,106	13.4%	2,765	10.6%
Ro-Ro Cargo Ships	443	2.5%	151	1.8%	594	2.3%
Bulk Carriers	6,024	33.6%	1,180	14.3%	7,204	27.6%
Oil and Chemical Tankers	4,116	23.0%	1,269	15.4%	5,385	20.6%
Gas Tankers	688	3.8%	164	2.0%	852	3.3%
Other Tankers	205	1.1%	72	0.9%	277	1.1%
Passenger Ships	249	1.4%	409	5.0%	658	2.5%
Offshore Vessels	2,032	11.3%	910	11.0%	2,942	11.3%
Service Ships	364	2.0%	345	4.2%	709	2.7%
Tugs	209	1.2%	77	0.9%	286	1.1%
Fishing Vessels	17	0.1%	805	9.8%	822	3.1%
Total	17,904	100%	8,240	100%	26,144	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	14,943	2.5%	9,905	6.2%	24,848	3.3%
Specialized Cargo Ships	1,344	0.2%	129	0.1%	1,473	0.2%
Container Ships	92,963	15.6%	53,853	33.5%	146,816	19.4%
Ro-Ro Cargo Ships	20,973	3.5%	6,570	4.1%	27,543	3.6%
Bulk Carriers	267,768	45.0%	34,165	21.2%	301,933	40.0%
Oil and Chemical Tankers	144,907	24.4%	32,149	20.0%	177,056	23.4%
Gas Tankers	29,416	4.9%	8,452	5.3%	37,868	5.0%
Other Tankers	883	0.1%	266	0.2%	1,149	0.2%
Passenger Ships	7,070	1.2%	5,153	3.2%	12,223	1.6%
Offshore Vessels	11,671	2.0%	7,936	4.9%	19,607	2.6%
Service Ships	2,454	0.4%	1,215	0.8%	3,669	0.5%
Tugs	205	0.0%	77	0.0%	282	0.0%
Fishing Vessels	28	0.0%	1,119	0.7%	1,147	0.2%
Total	594,625	100%	160,989	100%	755,614	100%

Source: Equasis - IACS membership on 31/12/2019

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

5-14 YEARS OLD MEDIUM SIZED SHIPS

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

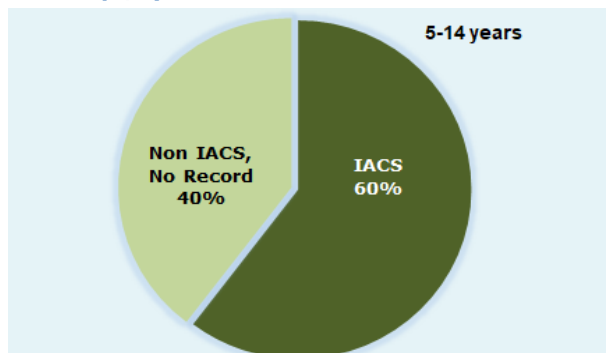
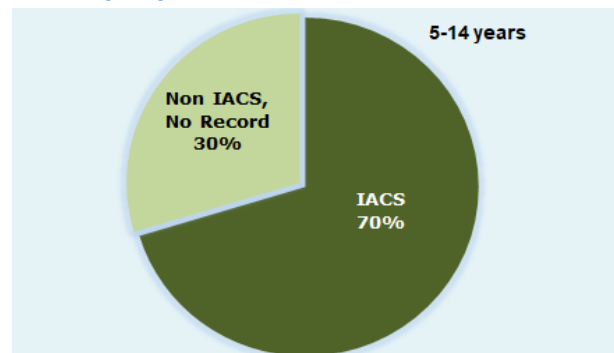
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,783	19.1%	1,676	27.3%	3,459	22.3%
Specialized Cargo Ships	55	0.6%	11	0.2%	66	0.4%
Container Ships	521	5.6%	426	6.9%	947	6.1%
Ro-Ro Cargo Ships	62	0.7%	39	0.6%	101	0.7%
Bulk Carriers	1,498	16.0%	637	10.4%	2,135	13.8%
Oil and Chemical Tankers	2,168	23.2%	774	12.6%	2,942	19.0%
Gas Tankers	393	4.2%	64	1.0%	457	2.9%
Other Tankers	202	2.2%	70	1.1%	272	1.8%
Passenger Ships	156	1.7%	370	6.0%	526	3.4%
Offshore Vessels	1,943	20.8%	852	13.9%	2,795	18.0%
Service Ships	352	3.8%	343	5.6%	695	4.5%
Tugs	209	2.2%	77	1.3%	286	1.8%
Fishing Vessels	17	1.0%	805	246.2%	822	38.9%
Total	9,359	101%	6,144	333%	15,503	134%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	13,421	17.1%	7,622	23.1%	21,043	18.9%
Specialized Cargo Ships	640	0.8%	129	0.4%	769	0.7%
Container Ships	6,582	8.4%	4,970	15.0%	11,552	10.4%
Ro-Ro Cargo Ships	763	1.0%	524	1.6%	1,287	1.2%
Bulk Carriers	28,439	36.3%	7,277	22.0%	35,716	32.1%
Oil and Chemical Tankers	16,863	21.5%	4,349	13.2%	21,212	19.0%
Gas Tankers	2,816	3.6%	764	2.3%	3,580	3.2%
Other Tankers	789	1.0%	207	0.6%	996	0.9%
Passenger Ships	824	1.1%	1,291	3.9%	2,115	1.9%
Offshore Vessels	5,353	6.8%	3,603	10.9%	8,956	8.0%
Service Ships	1,641	2.1%	1,129	3.4%	2,770	2.5%
Tugs	205	0.3%	77	0.2%	282	0.3%
Fishing Vessels	28	0.0%	1,119	9.6%	1,147	1.5%
Total	78,364	100%	33,061	106%	111,425	100%

Source: Equasis - IACS membership on 31/12/2019

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

5-14 YEARS OLD LARGE SHIPS

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

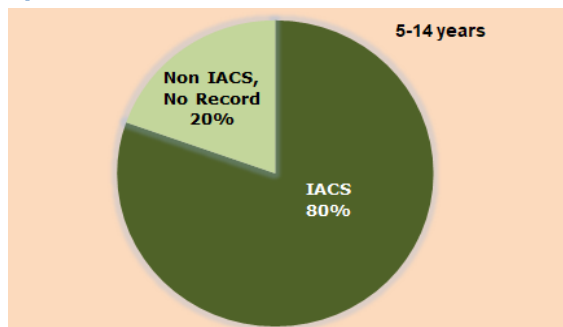
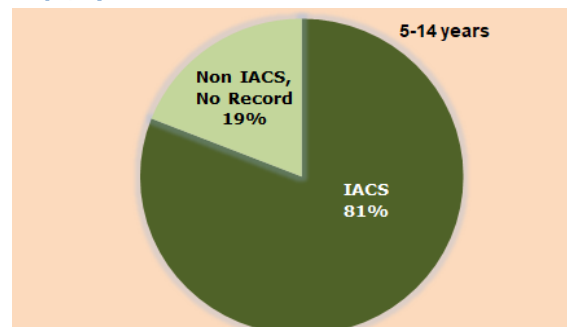
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	45	0.8%	65		110	1.6%
Specialized Cargo Ships	12	0.2%			12	0.2%
Container Ships	519	9.2%	383		902	12.9%
Ro-Ro Cargo Ships	262	4.7%	83		345	4.9%
Bulk Carriers	3,413	60.8%	443		3,856	55.2%
Oil and Chemical Tankers	1,156	20.6%	305		1,461	20.9%
Gas Tankers	100	1.8%	52		152	2.2%
Other Tankers	3	0.1%	2		5	0.1%
Passenger Ships	52	0.9%	10		62	0.9%
Offshore Vessels	41	0.7%	23		64	0.9%
Service Ships	11	0.2%	2		13	0.2%
Tugs						
Fishing Vessels						
Total	5,614	100%	1,368	0%	6,982	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,522	0.7%	2,283	4.5%	3,805	1.4%
Specialized Cargo Ships	484	0.2%			484	0.2%
Container Ships	21,056	9.8%	14,577	28.8%	35,633	13.4%
Ro-Ro Cargo Ships	12,455	5.8%	4,066	8.0%	16,521	6.2%
Bulk Carriers	130,510	60.5%	15,554	30.7%	146,064	54.9%
Oil and Chemical Tankers	40,938	19.0%	10,292	20.3%	51,230	19.2%
Gas Tankers	4,476	2.1%	2,340	4.6%	6,816	2.6%
Other Tankers	94	0.0%	59	0.1%	153	0.1%
Passenger Ships	1,852	0.9%	331	0.7%	2,183	0.8%
Offshore Vessels	1,825	0.8%	1,016	2.0%	2,841	1.1%
Service Ships	410	0.2%	86	0.2%	496	0.2%
Tugs						
Fishing Vessels						
Total	215,622	100%	50,604	100%	266,226	100%

Source: Equasis - IACS membership on 31/12/2019

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

5-14 YEARS OLD VERY LARGE SHIPS

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

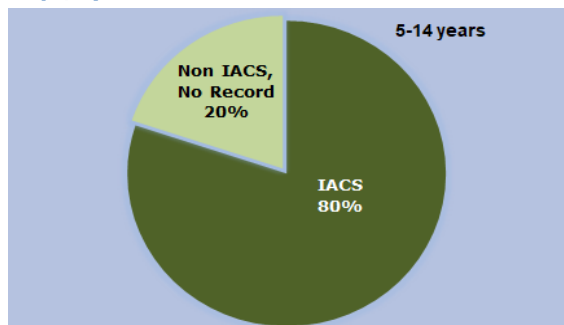
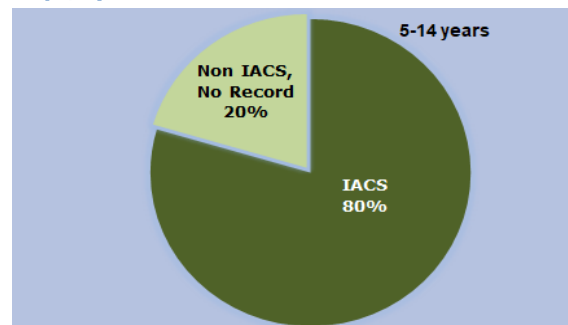
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	3	0.1%			3	0.1%
Container Ships	619	21.1%	297	40.8%	916	25.0%
Ro-Ro Cargo Ships	119	4.1%	29	4.0%	148	4.0%
Bulk Carriers	1,113	38.0%	100	13.7%	1,213	33.2%
Oil and Chemical Tankers	792	27.0%	190	26.1%	982	26.8%
Gas Tankers	195	6.7%	48	6.6%	243	6.6%
Other Tankers						
Passenger Ships	41	1.4%	29	4.0%	70	1.9%
Offshore Vessels	48	1.6%	35	4.8%	83	2.3%
Service Ships	1	0.0%			1	0.0%
Tugs						
Fishing Vessels						
Total	2,931	100%	728	100%	3,659	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	220	0.1%			220	0.1%
Container Ships	65,325	21.7%	34,306	44.4%	99,631	26.4%
Ro-Ro Cargo Ships	7,755	2.6%	1,980	2.6%	9,735	2.6%
Bulk Carriers	108,819	36.2%	11,334	14.7%	120,153	31.8%
Oil and Chemical Tankers	87,106	29.0%	17,508	22.6%	104,614	27.7%
Gas Tankers	22,124	7.4%	5,348	6.9%	27,472	7.3%
Other Tankers						
Passenger Ships	4,394	1.5%	3,531	4.6%	7,925	2.1%
Offshore Vessels	4,493	1.5%	3,317	4.3%	7,810	2.1%
Service Ships	403	0.1%			403	0.1%
Tugs						
Fishing Vessels						
Total	300,639	100%	77,324	100%	377,963	100%

Source: Equasis - IACS membership on 31/12/2019

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

15-24 YEARS OLD SHIPS

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

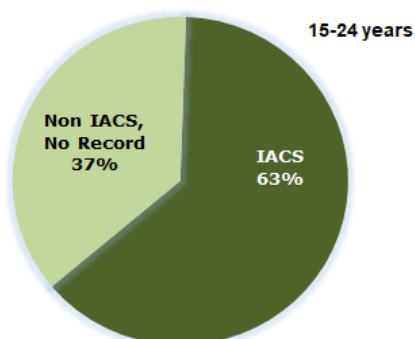
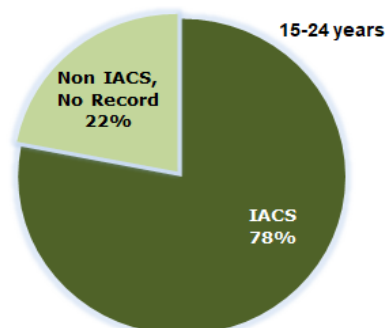
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,200	15.7%	1,029	23.2%	2,229	18.5%
Specialized Cargo Ships	31	0.4%			31	0.3%
Container Ships	920	12.0%	607	13.7%	1,527	12.7%
Ro-Ro Cargo Ships	313	4.1%	77	1.7%	390	3.2%
Bulk Carriers	1,730	22.6%	236	5.3%	1,966	16.3%
Oil and Chemical Tankers	1,991	26.1%	633	14.3%	2,624	21.7%
Gas Tankers	332	4.3%	61	1.4%	393	3.3%
Other Tankers	49	0.6%	13	0.3%	62	0.5%
Passenger Ships	371	4.9%	396	8.9%	767	6.4%
Offshore Vessels	428	5.6%	362	8.2%	790	6.5%
Service Ships	193	2.5%	208	4.7%	401	3.3%
Tugs	67	0.9%	35	0.8%	102	0.8%
Fishing Vessels	15	0.2%	771	17.4%	786	6.5%
Total	7,640	100%	4,428	100%	12,068	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	7,839	3.7%	4,936	8.3%	12,775	4.7%
Specialized Cargo Ships	614	0.3%			614	0.2%
Container Ships	29,111	13.7%	18,139	30.4%	47,250	17.4%
Ro-Ro Cargo Ships	10,779	5.1%	2,348	3.9%	13,127	4.8%
Bulk Carriers	59,769	28.2%	5,073	8.5%	64,842	23.9%
Oil and Chemical Tankers	73,159	34.5%	17,828	29.9%	90,987	33.5%
Gas Tankers	11,593	5.5%	1,334	2.2%	12,927	4.8%
Other Tankers	223	0.1%	81	0.1%	304	0.1%
Passenger Ships	9,243	4.4%	3,852	6.5%	13,095	4.8%
Offshore Vessels	8,228	3.9%	4,572	7.7%	12,800	4.7%
Service Ships	1,404	0.7%	472	0.8%	1,876	0.7%
Tugs	64	0.0%	27	0.0%	91	0.0%
Fishing Vessels	18	0.0%	976	1.6%	994	0.4%
Total	212,044	100%	59,638	100%	271,682	100%

Source: Equasis - IACS membership on 31/12/2019

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

15-24 YEARS OLD MEDIUM SIZED SHIPS

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

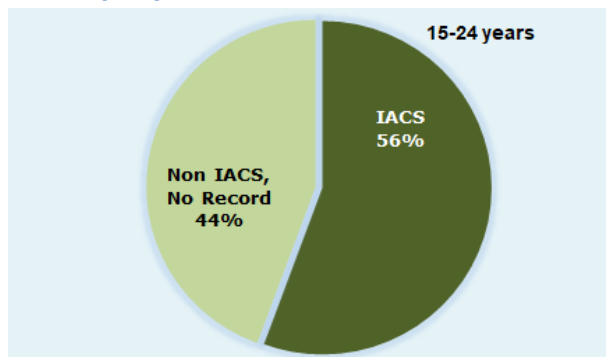
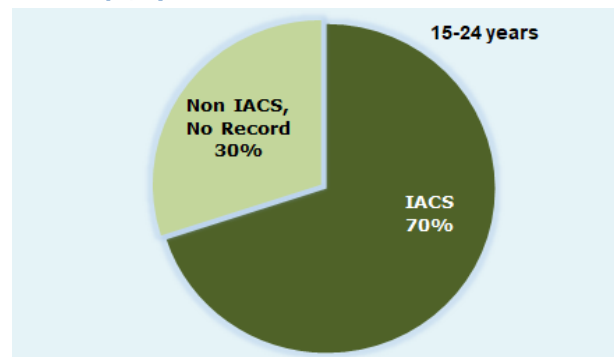
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,185	26.4%	987	27.5%	2,172	26.9%
Specialized Cargo Ships	21	0.5%			21	0.3%
Container Ships	499	11.1%	288	8.0%	787	9.7%
Ro-Ro Cargo Ships	135	3.0%	45	1.3%	180	2.2%
Bulk Carriers	520	11.6%	132	3.7%	652	8.1%
Oil and Chemical Tankers	1,014	22.6%	385	10.7%	1,399	17.3%
Gas Tankers	208	4.6%	43	1.2%	251	3.1%
Other Tankers	47	1.0%	11	0.3%	58	0.7%
Passenger Ships	229	5.1%	358	10.0%	587	7.3%
Offshore Vessels	368	8.2%	325	9.1%	693	8.6%
Service Ships	187	4.2%	208	5.8%	395	4.9%
Tugs	67	1.5%	35	1.0%	102	1.3%
Fishing Vessels	15	0.8%	771	235.8%	786	37.2%
Total	4,495	101%	3,588	314%	8,083	127%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	7,392	20.4%	3,550	22.8%	10,942	21.1%
Specialized Cargo Ships	207	0.6%			207	0.4%
Container Ships	6,012	16.6%	3,125	20.1%	9,137	17.6%
Ro-Ro Cargo Ships	1,776	4.9%	500	3.2%	2,276	4.4%
Bulk Carriers	7,732	21.3%	1,341	8.6%	9,073	17.5%
Oil and Chemical Tankers	8,386	23.1%	3,177	20.4%	11,563	22.3%
Gas Tankers	1,165	3.2%	338	2.2%	1,503	2.9%
Other Tankers	167	0.5%	15	0.1%	182	0.4%
Passenger Ships	1,486	4.1%	1,114	7.2%	2,600	5.0%
Offshore Vessels	840	2.3%	933	6.0%	1,773	3.4%
Service Ships	1,061	2.9%	472	3.0%	1,533	3.0%
Tugs	64	0.2%	27	0.2%	91	0.2%
Fishing Vessels	18	0.0%	976	8.4%	994	1.3%
Total	36,306	100%	15,568	102%	51,874	99%

Source: Equasis - IACS membership on 31/12/2019

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

15-24 YEARS OLD LARGE SHIPS

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

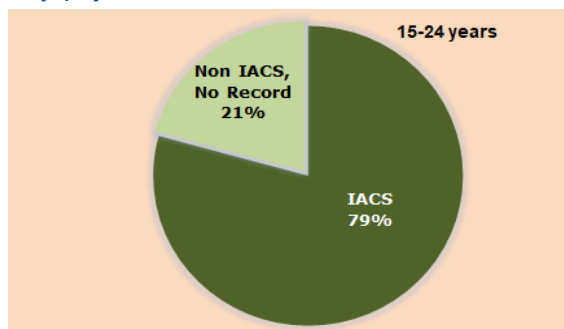
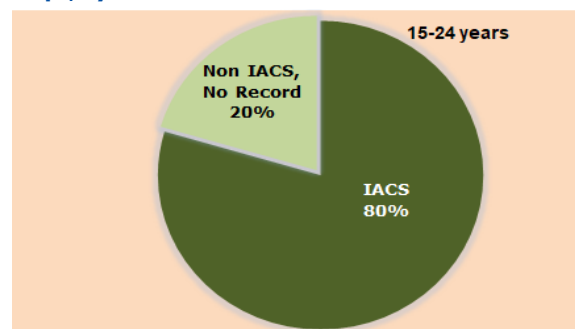
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	15	0.7%	42	7.3%	57	2.0%
Specialized Cargo Ships	10	0.5%			10	0.4%
Container Ships	227	10.2%	232	40.1%	459	16.4%
Ro-Ro Cargo Ships	148	6.7%	20	3.5%	168	6.0%
Bulk Carriers	1,032	46.6%	99	17.1%	1,131	40.5%
Oil and Chemical Tankers	632	28.5%	151	26.1%	783	28.0%
Gas Tankers	40	1.8%	12	2.1%	52	1.9%
Other Tankers	2	0.1%	2	0.3%	4	0.1%
Passenger Ships	90	4.1%	14	2.4%	104	3.7%
Offshore Vessels	15	0.7%	7	1.2%	22	0.8%
Service Ships	4	0.2%			4	0.1%
Tugs						
Fishing Vessels						
Total	2,215	100%	579	100%	2,794	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	447	0.5%	1,386	6.6%	1,833	1.8%
Specialized Cargo Ships	407	0.5%			407	0.4%
Container Ships	8,241	10.0%	8,303	39.4%	16,544	16.0%
Ro-Ro Cargo Ships	7,062	8.6%	1,048	5.0%	8,110	7.9%
Bulk Carriers	35,954	43.8%	3,256	15.4%	39,210	38.0%
Oil and Chemical Tankers	24,061	29.3%	5,769	27.4%	29,830	28.9%
Gas Tankers	1,786	2.2%	426	2.0%	2,212	2.1%
Other Tankers	56	0.1%	66	0.3%	122	0.1%
Passenger Ships	3,156	3.8%	491	2.3%	3,647	3.5%
Offshore Vessels	747	0.9%	344	1.6%	1,091	1.1%
Service Ships	137	0.2%			137	0.1%
Tugs						
Fishing Vessels						
Total	82,054	100%	21,089	100%	103,143	100%

Source: Equasis - IACS membership on 31/12/2019

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

15-24 YEARS OLD VERY LARGE SHIPS

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

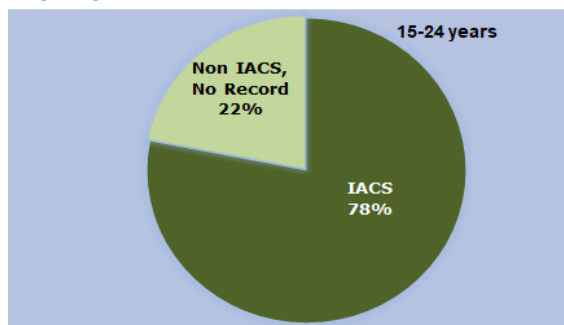
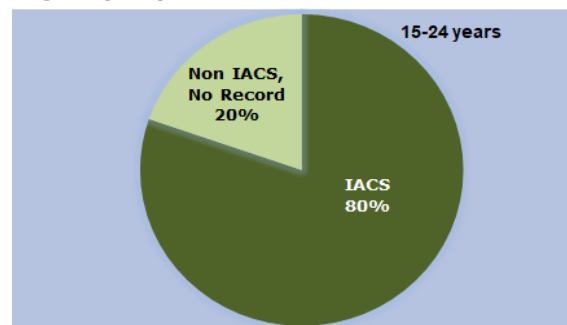
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	194	20.9%	87	33.3%	281	23.6%
Ro-Ro Cargo Ships	30	3.2%	12	4.6%	42	3.5%
Bulk Carriers	178	19.1%	5	1.9%	183	15.4%
Oil and Chemical Tankers	345	37.1%	97	37.2%	442	37.1%
Gas Tankers	84	9.0%	6	2.3%	90	7.6%
Other Tankers						
Passenger Ships	52	5.6%	24	9.2%	76	6.4%
Offshore Vessels	45	4.8%	30	11.5%	75	6.3%
Service Ships	2	0.2%			2	0.2%
Tugs						
Fishing Vessels						
Total	930	100%	261	100%	1,191	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	14,858	15.9%	6,711	29.2%	21,569	18.5%
Ro-Ro Cargo Ships	1,941	2.1%	800	3.5%	2,741	2.3%
Bulk Carriers	16,083	17.2%	476	2.1%	16,559	14.2%
Oil and Chemical Tankers	40,712	43.5%	8,882	38.6%	49,594	42.5%
Gas Tankers	8,642	9.2%	570	2.5%	9,212	7.9%
Other Tankers						
Passenger Ships	4,601	4.9%	2,247	9.8%	6,848	5.9%
Offshore Vessels	6,641	7.1%	3,295	14.3%	9,936	8.5%
Service Ships	206	0.2%			206	0.2%
Tugs						
Fishing Vessels						
Total	93,684	100%	22,981	100%	116,665	100%

Source: Equasis - IACS membership on 31/12/2019

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

25+ YEARS OLD SHIPS

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

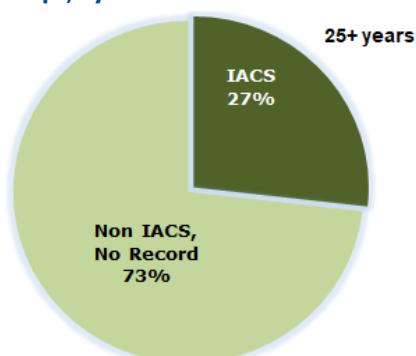
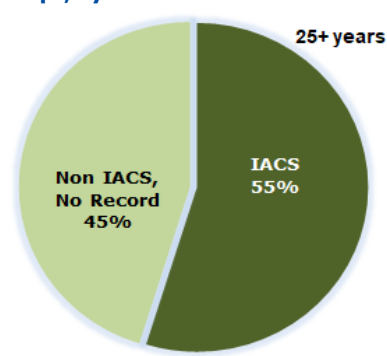
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,530	32.1%	3,897	29.9%	5,427	30.5%
Specialized Cargo Ships	74	1.6%	77	0.6%	151	0.8%
Container Ships	136	2.9%	156	1.2%	292	1.6%
Ro-Ro Cargo Ships	134	2.8%	191	1.5%	325	1.8%
Bulk Carriers	506	10.6%	317	2.4%	823	4.6%
Oil and Chemical Tankers	556	11.7%	1,689	13.0%	2,245	12.6%
Gas Tankers	156	3.3%	175	1.3%	331	1.9%
Other Tankers	76	1.6%	189	1.5%	265	1.5%
Passenger Ships	489	10.3%	1,022	7.8%	1,511	8.5%
Offshore Vessels	409	8.6%	957	7.4%	1,366	7.7%
Service Ships	443	9.3%	958	7.4%	1,401	7.9%
Tugs	170	3.6%	283	2.2%	453	2.5%
Fishing Vessels	87	1.8%	3,109	23.9%	3,196	18.0%
Total	4,766	100%	13,020	100%	17,786	100%

Source: Equasis - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	6,255	13.1%	8,972	22.8%	15,227	17.5%
Specialized Cargo Ships	1,241	2.6%	499	1.3%	1,740	2.0%
Container Ships	2,189	4.6%	2,012	5.1%	4,201	4.8%
Ro-Ro Cargo Ships	2,221	4.7%	1,177	3.0%	3,398	3.9%
Bulk Carriers	11,895	25.0%	3,776	9.6%	15,671	18.0%
Oil and Chemical Tankers	3,054	6.4%	4,602	11.7%	7,656	8.8%
Gas Tankers	3,548	7.5%	798	2.0%	4,346	5.0%
Other Tankers	135	0.3%	236	0.6%	371	0.4%
Passenger Ships	6,131	12.9%	3,854	9.8%	9,985	11.5%
Offshore Vessels	8,614	18.1%	7,140	18.2%	15,754	18.1%
Service Ships	1,945	4.1%	1,928	4.9%	3,873	4.5%
Tugs	162	0.3%	241	0.6%	403	0.5%
Fishing Vessels	226	0.5%	4,032	10.3%	4,258	4.9%
Total	47,616	100%	39,267	100%	86,883	100%

Source: Equasis - IACS membership on 31/12/2019

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

25+ YEARS OLD MEDIUM SIZED SHIPS

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

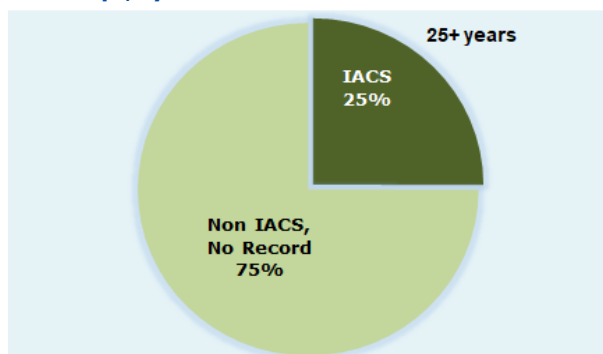
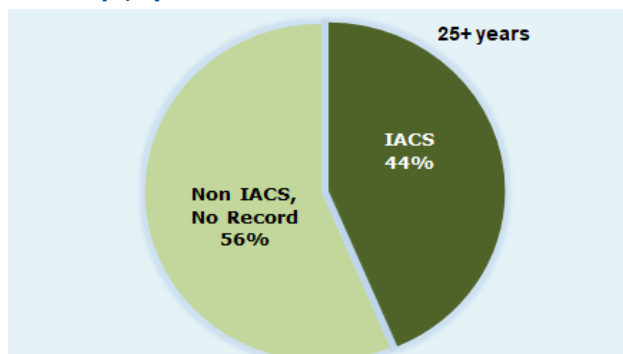
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,514	35.4%	3,882	30.3%	5,396	31.6%
Specialized Cargo Ships	49	1.1%	71	0.6%	120	0.7%
Container Ships	110	2.6%	125	1.0%	235	1.4%
Ro-Ro Cargo Ships	111	2.6%	187	1.5%	298	1.7%
Bulk Carriers	343	8.0%	270	2.1%	613	3.6%
Oil and Chemical Tankers	533	12.5%	1,674	13.1%	2,207	12.9%
Gas Tankers	111	2.6%	169	1.3%	280	1.6%
Other Tankers	76	1.8%	189	1.5%	265	1.6%
Passenger Ships	411	9.6%	989	7.7%	1,400	8.2%
Offshore Vessels	327	7.6%	899	7.0%	1,226	7.2%
Service Ships	435	10.2%	955	7.5%	1,390	8.1%
Tugs	170	4.0%	283	2.2%	453	2.7%
Fishing Vessels	86	4.8%	3,108	950.5%	3,194	151.1%
Total	4,276	103%	12,801	1026%	17,077	232%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	5,779	28.2%	8,509	32.2%	14,288	30.5%
Specialized Cargo Ships	317	1.5%	288	1.1%	605	1.3%
Container Ships	1,191	5.8%	844	3.2%	2,035	4.3%
Ro-Ro Cargo Ships	1,163	5.7%	989	3.7%	2,152	4.6%
Bulk Carriers	3,665	17.9%	1,531	5.8%	5,196	11.1%
Oil and Chemical Tankers	1,902	9.3%	3,963	15.0%	5,865	12.5%
Gas Tankers	584	2.9%	266	1.0%	850	1.8%
Other Tankers	135	0.7%	236	0.9%	371	0.8%
Passenger Ships	2,975	14.5%	2,476	9.4%	5,451	11.6%
Offshore Vessels	914	4.5%	1,311	5.0%	2,225	4.7%
Service Ships	1,484	7.3%	1,798	6.8%	3,282	7.0%
Tugs	162	0.8%	241	0.9%	403	0.9%
Fishing Vessels	194	0.3%	3,983	34.3%	4,177	5.3%
Total	20,465	99%	26,435	119%	46,900	96%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

25+ YEARS OLD LARGE SHIPS

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

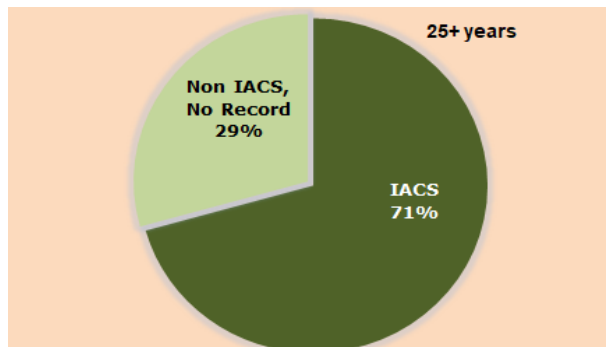
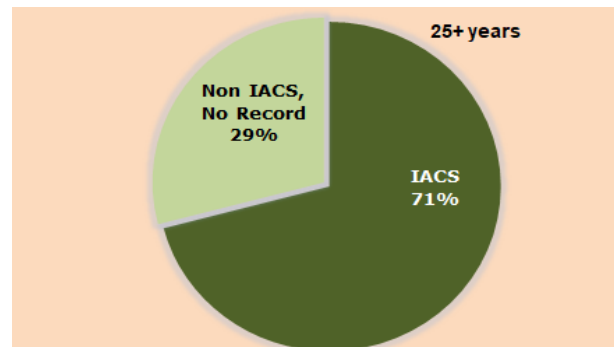
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	16	4.2%	15	9.6%	31	5.8%
Specialized Cargo Ships	25	6.6%	6	3.8%	31	5.8%
Container Ships	23	6.1%	31	19.7%	54	10.1%
Ro-Ro Cargo Ships	23	6.1%	4	2.5%	27	5.0%
Bulk Carriers	141	37.3%	40	25.5%	181	33.8%
Oil and Chemical Tankers	17	4.5%	14	8.9%	31	5.8%
Gas Tankers	26	6.9%	2	1.3%	28	5.2%
Other Tankers						
Passenger Ships	67	17.7%	29	18.5%	96	17.9%
Offshore Vessels	33	8.7%	13	8.3%	46	8.6%
Service Ships	6	1.6%	2	1.3%	8	1.5%
Tugs						
Fishing Vessels	1	0.1%	1	0.3%	2	0.1%
Total	378	100%	157	100%	535	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	476	3.4%	463	8.0%	939	4.7%
Specialized Cargo Ships	924	6.5%	211	3.6%	1,135	5.7%
Container Ships	806	5.7%	1,168	20.2%	1,974	9.9%
Ro-Ro Cargo Ships	1,058	7.5%	188	3.2%	1,246	6.3%
Bulk Carriers	4,805	34.0%	1,325	22.9%	6,130	30.8%
Oil and Chemical Tankers	676	4.8%	559	9.7%	1,235	6.2%
Gas Tankers	1,149	8.1%	88	1.5%	1,237	6.2%
Other Tankers						
Passenger Ships	2,380	16.9%	1,087	18.8%	3,467	17.4%
Offshore Vessels	1,564	11.1%	595	10.3%	2,159	10.8%
Service Ships	249	1.8%	59	1.0%	308	1.5%
Tugs						
Fishing Vessels	32	0.0%	49	0.4%	81	0.1%
Total	14,119	100%	5,792	100%	19,911	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

25+ YEARS OLD VERY LARGE SHIPS

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

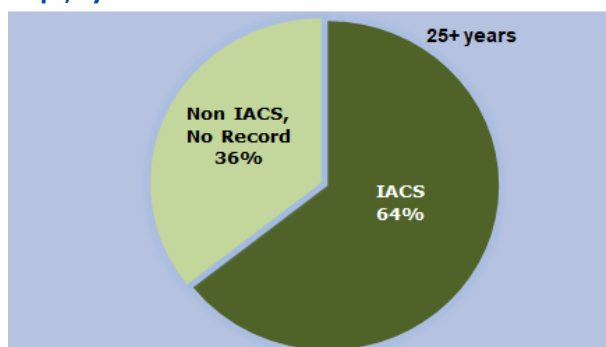
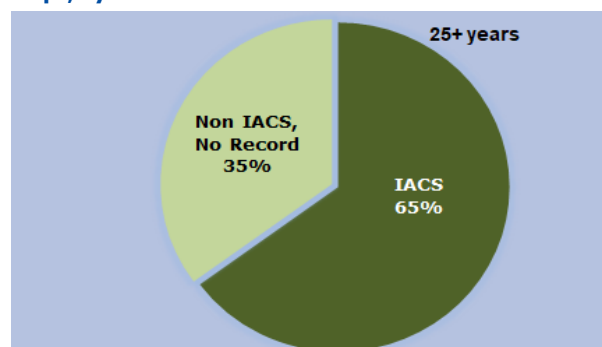
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	3	2.7%			3	1.7%
Ro-Ro Cargo Ships						
Bulk Carriers	22	19.6%	7	11.3%	29	16.7%
Oil and Chemical Tankers	6	5.4%	1	1.6%	7	4.0%
Gas Tankers	19	17.0%	4	6.5%	23	13.2%
Other Tankers						
Passenger Ships	11	9.8%	4	6.5%	15	8.6%
Offshore Vessels	49	43.8%	45	72.6%	94	54.0%
Service Ships	2	1.8%	1	1.6%	3	1.7%
Tugs						
Fishing Vessels						
Total	112	100%	62	100%	174	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	192	1.5%			192	1.0%
Ro-Ro Cargo Ships						
Bulk Carriers	3,425	26.3%	920	13.1%	4,345	21.6%
Oil and Chemical Tankers	476	3.7%	80	1.1%	556	2.8%
Gas Tankers	1,815	13.9%	444	6.3%	2,259	11.3%
Other Tankers						
Passenger Ships	776	6.0%	291	4.1%	1,067	5.3%
Offshore Vessels	6,136	47.1%	5,234	74.3%	11,370	56.6%
Service Ships	212	1.6%	71	1.0%	283	1.4%
Tugs						
Fishing Vessels						
Total	13,032	100%	7,040	100%	20,072	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

3.3. CLASS STATUS AND FLAG

WORLD FLEET GT≥500

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,951	15.5%	2,169	35.0%	4,120	3,003	13.0%	4,763	21.7%	7,766
Specialized Cargo Ships	56	0.4%	60	1.0%	116	143	0.6%	40	0.2%	183
Container Ships	1,095	8.7%	920	14.9%	2,015	2,061	8.9%	1,183	5.4%	3,244
Ro-Ro Cargo Ships	337	2.7%	147	2.4%	484	653	2.8%	299	1.4%	952
Bulk Carriers	4,679	37.1%	468	7.6%	5,147	5,340	23.1%	1,508	6.9%	6,848
Oil and Chemical Tankers	2,706	21.5%	926	14.9%	3,632	5,383	23.3%	3,058	13.9%	8,441
Gas Tankers	476	3.8%	141	2.3%	617	1,063	4.6%	333	1.5%	1,396
Other Tankers	98	0.8%	57	0.9%	155	334	1.4%	224	1.0%	558
Passenger Ships	276	2.2%	292	4.7%	568	983	4.3%	1,803	8.2%	2,786
Offshore Vessels	769	6.1%	417	6.7%	1,186	2,511	10.9%	1,941	8.8%	4,452
Service Ships	106	0.8%	220	3.6%	326	1,024	4.4%	1,451	6.6%	2,475
Tugs	49	0.4%	54	0.9%	103	480	2.1%	349	1.6%	829
Fishing Vessels	12	0.1%	323	5.2%	335	130	0.6%	5,019	22.8%	5,149
Total	12,610	100%	6,194	100%	18,804	23,108	100%	21,971	100%	45,079

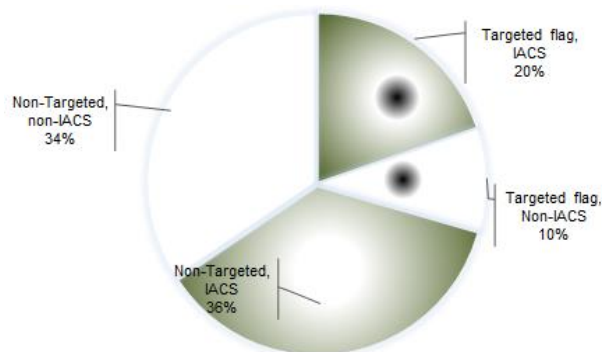
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

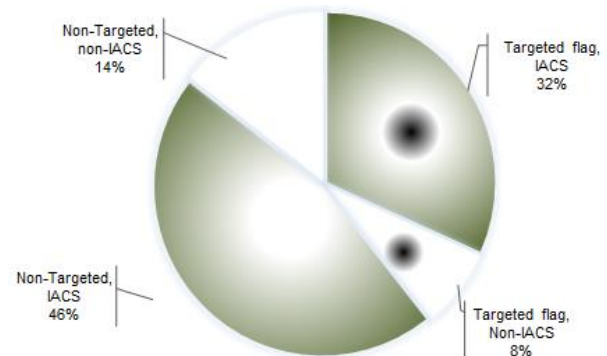
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	13,762	3.1%	7,890	7.4%	21,652	19,265	3.0%	17,243	8.5%	36,508
Specialized Cargo Ships	1,032	0.2%	290	0.3%	1,322	2,761	0.4%	582	0.3%	3,343
Container Ships	58,124	13.1%	45,699	42.9%	103,823	101,571	15.8%	41,650	20.5%	143,221
Ro-Ro Cargo Ships	15,377	3.5%	3,256	3.1%	18,633	22,993	3.6%	8,189	4.0%	31,182
Bulk Carriers	201,765	45.5%	13,427	12.6%	215,192	225,995	35.1%	37,205	18.3%	263,200
Oil and Chemical Tankers	117,163	26.4%	24,740	23.2%	141,903	173,227	26.9%	43,163	21.3%	216,390
Gas Tankers	18,779	4.2%	3,953	3.7%	22,732	47,873	7.4%	10,686	5.3%	58,559
Other Tankers	537	0.1%	238	0.2%	775	1,320	0.2%	356	0.2%	1,676
Passenger Ships	6,835	1.5%	2,729	2.6%	9,564	19,504	3.0%	13,666	6.7%	33,170
Offshore Vessels	8,720	2.0%	3,156	3.0%	11,876	24,321	3.8%	19,418	9.6%	43,739
Service Ships	1,411	0.3%	547	0.5%	1,958	5,032	0.8%	3,717	1.8%	8,749
Tugs	42	0.0%	46	0.0%	88	464	0.1%	306	0.2%	770
Fishing Vessels	37	0.0%	464	0.4%	501	290	0.0%	6,710	3.3%	7,000
Total	443,584	100%	106,435	100%	550,019	644,616	100%	202,891	100%	847,507

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

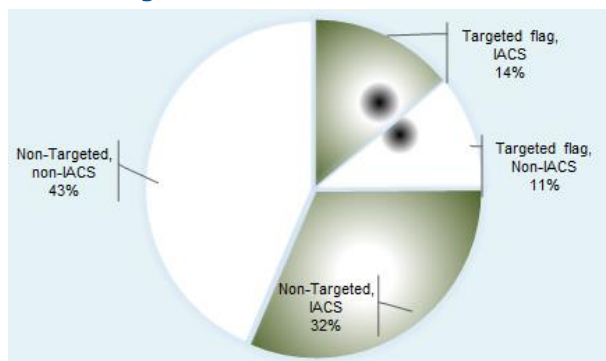
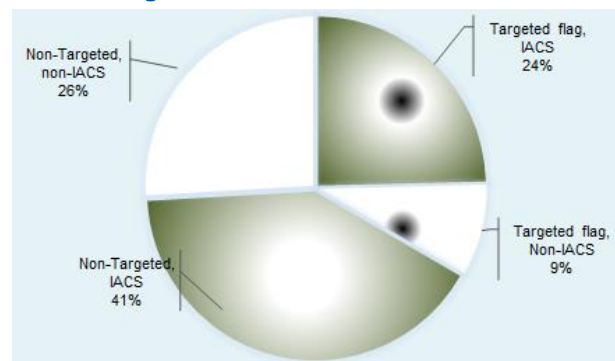
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,915	30.4%	2,152	44.1%	4,067	2,925	20.6%	4,646	23.8%	7,571
Specialized Cargo Ships	37	0.6%	59	1.2%	96	103	0.7%	30	0.2%	133
Container Ships	434	6.9%	307	6.3%	741	876	6.2%	624	3.2%	1,500
Ro-Ro Cargo Ships	72	1.1%	97	2.0%	169	277	1.9%	177	0.9%	454
Bulk Carriers	1,276	20.2%	273	5.6%	1,549	1,383	9.7%	875	4.5%	2,258
Oil and Chemical Tankers	1,187	18.8%	587	12.0%	1,774	3,077	21.7%	2,471	12.6%	5,548
Gas Tankers	249	3.9%	94	1.9%	343	570	4.0%	203	1.0%	773
Other Tankers	93	1.5%	53	1.1%	146	329	2.3%	224	1.1%	553
Passenger Ships	197	3.1%	265	5.4%	462	713	5.0%	1,698	8.7%	2,411
Offshore Vessels	689	10.9%	392	8.0%	1,081	2,338	16.5%	1,792	9.2%	4,130
Service Ships	98	1.6%	219	4.5%	317	1,006	7.1%	1,446	7.4%	2,452
Tugs	49	0.8%	54	1.1%	103	480	3.4%	349	1.8%	829
Fishing Vessels	12	0.2%	323	6.6%	335	129	0.9%	5,018	25.7%	5,147
Total	6,308	100%	4,875	100%	11,183	14,206	100%	19,553	100%	33,759

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	12,575	21.3%	7,384	35.3%	19,959	16,720	17.1%	13,231	21.3%	29,951
Specialized Cargo Ships	276	0.5%	260	1.2%	536	1,045	1.1%	186	0.3%	1,231
Container Ships	5,864	9.9%	3,919	18.7%	9,783	10,437	10.7%	6,078	9.8%	16,515
Ro-Ro Cargo Ships	933	1.6%	581	2.8%	1,514	3,277	3.4%	1,448	2.3%	4,725
Bulk Carriers	23,031	39.1%	2,478	11.8%	25,509	22,903	23.4%	8,678	14.0%	31,581
Oil and Chemical Tankers	10,042	17.0%	2,825	13.5%	12,867	22,166	22.7%	9,782	15.8%	31,948
Gas Tankers	2,207	3.7%	809	3.9%	3,016	3,253	3.3%	923	1.5%	4,176
Other Tankers	386	0.7%	113	0.5%	499	1,186	1.2%	356	0.6%	1,542
Passenger Ships	981	1.7%	594	2.8%	1,575	4,854	5.0%	5,256	8.5%	10,110
Offshore Vessels	2,082	3.5%	927	4.4%	3,009	6,789	6.9%	5,648	9.1%	12,437
Service Ships	492	0.8%	514	2.5%	1,006	4,335	4.4%	3,508	5.7%	7,843
Tugs	42	0.1%	46	0.2%	88	464	0.5%	306	0.5%	770
Fishing Vessels	37		464		501	258	0.3%	6,661	10.7%	6,919
Total	58,948	100%	20,914	98%	79,862	97,687	100%	62,061	100%	159,748

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2019

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

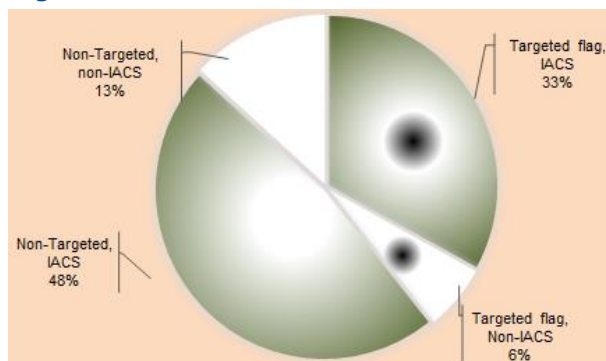
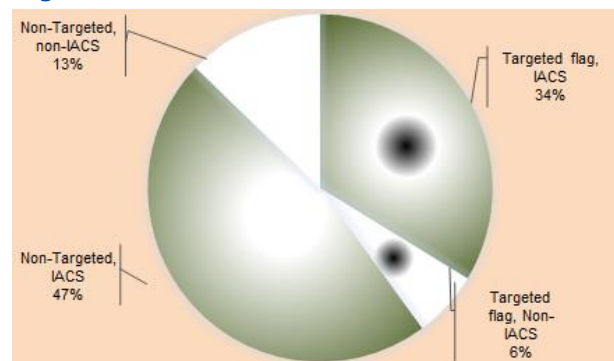
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	36	0.9%	17	2.2%	53	78	1.3%	117	7.1%	195
Specialized Cargo Ships	19	0.5%	1	0.1%	20	34	0.6%	10	0.6%	44
Container Ships	269	6.6%	365	46.7%	634	570	9.7%	351	21.3%	921
Ro-Ro Cargo Ships	187	4.6%	30	3.8%	217	257	4.4%	90	5.5%	347
Bulk Carriers	2,556	62.3%	137	17.5%	2,693	3,162	53.7%	555	33.6%	3,717
Oil and Chemical Tankers	840	20.5%	178	22.8%	1,018	1,343	22.8%	365	22.1%	1,708
Gas Tankers	122	3.0%	28	3.6%	150	168	2.9%	71	4.3%	239
Other Tankers	5	0.1%	4	0.5%	9	5	0.1%			5
Passenger Ships	34	0.8%	11	1.4%	45	193	3.3%	49	3.0%	242
Offshore Vessels	30	0.7%	9	1.2%	39	64	1.1%	37	2.2%	101
Service Ships	4	0.1%	1	0.1%	5	17	0.3%	4	0.2%	21
Tugs										
Fishing Vessels						1	0.0%	1		2
Total	4,102	100%	781	100%	4,883	5,892	100%	1,650	100%	7,542

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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	1,187	0.8%	506	1.7%	1,693	2,545	1.2%	4,012	6.7%	6,557
Specialized Cargo Ships	756	0.5%	30	0.1%	786	1,278	0.6%	396	0.7%	1,674
Container Ships	10,278	6.5%	13,528	46.5%	23,806	22,140	10.0%	12,696	21.2%	34,836
Ro-Ro Cargo Ships	9,337	5.9%	1,321	4.5%	10,658	11,674	5.3%	4,519	7.5%	16,193
Bulk Carriers	96,678	61.3%	5,287	18.2%	101,965	118,350	53.6%	19,056	31.8%	137,406
Oil and Chemical Tankers	31,569	20.0%	6,373	21.9%	37,942	46,513	21.1%	12,508	20.9%	59,021
Gas Tankers	5,007	3.2%	1,119	3.8%	6,126	7,617	3.4%	3,145	5.2%	10,762
Other Tankers	151	0.1%	125	0.4%	276	134	0.1%			134
Passenger Ships	1,061	0.7%	423	1.5%	1,484	7,086	3.2%	1,771	3.0%	8,857
Offshore Vessels	1,405	0.9%	378	1.3%	1,783	2,941	1.3%	1,685	2.8%	4,626
Service Ships	163	0.1%	33	0.1%	196	633	0.3%	138	0.2%	771
Tugs										
Fishing Vessels						32	0.0%	49		81
Total	157,592	100%	29,123	100%	186,715	220,943	100%	59,975	100%	280,918

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2019

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

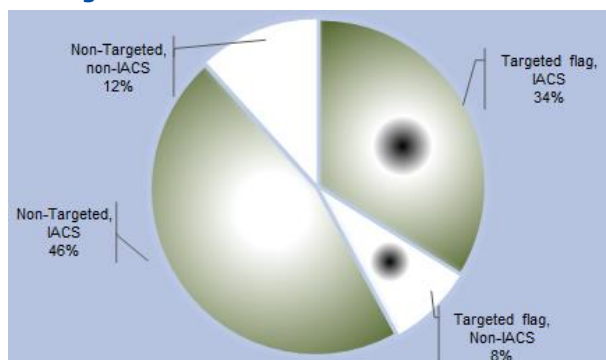
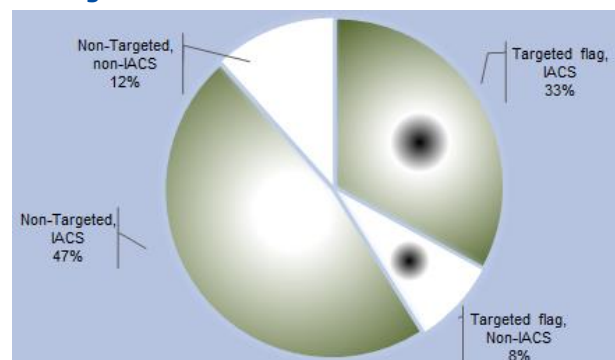
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						6	0.2%			6
Container Ships	392	17.8%	248	46.1%	640	615	20.4%	208	27.1%	823
Ro-Ro Cargo Ships	78	3.5%	20	3.7%	98	119	4.0%	32	4.2%	151
Bulk Carriers	847	38.5%	58	10.8%	905	795	26.4%	78	10.2%	873
Oil and Chemical Tankers	679	30.9%	161	29.9%	840	963	32.0%	222	28.9%	1,185
Gas Tankers	105	4.8%	19	3.5%	124	325	10.8%	59	7.7%	384
Other Tankers										
Passenger Ships	45	2.0%	16	3.0%	61	77	2.6%	56	7.3%	133
Offshore Vessels	50	2.3%	16	3.0%	66	109	3.6%	112	14.6%	221
Service Ships	4	0.2%			4	1	0.0%	1	0.1%	2
Tugs										
Fishing Vessels										
Total	2,200	100%	538	100%	2,738	3,010	100%	768	100%	3,778

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2019

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships										
Specialized Cargo Ships						438	0.1%			438
Container Ships	41,982	18.5%	28,252	50.1%	70,234	68,994	21.2%	22,876	28.3%	91,870
Ro-Ro Cargo Ships	5,107	2.2%	1,354	2.4%	6,461	8,042	2.5%	2,222	2.7%	10,264
Bulk Carriers	82,056	36.1%	5,662	10.0%	87,718	84,742	26.0%	9,471	11.7%	94,213
Oil and Chemical Tankers	75,552	33.3%	15,542	27.6%	91,094	104,548	32.1%	20,873	25.8%	125,421
Gas Tankers	11,565	5.1%	2,025	3.6%	13,590	37,003	11.4%	6,618	8.2%	43,621
Other Tankers										
Passenger Ships	4,793	2.1%	1,712	3.0%	6,505	7,564	2.3%	6,639	8.2%	14,203
Offshore Vessels	5,233	2.3%	1,851	3.3%	7,084	14,591	4.5%	12,085	14.9%	26,676
Service Ships	756	0.3%			756	64	0.0%	71	0.1%	135
Tugs										
Fishing Vessels										
Total	227,044	100%	56,398	100%	283,442	325,986	100%	80,855	100%	406,841

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2019

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 - 2019

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.36%	6.58%	4.48%
Specialized Cargo Ships	2.95%	2.64%	2.84%
Container Ships	1.49%	1.74%	1.59%
Ro-Ro Cargo Ships	1.03%	4.22%	1.78%
Bulk Carriers	2.20%	3.05%	2.28%
Oil and Chemical Tankers	1.27%	1.92%	1.39%
Gas Tankers	1.09%	1.24%	1.12%
Other Tankers	3.12%	7.55%	3.62%
Passenger Ships	1.03%	0.98%	1.02%
Offshore Vessels	2.94%	1.16%	2.10%
Service Ships	0.32%	4.44%	1.57%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	0.00%	3.41%	2.31%
Total	2.07%	3.64%	2.42%

Source: Equasis - IACS membership on 31/12/2019 - ^(*) 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 - 2019

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.40%	7.00%	4.61%
Specialized Cargo Ships	3.96%	2.73%	3.47%
Container Ships	1.50%	2.29%	1.78%
Ro-Ro Cargo Ships	4.17%	11.39%	7.30%
Bulk Carriers	2.48%	3.15%	2.57%
Oil and Chemical Tankers	1.63%	2.51%	1.76%
Gas Tankers	1.80%	2.46%	1.92%
Other Tankers	3.24%	7.50%	3.63%
Passenger Ships	2.01%	2.17%	2.05%
Offshore Vessels	3.02%	1.20%	2.14%
Service Ships	0.34%	4.51%	1.64%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	0.00%	3.41%	2.31%
Total	2.58%	5.03%	3.22%

Source: Equasis - IACS membership on 31/12/2019 - ^(*) 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 - 2019

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	2.10%	1.53%	1.77%
Specialized Cargo Ships	0.00%	0.00%	0.00%
Container Ships	2.27%	1.72%	2.00%
Ro-Ro Cargo Ships	0.66%	1.38%	0.79%
Bulk Carriers	1.86%	2.66%	1.92%
Oil and Chemical Tankers	1.16%	1.88%	1.31%
Gas Tankers	0.85%	0.55%	0.77%
Other Tankers	0.00%	7.69%	3.45%
Passenger Ships	0.62%	0.93%	0.68%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
Fishing Vessels			
Total	1.65%	1.89%	1.69%

Source: Equasis - IACS membership on 31/12/2019 - ^(*) 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 - 2019

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.99%	1.21%	1.06%
Ro-Ro Cargo Ships	0.46%	0.58%	0.48%
Bulk Carriers	3.11%	4.31%	3.20%
Oil and Chemical Tankers	0.55%	1.00%	0.64%
Gas Tankers	0.00%	0.00%	0.00%
Other Tankers			
Passenger Ships	0.27%	0.00%	0.17%
Offshore Vessels	2.94%	0.00%	2.33%
Service Ships	0.00%		0.00%
Tugs			
Fishing Vessels			
Total	1.51%	1.28%	1.46%

Source: Equasis - IACS membership on 31/12/2019 - ^(*) 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. Thirteen P&I Clubs of the International Group (IGP&I) provide to Equasis information on all of the vessels with IMO numbers insured by them. Some of the Clubs have affiliated and reinsured subsidiary associations:

- American Steamship Owners Mutual Protection and Indemnity Association, Inc;
- Assuranceforeningen Gard – Norway;
- Assuranceforeningen Skuld – Norway;
- Britannia Steam Ship Insurance Association Limited (The);
- 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;
- The Steamship Mutual Underwriting Association (Bermuda) Limited;
- The Swedish Club;
- United Kingdom Mutual Steam Ship Assurance Association (Bermuda) Limited; and
- The West of England Ship Owners Mutual Insurance Association (Luxembourg).

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

The following tables show the proportion of the fleet, in each ship size and ship type, which is registered with the clubs in

the IGP&I (column headed IGP&I), compared to the proportion of ships (column headed Non IGP&I) which are either:

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

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

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

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 93% 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 69% 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 15% of the IGP&I fleet is under 5 years old and only 10% is over 25 years old.

In table 83, of the younger fleet, 0-4 years of age, the majority of ships insured by IGP&I are bulk carriers (32.4%).

This majority is more marked in the large ship size category of the younger fleet (61.5%).

In table 87 This trend is more marked in the large ship size category of the younger fleet (59.4%).

For non-IGP&I members the trend is reversed, in table 91 with only 7.4 % of the fleet under 5 years old being insured by non-IGP&I members in comparison to table 95 in which 46.8% of the fleet over 25 years old. Table 91 shows that 47.9% of the older fleet insured by non-IGP&I members are general cargo ships.

Table 107 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2019, compared to the one of those that are members (6.4% compared with 1.74%, respectively).

4.1. P&I STATUS

WORLD FLEET GT≥500

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	4,053	10.8%	7,833	29.7%	11,886	18.6%
Specialized Cargo Ships	165	0.4%	134	0.5%	299	0.5%
Container Ships	4,630	12.3%	629	2.4%	5,259	8.2%
Ro-Ro Cargo Ships	1,052	2.8%	384	1.5%	1,436	2.2%
Bulk Carriers	10,086	26.9%	1,909	7.2%	11,995	18.8%
Oil and Chemical Tankers	8,637	23.0%	3,436	13.0%	12,073	18.9%
Gas Tankers	1,607	4.3%	406	1.5%	2,013	3.2%
Other Tankers	387	1.0%	326	1.2%	713	1.1%
Passenger Ships	1,254	3.3%	2,100	8.0%	3,354	5.3%
Offshore Vessels	3,596	9.6%	2,042	7.7%	5,638	8.8%
Service Ships	778	2.1%	2,023	7.7%	2,801	4.4%
Tugs	414	1.1%	518	2.0%	932	1.5%
Fishing Vessels	846	2.3%	4,638	17.6%	5,484	8.6%
Total	37,505	100%	26,378	100%	63,883	100%

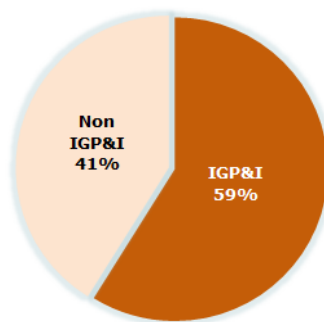
Source: Equasis

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

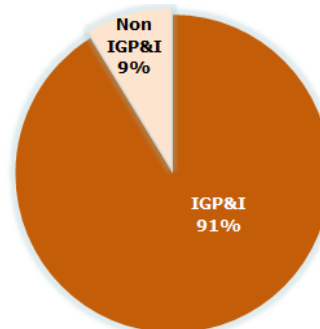
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	35,439	2.8%	22,722	18.1%	58,161	4.2%
Specialized Cargo Ships	3,783	0.3%	883	0.7%	4,666	0.3%
Container Ships	238,473	18.8%	8,573	6.8%	247,046	17.7%
Ro-Ro Cargo Ships	46,229	3.6%	3,586	2.9%	49,815	3.6%
Bulk Carriers	448,307	35.3%	30,085	23.9%	478,392	34.2%
Oil and Chemical Tankers	332,325	26.1%	25,969	20.7%	358,294	25.6%
Gas Tankers	79,470	6.2%	1,821	1.4%	81,291	5.8%
Other Tankers	1,924	0.2%	528	0.4%	2,452	0.2%
Passenger Ships	35,540	2.8%	7,193	5.7%	42,733	3.1%
Offshore Vessels	42,672	3.4%	12,943	10.3%	55,615	4.0%
Service Ships	5,418	0.4%	5,292	4.2%	10,710	0.8%
Tugs	390	0.0%	467	0.4%	857	0.1%
Fishing Vessels	1,820	0.1%	5,681	4.5%	7,501	0.5%
Total	1,271,790	100%	125,743	100%	1,397,533	100%

Source: Equasis

Graph 70 - Number of ships GT≥500, by P&I status



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



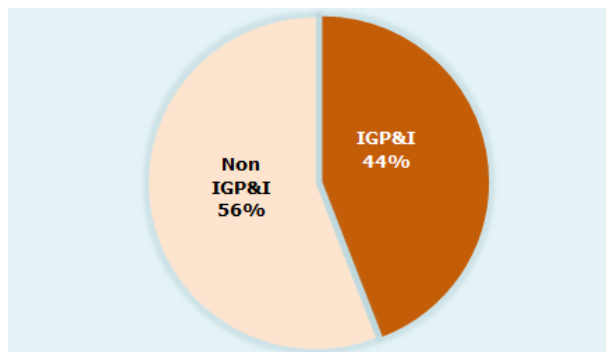
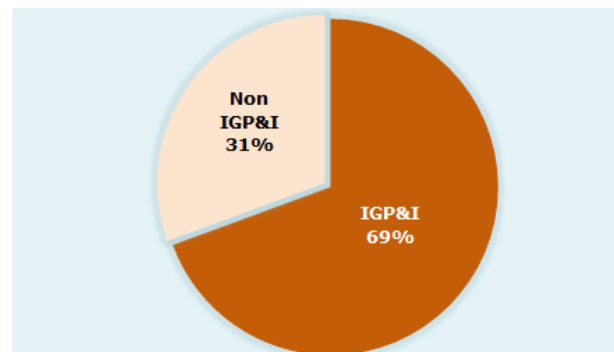
MEDIUM SIZED SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	3,821	19.5%	7,817	30.8%	11,638	25.9%
Specialized Cargo Ships	99	0.5%	130	0.5%	229	0.5%
Container Ships	1,721	8.8%	520	2.1%	2,241	5.0%
Ro-Ro Cargo Ships	258	1.3%	365	1.4%	623	1.4%
Bulk Carriers	2,430	12.4%	1,377	5.4%	3,807	8.5%
Oil and Chemical Tankers	4,077	20.8%	3,245	12.8%	7,322	16.3%
Gas Tankers	727	3.7%	389	1.5%	1,116	2.5%
Other Tankers	374	1.9%	325	1.3%	699	1.6%
Passenger Ships	791	4.0%	2,082	8.2%	2,873	6.4%
Offshore Vessels	3,286	16.8%	1,925	7.6%	5,211	11.6%
Service Ships	752	3.8%	2,017	8.0%	2,769	6.2%
Tugs	414	2.1%	518	2.0%	932	2.1%
Fishing Vessels	846	4.3%	4,636	18.3%	5,482	12.2%
Total	19,596	100%	25,346	100%	44,942	100%

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	27,655	16.6%	22,256	30.4%	49,911	20.8%
Specialized Cargo Ships	1,125	0.7%	642	0.9%	1,767	0.7%
Container Ships	22,554	13.6%	3,745	5.1%	26,299	11.0%
Ro-Ro Cargo Ships	3,574	2.1%	2,665	3.6%	6,239	2.6%
Bulk Carriers	45,599	27.4%	11,491	15.7%	57,090	23.8%
Oil and Chemical Tankers	35,232	21.2%	9,584	13.1%	44,816	18.7%
Gas Tankers	6,270	3.8%	922	1.3%	7,192	3.0%
Other Tankers	1,542	0.9%	499	0.7%	2,041	0.9%
Passenger Ships	5,136	3.1%	6,549	8.9%	11,685	4.9%
Offshore Vessels	11,561	7.0%	3,885	5.3%	15,446	6.4%
Service Ships	3,858	2.3%	4,992	6.8%	8,850	3.7%
Tugs	390	0.2%	467	0.6%	857	0.4%
Fishing Vessels	1,820	1.1%	5,600	7.6%	7,420	3.1%
Total	166,316	100%	73,297	100%	239,613	100%

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

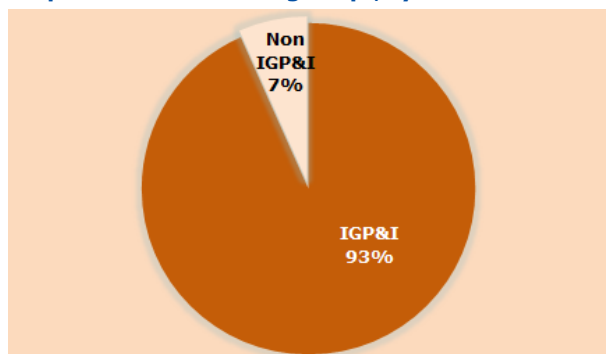
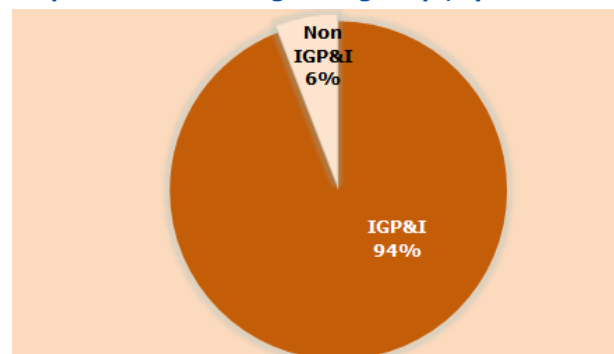
LARGE SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	232	2.0%	16	1.9%	248	2.0%
Specialized Cargo Ships	63	0.5%	1	0.1%	64	0.5%
Container Ships	1,456	12.6%	99	12.0%	1,555	12.5%
Ro-Ro Cargo Ships	547	4.7%	17	2.1%	564	4.5%
Bulk Carriers	5,897	50.8%	513	62.0%	6,410	51.6%
Oil and Chemical Tankers	2,634	22.7%	92	11.1%	2,726	21.9%
Gas Tankers	374	3.2%	15	1.8%	389	3.1%
Other Tankers	13	0.1%	1	0.1%	14	0.1%
Passenger Ships	269	2.3%	18	2.2%	287	2.3%
Offshore Vessels	91	0.8%	49	5.9%	140	1.1%
Service Ships	21	0.2%	5	0.6%	26	0.2%
Tugs						
Fishing Vessels			2	0.2%	2	0.0%
Total	11,597	100%	828	100%	12,425	100%

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	7,784	1.8%	466	1.6%	8,250	1.8%
Specialized Cargo Ships	2,421	0.6%	40	0.1%	2,461	0.5%
Container Ships	55,058	12.6%	3,585	12.3%	58,643	12.5%
Ro-Ro Cargo Ships	26,075	5.9%	776	2.7%	26,851	5.7%
Bulk Carriers	222,569	50.8%	16,802	57.8%	239,371	51.2%
Oil and Chemical Tankers	93,416	21.3%	3,548	12.2%	96,964	20.7%
Gas Tankers	16,221	3.7%	667	2.3%	16,888	3.6%
Other Tankers	382	0.1%	29	0.1%	411	0.1%
Passenger Ships	9,697	2.2%	644	2.2%	10,341	2.2%
Offshore Vessels	4,188	1.0%	2,221	7.6%	6,409	1.4%
Service Ships	739	0.2%	229	0.8%	968	0.2%
Tugs						
Fishing Vessels			81	0.3%	81	0.0%
Total	438,550	100%	29,088	100%	467,638	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**

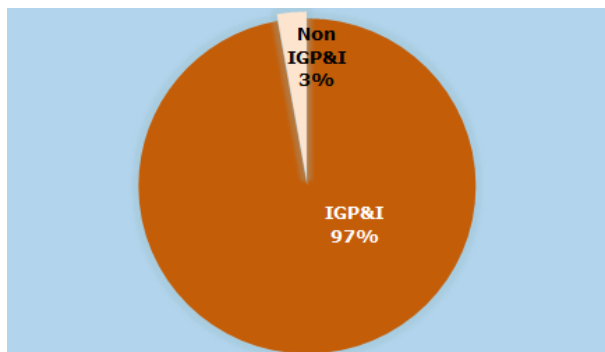
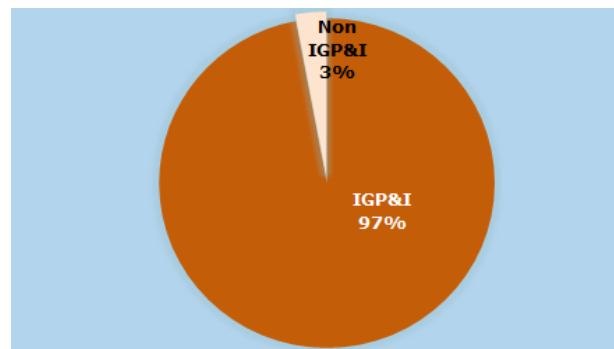
VERY LARGE SHIPS

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%	3	1.5%	6	0.1%
Container Ships	1,453	23.0%	10	4.9%	1,463	22.5%
Ro-Ro Cargo Ships	247	3.9%	2	1.0%	249	3.8%
Bulk Carriers	1,759	27.9%	19	9.3%	1,778	27.3%
Oil and Chemical Tankers	1,926	30.5%	99	48.5%	2,025	31.1%
Gas Tankers	506	8.0%	2	1.0%	508	7.8%
Other Tankers						
Passenger Ships	194	3.1%			194	3.0%
Offshore Vessels	219	3.5%	68	33.3%	287	4.4%
Service Ships	5	0.1%	1	0.5%	6	0.1%
Tugs						
Fishing Vessels						
Total	6,312	100%	204	100%	6,516	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%	201	0.9%	438	0.1%
Container Ships	160,861	24.1%	1,243	5.3%	162,104	23.5%
Ro-Ro Cargo Ships	16,580	2.5%	145	0.6%	16,725	2.4%
Bulk Carriers	180,139	27.0%	1,792	7.7%	181,931	26.4%
Oil and Chemical Tankers	203,677	30.5%	12,837	55.0%	216,514	31.4%
Gas Tankers	56,979	8.5%	232	1.0%	57,211	8.3%
Other Tankers						
Passenger Ships	20,707	3.1%			20,707	3.0%
Offshore Vessels	26,923	4.0%	6,837	29.3%	33,760	4.9%
Service Ships	821	0.1%	71	0.3%	892	0.1%
Tugs						
Fishing Vessels						
Total	666,924	100%	23,358	100%	690,282	100%

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

4.2. IGP&I AND AGE

WORLD FLEET GT≥500

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	349	6.2%	1,915	9.5%	946	12.0%	843	22.3%	4,053	10.8%
Specialized Cargo Ships	26	0.5%	61	0.3%	27	0.3%	51	1.3%	165	0.4%
Container Ships	553	9.8%	2,598	12.9%	1,311	16.6%	168	4.4%	4,630	12.3%
Ro-Ro Cargo Ships	89	1.6%	542	2.7%	308	3.9%	113	3.0%	1,052	2.8%
Bulk Carriers	1,837	32.4%	6,368	31.6%	1,546	19.5%	335	8.9%	10,086	26.9%
Oil and Chemical Tankers	1,550	27.4%	4,497	22.3%	2,147	27.1%	443	11.7%	8,637	23.0%
Gas Tankers	404	7.1%	782	3.9%	312	3.9%	109	2.9%	1,607	4.3%
Other Tankers	93	1.6%	192	1.0%	43	0.5%	59	1.6%	387	1.0%
Passenger Ships	135	2.4%	254	1.3%	383	4.8%	482	12.7%	1,254	3.3%
Offshore Vessels	394	7.0%	2,337	11.6%	531	6.7%	334	8.8%	3,596	9.6%
Service Ships	64	1.1%	269	1.3%	133	1.7%	312	8.3%	778	2.1%
Tugs	60	1.1%	203	1.0%	54	0.7%	97	2.6%	414	1.1%
Fishing Vessels	111	2.0%	133	0.7%	167	2.1%	435	11.5%	846	2.3%
Total	5,665	100%	20,151	100%	7,908	100%	3,781	100%	37,505	100%

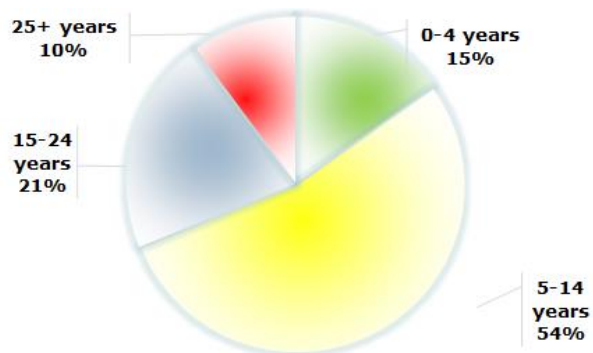
Source: Equasis

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

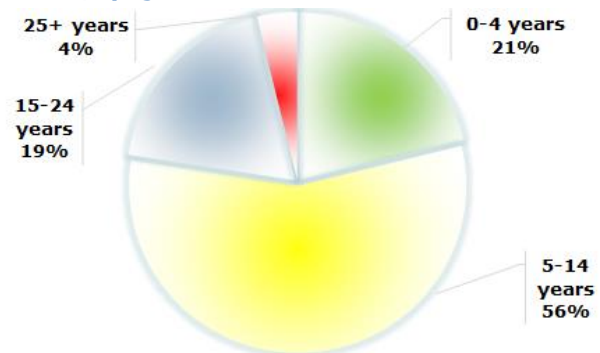
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	4,507	1.7%	19,230	2.7%	7,699	3.2%	4,002	8.2%	35,438	2.8%
Specialized Cargo Ships	684	0.3%	1,223	0.2%	585	0.2%	1,292	2.6%	3,784	0.3%
Container Ships	46,137	17.1%	144,392	20.2%	44,522	18.7%	3,423	7.0%	238,474	18.8%
Ro-Ro Cargo Ships	5,286	2.0%	26,759	3.7%	12,090	5.1%	2,094	4.3%	46,229	3.6%
Bulk Carriers	92,409	34.3%	288,318	40.3%	56,658	23.8%	10,921	22.3%	448,306	35.3%
Oil and Chemical Tankers	80,922	30.1%	169,191	23.6%	79,721	33.5%	2,491	5.1%	332,325	26.1%
Gas Tankers	25,865	9.6%	37,718	5.3%	12,542	5.3%	3,345	6.8%	79,470	6.2%
Other Tankers	597	0.2%	973	0.1%	238	0.1%	116	0.2%	1,924	0.2%
Passenger Ships	6,106	2.3%	10,587	1.5%	11,790	5.0%	7,056	14.4%	35,539	2.8%
Offshore Vessels	5,867	2.2%	14,597	2.0%	10,533	4.4%	11,674	23.9%	42,671	3.4%
Service Ships	433	0.2%	2,227	0.3%	1,256	0.5%	1,501	3.1%	5,417	0.4%
Tugs	53	0.0%	194	0.0%	50	0.0%	93	0.2%	390	0.0%
Fishing Vessels	281	0.1%	298	0.0%	357	0.1%	884	1.8%	1,820	0.1%
Total	269,147	100%	715,707	100%	238,041	100%	48,892	100%	1,271,787	100%

Source: Equasis

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



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



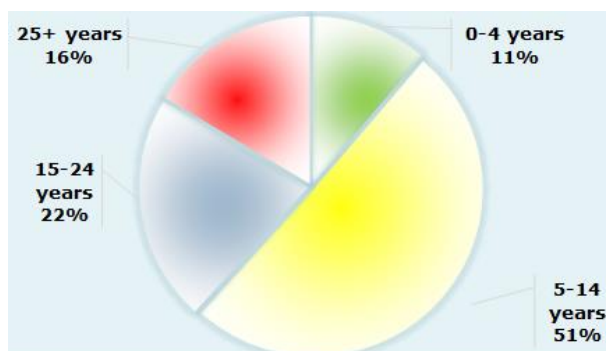
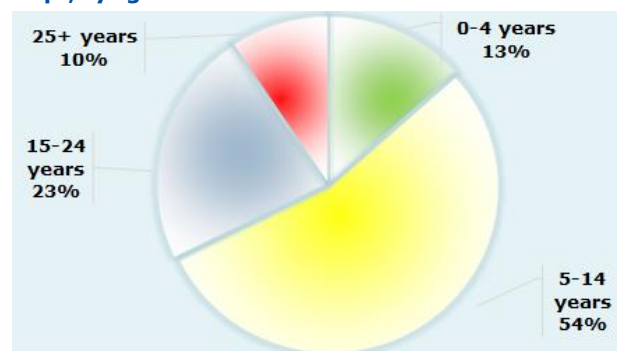
MEDIUM SIZED SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	300	13.7%	1,806	18.2%	899	20.9%	816	25.4%	3,821	19.5%
Specialized Cargo Ships	14	0.6%	47	0.5%	17	0.4%	21	0.7%	99	0.5%
Container Ships	186	8.5%	811	8.2%	610	14.2%	114	3.5%	1,721	8.8%
Ro-Ro Cargo Ships	7	0.3%	57	0.6%	107	2.5%	87	2.7%	258	1.3%
Bulk Carriers	298	13.6%	1,538	15.5%	409	9.5%	185	5.8%	2,430	12.4%
Oil and Chemical Tankers	519	23.7%	2,099	21.2%	1,034	24.1%	425	13.2%	4,077	20.8%
Gas Tankers	97	4.4%	387	3.9%	174	4.1%	69	2.1%	727	3.7%
Other Tankers	88	4.0%	187	1.9%	40	0.9%	59	1.8%	374	1.9%
Passenger Ships	84	3.8%	128	1.3%	204	4.8%	375	11.7%	791	4.0%
Offshore Vessels	361	16.5%	2,246	22.7%	450	10.5%	229	7.1%	3,286	16.8%
Service Ships	64	2.9%	257	2.6%	127	3.0%	304	9.5%	752	3.8%
Tugs	60	2.7%	203	2.1%	54	1.3%	97	3.0%	414	2.1%
Fishing Vessels	111	5.1%	133	1.3%	167	3.9%	435	13.5%	846	4.3%
Total	2,189	100%	9,899	100%	4,292	100%	3,216	100%	19,596	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,874	12.9%	15,456	17.1%	6,144	16.2%	3,180	20.4%	27,654	16.6%
Specialized Cargo Ships	164	0.7%	586	0.6%	178	0.5%	197	1.3%	1,125	0.7%
Container Ships	2,783	12.5%	10,569	11.7%	7,845	20.6%	1,358	8.7%	22,555	13.6%
Ro-Ro Cargo Ships	97	0.4%	903	1.0%	1,678	4.4%	896	5.7%	3,574	2.1%
Bulk Carriers	6,392	28.7%	30,020	33.2%	6,781	17.8%	2,406	15.4%	45,599	27.4%
Oil and Chemical Tankers	5,141	23.1%	18,405	20.4%	10,023	26.4%	1,663	10.6%	35,232	21.2%
Gas Tankers	1,207	5.4%	3,430	3.8%	1,302	3.4%	331	2.1%	6,270	3.8%
Other Tankers	461	2.1%	820	0.9%	145	0.4%	116	0.7%	1,542	0.9%
Passenger Ships	481	2.2%	676	0.7%	1,325	3.5%	2,654	17.0%	5,136	3.1%
Offshore Vessels	1,901	8.5%	7,625	8.4%	1,287	3.4%	748	4.8%	11,561	7.0%
Service Ships	433	1.9%	1,421	1.6%	913	2.4%	1,091	7.0%	3,858	2.3%
Tugs	53	0.2%	194	0.2%	50	0.1%	93	0.6%	390	0.2%
Fishing Vessels	281	1.3%	298	0.3%	357	0.9%	884	5.7%	1,820	1.1%
Total	22,268	100%	90,403	100%	38,028	100%	15,617	100%	166,316	100%

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

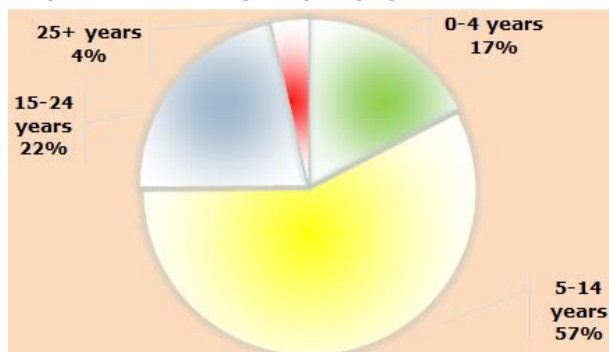
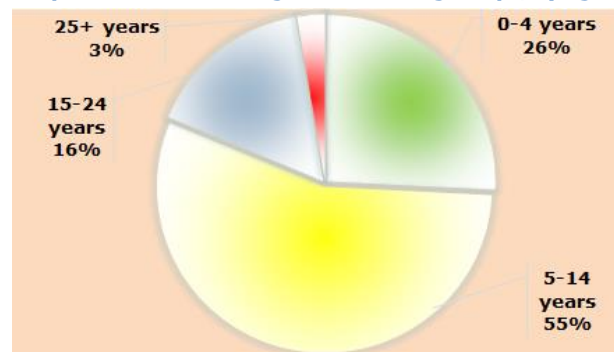
LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	49	2.4%	109	1.6%	47	1.9%	27	6.5%	232	2.0%
Specialized Cargo Ships	11	0.5%	12	0.2%	10	0.4%	30	7.2%	63	0.5%
Container Ships	110	5.5%	875	13.1%	420	16.8%	51	12.3%	1,456	12.6%
Ro-Ro Cargo Ships	23	1.1%	339	5.1%	159	6.4%	26	6.3%	547	4.7%
Bulk Carriers	1,196	59.4%	3,622	54.3%	956	38.2%	123	29.7%	5,897	50.8%
Oil and Chemical Tankers	440	21.8%	1,450	21.7%	730	29.2%	14	3.4%	2,634	22.7%
Gas Tankers	157	7.8%	152	2.3%	48	1.9%	17	4.1%	374	3.2%
Other Tankers	5	0.2%	5	0.1%	3	0.1%			13	0.1%
Passenger Ships	18	0.9%	56	0.8%	103	4.1%	92	22.2%	269	2.3%
Offshore Vessels	6	0.3%	37	0.6%	20	0.8%	28	6.8%	91	0.8%
Service Ships			11	0.2%	4	0.2%	6	1.4%	21	0.2%
Tugs										
Fishing Vessels										
Total	2,015	100%	6,668	100%	2,500	100%	414	100%	11,597	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	85	0.0%	153	0.0%					238	0.0%
Container Ships	39,768	23.1%	99,332	26.8%	21,569	20.1%	192	1.1%	160,861	24.1%
Ro-Ro Cargo Ships	4,249	2.5%	9,590	2.6%	2,741	2.6%			16,580	2.5%
Bulk Carriers	39,866	23.2%	119,690	32.3%	16,383	15.3%	4,200	23.6%	180,139	27.0%
Oil and Chemical Tankers	61,450	35.7%	100,032	27.0%	41,874	39.1%	321	1.8%	203,677	30.5%
Gas Tankers	18,036	10.5%	27,472	7.4%	9,212	8.6%	2,259	12.7%	56,979	8.5%
Other Tankers										
Passenger Ships	4,867	2.8%	7,925	2.1%	6,848	6.4%	1,067	6.0%	20,707	3.1%
Offshore Vessels	3,754	2.2%	5,419	1.5%	8,233	7.7%	9,517	53.6%	26,923	4.0%
Service Ships			403	0.1%	206	0.2%	212	1.2%	821	0.1%
Tugs										
Fishing Vessels										
Total	172,075	100%	370,016	100%	107,066	100%	17,768	100%	666,925	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**

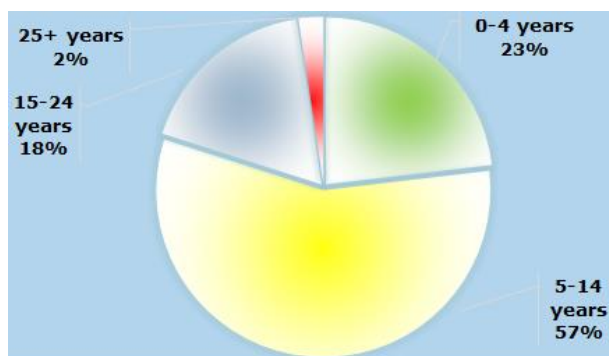
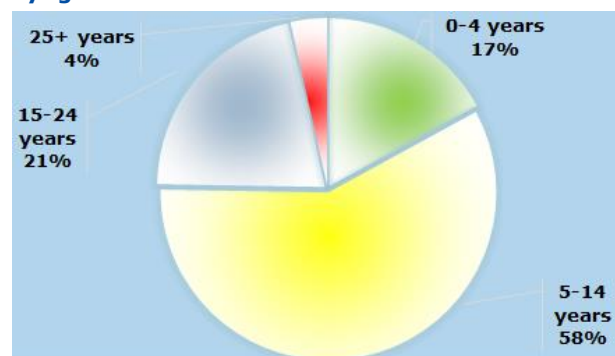
VERY LARGE SHIPS

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	257	17.6%	912	25.4%	281	25.2%	3	2.0%	1,453	23.0%
Ro-Ro Cargo Ships	59	4.0%	146	4.1%	42	3.8%			247	3.9%
Bulk Carriers	343	23.5%	1,208	33.7%	181	16.2%	27	17.9%	1,759	27.9%
Oil and Chemical Tankers	591	40.5%	948	26.5%	383	34.3%	4	2.6%	1,926	30.5%
Gas Tankers	150	10.3%	243	6.8%	90	8.1%	23	15.2%	506	8.0%
Other Tankers										
Passenger Ships	33	2.3%	70	2.0%	76	6.8%	15	9.9%	194	3.1%
Offshore Vessels	27	1.8%	54	1.5%	61	5.5%	77	51.0%	219	3.5%
Service Ships			1	0.0%	2	0.2%	2	1.3%	5	0.1%
Tugs										
Fishing Vessels										
Total	1,461	100%	3,584	100%	1,116	100%	151	100%	6,312	100%

Source: Equasis - ⁽¹⁾ GT≥60,000**Table 90 - IGP&I : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,633	2.2%	3,774	1.5%	1,555	1.7%	822	5.3%	7,784	1.8%
Specialized Cargo Ships	435	0.6%	484	0.2%	407	0.4%	1,095	7.1%	2,421	0.6%
Container Ships	3,586	4.8%	34,491	13.5%	15,108	16.3%	1,873	12.1%	55,058	12.6%
Ro-Ro Cargo Ships	940	1.3%	16,266	6.4%	7,671	8.3%	1,198	7.7%	26,075	5.9%
Bulk Carriers	46,151	61.7%	138,608	54.3%	33,494	36.0%	4,315	27.8%	222,568	50.8%
Oil and Chemical Tankers	14,331	19.2%	50,754	19.9%	27,824	29.9%	507	3.3%	93,416	21.3%
Gas Tankers	6,622	8.9%	6,816	2.7%	2,028	2.2%	755	4.9%	16,221	3.7%
Other Tankers	136	0.2%	153	0.1%	93	0.1%			382	0.1%
Passenger Ships	758	1.0%	1,986	0.8%	3,617	3.9%	3,335	21.5%	9,696	2.2%
Offshore Vessels	212	0.3%	1,553	0.6%	1,013	1.1%	1,409	9.1%	4,187	1.0%
Service Ships			403	0.2%	137	0.1%	198	1.3%	738	0.2%
Tugs										
Fishing Vessels										
Total	74,804	100%	255,288	100%	92,947	100%	15,507	100%	438,546	100%

Source: Equasis - ⁽¹⁾ GT≥60,000**Graph 84 - IGP&I very large ships, by age****Graph 85 - Gross tonnage of IGP&I very large ships, by age**

4.3. NON IGP&I AND AGE

WHOLE FLEET GT≥500

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	312	14.1%	1,654	27.6%	1,283	30.8%	4,584	32.7%	7,833	29.7%
Specialized Cargo Ships	10	0.5%	20	0.3%	4	0.1%	100	0.7%	134	0.5%
Container Ships	122	5.5%	167	2.8%	216	5.2%	124	0.9%	629	2.4%
Ro-Ro Cargo Ships	38	1.7%	52	0.9%	82	2.0%	212	1.5%	384	1.5%
Bulk Carriers	165	7.4%	836	13.9%	420	10.1%	488	3.5%	1,909	7.2%
Oil and Chemical Tankers	269	12.1%	888	14.8%	477	11.5%	1,802	12.9%	3,436	13.0%
Gas Tankers	33	1.5%	70	1.2%	81	1.9%	222	1.6%	406	1.5%
Other Tankers	16	0.7%	85	1.4%	19	0.5%	206	1.5%	326	1.2%
Passenger Ships	283	12.7%	404	6.7%	384	9.2%	1,029	7.3%	2,100	8.0%
Offshore Vessels	146	6.6%	605	10.1%	259	6.2%	1,032	7.4%	2,042	7.7%
Service Ships	226	10.2%	440	7.3%	268	6.4%	1,089	7.8%	2,023	7.7%
Tugs	31	1.4%	83	1.4%	48	1.2%	356	2.5%	518	2.0%
Fishing Vessels	569	25.6%	689	11.5%	619	14.9%	2,761	19.7%	4,638	17.6%
Total	2,220	100%	5,993	100%	4,160	100%	14,005	100%	26,378	100%

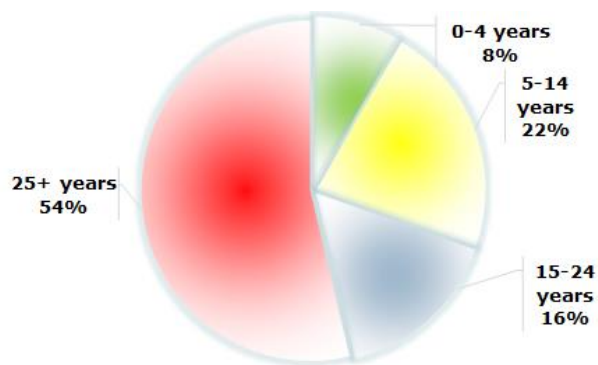
Source: Equasis

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

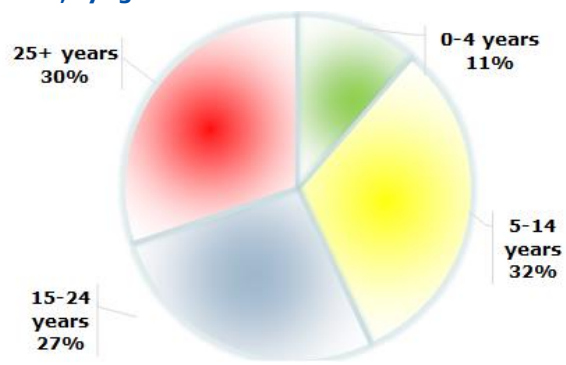
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	804	5.7%	5,617	14.1%	5,077	15.1%	11,224	29.5%	22,722	18.1%
Specialized Cargo Ships	156	1.1%	250	0.6%	29	0.1%	448	1.2%	883	0.7%
Container Ships	2,643	18.6%	2,424	6.1%	2,728	8.1%	778	2.0%	8,573	6.8%
Ro-Ro Cargo Ships	462	3.3%	783	2.0%	1,036	3.1%	1,304	3.4%	3,585	2.9%
Bulk Carriers	3,535	24.9%	13,615	34.1%	8,185	24.3%	4,750	12.5%	30,085	23.9%
Oil and Chemical Tankers	1,671	11.8%	7,865	19.7%	11,266	33.5%	5,166	13.6%	25,968	20.7%
Gas Tankers	285	2.0%	150	0.4%	386	1.1%	1,000	2.6%	1,821	1.4%
Other Tankers	30	0.2%	177	0.4%	67	0.2%	255	0.7%	529	0.4%
Passenger Ships	1,325	9.3%	1,635	4.1%	1,305	3.9%	2,929	7.7%	7,194	5.7%
Offshore Vessels	1,587	11.2%	5,010	12.6%	2,268	6.7%	4,079	10.7%	12,944	10.3%
Service Ships	858	6.0%	1,442	3.6%	620	1.8%	2,372	6.2%	5,292	4.2%
Tugs	27	0.2%	88	0.2%	41	0.1%	310	0.8%	466	0.4%
Fishing Vessels	820	5.8%	850	2.1%	638	1.9%	3,373	8.9%	5,681	4.5%
Total	14,203	100%	39,906	100%	33,646	100%	37,988	100%	125,743	100%

Source: Equasis

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



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



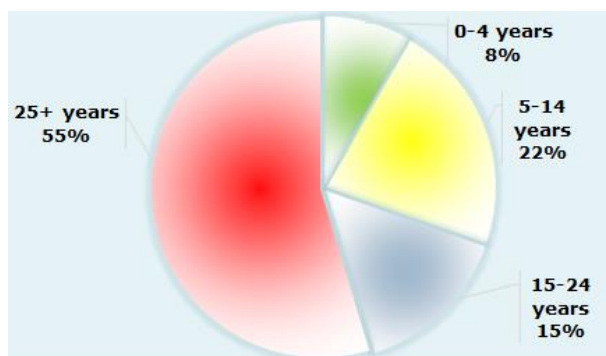
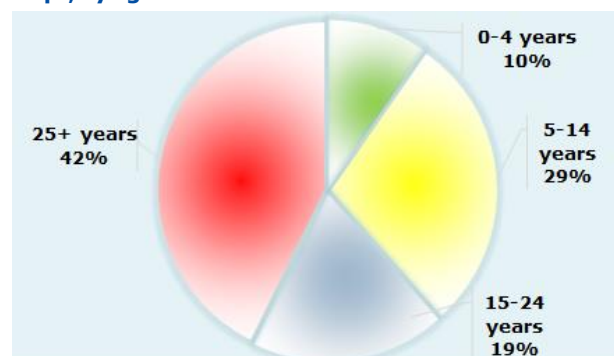
MEDIUM SIZED SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	311	14.9%	1,653	29.5%	1,273	33.6%	4,580	33.0%	7,817	30.8%
Specialized Cargo Ships	8	0.4%	19	0.3%	4	0.1%	99	0.7%	130	0.5%
Container Ships	86	4.1%	136	2.4%	177	4.7%	121	0.9%	520	2.1%
Ro-Ro Cargo Ships	37	1.8%	44	0.8%	73	1.9%	211	1.5%	365	1.4%
Bulk Carriers	109	5.2%	597	10.7%	243	6.4%	428	3.1%	1,377	5.4%
Oil and Chemical Tankers	255	12.2%	843	15.0%	365	9.6%	1,782	12.9%	3,245	12.8%
Gas Tankers	31	1.5%	70	1.2%	77	2.0%	211	1.5%	389	1.5%
Other Tankers	16	0.8%	85	1.5%	18	0.5%	206	1.5%	325	1.3%
Passenger Ships	276	13.2%	398	7.1%	383	10.1%	1,025	7.4%	2,082	8.2%
Offshore Vessels	136	6.5%	549	9.8%	243	6.4%	997	7.2%	1,925	7.6%
Service Ships	225	10.8%	438	7.8%	268	7.1%	1,086	7.8%	2,017	8.0%
Tugs	31	1.5%	83	1.5%	48	1.3%	356	2.6%	518	2.0%
Fishing Vessels	569	27.2%	689	12.3%	619	16.3%	2,759	19.9%	4,636	18.3%
Total	2,090	100%	5,604	100%	3,791	100%	13,861	100%	25,346	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000**Table 94 - Non IGP&I : gross tonnage (in 1000 gt) of medium size⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	764	10.7%	5,586	26.6%	4,799	34.6%	11,107	35.5%	22,256	30.4%
Specialized Cargo Ships	22	0.3%	183	0.9%	29	0.2%	408	1.3%	642	0.9%
Container Ships	793	11.1%	983	4.7%	1,292	9.3%	678	2.2%	3,746	5.1%
Ro-Ro Cargo Ships	427	6.0%	384	1.8%	598	4.3%	1,256	4.0%	2,665	3.6%
Bulk Carriers	712	10.0%	5,697	27.1%	2,293	16.6%	2,790	8.9%	11,492	15.7%
Oil and Chemical Tankers	1,033	14.5%	2,807	13.4%	1,541	11.1%	4,202	13.4%	9,583	13.1%
Gas Tankers	53	0.7%	150	0.7%	201	1.5%	518	1.7%	922	1.3%
Other Tankers	30	0.4%	177	0.8%	38	0.3%	255	0.8%	500	0.7%
Passenger Ships	1,038	14.5%	1,439	6.8%	1,275	9.2%	2,797	8.9%	6,549	8.9%
Offshore Vessels	591	8.3%	1,331	6.3%	487	3.5%	1,476	4.7%	3,885	5.3%
Service Ships	831	11.6%	1,349	6.4%	620	4.5%	2,192	7.0%	4,992	6.8%
Tugs	27	0.4%	88	0.4%	41	0.3%	310	1.0%	466	0.6%
Fishing Vessels	820	11.5%	850	4.0%	638	4.6%	3,292	10.5%	5,600	7.6%
Total	7,141	100%	21,024	100%	13,852	100%	31,281	100%	73,298	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**

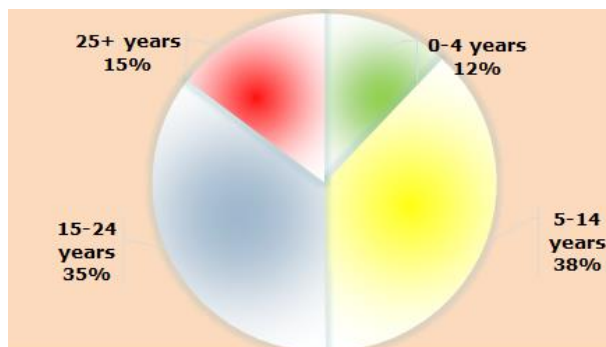
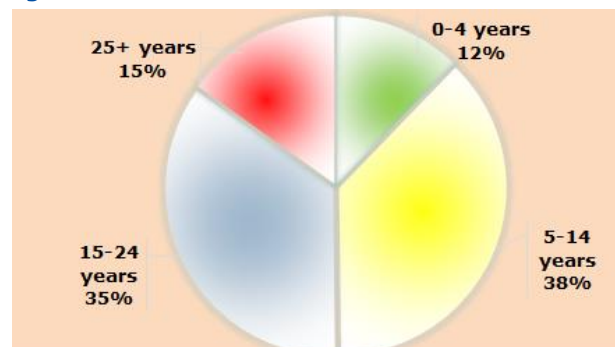
LARGE SHIPS

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	1	1.0%	1	0.3%	10	3.4%	4	3.3%	16	1.9%
Specialized Cargo Ships							1	0.8%	1	0.1%
Container Ships	30	30.3%	27	8.6%	39	13.3%	3	2.5%	99	12.0%
Ro-Ro Cargo Ships	1	1.0%	6	1.9%	9	3.1%	1	0.8%	17	2.1%
Bulk Carriers	46	46.5%	234	74.5%	175	59.5%	58	47.9%	513	62.0%
Oil and Chemical Tankers	11	11.1%	11	3.5%	53	18.0%	17	14.0%	92	11.1%
Gas Tankers					4	1.4%	11	9.1%	15	1.8%
Other Tankers					1	0.3%			1	0.1%
Passenger Ships	7	7.1%	6	1.9%	1	0.3%	4	3.3%	18	2.2%
Offshore Vessels	2	2.0%	27	8.6%	2	0.7%	18	14.9%	49	5.9%
Service Ships	1	1.0%	2	0.6%			2	1.7%	5	0.6%
Tugs										
Fishing Vessels							2	0.1%	2	0.0%
Total	99	100%	314	100%	294	100%	121	98%	828	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	40	1.1%	31	0.3%	278	2.7%	117	2.7%	466	1.6%
Specialized Cargo Ships							40	0.9%	40	0.1%
Container Ships	906	25.5%	1,142	10.4%	1,436	14.1%	100	2.3%	3,584	12.3%
Ro-Ro Cargo Ships	35	1.0%	254	2.3%	438	4.3%	48	1.1%	775	2.7%
Bulk Carriers	1,815	51.1%	7,456	68.2%	5,716	56.1%	1,815	41.2%	16,802	57.8%
Oil and Chemical Tankers	337	9.5%	476	4.4%	2,005	19.7%	729	16.6%	3,547	12.2%
Gas Tankers					185	1.8%	482	10.9%	667	2.3%
Other Tankers					29	0.3%			29	0.1%
Passenger Ships	287	8.1%	196	1.8%	30	0.3%	132	3.0%	645	2.2%
Offshore Vessels	107	3.0%	1,288	11.8%	78	0.8%	749	17.0%	2,222	7.6%
Service Ships	27	0.8%	93	0.9%			109	2.5%	229	0.8%
Tugs										
Fishing Vessels							81	1.8%	81	0.3%
Total	3,554	100%	10,936	100%	10,195	100%	4,402	100%	29,087	100%

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

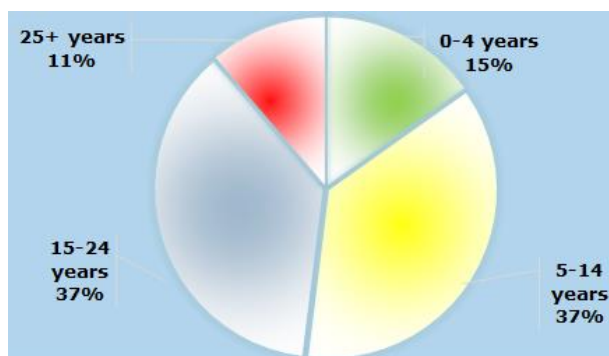
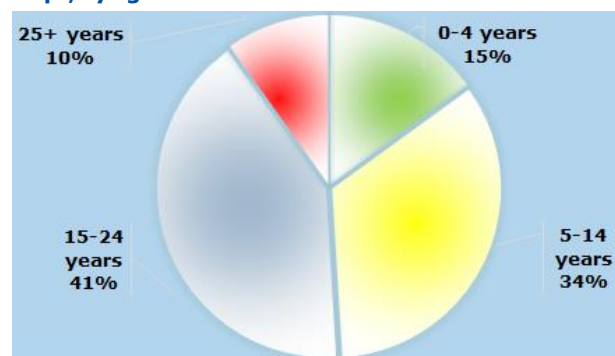
VERY LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	2	6.5%	1	1.3%					3	1.5%
Container Ships	6	19.4%	4	5.3%					10	4.9%
Ro-Ro Cargo Ships			2	2.7%					2	1.0%
Bulk Carriers	10	32.3%	5	6.7%	2	2.7%	2	8.7%	19	9.3%
Oil and Chemical Tankers	3	9.7%	34	45.3%	59	78.7%	3	13.0%	99	48.5%
Gas Tankers	2	6.5%							2	1.0%
Other Tankers										
Passenger Ships										
Offshore Vessels	8	25.8%	29	38.7%	14	18.7%	17	73.9%	68	33.3%
Service Ships							1	4.3%	1	0.5%
Tugs										
Fishing Vessels										
Total	31	100%	75	100%	75	100%	23	100%	204	100%

Source: Equasis - ⁽¹⁾ GT≥60,000**Table 98 - Non IGP&I : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	134	3.8%	67	0.8%					201	0.9%
Container Ships	944	26.9%	299	3.8%					1,243	5.3%
Ro-Ro Cargo Ships			145	1.8%					145	0.6%
Bulk Carriers	1,008	28.7%	462	5.8%	176	1.8%	145	6.3%	1,791	7.7%
Oil and Chemical Tankers	301	8.6%	4,582	57.7%	7,720	80.4%	235	10.2%	12,838	55.0%
Gas Tankers	232	6.6%							232	1.0%
Other Tankers										
Passenger Ships										
Offshore Vessels	889	25.3%	2,391	30.1%	1,703	17.7%	1,854	80.4%	6,837	29.3%
Service Ships							71	3.1%	71	0.3%
Tugs										
Fishing Vessels										
Total	3,508	100%	7,946	100%	9,599	100%	2,305	100%	23,358	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	1,451	11.0%	2,669	47.9%	4,120	2,602	10.7%	5,164	24.8%	7,766
Specialized Cargo Ships	42	0.3%	74	1.3%	116	123	0.5%	60	0.3%	183
Container Ships	1,873	14.2%	142	2.5%	2,015	2,757	11.4%	487	2.3%	3,244
Ro-Ro Cargo Ships	359	2.7%	125	2.2%	484	693	2.9%	259	1.2%	952
Bulk Carriers	4,657	35.2%	490	8.8%	5,147	5,429	22.4%	1,419	6.8%	6,848
Oil and Chemical Tankers	3,008	22.7%	624	11.2%	3,632	5,629	23.2%	2,812	13.5%	8,441
Gas Tankers	546	4.1%	71	1.3%	617	1,061	4.4%	335	1.6%	1,396
Other Tankers	85	0.6%	70	1.3%	155	302	1.2%	256	1.2%	558
Passenger Ships	231	1.7%	337	6.0%	568	1,023	4.2%	1,763	8.5%	2,786
Offshore Vessels	770	5.8%	416	7.5%	1,186	2,826	11.6%	1,626	7.8%	4,452
Service Ships	107	0.8%	219	3.9%	326	671	2.8%	1,804	8.7%	2,475
Tugs	41	0.3%	62	1.1%	103	373	1.5%	456	2.2%	829
Fishing Vessels	59	0.4%	276	5.0%	335	787	3.2%	4,362	21.0%	5,149
Total	13,229	100%	5,575	100%	18,804	24,276	100%	20,803	100%	45,079

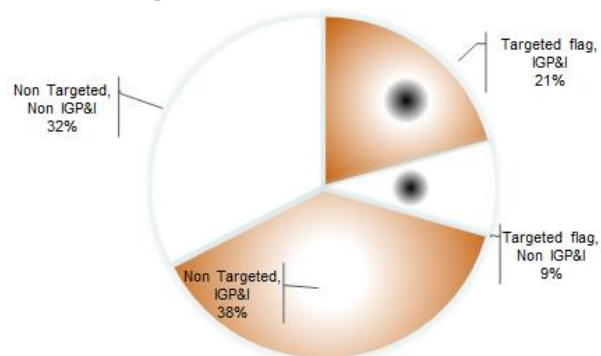
Source: Equasis

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

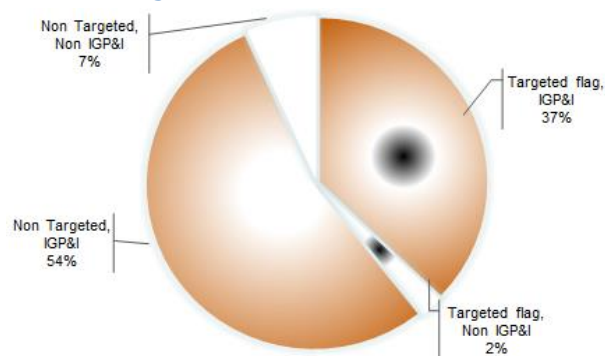
Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	12,845	2.5%	8,807	28.6%	21,652	22,594	3.0%	13,914	14.7%	36,508
Specialized Cargo Ships	1,013	0.2%	310	1.0%	1,323	2,770	0.4%	573	0.6%	3,343
Container Ships	102,291	19.7%	1,535	5.0%	103,826	136,183	18.1%	7,037	7.4%	143,220
Ro-Ro Cargo Ships	17,207	3.3%	1,428	4.6%	18,635	29,023	3.9%	2,157	2.3%	31,180
Bulk Carriers	208,111	40.1%	7,082	23.0%	215,193	240,195	31.9%	23,004	24.2%	263,199
Oil and Chemical Tankers	136,345	26.3%	5,558	18.1%	141,903	195,981	26.0%	20,409	21.5%	216,390
Gas Tankers	21,714	4.2%	1,019	3.3%	22,733	57,758	7.7%	801	0.8%	58,559
Other Tankers	597	0.1%	179	0.6%	776	1,327	0.2%	349	0.4%	1,676
Passenger Ships	8,568	1.7%	994	3.2%	9,562	26,971	3.6%	6,199	6.5%	33,170
Offshore Vessels	8,934	1.7%	2,942	9.6%	11,876	33,737	4.5%	10,000	10.5%	43,737
Service Ships	1,464	0.3%	494	1.6%	1,958	3,953	0.5%	4,798	5.1%	8,751
Tugs	38	0.0%	50	0.2%	88	352	0.0%	418	0.4%	770
Fishing Vessels	133	0.0%	368	1.2%	501	1,687	0.2%	5,313	5.6%	7,000
Total	519,260	100%	30,766	100%	550,026	752,531	100%	94,972	100%	847,503

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



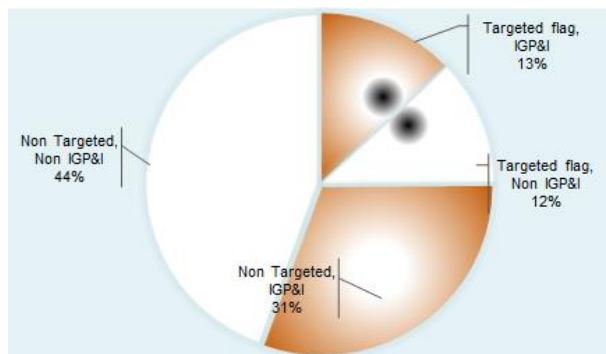
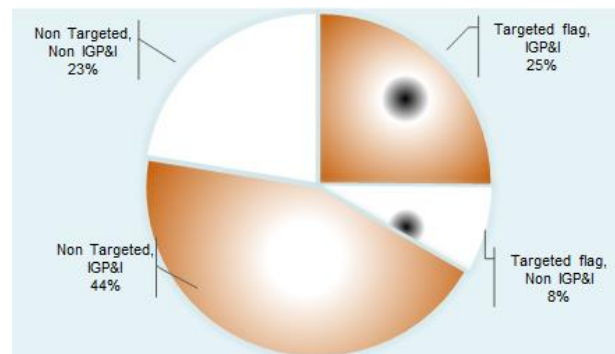
MEDIUM SIZED SHIPS

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	1,403	24.1%	2,664	49.7%	4,067	2,418	17.6%	5,153	25.8%	7,571
Specialized Cargo Ships	23	0.4%	73	1.4%	96	76	0.6%	57	0.3%	133
Container Ships	606	10.4%	135	2.5%	741	1,115	8.1%	385	1.9%	1,500
Ro-Ro Cargo Ships	57	1.0%	112	2.1%	169	201	1.5%	253	1.3%	454
Bulk Carriers	1,137	19.5%	412	7.7%	1,549	1,293	9.4%	965	4.8%	2,258
Oil and Chemical Tankers	1,207	20.7%	567	10.6%	1,774	2,870	20.8%	2,678	13.4%	5,548
Gas Tankers	285	4.9%	58	1.1%	343	442	3.2%	331	1.7%	773
Other Tankers	77	1.3%	69	1.3%	146	297	2.2%	256	1.3%	553
Passenger Ships	131	2.2%	331	6.2%	462	660	4.8%	1,751	8.8%	2,411
Offshore Vessels	699	12.0%	382	7.1%	1,081	2,587	18.8%	1,543	7.7%	4,130
Service Ships	99	1.7%	218	4.1%	317	653	4.7%	1,799	9.0%	2,452
Tugs	41	0.7%	62	1.2%	103	373	2.7%	456	2.3%	829
Fishing Vessels	59	1.0%	276	5.2%	335	787	5.7%	4,360	21.8%	5,147
Total	5,824	100%	5,359	100%	11,183	13,772	100%	19,987	100%	33,759

Source: Equasis - ⁽¹⁾ 500≤GT<25,000**Table 102 - P&I status : gross tonnage (in 1000 gt) of medium sized⁽¹⁾ ships, by type and flag**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	11,294	18.7%	8,665	44.2%	19,959	16,361	15.4%	13,590	25.3%	29,951
Specialized Cargo Ships	266	0.4%	270	1.4%	536	859	0.8%	372	0.7%	1,231
Container Ships	8,846	14.7%	938	4.8%	9,784	13,708	12.9%	2,807	5.2%	16,515
Ro-Ro Cargo Ships	770	1.3%	745	3.8%	1,515	2,804	2.6%	1,920	3.6%	4,724
Bulk Carriers	21,454	35.6%	4,056	20.7%	25,510	24,145	22.8%	7,436	13.8%	31,581
Oil and Chemical Tankers	10,786	17.9%	2,081	10.6%	12,867	24,446	23.0%	7,502	14.0%	31,948
Gas Tankers	2,722	4.5%	294	1.5%	3,016	3,549	3.3%	628	1.2%	4,177
Other Tankers	349	0.6%	150	0.8%	499	1,193	1.1%	349	0.7%	1,542
Passenger Ships	761	1.3%	814	4.2%	1,575	4,375	4.1%	5,735	10.7%	10,110
Offshore Vessels	2,272	3.8%	737	3.8%	3,009	9,288	8.8%	3,148	5.9%	12,436
Service Ships	567	0.9%	439	2.2%	1,006	3,291	3.1%	4,553	8.5%	7,844
Tugs	38	0.1%	50	0.3%	88	352	0.3%	418	0.8%	770
Fishing Vessels	133	0.2%	368	1.9%	501	1,687	1.6%	5,232	9.7%	6,919
Total	60,258	100%	19,607	100%	79,865	106,058	100%	53,690	100%	159,748

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**

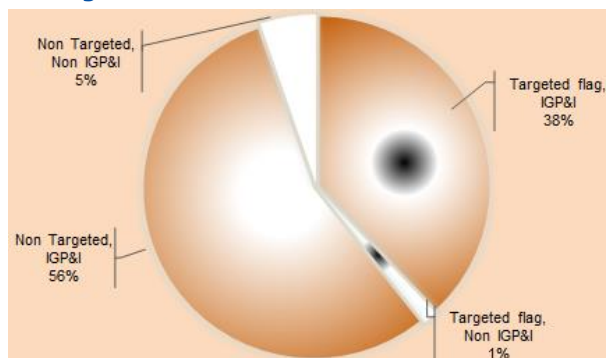
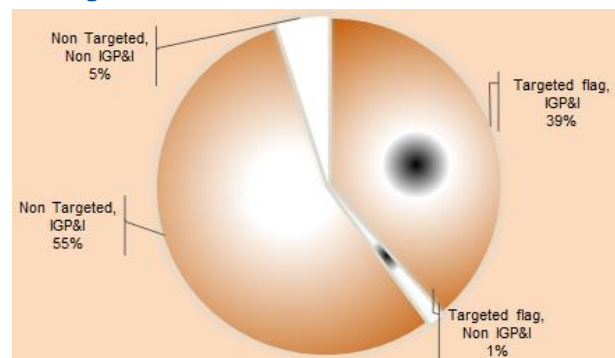
LARGE SHIPS

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	48	1.0%	5	3.0%	53	184	2.7%	11	1.7%	195
Specialized Cargo Ships	19	0.4%	1	0.6%	20	44	0.6%			44
Container Ships	629	13.3%	5	3.0%	634	827	12.0%	94	14.2%	921
Ro-Ro Cargo Ships	205	4.3%	12	7.1%	217	342	5.0%	5	0.8%	347
Bulk Carriers	2,623	55.6%	70	41.7%	2,693	3,274	47.6%	443	67.1%	3,717
Oil and Chemical Tankers	979	20.8%	39	23.2%	1,018	1,655	24.0%	53	8.0%	1,708
Gas Tankers	139	2.9%	11	6.5%	150	235	3.4%	4	0.6%	239
Other Tankers	8	0.2%	1	0.6%	9	5	0.1%			5
Passenger Ships	39	0.8%	6	3.6%	45	230	3.3%	12	1.8%	242
Offshore Vessels	22	0.5%	17	10.1%	39	69	1.0%	32	4.8%	101
Service Ships	4	0.1%	1	0.6%	5	17	0.2%	4	0.6%	21
Tugs										
Fishing Vessels								2	0.0%	2
Total	4,715	100%	168	100%	4,883	6,882	100%	660	100%	7,542

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

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,551	0.9%	142	2.3%	1,693	6,233	2.4%	324	1.4%	6,557
Specialized Cargo Ships	747	0.4%	40	0.6%	787	1,674	0.6%			1,674
Container Ships	23,588	13.1%	219	3.5%	23,807	31,470	12.2%	3,365	14.7%	34,835
Ro-Ro Cargo Ships	10,048	5.6%	611	9.8%	10,659	16,028	6.2%	165	0.7%	16,193
Bulk Carriers	99,727	55.3%	2,238	35.9%	101,965	122,841	47.6%	14,564	63.7%	137,405
Oil and Chemical Tankers	36,450	20.2%	1,492	23.9%	37,942	56,966	22.1%	2,055	9.0%	59,021
Gas Tankers	5,633	3.1%	493	7.9%	6,126	10,589	4.1%	173	0.8%	10,762
Other Tankers	248	0.1%	29	0.5%	277	134	0.1%			134
Passenger Ships	1,303	0.7%	180	2.9%	1,483	8,393	3.3%	464	2.0%	8,857
Offshore Vessels	1,049	0.6%	734	11.8%	1,783	3,139	1.2%	1,487	6.5%	4,626
Service Ships	141	0.1%	55	0.9%	196	598	0.2%	174	0.8%	772
Tugs										
Fishing Vessels								81	0.2%	81
Total	180,485	100%	6,233	100%	186,718	258,065	100%	22,852	100%	280,917

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**

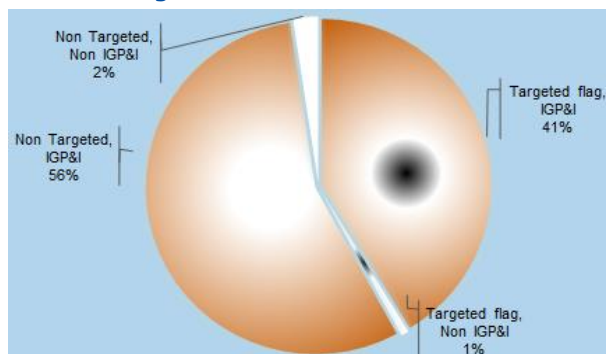
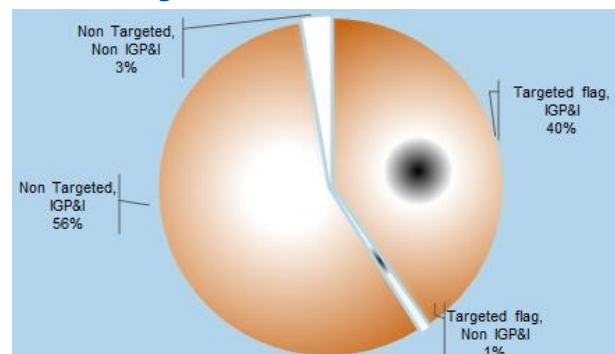
VERY LARGE SHIPS

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%	3		6
Container Ships	638	23.7%	2	4.2%	640	815	22.5%	8		823
Ro-Ro Cargo Ships	97	3.6%	1	2.1%	98	150	4.1%	1		151
Bulk Carriers	897	33.3%	8	16.7%	905	862	23.8%	11		873
Oil and Chemical Tankers	822	30.6%	18	37.5%	840	1,104	30.5%	81		1,185
Gas Tankers	122	4.5%	2	4.2%	124	384	10.6%			384
Other Tankers										
Passenger Ships	61	2.3%			61	133	3.7%			133
Offshore Vessels	49	1.8%	17	35.4%	66	170	4.7%	51		221
Service Ships	4	0.1%			4	1	0.0%	1		2
Tugs										
Fishing Vessels										
Total	2,690	100%	48	100%	2,738	3,622	100%	156	0%	3,778

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

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships										
Specialized Cargo Ships						237	0.1%	201	1.1%	438
Container Ships	69,857	25.1%	378	7.7%	70,235	91,005	23.4%	865	4.7%	91,870
Ro-Ro Cargo Ships	6,389	2.3%	72	1.5%	6,461	10,191	2.6%	72	0.4%	10,263
Bulk Carriers	86,930	31.2%	788	16.0%	87,718	93,209	24.0%	1,004	5.4%	94,213
Oil and Chemical Tankers	89,109	32.0%	1,985	40.3%	91,094	114,569	29.5%	10,852	58.9%	125,421
Gas Tankers	13,359	4.8%	232	4.7%	13,591	43,620	11.2%			43,620
Other Tankers										
Passenger Ships	6,504	2.3%			6,504	14,203	3.7%			14,203
Offshore Vessels	5,613	2.0%	1,471	29.9%	7,084	21,310	5.5%	5,365	29.1%	26,675
Service Ships	756	0.3%			756	64	0.0%	71	0.4%	135
Tugs										
Fishing Vessels										
Total	278,517	100%	4,926	100%	283,443	388,408	100%	18,430	100%	406,838

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 - 2019

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.45%	6.89%	4.48%
Specialized Cargo Ships	2.36%	3.34%	2.84%
Container Ships	1.50%	3.79%	1.59%
Ro-Ro Cargo Ships	0.82%	11.46%	1.78%
Bulk Carriers	2.05%	6.23%	2.28%
Oil and Chemical Tankers	1.22%	6.24%	1.39%
Gas Tankers	0.87%	5.11%	1.12%
Other Tankers	1.98%	13.64%	3.62%
Passenger Ships	0.85%	2.33%	1.02%
Offshore Vessels	2.17%	1.69%	2.10%
Service Ships	0.00%	6.54%	1.57%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	3.23%	2.02%	2.31%
Total	1.74%	6.45%	2.42%

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 - 2019

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.53%	6.88%	4.61%
Specialized Cargo Ships	3.64%	3.35%	3.47%
Container Ships	1.52%	4.02%	1.78%
Ro-Ro Cargo Ships	1.85%	14.87%	7.30%
Bulk Carriers	1.98%	6.18%	2.57%
Oil and Chemical Tankers	1.49%	5.96%	1.76%
Gas Tankers	1.65%	4.00%	1.92%
Other Tankers	1.87%	13.64%	3.63%
Passenger Ships	1.70%	3.25%	2.05%
Offshore Vessels	2.22%	1.71%	2.14%
Service Ships	0.00%	6.54%	1.64%
Tugs	0.00%	0.00%	0.00%
Fishing Vessels	3.23%	2.02%	2.31%
Total	1.97%	6.52%	3.22%

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 - 2019

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	1.57%	8.00%	1.77%
Specialized Cargo Ships	0.00%	0.00%	0.00%
Container Ships	2.02%	0.00%	2.00%
Ro-Ro Cargo Ships	0.82%	0.00%	0.79%
Bulk Carriers	1.84%	6.83%	1.92%
Oil and Chemical Tankers	1.23%	12.50%	1.31%
Gas Tankers	0.47%	16.67%	0.77%
Other Tankers	3.45%		3.45%
Passenger Ships	0.76%	0.00%	0.68%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
Fishing Vessels			
Total	1.63%	5.56%	1.69%

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 - 2019

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	1.04%	4.76%	1.06%
Ro-Ro Cargo Ships	0.49%	0.00%	0.48%
Bulk Carriers	3.22%	0.00%	3.20%
Oil and Chemical Tankers	0.61%	2.50%	0.64%
Gas Tankers	0.00%		0.00%
Other Tankers			
Passenger Ships	0.17%		0.17%
Offshore Vessels	2.38%	0.00%	2.33%
Service Ships	0.00%		0.00%
Tugs			
Fishing Vessels			
Total	1.45%	2.35%	1.46%

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 (PSC) authorities check the compliance with International Conventions of foreign flagged ships visiting their ports. Equasis statistics include inspection data provided by nine of the regional Port State Control regimes:

1. Paris MoU (PMOU);
2. Tokyo MoU (TMOU);
3. Indian Ocean MoU (IO MoU);
4. U.S. Coast Guard (USCG);
5. Viña del Mar MoU (VdMoU);
6. Mediterranean MoU (Med MoU);
7. Caribbean MoU (CMoU);
8. Black Sea MoU (BSMoU); and
9. Abuja MoU (ABMoU).

Problems associated with the format in which Riyadh MoU reports inspections continued in 2020 and Equasis is in contact with Riyadh to work a Riyadh MoU data conversion program so that its inspections can be included in this report.

The analyses in this chapter takes into account the last three years of inspections (2017-2019) from these PSC regimes as recorded in Equasis.

PSC SHIP TYPE

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

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

INSPECTED SHIPS

Ships are subject to port State control inspections in most parts of the world, of which Equasis receives data from nine PSC regimes. However, some ships do not trade to the participating maritime authorities of these nine MoU's or in some cases have not been inspected when they have visited them.

Some ships are not eligible for PSC inspections due to their size or type, or they are only engaged in domestic trade. 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 nine PSC regimes in the last three years. Therefore, the proportion of fleet that have not been inspected can be calculated. The figures are sorted by ship size and PSC type with details per age ranges, flag State and P&I coverage.

RECOGNISED ORGANISATIONS

Information on Recognised Organisations (RO) is also included in this chapter based on the statutory certificates recorded at the time of inspection. ROs are Classification 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, Caribbean MoU, Black Sea MoU, Abuja MoU and Tokyo MoU.

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

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

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

DOUBLE REPORTING

Considerations

It has become apparent over the last few years that some individual States are reporting the same inspection and detention records to two regional PSC regimes. These in turn are submitted to Equasis by both MoUs.

This has an impact on the PSC figures reported in this Chapter of the World Fleet Report, as these figures are overrepresented. In the 2018 and 2019 World Fleet Report the double reporting issue has been identified, however the final measures to account for the double reporting have not been implemented.

Implications

The tables below reflect all the reports of inspections shared with Equasis over the last 3 years (2017, 2018 and 2019). As the MoU's have not specified that an inspection has been reported under two MoU's, Equasis cannot identify them and reflect the double reporting in the tables. This is because under the data sharing agreement Equasis cannot interpret or manage the data.

RESULTS

Table 116 reveals that of the 60,647 ships over 500GT in the fleet covered by Equasis, 59% (35,641) were inspected at least once in the period 2017-2019. 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 32,054 inspections.

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

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

Table 111 shows that a very small quantity of small sized ships is inspected (5%) and that the majority of ships without an inspection record are either in the small sized ship category (62.7%) or in the medium sized category (45%). For the other categories, large and very large about 90% of the ships were inspected between 2017 and 2019.

By age, Table 116 shows that oldest ships (30% inspected) have been subjected to fewer inspections than the newer ships (60% inspected). Additionally, ships with IG P&I coverage (Table 124) have also been subjected to more inspections. A possible explanation is the fact that the majority of ships is covered by IGP&I clubs (80%) and these are the ones mostly

operating in PSC regions for which Equasis has PSC data.

Table 132 shows that ships with targeted flag States are subject to more inspections than those of non-targeted flag States, but with relatively small difference between targeted and non-targeted (79% and 50%, respectively).

Table 140 shows that the majority of statutory certificates are issued by members of IACS of which 96.2% of inspections are of ships over 500GT.

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), and the Bunker Certificate are the statutory certificates that are, in majority, issued by the flag State.

ROs, in particular the IACS members, are also more involved in issuing the International Ship Security Certificate (ISSC), the IOPP Certificate, MARPOL Certificates, the Ballast Water Management Convention's Certificates and Maritime Labour Convention (MLC certificate).

5.1. PORT STATE CONTROL OVERVIEW

OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIONS (2017-2019)

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

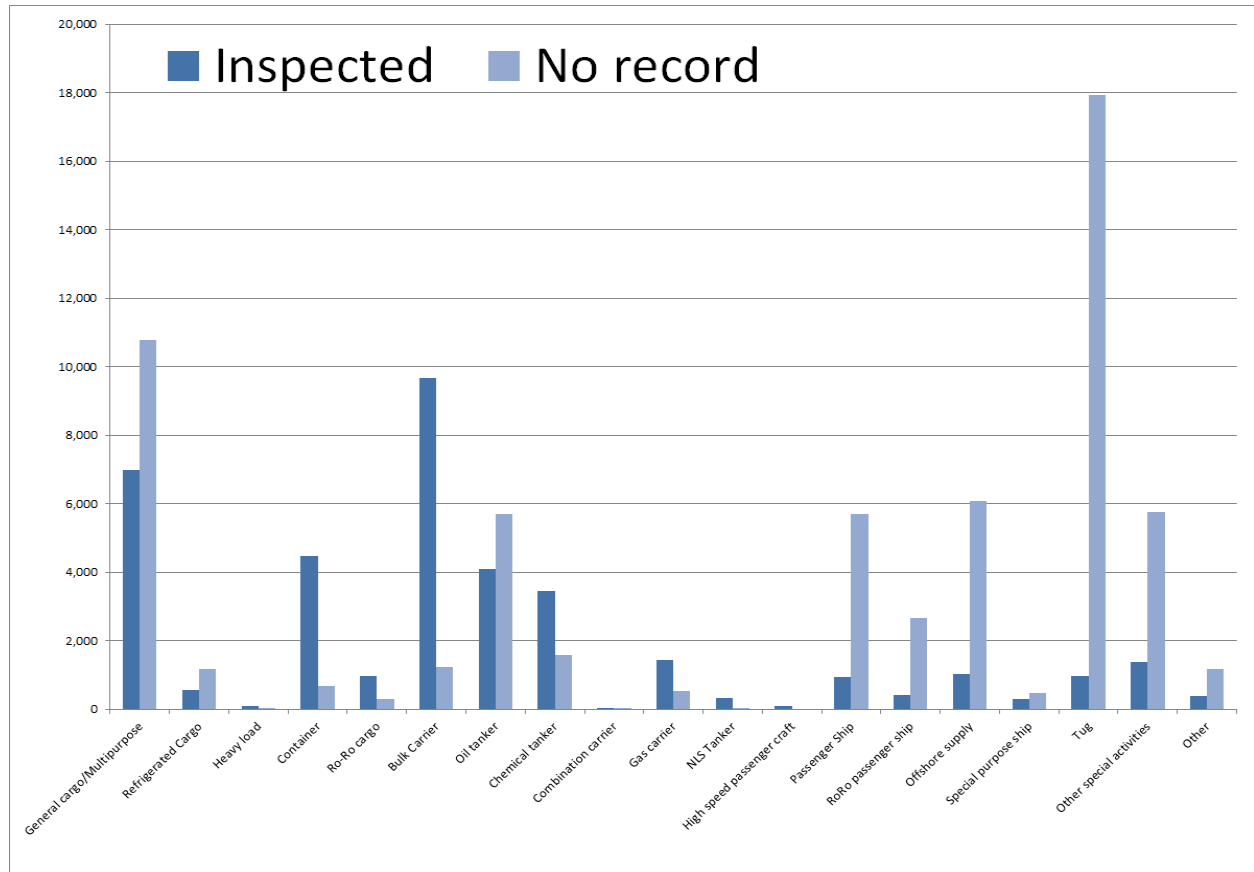
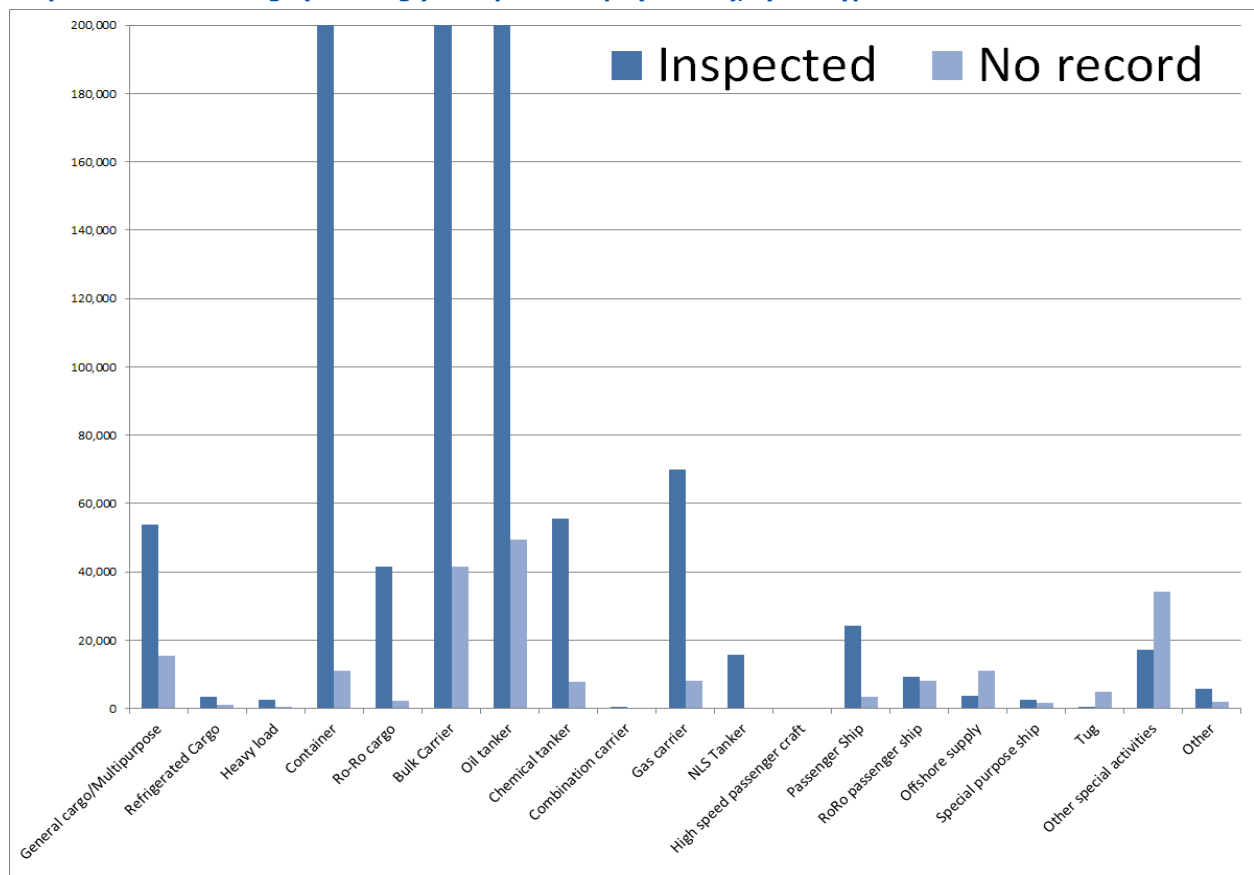
PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,142	157	3.1%	12,200	6,417	52.6%	401	390	97.3%	22	22	100.0%	17,765	6,986	39.3%
Refrigerated Cargo	780	21	2.7%	962	538	55.9%	4	2	50.0%				1,746	561	32.1%
Heavy load	1		0.0%	73	56	76.7%	45	42	93.3%	6	2	33.3%	125	100	80.0%
Container	19		0.0%	2,144	1,636	76.3%	1,520	1,384	91.1%	1,452	1,442	99.3%	5,135	4,462	86.9%
Ro-Ro cargo	37	7	18.9%	543	289	53.2%	465	456	98.1%	235	232	98.7%	1,280	984	76.9%
Bulk Carrier	5	2	40.0%	2,930	2,465	84.1%	6,192	5,525	89.2%	1,767	1,671	94.6%	10,894	9,663	88.7%
Oil tanker	1,821	28	1.5%	4,522	1,091	24.1%	1,471	1,248	84.8%	1,987	1,742	87.7%	9,801	4,109	41.9%
Chemical tanker	469	5	1.1%	3,348	2,369	70.8%	1,199	1,069	89.2%				5,016	3,443	68.6%
Combination carrier				46	22	47.8%	8	8	100.0%	2	2	100.0%	56	32	57.1%
Gas carrier	35		0.0%	1,092	669	61.3%	352	318	90.3%	499	452	90.6%	1,978	1,439	72.8%
NLS Tanker	2		0.0%	129	120	93.0%	111	111	100.0%	84	84	100.0%	326	315	96.6%
High speed passenger craft	48	48	100.0%	51	51	100.0%							99	99	100.0%
Passenger Ship	5,040	360	7.1%	1,343	336	25.0%	70	69	98.6%	188	185	98.4%	6,641	950	14.3%
RoRo passenger ship	814	4	0.5%	2,042	226	11.1%	216	173	80.1%	6	6	100.0%	3,078	409	13.3%
Offshore supply	2,395	72	3.0%	4,702	965	20.5%	17	3	17.6%	8	1	12.5%	7,122	1,041	14.6%
Special purpose ship	213	61	28.6%	520	209	40.2%	19	14	73.7%	4	2	50.0%	756	286	37.8%
Tug	17,881	783	4.4%	1,017	187	18.4%							18,898	970	5.1%
Other special activities	3,343	392	11.7%	3,320	789	23.8%	242	157	64.9%	247	51	20.6%	7,152	1,389	19.4%
Other	740	38	5.1%	713	242	33.9%	98	90	91.8%	13	11	84.6%	1,564	381	24.4%
Total	38,785	1,978	5%	41,697	18,677	45%	12,430	11,059	89%	6,520	5,905	91%	99,432	37,619	38%

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

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

PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,791	58	3.2%	51,994	38,632	74.3%	13,787	13,423	97.4%	1,692	1,692	100.0%	69,264	53,805	77.7%
Refrigerated Cargo	190	8	4.2%	4,255	3,350	78.7%	147	66	44.9%				4,592	3,424	74.6%
Heavy load				884	710	80.3%	1,745	1,589	91.1%	438	176	40.2%	3,067	2,475	80.7%
Container	8		0.0%	25,116	20,916	83.3%	57,623	52,581	91.3%	161,301	159,519	98.9%	244,048	233,016	95.5%
Ro-Ro cargo	12	2	16.7%	5,360	3,567	66.5%	22,532	22,249	98.7%	15,825	15,634	98.8%	43,729	41,452	94.8%
Bulk Carrier	2	1	50.0%	52,301	45,821	87.6%	230,492	206,789	89.7%	180,784	169,483	93.7%	463,579	422,094	91.1%
Oil tanker	555	12	2.2%	18,053	7,990	44.3%	59,772	50,690	84.8%	211,439	181,611	85.9%	289,819	240,303	82.9%
Chemical tanker	176	2	1.1%	27,666	23,838	86.2%	35,491	31,614	89.1%				63,333	55,454	87.6%
Combination carrier				292	206	70.5%	230	230	100.0%	142	142	100.0%	664	578	87.0%
Gas carrier	13		0.0%	6,887	5,493	79.8%	15,319	13,848	90.4%	55,931	50,637	90.5%	78,150	69,978	89.5%
NLS Tanker	1		0.0%	1,106	1,096	99.1%	4,224	4,224	100.0%	10,369	10,369	100.0%	15,700	15,689	99.9%
High speed passenger craft	11	11	100.0%	249	249	100.0%							260	260	100.0%
Passenger Ship	1,308	115	8.8%	3,209	1,445	45.0%	2,879	2,822	98.0%	20,301	19,982	98.4%	27,697	24,364	88.0%
RoRo passenger ship	249	1	0.4%	9,234	2,834	30.7%	7,434	6,041	81.3%	406	406	100.0%	17,323	9,282	53.6%
Offshore supply	682	21	3.1%	12,900	3,585	27.8%	609	113	18.6%	673	83	12.3%	14,864	3,802	25.6%
Special purpose ship	54	17	31.5%	2,554	1,376	53.9%	736	545	74.0%	711	505	71.0%	4,055	2,443	60.2%
Tug	4,321	239	5.5%	1,102	348	31.6%							5,423	587	10.8%
Other special activities	838	126	15.0%	9,928	3,647	36.7%	10,729	6,594	61.5%	29,819	6,776	22.7%	51,314	17,143	33.4%
Other	210	11	5.2%	2,826	1,372	48.5%	4,129	3,848	93.2%	838	700	83.5%	8,003	5,931	74.1%
Total	10,421	624	6%	235,916	166,475	71%	467,878	417,266	89%	690,669	617,715	89%	1,404,884	1,202,080	86%

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

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

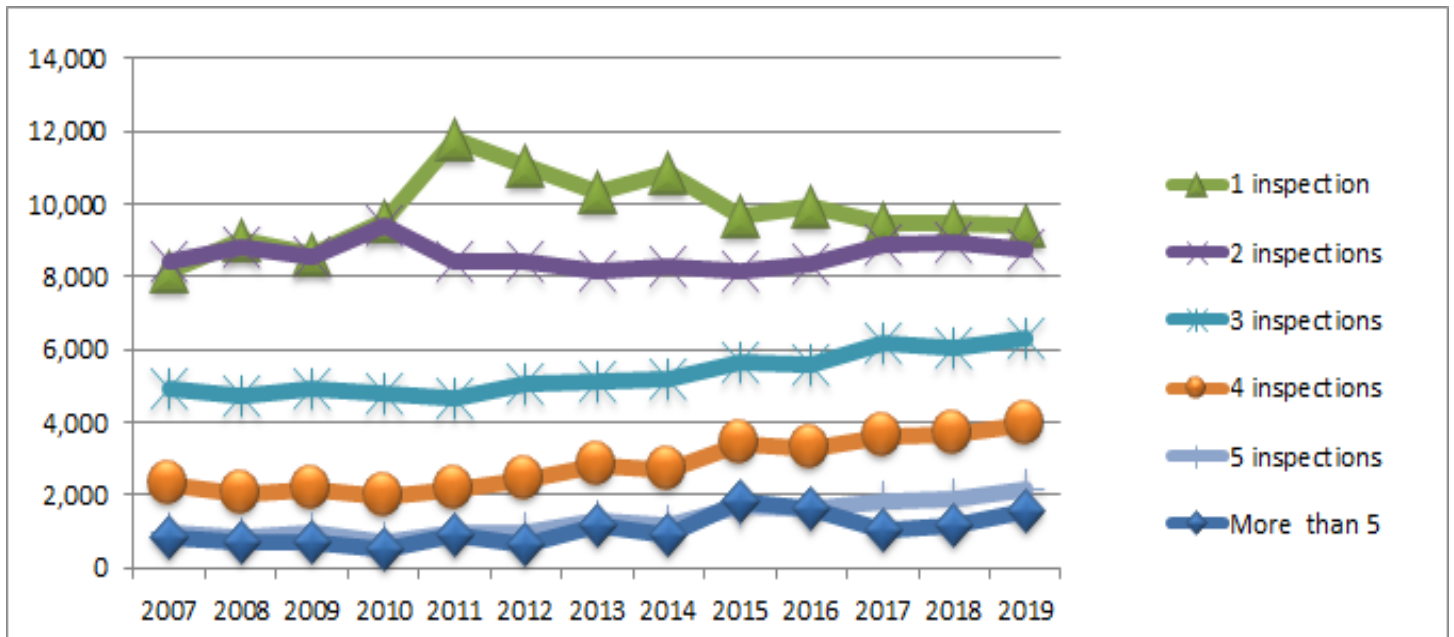
MULTIPLE INSPECTIONS (2007-2019)

Table 113 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2019

Number of inspections per ship	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019	
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	30.4%	9,421	29.4%
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%	8,736	27.3%
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%	6,272	19.6%
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%	3,918	12.2%
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%	2,175	6.8%
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%	1,532	4.8%
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%	32,054	100%

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Black Sea MoU, Abuja MoU- ^(*) All existing ship types in Equasis

Remark: The figures include double reported inspections

Graph 104 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2019

^(*) Existing ship types in Equasis

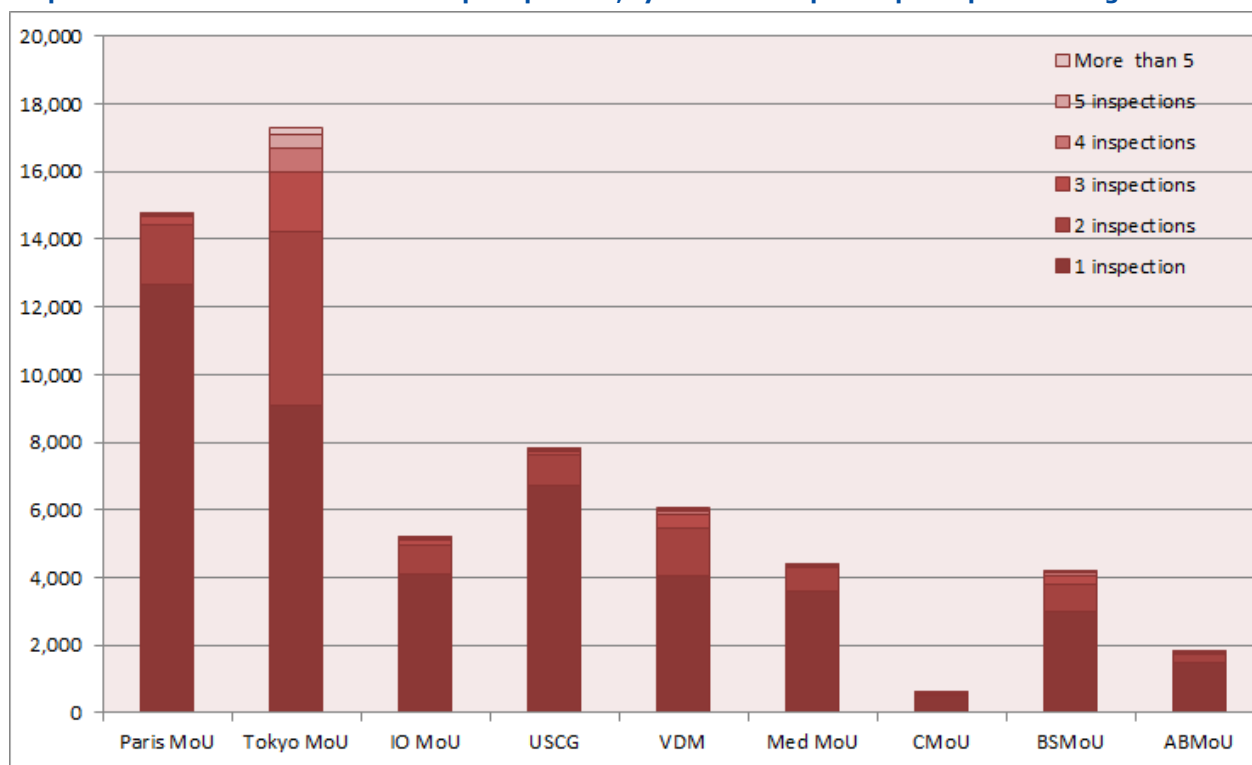
INSPECTION FREQUENCY BY PSC REGIONS (2019)

Table 114 - Total number of individual ships inspected^(*), by number of inspection per ship and by PSC region - 2019

Number of inspections per ship	Number of individual ships inspected																		Overall inspections	
	PMoU		TMoU		IOMoU		USCG		VdMoU		MedMoU		CMoU		BSMoU		ABMoU			
1	12,677	86.0%	9,075	52.4%	4,095	79.7%	6,722	86.5%	4,061	67.1%	3,596	82.2%	533	90.2%	3,001	71.8%	1,463	81.5%	9,421	29.4%
2	1,774	12.0%	5,128	29.6%	838	16.3%	900	11.6%	1,411	23.3%	678	15.5%	55	9.3%	804	19.2%	278	15.5%	8,736	27.3%
3	251	1.7%	1,797	10.4%	174	3.4%	121	1.6%	382	6.3%	87	2.0%	2	0.3%	237	5.7%	45	2.5%	6,272	19.6%
4	38	0.3%	687	4.0%	29	0.6%	19	0.2%	128	2.1%	8	0.2%	1	0.2%	93	2.2%	7	0.4%	3,918	12.2%
5	7	0.0%	414	2.4%	4	0.1%	5	0.1%	41	0.7%	3	0.1%	0	0.0%	34	0.8%	1	0.1%	2,175	6.8%
More than 5	1	0.0%	205	1.2%	1	0.0%	7	0.1%	25	0.4%	2	0.0%	0	0.0%	11	0.3%	1	0.1%	1,532	4.8%
Total	14,748	100%	17,306	100%	5,141	100%	7,774	100%	6,048	100%	4,374	100%	591	100%	4,180	100%	1,795	100%	32,054	100%

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

Remark: The figures include double reported inspections

Graph 105 - Total number of individual ships inspected^(*), by number of inspection per ship and PSC region - 2019

^(*) All existing ship types in Equasis

INSPECTIONS IN MORE THAN ONE REGION (2019)

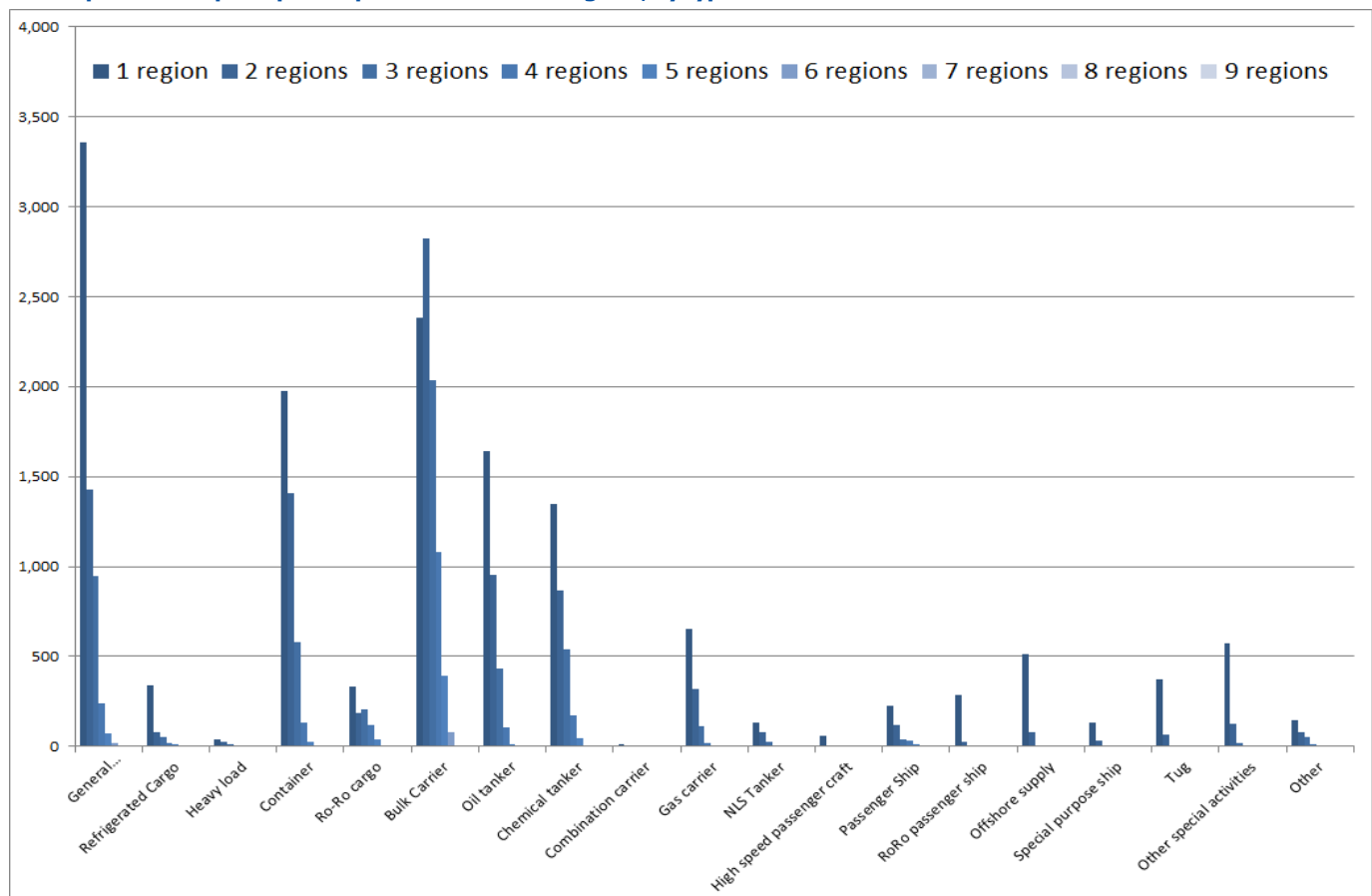
Table 115 - Total number of individual ships inspected per number of PSC regions

Ship Type	Number of ships inspected																	
	1 Region		2 Regions		3 Regions		4 Regions		5 Regions		6 Regions		7 Regions		8 Regions		9 Regions	
General cargo/Multipurpose	3,358	23.1%	1,428	16.4%	947	18.7%	239	12.3%	71	11.5%	20	18.0%	2	22.2%				
Refrigerated Cargo	339	2.3%	80	0.9%	50	1.0%	19	1.0%	12	1.9%	3	2.7%	1	11.1%				
Heavy load	36	0.2%	27	0.3%	14	0.3%	7	0.4%	1	0.2%								
Container	1,978	13.6%	1,409	16.2%	580	11.4%	131	6.7%	27	4.4%								
Ro-Ro cargo	330	2.3%	188	2.2%	208	4.1%	121	6.2%	39	6.3%	2	1.8%						
Bulk Carrier	2,382	16.4%	2,825	32.4%	2,035	40.2%	1,078	55.3%	391	63.4%	77	69.4%	6	66.7%	3	100.0%		
Oil tanker	1,639	11.3%	952	10.9%	436	8.6%	104	5.3%	13	2.1%	2	1.8%						
Chemical tanker	1,346	9.3%	869	10.0%	538	10.6%	171	8.8%	45	7.3%	6	5.4%						
Combination carrier	15	0.1%	5	0.1%	4	0.1%												
Gas carrier	654	4.5%	318	3.6%	110	2.2%	22	1.1%	2	0.3%								
NLS Tanker	135	0.9%	80	0.9%	24	0.5%	7	0.4%	2	0.3%								
High speed passenger craft	61	0.4%	5	0.1%														
Passenger Ship	227	1.6%	122	1.4%	37	0.7%	32	1.6%	13	2.1%	1	0.9%						
RoRo passenger ship	286	2.0%	25	0.3%	1	0.0%												
Offshore supply	515	3.5%	81	0.9%	6	0.1%												
Special purpose ship	133	0.9%	33	0.4%	2	0.0%												
Tug	372	2.6%	66	0.8%	1	0.0%												
Other special activities	572	3.9%	123	1.4%	22	0.4%	4	0.2%										
Other	147	1.0%	78	0.9%	51	1.0%	15	0.8%	1									
Total	14,525	100%	8,714	100%	5,066	100%	1,950	100%	617	100%	111	100%	9	100%	3	100%	0	0%

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

Remark: The figures include double reported inspections

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



5.2. SHIPS INSPECTED BETWEEN 2017 AND 2019 – BY AGE

WHOLE FLEET GT≥500

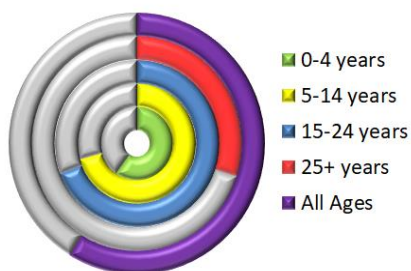
Table 116 - Total number of ships GT≥500 with and without inspections, by PSC type and age

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	809	413	51.1%	4,159	2,625	63.1%	2,360	1,636	69.3%	5,295	2,155	40.7%	12,623	6,829	54.1%
Refrigerated Cargo	79	19	24.1%	72	32	44.4%	123	99	80.5%	692	390	56.4%	966	540	55.9%
Heavy load	21	14	66.7%	55	42	76.4%	20	19	95.0%	28	25	89.3%	124	100	80.6%
Container	667	482	72.3%	2,684	2,516	93.7%	1,492	1,310	87.8%	273	154	56.4%	5,116	4,462	87.2%
Ro-Ro cargo	114	78	68.4%	510	468	91.8%	344	288	83.7%	275	143	52.0%	1,243	977	78.6%
Bulk Carrier	1,841	1,453	78.9%	6,831	6,305	92.3%	1,769	1,619	91.5%	448	284	63.4%	10,889	9,661	88.7%
Oil tanker	1,113	667	59.9%	3,243	2,109	65.0%	1,643	1,084	66.0%	1,981	221	11.2%	7,980	4,081	51.1%
Chemical tanker	742	571	77.0%	2,281	1,919	84.1%	977	815	83.4%	547	133	24.3%	4,547	3,438	75.6%
Combination carrier	3	3	100.0%	12	9	75.0%	14	14	100.0%	27	6	22.2%	56	32	57.1%
Gas carrier	403	301	74.7%	834	729	87.4%	376	283	75.3%	330	126	38.2%	1,943	1,439	74.1%
NLS Tanker	75	75	100.0%	139	139	100.0%	96	96	100.0%	14	5	35.7%	324	315	97.2%
High speed passenger craft	5	5	100.0%	7	7	100.0%	35	35	100.0%	4	4	100.0%	51	51	100.0%
Passenger Ship	224	81	36.2%	415	187	45.1%	387	164	42.4%	575	158	27.5%	1,601	590	36.9%
RoRo passenger ship	275	34	12.4%	479	66	13.8%	455	112	24.6%	1,055	193	18.3%	2,264	405	17.9%
Offshore supply	460	115	25.0%	2,534	589	23.2%	646	168	26.0%	1,087	97	8.9%	4,727	969	20.5%
Special purpose ship	46	28	60.9%	141	97	68.8%	60	36	60.0%	296	64	21.6%	543	225	41.4%
Tug	100	18	18.0%	347	112	32.3%	109	18	16.5%	461	39	8.5%	1,017	187	18.4%
Other special activities	450	121	26.9%	1,219	454	37.2%	562	168	29.9%	1,578	254	16.1%	3,809	997	26.2%
Other	85	26	30.6%	220	112	50.9%	142	69	48.6%	377	136	36.1%	824	343	41.6%
Total	7,512	4,504	60%	26,182	18,517	71%	11,610	8,033	69%	15,343	4,587	30%	60,647	35,641	59%

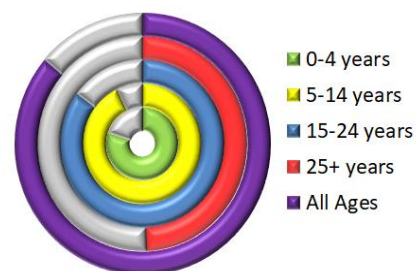
Table 117 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and age

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	8,150	6,740	82.7%	29,719	25,869	87.0%	15,020	12,950	86.2%	14,584	8,188	56.1%	67,473	53,747	79.7%
Refrigerated Cargo	396	180	45.5%	377	285	75.6%	849	813	95.8%	2,780	2,138	76.9%	4,402	3,416	77.6%
Heavy load	666	418	62.8%	1,177	874	74.3%	409	394	96.3%	813	789	97.0%	3,065	2,475	80.8%
Container	48,522	43,975	90.6%	145,034	142,393	98.2%	46,465	43,792	94.2%	4,019	2,855	71.0%	244,040	233,015	95.5%
Ro-Ro cargo	5,195	4,704	90.5%	24,380	23,903	98.0%	11,396	10,863	95.3%	2,746	1,979	72.1%	43,717	41,449	94.8%
Bulk Carrier	92,035	71,509	77.7%	296,233	283,377	95.7%	61,767	57,400	92.9%	13,541	9,808	72.4%	463,576	422,094	91.1%
Oil tanker	62,396	48,459	77.7%	138,823	127,709	92.0%	78,584	62,639	79.7%	9,462	1,482	15.7%	289,265	240,289	83.1%
Chemical tanker	14,058	11,318	80.5%	34,943	32,311	92.5%	12,300	11,125	90.4%	1,856	698	37.6%	63,157	55,452	87.8%
Combination carrier	54	54	100.0%	139	127	91.4%	380	380	100.0%	91	16	17.6%	664	577	86.9%
Gas carrier	23,500	19,893	84.7%	37,767	36,294	96.1%	12,572	10,403	82.7%	4,298	3,387	78.8%	78,137	69,977	89.6%
NLS Tanker	5,660	5,660	100.0%	5,480	5,480	100.0%	4,497	4,497	100.0%	63	53	84.1%	15,700	15,690	99.9%
High speed passenger craft	33	33	100.0%	51	51	100.0%	153	153	100.0%	12	12	100.0%	249	249	100.0%
Passenger Ship	5,949	5,329	89.6%	8,429	8,046	95.5%	8,155	7,704	94.5%	3,856	3,171	82.2%	26,389	24,250	91.9%
RoRo passenger ship	1,685	546	32.4%	4,157	2,131	51.3%	4,896	2,970	60.7%	6,336	3,634	57.4%	17,074	9,281	54.4%
Offshore supply	2,346	598	25.5%	7,971	2,347	29.4%	1,742	570	32.7%	2,122	266	12.5%	14,181	3,781	26.7%
Special purpose ship	447	336	75.2%	1,716	1,439	83.9%	695	369	53.1%	1,144	281	24.6%	4,002	2,425	60.6%
Tug	119	48	40.3%	457	229	50.1%	104	24	23.1%	422	48	11.4%	1,102	349	31.7%
Other special activities	11,129	6,082	54.7%	15,609	6,646	42.6%	9,413	2,639	28.0%	14,325	1,651	11.5%	50,476	17,018	33.7%
Other	843	422	50.1%	3,417	2,890	84.6%	1,888	1,523	80.7%	1,647	1,084	65.8%	7,795	5,919	75.9%
Total	283,183	226,304	80%	755,879	702,401	93%	271,285	231,208	85%	84,117	41,540	49%	1,394,464	1,201,453	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

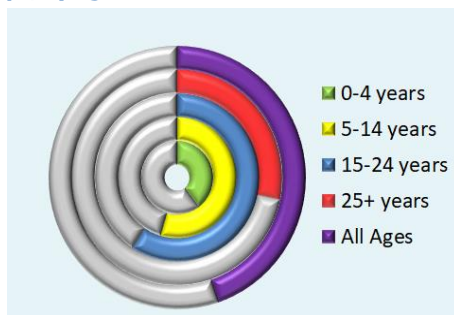
Table 118 - Total number of medium sized ships with and without inspections, by PSC type and age

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	715	323	45.2%	3,978	2,444	61.4%	2,251	1,533	68.1%	5,256	2,117	40.3%	12,200	6,417	52.6%
Refrigerated Cargo	79	19	24.1%	72	32	44.4%	121	97	80.2%	690	390	56.5%	962	538	55.9%
Heavy load	10	7	70.0%	42	32	76.2%	14	13	92.9%	7	4	57.1%	73	56	76.7%
Container	267	138	51.7%	892	767	86.0%	769	623	81.0%	216	108	50.0%	2,144	1,636	76.3%
Ro-Ro cargo	39	8	20.5%	80	43	53.8%	170	116	68.2%	254	122	48.0%	543	289	53.2%
Bulk Carrier	303	225	74.3%	1,863	1,606	86.2%	508	470	92.5%	256	164	64.1%	2,930	2,465	84.1%
Oil tanker	442	114	25.8%	1,544	513	33.2%	631	258	40.9%	1,905	206	10.8%	4,522	1,091	24.1%
Chemical tanker	422	321	76.1%	1,595	1,276	80.0%	787	641	81.4%	544	131	24.1%	3,348	2,369	70.8%
Combination carrier	2	2	100.0%	9	6	66.7%	8	8	100.0%	27	6	22.2%	46	22	47.8%
Gas carrier	131	70	53.4%	443	349	78.8%	238	165	69.3%	280	85	30.4%	1,092	669	61.3%
NLS Tanker	12	12	100.0%	64	64	100.0%	40	40	100.0%	13	4	30.8%	129	120	93.0%
High speed passenger craft	5	5	100.0%	7	7	100.0%	35	35	100.0%	4	4	100.0%	51	51	100.0%
Passenger Ship	180	40	22.2%	344	116	33.7%	290	68	23.4%	529	112	21.2%	1,343	336	25.0%
RoRo passenger ship	261	25	9.6%	419	16	3.8%	372	51	13.7%	990	134	13.5%	2,042	226	11.1%
Offshore supply	456	115	25.2%	2,523	588	23.3%	643	167	26.0%	1,080	95	8.8%	4,702	965	20.5%
Special purpose ship	43	25	58.1%	127	86	67.7%	56	34	60.7%	294	64	21.8%	520	209	40.2%
Tug	100	18	18.0%	347	112	32.3%	109	18	16.5%	461	39	8.5%	1,017	187	18.4%
Other special activities	360	65	18.1%	1,029	355	34.5%	471	132	28.0%	1,460	237	16.2%	3,320	789	23.8%
Other	76	20	26.3%	163	56	34.4%	110	42	38.2%	364	124	34.1%	713	242	33.9%
Total	3,903	1,552	40%	15,541	8,468	54%	7,623	4,511	59%	14,630	4,146	28%	41,697	18,677	45%

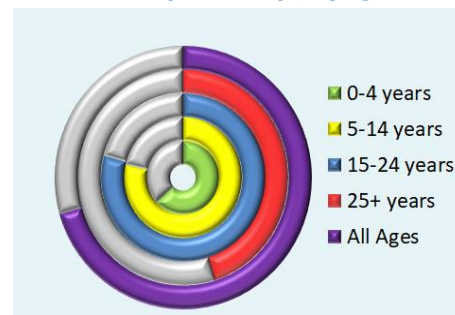
Table 119 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and age

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	4,461	3,214	72.0%	23,190	19,340	83.4%	10,994	9,088	82.7%	13,348	6,990	52.4%	51,993	38,632	74.3%
Refrigerated Cargo	396	180	45.5%	377	285	75.6%	783	747	95.4%	2,699	2,138	79.2%	4,255	3,350	78.7%
Heavy load	118	100	84.7%	554	437	78.9%	156	141	90.4%	55	31	56.4%	883	709	80.3%
Container	3,511	2,167	61.7%	10,748	9,988	92.9%	9,004	7,681	85.3%	1,853	1,080	58.3%	25,116	20,916	83.3%
Ro-Ro cargo	414	99	23.9%	1,000	690	69.0%	2,196	1,794	81.7%	1,751	984	56.2%	5,361	3,567	66.5%
Bulk Carrier	6,042	4,995	82.7%	34,371	30,611	89.1%	8,159	7,712	94.5%	3,729	2,503	67.1%	52,301	45,821	87.6%
Oil tanker	2,080	797	38.3%	7,032	3,685	52.4%	4,519	2,924	64.7%	4,422	584	13.2%	18,053	7,990	44.3%
Chemical tanker	4,440	3,827	86.2%	14,616	13,265	90.8%	6,856	6,120	89.3%	1,754	626	35.7%	27,666	23,838	86.2%
Combination carrier	24	24	100.0%	54	42	77.8%	123	123	100.0%	91	16	17.6%	292	205	70.2%
Gas carrier	1,236	905	73.2%	3,432	3,083	89.8%	1,371	1,066	77.8%	847	439	51.8%	6,886	5,493	79.8%
NLS Tanker	150	150	100.0%	569	569	100.0%	370	370	100.0%	18	8	44.4%	1,107	1,097	99.1%
High speed passenger craft	33	33	100.0%	51	51	100.0%	153	153	100.0%	12	12	100.0%	249	249	100.0%
Passenger Ship	549	224	40.8%	607	224	36.9%	602	232	38.5%	1,451	766	52.8%	3,209	1,446	45.1%
RoRo passenger ship	1,174	227	19.3%	1,899	190	10.0%	1,954	735	37.6%	4,207	1,682	40.0%	9,234	2,834	30.7%
Offshore supply	2,148	598	27.8%	7,563	2,321	30.7%	1,502	487	32.4%	1,686	179	10.6%	12,899	3,585	27.8%
Special purpose ship	348	237	68.1%	732	578	79.0%	399	279	69.9%	1,075	281	26.1%	2,554	1,375	53.8%
Tug	119	48	40.3%	457	229	50.1%	104	24	23.1%	422	48	11.4%	1,102	349	31.7%
Other special activities	1,473	447	30.3%	3,621	1,701	47.0%	1,562	705	45.1%	3,272	794	24.3%	9,928	3,647	36.7%
Other	363	116	32.0%	816	330	40.4%	514	329	64.0%	1,134	597	52.6%	2,827	1,372	48.5%
Total	29,079	18,388	63%	111,689	87,619	78%	51,321	40,710	79%	43,826	19,758	45%	235,915	166,475	71%

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

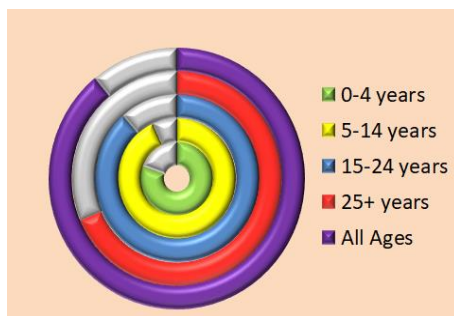
Table 120 - Total number of large ships with and without inspections, by PSC type and age

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	88	84	95.5%	174	174	100.0%	100	94	94.0%	39	38	97.4%	401	390	97.3%
Refrigerated Cargo							2	2	100.0%	2		0.0%	4	2	50.0%
Heavy load	8	6	75.0%	10	9	90.0%	6	6	100.0%	21	21	100.0%	45	42	93.3%
Container	138	91	65.9%	881	838	95.1%	447	412	92.2%	54	43	79.6%	1,520	1,384	91.1%
Ro-Ro cargo	20	16	80.0%	288	283	98.3%	136	136	100.0%	21	21	100.0%	465	456	98.1%
Bulk Carrier	1,190	968	81.3%	3,757	3,493	93.0%	1,082	971	89.7%	163	93	57.1%	6,192	5,525	89.2%
Oil tanker	119	95	79.8%	739	683	92.4%	564	458	81.2%	49	12	24.5%	1,471	1,248	84.8%
Chemical tanker	320	250	78.1%	686	643	93.7%	190	174	91.6%	3	2	66.7%	1,199	1,069	89.2%
Combination carrier	1	1	100.0%	3	3	100.0%	4	4	100.0%				8	8	100.0%
Gas carrier	132	111	84.1%	144	142	98.6%	49	45	91.8%	27	20	74.1%	352	318	90.3%
NLS Tanker	32	32	100.0%	43	43	100.0%	35	35	100.0%	1	1	100.0%	111	111	100.0%
High speed passenger craft															
Passenger Ship	11	10	90.9%	6	6	100.0%	22	22	100.0%	31	31	100.0%	70	69	98.6%
RoRo passenger ship	14	9	64.3%	55	45	81.8%	82	60	73.2%	65	59	90.8%	216	173	80.1%
Offshore supply	2		0.0%	10	1	10.0%	1		0.0%	4	2	50.0%	17	3	17.6%
Special purpose ship	3	3	100.0%	12	9	75.0%	2	2	100.0%	2		0.0%	19	14	73.7%
Tug															
Other special activities	34	24	70.6%	123	89	72.4%	44	31	70.5%	41	13	31.7%	242	157	64.9%
Other	5	4	80.0%	51	50	98.0%	29	24	82.8%	13	12	92.3%	98	90	91.8%
Total	2,117	1,704	80%	6,982	6,511	93%	2,795	2,476	89%	536	368	69%	12,430	11,059	89%

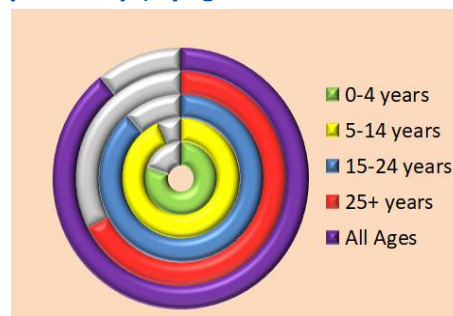
Table 121 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,134	2,971	94.8%	6,012	6,012	100.0%	3,405	3,241	95.2%	1,236	1,198	96.9%	13,787	13,422	97.4%
Refrigerated Cargo							66	66	100.0%	81		0.0%	147	66	44.9%
Heavy load	330	233	70.6%	403	345	85.6%	253	253	100.0%	758	758	100.0%	1,744	1,589	91.1%
Container	4,441	2,953	66.5%	35,016	33,135	94.6%	16,193	14,909	92.1%	1,974	1,583	80.2%	57,624	52,580	91.2%
Ro-Ro cargo	804	688	85.6%	14,028	13,861	98.8%	6,704	6,704	100.0%	995	995	100.0%	22,531	22,248	98.7%
Bulk Carrier	45,822	36,857	80.4%	141,865	133,322	94.0%	37,338	33,505	89.7%	5,467	3,105	56.8%	230,492	206,789	89.7%
Oil tanker	4,623	3,720	80.5%	29,715	27,500	92.5%	23,333	19,000	81.4%	2,102	469	22.3%	59,773	50,689	84.8%
Chemical tanker	9,618	7,491	77.9%	20,327	19,046	93.7%	5,444	5,005	91.9%	102	72	70.6%	35,491	31,614	89.1%
Combination carrier	30	30	100.0%	85	85	100.0%	115	115	100.0%				230	230	100.0%
Gas carrier	5,572	4,664	83.7%	6,459	6,385	98.9%	2,096	1,912	91.2%	1,192	887	74.4%	15,319	13,848	90.4%
NLS Tanker	1,267	1,267	100.0%	1,538	1,538	100.0%	1,374	1,374	100.0%	45	45	100.0%	4,224	4,224	100.0%
High speed passenger craft															
Passenger Ship	533	477	89.5%	228	228	100.0%	780	780	100.0%	1,338	1,338	100.0%	2,879	2,823	98.1%
RoRo passenger ship	511	319	62.4%	1,927	1,610	83.5%	2,867	2,160	75.3%	2,129	1,952	91.7%	7,434	6,041	81.3%
Offshore supply	55		0.0%	348	26	7.5%	34		0.0%	172	87	50.6%	609	113	18.6%
Special purpose ship	99	99	100.0%	479	356	74.3%	90	90	100.0%	69		0.0%	737	545	73.9%
Tug															
Other special activities	1,475	972	65.9%	5,579	3,924	70.3%	1,893	1,225	64.7%	1,782	474	26.6%	10,729	6,595	61.5%
Other	208	172	82.7%	2,217	2,176	98.2%	1,192	1,012	84.9%	513	487	94.9%	4,130	3,847	93.1%
Total	78,522	62,913	80%	266,226	249,549	94%	103,177	91,351	89%	19,955	13,450	67%	467,880	417,263	89%

Graph 111 - Proportion of large inspected ships, by age



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



VERY LARGE SHIPS

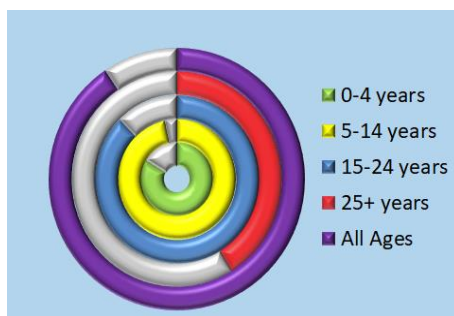
Table 122 - Total number of very large ships with and without inspections, by age and size

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	6	6	100.0%	7	7	100.0%	9	9	100.0%				22	22	100.0%
Refrigerated Cargo															
Heavy load	3	1	33.3%	3	1	33.3%							6	2	33.3%
Container	262	253	96.6%	911	911	100.0%	276	275	99.6%	3	3	100.0%	1,452	1,442	99.3%
Ro-Ro cargo	55	54	98.2%	142	142	100.0%	38	36	94.7%				235	232	98.7%
Bulk Carrier	348	260	74.7%	1,211	1,206	99.6%	179	178	99.4%	29	27	93.1%	1,767	1,671	94.6%
Oil tanker	552	458	83.0%	960	913	95.1%	448	368	82.1%	27	3	11.1%	1,987	1,742	87.7%
Chemical tanker															
Combination carrier							2	2	100.0%				2	2	100.0%
Gas carrier	140	120	85.7%	247	238	96.4%	89	73	82.0%	23	21	91.3%	499	452	90.6%
NLS Tanker	31	31	100.0%	32	32	100.0%	21	21	100.0%				84	84	100.0%
High speed passenger craft															
Passenger Ship	33	31	93.9%	65	65	100.0%	75	74	98.7%	15	15	100.0%	188	185	98.4%
RoRo passenger ship				5	5	100.0%	1	1	100.0%				6	6	100.0%
Offshore supply	2		0.0%	1		0.0%	2	1	50.0%	3		0.0%	8	1	12.5%
Special purpose ship				2	2	100.0%	2		0.0%				4	2	50.0%
Tug															
Other special activities	56	32	57.1%	67	10	14.9%	47	5	10.6%	77	4	5.2%	247	51	20.6%
Other	4	2	50.0%	6	6	100.0%	3	3	100.0%				13	11	84.6%
Total	1,492	1,248	84%	3,659	3,538	97%	1,192	1,046	88%	177	73	41%	6,520	5,905	91%

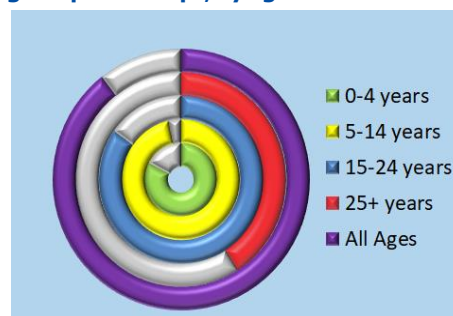
Table 123 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by age and size

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	555	555	100.0%	517	517	100.0%	621	621	100.0%				1,693	1,693	100.0%
Refrigerated Cargo															
Heavy load	218	85	39.0%	220	92	41.8%							438	177	40.4%
Container	40,570	38,855	95.8%	99,270	99,270	100.0%	21,268	21,202	99.7%	192	192	100.0%	161,300	159,519	98.9%
Ro-Ro cargo	3,977	3,917	98.5%	9,352	9,352	100.0%	2,496	2,365	94.8%				15,825	15,634	98.8%
Bulk Carrier	40,171	29,657	73.8%	119,997	119,444	99.5%	16,270	16,183	99.5%	4,345	4,200	96.7%	180,783	169,484	93.7%
Oil tanker	55,693	43,942	78.9%	102,076	96,524	94.6%	50,732	40,715	80.3%	2,938	429	14.6%	211,439	181,610	85.9%
Chemical tanker															
Combination carrier							142	142	100.0%				142	142	100.0%
Gas carrier	16,692	14,324	85.8%	27,876	26,826	96.2%	9,105	7,425	81.5%	2,259	2,061	91.2%	55,932	50,636	90.5%
NLS Tanker	4,243	4,243	100.0%	3,373	3,373	100.0%	2,753	2,753	100.0%				10,369	10,369	100.0%
High speed passenger craft															
Passenger Ship	4,867	4,628	95.1%	7,594	7,594	100.0%	6,773	6,692	98.8%	1,067	1,067	100.0%	20,301	19,981	98.4%
RoRo passenger ship				331	331	100.0%	75	75	100.0%				406	406	100.0%
Offshore supply	143		0.0%	60		0.0%	206	83	40.3%	264		0.0%	673	83	12.3%
Special purpose ship				505	505	100.0%	206		0.0%				711	505	71.0%
Tug															
Other special activities	8,181	4,663	57.0%	6,409	1,021	15.9%	5,958	709	11.9%	9,271	383	4.1%	29,819	6,776	22.7%
Other	272	134	49.3%	384	384	100.0%	182	182	100.0%				838	700	83.5%
Total	175,582	145,003	83%	377,964	365,233	97%	116,787	99,147	85%	20,336	8,332	41%	690,669	617,715	89%

Graph 113 - Proportion of very large inspected ships, by age



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



5.3. SHIPS INSPECTED BETWEEN 2017 AND 2019 – BY P&I

WHOLE FLEET GT≥500

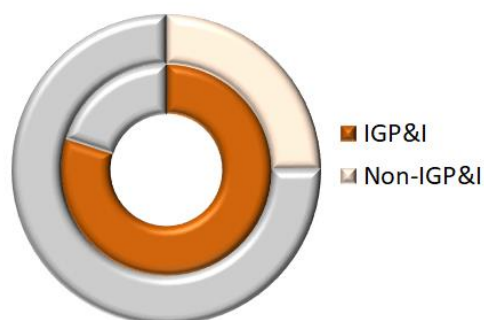
Table 124 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,352	3,775	86.7%	8,271	3,054	36.9%	12,623	6,829	54.1%
Refrigerated Cargo	337	275	81.6%	629	265	42.1%	966	540	55.9%
Heavy load	101	91	90.1%	23	9	39.1%	124	100	80.6%
Container	4,508	4,237	94.0%	608	225	37.0%	5,116	4,462	87.2%
Ro-Ro cargo	926	872	94.2%	317	105	33.1%	1,243	977	78.6%
Bulk Carrier	9,631	9,109	94.6%	1,258	552	43.9%	10,889	9,661	88.7%
Oil tanker	5,065	3,719	73.4%	2,915	362	12.4%	7,980	4,081	51.1%
Chemical tanker	3,715	3,255	87.6%	832	183	22.0%	4,547	3,438	75.6%
Combination carrier	30	26	86.7%	26	6	23.1%	56	32	57.1%
Gas carrier	1,538	1,347	87.6%	405	92	22.7%	1,943	1,439	74.1%
NLS Tanker	298	298	100.0%	26	17	65.4%	324	315	97.2%
High speed passenger craft	42	42	100.0%	9	9	100.0%	51	51	100.0%
Passenger Ship	728	431	59.2%	873	159	18.2%	1,601	590	36.9%
RoRo passenger ship	712	327	45.9%	1,552	78	5.0%	2,264	405	17.9%
Offshore supply	2,966	804	27.1%	1,761	165	9.4%	4,727	969	20.5%
Special purpose ship	244	169	69.3%	299	56	18.7%	543	225	41.4%
Tug	495	151	30.5%	522	36	6.9%	1,017	187	18.4%
Other special activities	1,393	702	50.4%	2,416	295	12.2%	3,809	997	26.2%
Other	275	218	79.3%	549	125	22.8%	824	343	41.6%
Total	37,356	29,848	80%	23,291	5,793	25%	60,647	35,641	59%

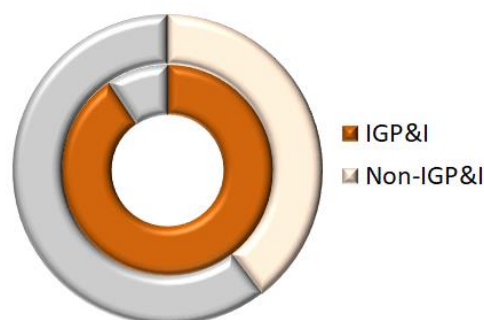
Table 125 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	44,030	41,886	95.1%	23,443	11,861	50.6%	67,473	53,747	79.7%
Refrigerated Cargo	2,323	2,152	92.6%	2,079	1,264	60.8%	4,402	3,416	77.6%
Heavy load	2,650	2,361	89.1%	417	114	27.3%	3,067	2,475	80.7%
Container	235,748	229,357	97.3%	8,293	3,658	44.1%	244,041	233,015	95.5%
Ro-Ro cargo	41,136	40,274	97.9%	2,581	1,176	45.6%	43,717	41,450	94.8%
Bulk Carrier	435,886	410,908	94.3%	27,690	11,186	40.4%	463,576	422,094	91.1%
Oil tanker	265,304	228,284	86.0%	23,960	12,007	50.1%	289,264	240,291	83.1%
Chemical tanker	59,636	54,073	90.7%	3,522	1,379	39.2%	63,158	55,452	87.8%
Combination carrier	558	526	94.3%	107	51	47.7%	665	577	86.8%
Gas carrier	76,323	69,095	90.5%	1,814	883	48.7%	78,137	69,978	89.6%
NLS Tanker	15,488	15,488	100.0%	211	201	95.3%	15,699	15,689	99.9%
High speed passenger craft	229	229	100.0%	20	20	100.0%	249	249	100.0%
Passenger Ship	24,551	23,661	96.4%	1,838	589	32.0%	26,389	24,250	91.9%
RoRo passenger ship	11,219	8,491	75.7%	5,855	789	13.5%	17,074	9,280	54.4%
Offshore supply	10,602	3,321	31.3%	3,580	459	12.8%	14,182	3,780	26.7%
Special purpose ship	2,915	2,131	73.1%	1,086	295	27.2%	4,001	2,426	60.6%
Tug	629	313	49.8%	473	36	7.6%	1,102	349	31.7%
Other special activities	37,063	15,335	41.4%	13,412	1,682	12.5%	50,475	17,017	33.7%
Other	5,713	5,087	89.0%	2,080	833	40.0%	7,793	5,920	76.0%
Total	1,272,003	1,152,972	91%	122,461	48,483	40%	1,394,464	1,201,455	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



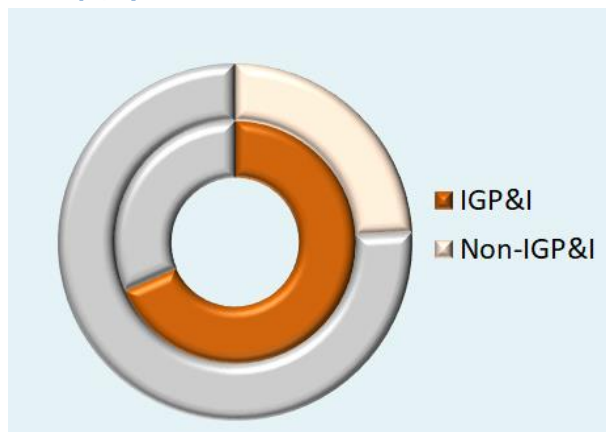
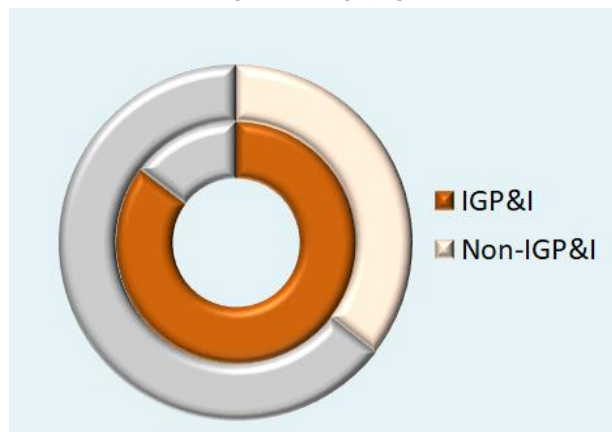
MEDIUM SHIPS

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	3,950	3,376	85.5%	8,250	3,041	36.9%	12,200	6,417	52.6%
Refrigerated Cargo	335	273	81.5%	627	265	42.3%	962	538	55.9%
Heavy load	54	48	88.9%	19	8	42.1%	73	56	76.7%
Container	1,644	1,456	88.6%	500	180	36.0%	2,144	1,636	76.3%
Ro-Ro cargo	234	192	82.1%	309	97	31.4%	543	289	53.2%
Bulk Carrier	2,197	2,105	95.8%	733	360	49.1%	2,930	2,465	84.1%
Oil tanker	1,784	837	46.9%	2,738	254	9.3%	4,522	1,091	24.1%
Chemical tanker	2,543	2,199	86.5%	805	170	21.1%	3,348	2,369	70.8%
Combination carrier	20	16	80.0%	26	6	23.1%	46	22	47.8%
Gas carrier	704	588	83.5%	388	81	20.9%	1,092	669	61.3%
NLS Tanker	107	107	100.0%	22	13	59.1%	129	120	93.0%
High speed passenger craft	42	42	100.0%	9	9	100.0%	51	51	100.0%
Passenger Ship	473	180	38.1%	870	156	17.9%	1,343	336	25.0%
RoRo passenger ship	505	156	30.9%	1,537	70	4.6%	2,042	226	11.1%
Offshore supply	2,947	801	27.2%	1,755	164	9.3%	4,702	965	20.5%
Special purpose ship	223	154	69.1%	297	55	18.5%	520	209	40.2%
Tug	495	151	30.5%	522	36	6.9%	1,017	187	18.4%
Other special activities	1,007	508	50.4%	2,313	281	12.1%	3,320	789	23.8%
Other	175	125	71.4%	538	117	21.7%	713	242	33.9%
Total	19,439	13,314	68%	22,258	5,363	24%	41,697	18,677	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	29,179	27,157	93.1%	22,815	11,476	50.3%	51,994	38,633	74.3%
Refrigerated Cargo	2,257	2,086	92.4%	1,998	1,264	63.3%	4,255	3,350	78.7%
Heavy load	708	636	89.8%	176	74	42.0%	884	710	80.3%
Container	21,509	19,462	90.5%	3,607	1,453	40.3%	25,116	20,915	83.3%
Ro-Ro cargo	3,268	2,880	88.1%	2,092	687	32.8%	5,360	3,567	66.5%
Bulk Carrier	42,959	41,294	96.1%	9,341	4,527	48.5%	52,300	45,821	87.6%
Oil tanker	10,767	7,015	65.2%	7,286	975	13.4%	18,053	7,990	44.3%
Chemical tanker	24,941	22,849	91.6%	2,725	989	36.3%	27,666	23,838	86.2%
Combination carrier	186	154	82.8%	107	51	47.7%	293	205	70.0%
Gas carrier	5,972	5,106	85.5%	915	387	42.3%	6,887	5,493	79.8%
NLS Tanker	1,022	1,022	100.0%	84	74	88.1%	1,106	1,096	99.1%
High speed passenger craft	229	229	100.0%	20	20	100.0%	249	249	100.0%
Passenger Ship	1,515	1,000	66.0%	1,694	445	26.3%	3,209	1,445	45.0%
RoRo passenger ship	3,880	2,307	59.5%	5,354	526	9.8%	9,234	2,833	30.7%
Offshore supply	9,584	3,208	33.5%	3,316	376	11.3%	12,900	3,584	27.8%
Special purpose ship	1,550	1,108	71.5%	1,004	268	26.7%	2,554	1,376	53.9%
Tug	629	313	49.8%	473	36	7.6%	1,102	349	31.7%
Other special activities	4,614	2,902	62.9%	5,314	744	14.0%	9,928	3,646	36.7%
Other	1,179	869	73.7%	1,647	503	30.5%	2,826	1,372	48.5%
Total	165,948	141,597	85%	69,968	24,875	36%	235,916	166,472	71%

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**

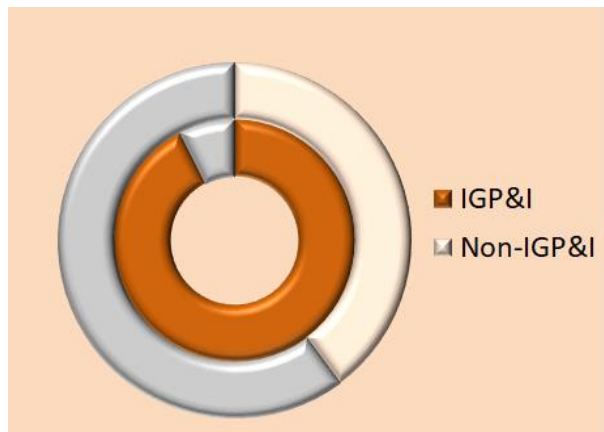
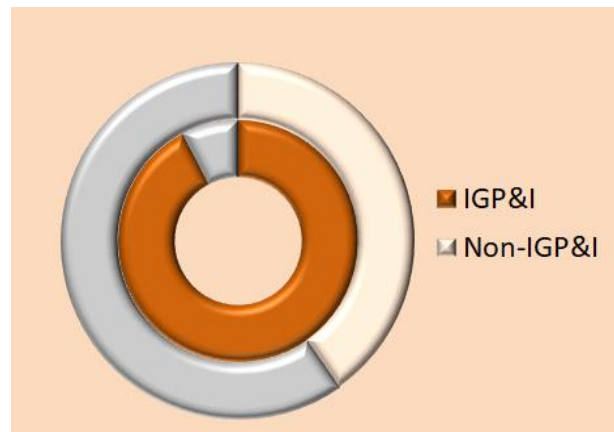
LARGE SHIPS

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	380	377	99.2%	21	13	61.9%	401	390	97.3%
Refrigerated Cargo	2	2	100.0%	2		0.0%	4	2	50.0%
Heavy load	44	41	93.2%	1	1	100.0%	45	42	93.3%
Container	1,421	1,346	94.7%	99	38	38.4%	1,520	1,384	91.1%
Ro-Ro cargo	459	450	98.0%	6	6	100.0%	465	456	98.1%
Bulk Carrier	5,686	5,340	93.9%	506	185	36.6%	6,192	5,525	89.2%
Oil tanker	1,402	1,215	86.7%	69	33	47.8%	1,471	1,248	84.8%
Chemical tanker	1,172	1,056	90.1%	27	13	48.1%	1,199	1,069	89.2%
Combination carrier	8	8	100.0%				8	8	100.0%
Gas carrier	337	307	91.1%	15	11	73.3%	352	318	90.3%
NLS Tanker	107	107	100.0%	4	4	100.0%	111	111	100.0%
High speed passenger craft									
Passenger Ship	67	66	98.5%	3	3	100.0%	70	69	98.6%
RoRo passenger ship	201	165	82.1%	15	8	53.3%	216	173	80.1%
Offshore supply	12	3	25.0%	5		0.0%	17	3	17.6%
Special purpose ship	17	13	76.5%	2	1	50.0%	19	14	73.7%
Tug									
Other special activities	199	151	75.9%	43	6	14.0%	242	157	64.9%
Other	87	82	94.3%	11	8	72.7%	98	90	91.8%
Total	11,601	10,729	92%	829	330	40%	12,430	11,059	89%

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

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	13,159	13,037	99.1%	628	385	61.3%	13,787	13,422	97.4%
Refrigerated Cargo	66	66	100.0%	81		0.0%	147	66	44.9%
Heavy load	1,705	1,549	90.9%	40	40	100.0%	1,745	1,589	91.1%
Container	54,039	51,100	94.6%	3,585	1,481	41.3%	57,624	52,581	91.2%
Ro-Ro cargo	22,188	21,905	98.7%	344	344	100.0%	22,532	22,249	98.7%
Bulk Carrier	213,935	200,769	93.8%	16,557	6,020	36.4%	230,492	206,789	89.7%
Oil tanker	56,852	49,229	86.6%	2,920	1,461	50.0%	59,772	50,690	84.8%
Chemical tanker	34,695	31,224	90.0%	797	390	48.9%	35,492	31,614	89.1%
Combination carrier	230	230	100.0%				230	230	100.0%
Gas carrier	14,652	13,352	91.1%	667	496	74.4%	15,319	13,848	90.4%
NLS Tanker	4,097	4,097	100.0%	127	127	100.0%	4,224	4,224	100.0%
High speed passenger craft									
Passenger Ship	2,735	2,679	98.0%	144	144	100.0%	2,879	2,823	98.1%
RoRo passenger ship	6,933	5,778	83.3%	501	263	52.5%	7,434	6,041	81.3%
Offshore supply	427	113	26.5%	181		0.0%	608	113	18.6%
Special purpose ship	654	518	79.2%	82	27	32.9%	736	545	74.0%
Tug									
Other special activities	8,680	6,362	73.3%	2,048	232	11.3%	10,728	6,594	61.5%
Other	3,696	3,518	95.2%	433	330	76.2%	4,129	3,848	93.2%
Total	438,743	405,526	92%	29,135	11,740	40%	467,878	417,266	89%

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**

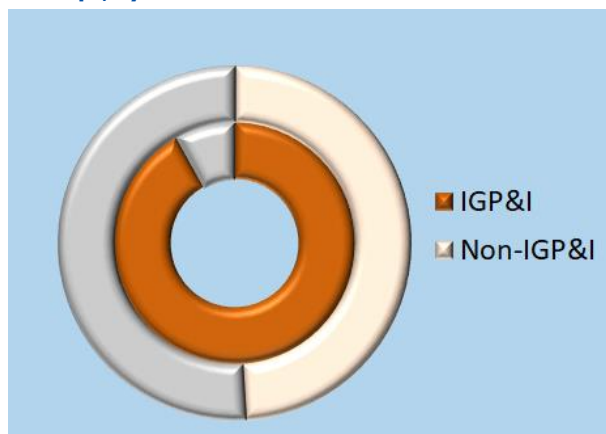
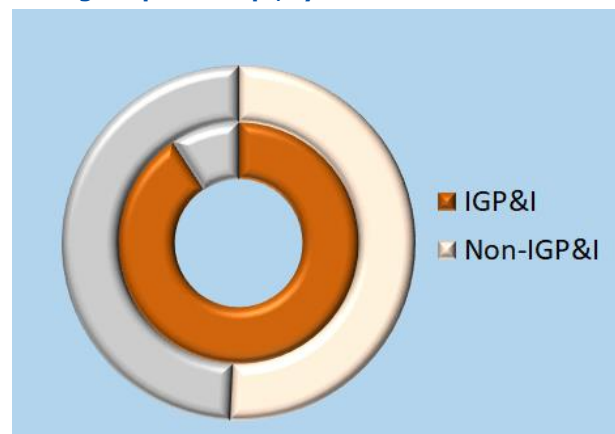
VERY LARGE SHIPS

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	22	22	100.0%				22	22	100.0%
Refrigerated Cargo									
Heavy load	3	2	66.7%	3		0.0%	6	2	33.3%
Container	1,443	1,435	99.4%	9	7	77.8%	1,452	1,442	99.3%
Ro-Ro cargo	233	230	98.7%	2	2	100.0%	235	232	98.7%
Bulk Carrier	1,748	1,664	95.2%	19	7	36.8%	1,767	1,671	94.6%
Oil tanker	1,879	1,667	88.7%	108	75	69.4%	1,987	1,742	87.7%
Chemical tanker									
Combination carrier	2	2	100.0%				2	2	100.0%
Gas carrier	497	452	90.9%	2		0.0%	499	452	90.6%
NLS Tanker	84	84	100.0%				84	84	100.0%
High speed passenger craft									
Passenger Ship	188	185	98.4%				188	185	98.4%
RoRo passenger ship	6	6	100.0%				6	6	100.0%
Offshore supply	7		0.0%	1	1	100.0%	8	1	12.5%
Special purpose ship	4	2	50.0%				4	2	50.0%
Tug									
Other special activities	187	43	23.0%	60	8	13.3%	247	51	20.6%
Other	13	11	84.6%				13	11	84.6%
Total	6,316	5,805	92%	204	100	49%	6,520	5,905	91%

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	1,692	1,692	100.0%				1,692	1,692	100.0%
Refrigerated Cargo									
Heavy load	237	176	74.3%	201		0.0%	438	176	40.2%
Container	160,200	158,795	99.1%	1,101	724	65.8%	161,301	159,519	98.9%
Ro-Ro cargo	15,680	15,489	98.8%	145	145	100.0%	15,825	15,634	98.8%
Bulk Carrier	178,992	168,845	94.3%	1,792	639	35.7%	180,784	169,484	93.7%
Oil tanker	197,685	172,040	87.0%	13,754	9,571	69.6%	211,439	181,611	85.9%
Chemical tanker									
Combination carrier	142	142	100.0%				142	142	100.0%
Gas carrier	55,699	50,637	90.9%	232		0.0%	55,931	50,637	90.5%
NLS Tanker	10,369	10,369	100.0%				10,369	10,369	100.0%
High speed passenger craft									
Passenger Ship	20,301	19,982	98.4%				20,301	19,982	98.4%
RoRo passenger ship	406	406	100.0%				406	406	100.0%
Offshore supply	591		0.0%	83	83	100.0%	674	83	12.3%
Special purpose ship	711	505	71.0%				711	505	71.0%
Tug									
Other special activities	23,769	6,071	25.5%	6,050	706	11.7%	29,819	6,777	22.7%
Other	838	700	83.5%				838	700	83.5%
Total	667,312	605,849	91%	23,358	11,868	51%	690,670	617,717	89%

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

5.4. SHIPS INSPECTED BETWEEN 2017 AND 2019 – 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	4,348	3,322	76.4%	8,275	3,507	42.4%	12,623	6,829	54.1%
Refrigerated Cargo	284	224	78.9%	682	316	46.3%	966	540	55.9%
Heavy load	25	23	92.0%	99	77	77.8%	124	100	80.6%
Container	1,932	1,862	96.4%	3,184	2,600	81.7%	5,116	4,462	87.2%
Ro-Ro cargo	406	355	87.4%	837	622	74.3%	1,243	977	78.6%
Bulk Carrier	4,754	4,540	95.5%	6,135	5,121	83.5%	10,889	9,661	88.7%
Oil tanker	2,277	1,666	73.2%	5,703	2,415	42.3%	7,980	4,081	51.1%
Chemical tanker	1,395	1,185	84.9%	3,152	2,253	71.5%	4,547	3,438	75.6%
Combination carrier	13	10	76.9%	43	22	51.2%	56	32	57.1%
Gas carrier	586	512	87.4%	1,357	927	68.3%	1,943	1,439	74.1%
NLS Tanker	114	113	99.1%	210	202	96.2%	324	315	97.2%
High speed passenger craft	6	6	100.0%	45	45	100.0%	51	51	100.0%
Passenger Ship	296	164	55.4%	1,305	426	32.6%	1,601	590	36.9%
RoRo passenger ship	363	58	16.0%	1,901	347	18.3%	2,264	405	17.9%
Offshore supply	960	219	22.8%	3,767	750	19.9%	4,727	969	20.5%
Special purpose ship	92	46	50.0%	451	179	39.7%	543	225	41.4%
Tug	124	38	30.6%	893	149	16.7%	1,017	187	18.4%
Other special activities	637	306	48.0%	3,172	691	21.8%	3,809	997	26.2%
Other	228	167	73.2%	596	176	29.5%	824	343	41.6%
Total	18,840	14,816	79%	41,807	20,825	50%	60,647	35,641	59%

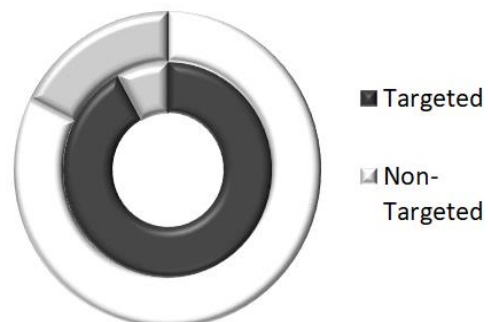
Table 133 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	25,962	23,612	90.9%	41,512	30,136	72.6%	67,474	53,748	79.7%
Refrigerated Cargo	1,629	1,512	92.8%	2,773	1,904	68.7%	4,402	3,416	77.6%
Heavy load	628	602	95.9%	2,439	1,872	76.8%	3,067	2,474	80.7%
Container	102,410	100,014	97.7%	141,631	133,001	93.9%	244,041	233,015	95.5%
Ro-Ro cargo	15,731	15,371	97.7%	27,984	26,077	93.2%	43,715	41,448	94.8%
Bulk Carrier	207,030	195,970	94.7%	256,547	226,124	88.1%	463,577	422,094	91.1%
Oil tanker	117,961	105,701	89.6%	171,303	134,590	78.6%	289,264	240,291	83.1%
Chemical tanker	20,492	18,580	90.7%	42,665	36,873	86.4%	63,157	55,453	87.8%
Combination carrier	202	192	95.0%	461	384	83.3%	663	576	86.9%
Gas carrier	21,466	18,819	87.7%	56,671	51,159	90.3%	78,137	69,978	89.6%
NLS Tanker	5,473	5,471	100.0%	10,228	10,219	99.9%	15,701	15,690	99.9%
High speed passenger craft	31	31	100.0%	218	218	100.0%	249	249	100.0%
Passenger Ship	7,559	7,279	96.3%	18,830	16,971	90.1%	26,389	24,250	91.9%
RoRo passenger ship	2,118	1,174	55.4%	14,956	8,107	54.2%	17,074	9,281	54.4%
Offshore supply	2,692	620	23.0%	11,490	3,160	27.5%	14,182	3,780	26.7%
Special purpose ship	1,357	870	64.1%	2,644	1,556	58.9%	4,001	2,426	60.6%
Tug	131	57	43.5%	972	291	29.9%	1,103	348	31.6%
Other special activities	13,702	6,789	49.5%	36,774	10,229	27.8%	50,476	17,018	33.7%
Other	3,600	3,386	94.1%	4,193	2,534	60.4%	7,793	5,920	76.0%
Total	550,174	506,050	92%	844,291	695,405	82%	1,394,465	1,201,455	86%

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



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



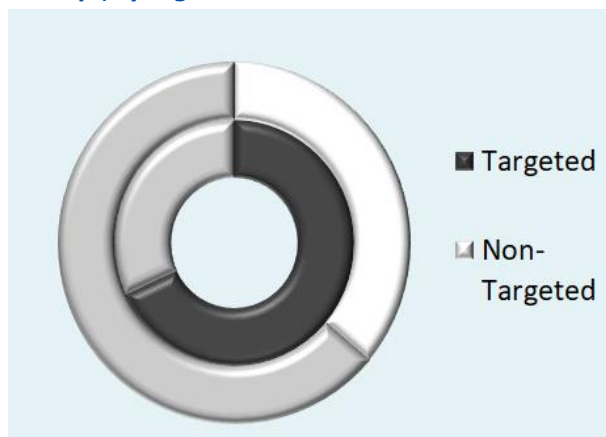
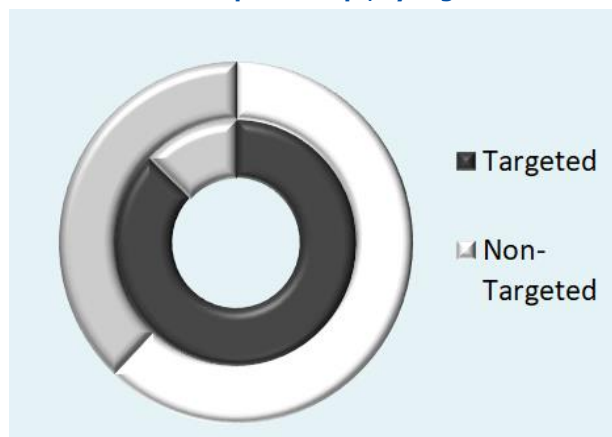
MEDIUM SIZED SHIPS

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	4,217	3,191	75.7%	7,983	3,226	40.4%	12,200	6,417	52.6%
Refrigerated Cargo	282	222	78.7%	680	316	46.5%	962	538	55.9%
Heavy load	13	11	84.6%	60	45	75.0%	73	56	76.7%
Container	677	623	92.0%	1,467	1,013	69.1%	2,144	1,636	76.3%
Ro-Ro cargo	151	101	66.9%	392	188	48.0%	543	289	53.2%
Bulk Carrier	1,301	1,257	96.6%	1,629	1,208	74.2%	2,930	2,465	84.1%
Oil tanker	855	354	41.4%	3,667	737	20.1%	4,522	1,091	24.1%
Chemical tanker	1,007	832	82.6%	2,341	1,537	65.7%	3,348	2,369	70.8%
Combination carrier	10	7	70.0%	36	15	41.7%	46	22	47.8%
Gas carrier	332	285	85.8%	760	384	50.5%	1,092	669	61.3%
NLS Tanker	41	40	97.6%	88	80	90.9%	129	120	93.0%
High speed passenger craft	6	6	100.0%	45	45	100.0%	51	51	100.0%
Passenger Ship	221	90	40.7%	1,122	246	21.9%	1,343	336	25.0%
RoRo passenger ship	332	32	9.6%	1,710	194	11.3%	2,042	226	11.1%
Offshore supply	956	219	22.9%	3,746	746	19.9%	4,702	965	20.5%
Special purpose ship	83	40	48.2%	437	169	38.7%	520	209	40.2%
Tug	124	38	30.6%	893	149	16.7%	1,017	187	18.4%
Other special activities	446	190	42.6%	2,874	599	20.8%	3,320	789	23.8%
Other	164	104	63.4%	549	138	25.1%	713	242	33.9%
Total	11,218	7,642	68%	30,479	11,035	36%	41,697	18,677	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	21,190	18,840	88.9%	30,804	19,793	64.3%	51,994	38,633	74.3%
Refrigerated Cargo	1,563	1,446	92.5%	2,692	1,904	70.7%	4,255	3,350	78.7%
Heavy load	152	126	82.9%	732	583	79.6%	884	709	80.2%
Container	9,027	8,581	95.1%	16,090	12,334	76.7%	25,117	20,915	83.3%
Ro-Ro cargo	1,410	1,083	76.8%	3,949	2,484	62.9%	5,359	3,567	66.6%
Bulk Carrier	23,457	22,787	97.1%	28,844	23,035	79.9%	52,301	45,822	87.6%
Oil tanker	3,878	2,451	63.2%	14,175	5,539	39.1%	18,053	7,990	44.3%
Chemical tanker	9,062	8,197	90.5%	18,604	15,642	84.1%	27,666	23,839	86.2%
Combination carrier	113	103	91.2%	179	102	57.0%	292	205	70.2%
Gas carrier	2,885	2,639	91.5%	4,002	2,854	71.3%	6,887	5,493	79.8%
NLS Tanker	324	322	99.4%	783	774	98.9%	1,107	1,096	99.0%
High speed passenger craft	31	31	100.0%	218	218	100.0%	249	249	100.0%
Passenger Ship	530	380	71.7%	2,679	1,065	39.8%	3,209	1,445	45.0%
RoRo passenger ship	1,159	355	30.6%	8,075	2,479	30.7%	9,234	2,834	30.7%
Offshore supply	2,476	620	25.0%	10,423	2,964	28.4%	12,899	3,584	27.8%
Special purpose ship	467	240	51.4%	2,087	1,136	54.4%	2,554	1,376	53.9%
Tug	131	57	43.5%	972	291	29.9%	1,103	348	31.6%
Other special activities	1,397	869	62.2%	8,531	2,778	32.6%	9,928	3,647	36.7%
Other	658	517	78.6%	2,168	856	39.5%	2,826	1,373	48.6%
Total	79,910	69,644	87%	156,007	96,831	62%	235,917	166,475	71%

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

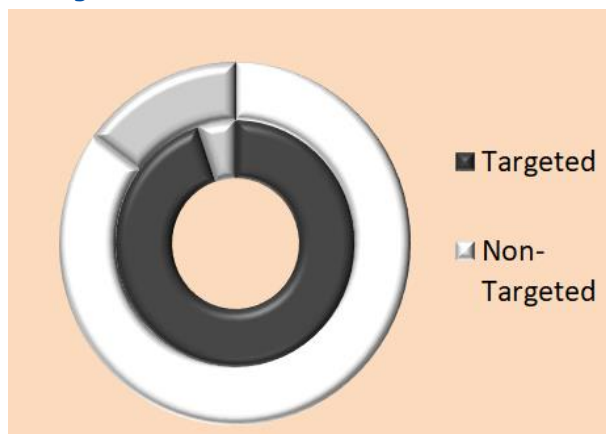
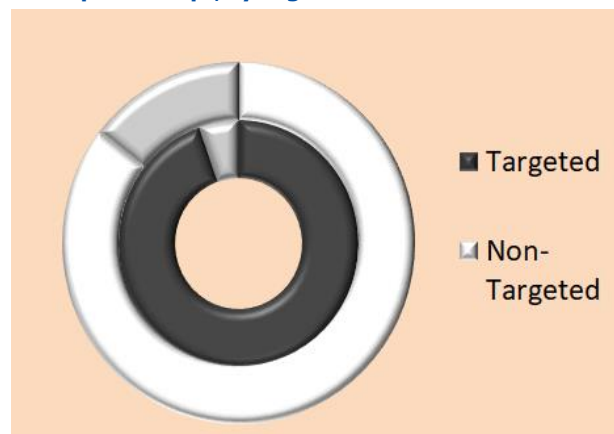
LARGE SHIPS

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	122	122	100.0%	279	268	96.1%	401	390	97.3%
Refrigerated Cargo	2	2	100.0%	2		0.0%	4	2	50.0%
Heavy load	12	12	100.0%	33	30	90.9%	45	42	93.3%
Container	618	611	98.9%	902	773	85.7%	1,520	1,384	91.1%
Ro-Ro cargo	164	163	99.4%	301	293	97.3%	465	456	98.1%
Bulk Carrier	2,553	2,431	95.2%	3,639	3,094	85.0%	6,192	5,525	89.2%
Oil tanker	600	558	93.0%	871	690	79.2%	1,471	1,248	84.8%
Chemical tanker	388	353	91.0%	811	716	88.3%	1,199	1,069	89.2%
Combination carrier	3	3	100.0%	5	5	100.0%	8	8	100.0%
Gas carrier	133	124	93.2%	219	194	88.6%	352	318	90.3%
NLS Tanker	46	46	100.0%	65	65	100.0%	111	111	100.0%
High speed passenger craft									
Passenger Ship	14	14	100.0%	56	55	98.2%	70	69	98.6%
RoRo passenger ship	31	26	83.9%	185	147	79.5%	216	173	80.1%
Offshore supply	3		0.0%	14	3	21.4%	17	3	17.6%
Special purpose ship	6	5	83.3%	13	9	69.2%	19	14	73.7%
Tug									
Other special activities	131	105	80.2%	111	52	46.8%	242	157	64.9%
Other	57	57	100.0%	41	33	80.5%	98	90	91.8%
Total	4,883	4,632	95%	7,547	6,427	85%	12,430	11,059	89%

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

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,077	4,077	100.0%	9,711	9,346	96.2%	13,788	13,423	97.4%
Refrigerated Cargo	66	66	100.0%	81		0.0%	147	66	44.9%
Heavy load	476	476	100.0%	1,269	1,113	87.7%	1,745	1,589	91.1%
Container	23,346	23,112	99.0%	34,277	29,469	86.0%	57,623	52,581	91.3%
Ro-Ro cargo	8,309	8,276	99.6%	14,223	13,972	98.2%	22,532	22,248	98.7%
Bulk Carrier	96,270	91,378	94.9%	134,222	115,411	86.0%	230,492	206,789	89.7%
Oil tanker	25,419	23,603	92.9%	34,353	27,087	78.8%	59,772	50,690	84.8%
Chemical tanker	11,430	10,383	90.8%	24,061	21,231	88.2%	35,491	31,614	89.1%
Combination carrier	89	89	100.0%	140	140	100.0%	229	229	100.0%
Gas carrier	5,419	5,074	93.6%	9,900	8,774	88.6%	15,319	13,848	90.4%
NLS Tanker	1,804	1,804	100.0%	2,420	2,420	100.0%	4,224	4,224	100.0%
High speed passenger craft									
Passenger Ship	525	525	100.0%	2,354	2,298	97.6%	2,879	2,823	98.1%
RoRo passenger ship	959	819	85.4%	6,475	5,222	80.6%	7,434	6,041	81.3%
Offshore supply	113		0.0%	496	113	22.8%	609	113	18.6%
Special purpose ship	281	227	80.8%	455	318	69.9%	736	545	74.0%
Tug									
Other special activities	5,642	4,372	77.5%	5,087	2,222	43.7%	10,729	6,594	61.5%
Other	2,493	2,493	100.0%	1,636	1,355	82.8%	4,129	3,848	93.2%
Total	186,718	176,774	95%	281,160	240,491	86%	467,878	417,265	89%

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

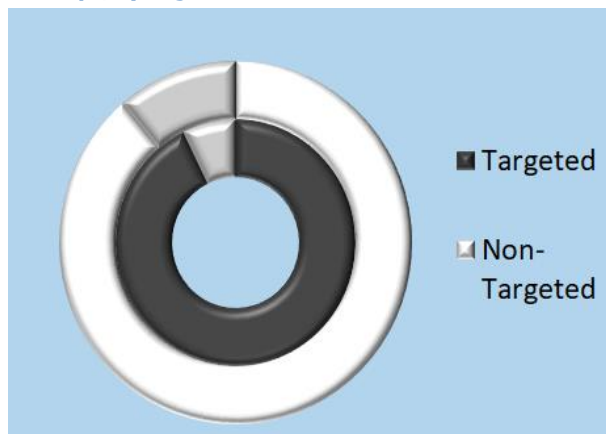
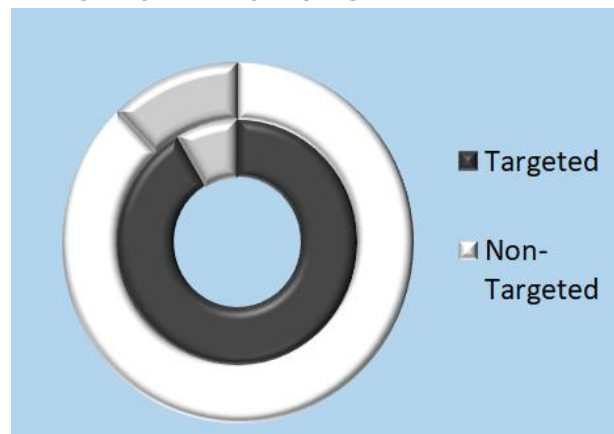
VERY LARGE SHIPS

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	9	9	100.0%	13	13	100.0%	22	22	100.0%
Refrigerated Cargo									
Heavy load				6	2	33.3%	6	2	33.3%
Container	637	628	98.6%	815	814	99.9%	1,452	1,442	99.3%
Ro-Ro cargo	91	91	100.0%	144	141	97.9%	235	232	98.7%
Bulk Carrier	900	852	94.7%	867	819	94.5%	1,767	1,671	94.6%
Oil tanker	822	754	91.7%	1,165	988	84.8%	1,987	1,742	87.7%
Chemical tanker									
Combination carrier				2	2	100.0%	2	2	100.0%
Gas carrier	121	103	85.1%	378	349	92.3%	499	452	90.6%
NLS Tanker	27	27	100.0%	57	57	100.0%	84	84	100.0%
High speed passenger craft									
Passenger Ship	61	60	98.4%	127	125	98.4%	188	185	98.4%
RoRo passenger ship				6	6	100.0%	6	6	100.0%
Offshore supply	1		0.0%	7	1	14.3%	8	1	12.5%
Special purpose ship	3	1	33.3%	1	1	100.0%	4	2	50.0%
Tug									
Other special activities	60	11	18.3%	187	40	21.4%	247	51	20.6%
Other	7	6	85.7%	6	5	83.3%	13	11	84.6%
Total	2,739	2,542	93%	3,781	3,363	89%	6,520	5,905	91%

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	695	695	100.0%	997	997	100.0%	1,692	1,692	100.0%
Refrigerated Cargo									
Heavy load				438	176	40.2%	438	176	40.2%
Container	70,037	68,321	97.5%	91,264	91,198	99.9%	161,301	159,519	98.9%
Ro-Ro cargo	6,012	6,012	100.0%	9,812	9,621	98.1%	15,824	15,633	98.8%
Bulk Carrier	87,303	81,805	93.7%	93,481	87,678	93.8%	180,784	169,483	93.7%
Oil tanker	88,664	79,647	89.8%	122,775	101,964	83.0%	211,439	181,611	85.9%
Chemical tanker									
Combination carrier				142	142	100.0%	142	142	100.0%
Gas carrier	13,162	11,106	84.4%	42,769	39,531	92.4%	55,931	50,637	90.5%
NLS Tanker	3,345	3,345	100.0%	7,025	7,025	100.0%	10,370	10,370	100.0%
High speed passenger craft									
Passenger Ship	6,504	6,374	98.0%	13,797	13,608	98.6%	20,301	19,982	98.4%
RoRo passenger ship				406	406	100.0%	406	406	100.0%
Offshore supply	103		0.0%	571	83	14.5%	674	83	12.3%
Special purpose ship	609	403	66.2%	102	102	100.0%	711	505	71.0%
Tug									
Other special activities	6,663	1,548	23.2%	23,156	5,229	22.6%	29,819	6,777	22.7%
Other	449	376	83.7%	389	323	83.0%	838	699	83.4%
Total	283,546	259,632	92%	407,124	358,083	88%	690,670	617,715	89%

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

5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

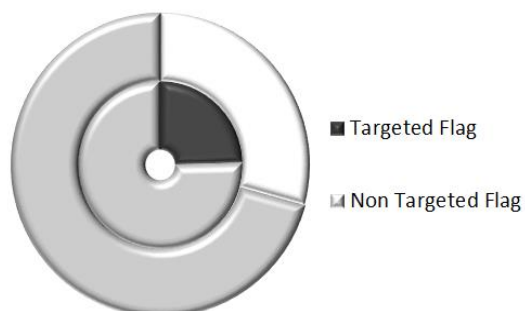
WHOLE FLEET GT≥500

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

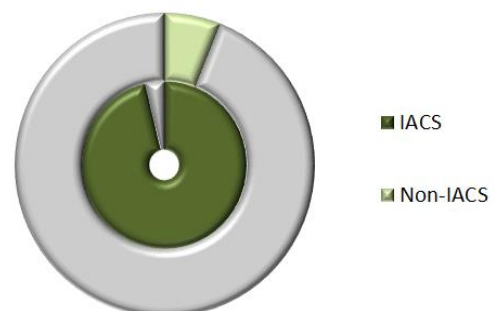
PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	38,683	8,355	7,656	35,137	5,151
Refrigerated Cargo	1,006	299	381	985	33
Heavy load	293	95	160	290	9
Container	12,680	3,990	3,559	12,607	235
Ro-Ro cargo	2,869	891	1,443	2,771	180
Bulk Carrier	31,370	9,902	9,716	31,146	795
Oil tanker	7,278	2,399	3,057	7,232	150
Chemical tanker	9,503	2,343	4,356	9,451	164
Combination carrier	19	4	8	18	1
Gas carrier	2,630	707	1,100	2,596	61
NLS Tanker	7,674	45	129	7,664	10
High speed passenger craft	171	17	152	161	1
Passenger Ship	2,991	326	927	2,947	67
RoRo passenger ship	1,670	119	1,393	1,645	31
Offshore supply	1,524	256	1,064	1,483	82
Special purpose ship	373	77	231	363	24
Tug	221	36	130	214	12
Other special activities	2,193	339	644	2,055	218
Other	2,841	737	782	2,483	395
Total	125,989	30,937	36,888	121,248	7,619

Remark: The figures include double reported inspections

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



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

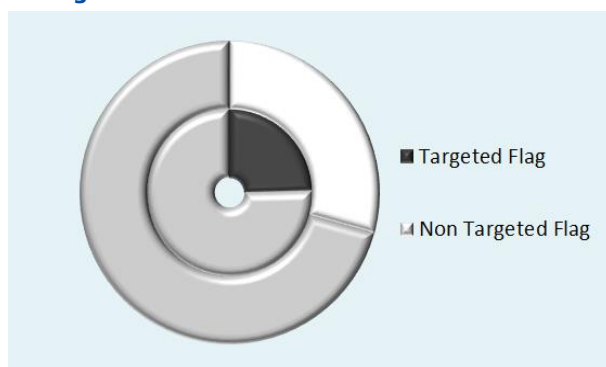
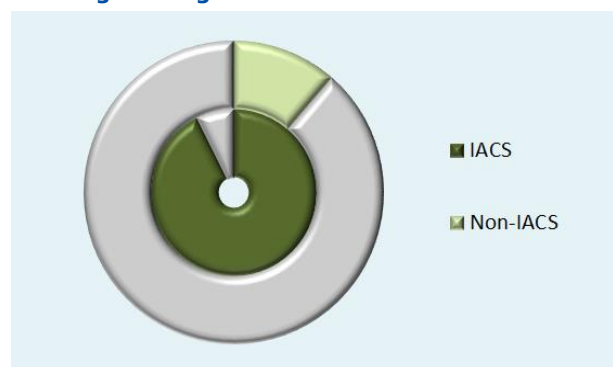


MEDIUM SIZED SHIPS

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

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	27,558	8,200	7,200	24,039	5,107
Refrigerated Cargo	1,002	295	381	981	33
Heavy load	232	85	123	229	9
Container	3,915	1,365	1,089	3,909	68
Ro-Ro cargo	862	286	395	771	133
Bulk Carrier	9,611	2,986	2,799	9,506	416
Oil tanker	1,609	528	779	1,564	105
Chemical tanker	5,698	1,626	2,790	5,656	134
Combination carrier	13	2	6	12	1
Gas carrier	1,410	440	518	1,381	51
NLS Tanker	1,879	32	101	1,870	9
High speed passenger craft	171	17	152	161	1
Passenger Ship	923	176	451	893	41
RoRo passenger ship	798	42	639	775	23
Offshore supply	1,518	256	1,063	1,477	82
Special purpose ship	350	65	219	340	24
Tug	221	36	130	214	12
Other special activities	1,553	158	571	1,419	208
Other	1,066	351	356	715	384
Total	60,389	16,946	19,762	55,912	6,841

Remark: The figures include double reported inspections

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

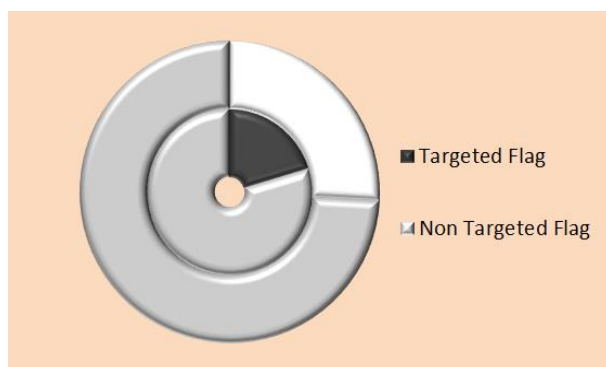
LARGE SHIPS

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

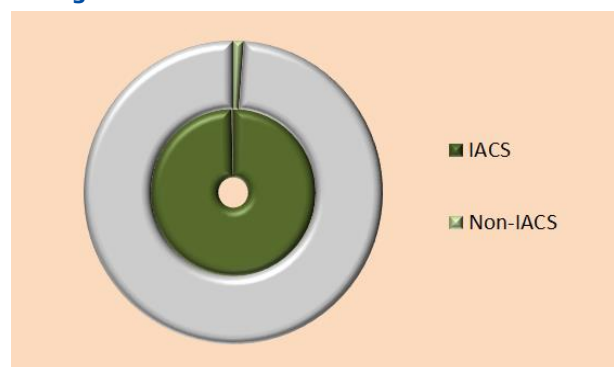
PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	8,767	153	455	8,760	22
Refrigerated Cargo	4	4		4	
Heavy load	57	10	34	57	
Container	4,077	1,264	1,195	4,058	51
Ro-Ro cargo	1,388	396	716	1,384	40
Bulk Carrier	17,434	5,136	5,432	17,355	304
Oil tanker	2,634	914	1,045	2,634	29
Chemical tanker	3,804	717	1,566	3,794	30
Combination carrier	2	2		2	
Gas carrier	520	153	184	519	5
NLS Tanker	4,088	8	24	4,087	1
High speed passenger craft					
Passenger Ship	588	53	175	580	12
RoRo passenger ship	840	77	722	838	8
Offshore supply	6		1	6	
Special purpose ship	19	10	10	19	
Tug					
Other special activities	514	179	68	510	10
Other	1,149	275	238	1,142	8
Total	45,891	9,351	11,865	45,749	520

Remark: The figures include double reported inspections

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



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

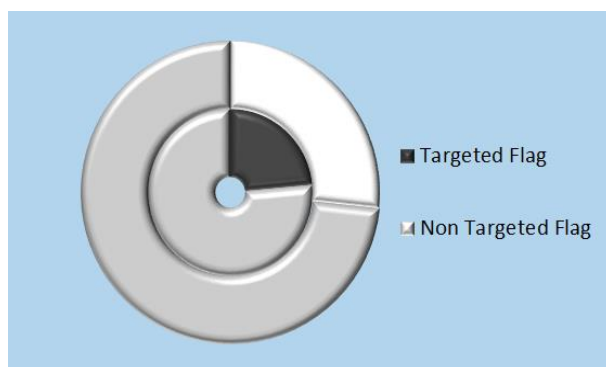
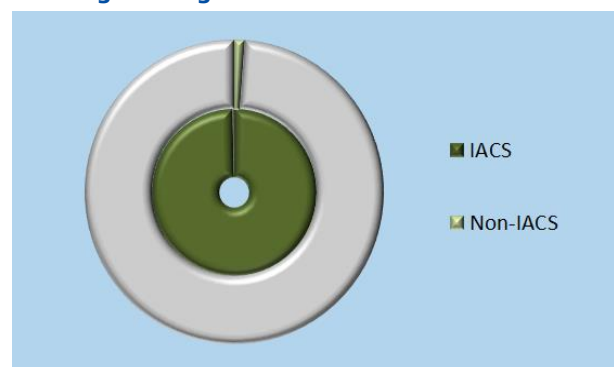


VERY LARGE SHIPS

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

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	2,358	2	1	2,338	22
Refrigerated Cargo					
Heavy load	4		3	4	
Container	4,688	1,361	1,275	4,640	116
Ro-Ro cargo	619	209	332	616	7
Bulk Carrier	4,325	1,780	1,485	4,285	75
Oil tanker	3,035	957	1,233	3,034	16
Chemical tanker	1			1	
Combination carrier	4		2	4	
Gas carrier	700	114	398	696	5
NLS Tanker	1,707	5	4	1,707	
High speed passenger craft					
Passenger Ship	1,480	97	301	1,474	14
RoRo passenger ship	32		32	32	
Offshore supply					
Special purpose ship	4	2	2	4	
Tug					
Other special activities	126	2	5	126	
Other	626	111	188	626	3
Total	19,709	4,640	5,261	19,587	258

Remark: The figures include double reported inspections

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

5.6. STATUTORY CERTIFICATES

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

Group of Certificates	Inspections	Flags as issuer		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
ITC	69,870	5,703	8,043	53,265	2,859
Load Lines	82,305	605	1,660	75,201	4,839
SOLAS/STCW	68,478	30,738	37,325	356	59
SOLAS - ISM	86,492	3,751	8,315	68,416	6,010
SOLAS - ISPS	75,285	10,663	7,577	52,752	4,293
SOLAS - IMDG	20,819	183	1,083	19,240	313
SOLAS - GC	140	12	5	123	
SOLAS - IGC	1,423	28	17	1,376	2
SOLAS - HSC	222	3	63	154	2
SOLAS - MODU	67		5	62	
SOLAS - SPS	633	2	153	478	
SOLAS - PSCC	3,001	20	1,094	1,836	51
SOLAS - CSS	82,944	891	3,814	73,268	4,971
SOLAS - CSR	36,639	16,167	20,163	232	77
SOLAS - INF	248	3	11	233	1
AFS	56,922	439	1,182	53,652	1,649
Ballast WM	24,152	3,350	778	19,045	979
CLC	11,747	4,538	7,039	156	14
BUNKER	44,608	20,390	23,701	466	51
MARPOL - IAPP	79,369	426	1,958	73,319	3,666
MARPOL - IOPP	82,122	717	2,354	74,265	4,786
MARPOL - ISPP	74,947	492	2,396	67,946	4,113
MARPOL - EIAPP	11,583	156	360	10,976	91
MARPOL - IBC	5,590	12	83	5,479	16
MARPOL - NLS	932	3	23	902	4
MARPOL - BCH	508	3	18	480	7
MARPOL - IEEC	54,587	443	1,808	50,814	1,522
MLC	64,196	4,617	6,623	49,643	3,313
Other	10,639	2,442	1,315	6,695	187
Overall	81,829	27,909	39,171	76,550	6,933

Remark: The figures include double reported inspections

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, Caribbean MoU, Black Sea MoU and Abuja MoU recorded in 2019.

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 almost 68% of the total ships of the relevant categories (see annex V) and about 92% in tonnage. INTERTANKO covers slightly over a quarter (27%) of the total number of ships but less than half (47%) tonnage coverage of the relevant ship categories.

Intercargo is shows the same trend, covering 9,7% of the total number of ships, but 22,08% of the tonnage coverage of the relevant ship categories. The Chemical Distribution Institute (CDI) on the other hand has 31,07% of the total number of ships, and a similar percentage 33,57% 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 nine PSC regimes providing data to Equasis than those ships which are outside the trade associations.

The same tables indicate that ships who are members of a trade association or industry vetting programme were detained less often than those that were not members. For example, the detention rate of Intercargo ships in all ship size categories (table 147) was 1.5% compared with 3.4% for those who are not members (and of the targeted ship types as described in Annex V). It is a similar picture for ships that are members of INTERTANKO, InterManager, Green Award, CDI and OCIMF.

Table 151 shows that slightly over a third (33.4%) of the companies included in the data collected by Equasis operate just one ship. 66.5% 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 around 1.88%, while one-ship and two-ship companies had rates of 3.64% and 4.47% 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	1,091	7,347	1,404	1,711	1,349	1,184	3,844	10,242
% of Total	28.4%	71.7%	36.5%	16.7%	35.1%	11.6%		
Intercargo	419	15,026	1,324	5,334	579	1,199	2,322	21,559
% of Total	18.0%	69.7%	57.0%	24.7%	24.9%	5.6%		
InterManager	306	22,461	485	8,899	240	3,563	1,031	34,923
% of Total	29.7%	64.3%	47.0%	25.5%	23.3%	10.2%		
Green Award	11	12,198	24	9,501	221	4,088	256	25,787
% of Total	4.3%	47.3%	9.4%	36.8%	86.3%	15.9%		
CDI	1,580	3,196	476	1,365			2,056	4,561
% of Total	76.8%	70.1%	23.2%	29.9%				
OCIMF	4,205	4,233	2,927	188	2,428	105	9,560	4,526
% of Total	44.0%	93.5%	30.6%	4.2%	25.4%	2.3%		

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	13,961	38,047	51,819	62,032	141,344	132,382	207,124	232,461
% of Total	6.7%	16.4%	25.0%	26.7%	68.2%	56.9%		
Intercargo	8,967	98,033	50,239	197,382	59,298	122,632	118,504	418,047
% of Total	7.6%	23.5%	42.4%	47.2%	50.0%	29.3%		
InterManager	4,473	147,343	17,356	327,229	25,324	373,121	47,153	847,693
% of Total	9.5%	17.4%	36.8%	38.6%	53.7%	44.0%		
Green Award	219	108,763	1,199	352,023	21,791	433,723	23,209	894,509
% of Total	0.9%	12.2%	5.2%	39.4%	93.9%	48.5%		
CDI	15,748	22,235	17,037	42,631			32,785	64,866
% of Total	48.0%	34.3%	52.0%	65.7%				
OCIMF	37,325	14,683	106,990	6,861	260,762	12,964	405,077	34,508
% of Total	9.2%	42.5%	26.4%	19.9%	64.4%	37.6%		

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

6.2. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 147 - Safety performance of ships, by inspections and detentions rates^(*)- 2019

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.9%	1.6%	1.3%	65	155	220	6,923	9,455	16,378
in % of total				29.5%	70.5%		42.3%	57.7%	
Inter cargo	1.5%	3.4%	3.2%	97	1,384	1,481	6,632	40,139	46,771
in % of total				6.5%	93.5%		14.2%	85.8%	
Inter manager	1.9%	2.8%	2.8%	43	1,632	1,675	2,314	58,514	60,828
in % of total				2.6%	97.43%		3.8%	96.2%	
Green Award	0.3%	2.0%	2.0%	1	902	903	328	45,412	45,740
in % of total				0.1%	99.89%		0.7%	99.3%	
CDI	0.9%	1.8%	1.4%	39	115	154	4,298	6,365	10,663
in % of total				25.3%	74.7%		40.3%	59.7%	
OCIMF	1.0%	5.3%	1.3%	157	63	220	15,181	1,197	16,378
in % of total				71.4%	28.6%		92.7%	7.3%	

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

MEDIUM SIZED SHIPS

Table 148 - Safety performance of medium sized⁽¹⁾ ships, by inspections and detentions rates^(*)- 2019

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.9%	2.1%	1.8%	18	110	128	2,026	5,181	7,207
in % of total				14.1%	85.9%		28.1%	71.9%	
Inter cargo	1.5%	4.1%	3.9%	23	1,010	1,033	1,541	24,633	26,174
in % of total				2.2%	97.8%		5.9%	94.1%	
Inter manager	2.3%	3.6%	3.5%	17	1,123	1,140	749	31,532	32,281
in % of total				1.5%	98.51%		2.3%	97.7%	
Green Award	0.0%	2.2%	2.2%	0	377	377	20	16,757	16,777
in % of total				0.0%	100%		0.1%	99.9%	
CDI	0.9%	2.3%	1.6%	30	75	105	3,210	3,316	6,526
in % of total				28.6%	71.4%		49.2%	50.8%	
OCIMF	1.3%	4.8%	1.8%	77	51	128	6,149	1,058	7,207
in % of total				60.2%	39.8%		85.3%	14.7%	

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - ^(*)Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU, Black Sea MoU and Abuja MoU divided by total number of inspections

LARGE SHIPS

Table 149 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*)- 2019

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	1.3%	1.2%	1.2%	39	37	76	3,100	2,985	6,085
in % of total				51.3%	48.7%		50.9%	49.1%	
Intercargo	1.2%	2.2%	1.9%	44	289	333	3,808	13,292	17,100
in % of total				13.2%	86.8%		22.3%	77.7%	
Intermanager	1.6%	1.8%	1.8%	19	385	404	1,212	21,323	22,535
in % of total				4.7%	95%		5.4%	94.6%	
Green Award	0.0%	1.8%	1.8%	0	395	395	51	22,330	22,381
in % of total				0.0%	100.00%		0.2%	99.8%	
CDI	0.8%	1.3%	1.2%	9	40	49	1,088	3,049	4,137
in % of total				18.4%	81.6%		26.3%	73.7%	
OCIMF	1.1%	10.5%	1.2%	65	11	76	5,980	105	6,085
in % of total				85.5%	14.5%		98.3%	1.7%	

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

VERY LARGE SHIPS

Table 150 - Safety performance of very large⁽¹⁾ ships, by inspections and detentions rates^(*)- 2019

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.4%	0.6%	0.5%	8	8	16	1,797	1,289	3,086
in % of total				50.0%	50.0%		58.2%	41.8%	
Intercargo	2.3%	3.8%	3.3%	30	85	115	1,283	2,214	3,497
in % of total				26.1%	73.9%		36.7%	63.3%	
Intermanager	2.0%	2.2%	2.2%	7	124	131	353	5,659	6,012
in % of total				5.3%	95%		5.9%	94.1%	
Green Award	0.4%	2.1%	2.0%	1	130	131	257	6,325	6,582
in % of total				0.8%	99%		3.9%	96.1%	
CDI	0.0%					0			0
in % of total									
OCIMF	0.5%	2.9%	0.5%	15	1	16	3,052	34	3,086
in % of total				93.8%	6.3%		98.9%	1.1%	

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

6.3. COMPANY PERFORMANCE

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

Company fleet size (by number of ships GT≥100)	Number of companies		Number of ships ⁽¹⁾		Number of ships under targeted flag ⁽¹⁾		Total share of ships under targeted flag ⁽²⁾
1 ship	9,547	33.4%	4,727	10.3%	1,517	10.5%	32.1%
2	3,896	13.6%	2,981	6.5%	795	5.5%	26.7%
3	2,463	8.6%	2,322	5.1%	688	4.8%	29.6%
4	1,801	6.3%	2,110	4.6%	665	4.6%	31.5%
5	1,324	4.6%	1,774	3.9%	555	3.8%	31.3%
6-10	3,572	12.5%	6,947	15.2%	2,120	14.7%	30.5%
11-50	4,154	14.5%	15,347	33.5%	4,969	34.4%	32.4%
51-100	1,019	3.6%	5,494	12.0%	1,872	13.0%	34.1%
100+	832	2.9%	4,141	9.0%	1,271	8.8%	30.7%
Total	28,608	100%	45,843	100%	14,452	100%	31.5%

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

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

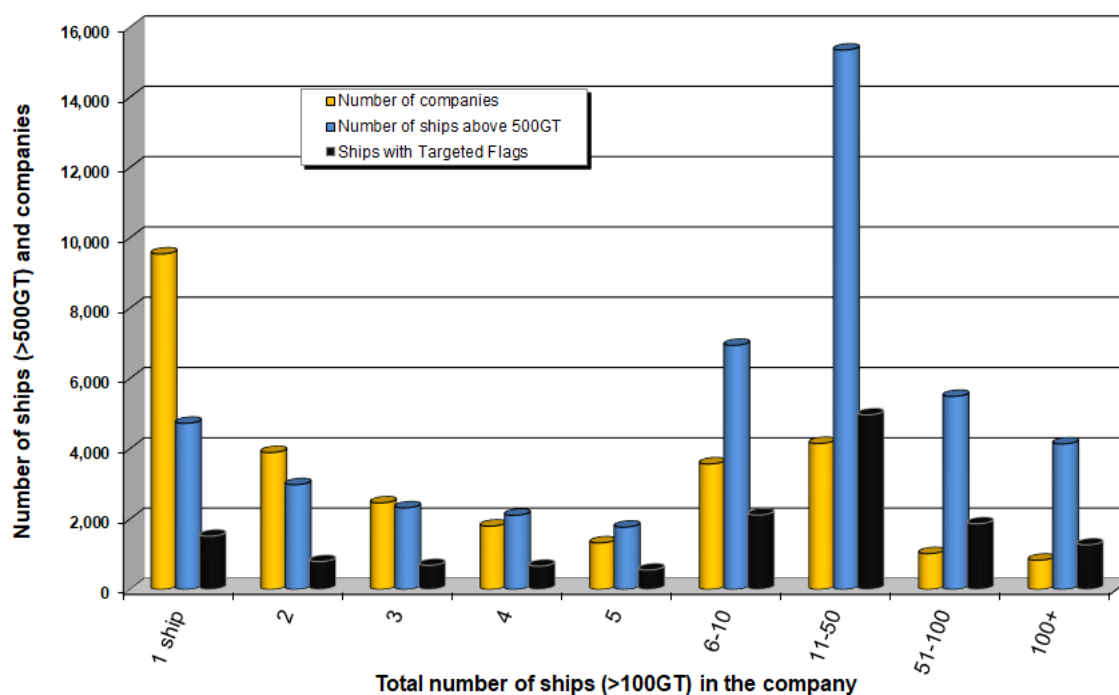
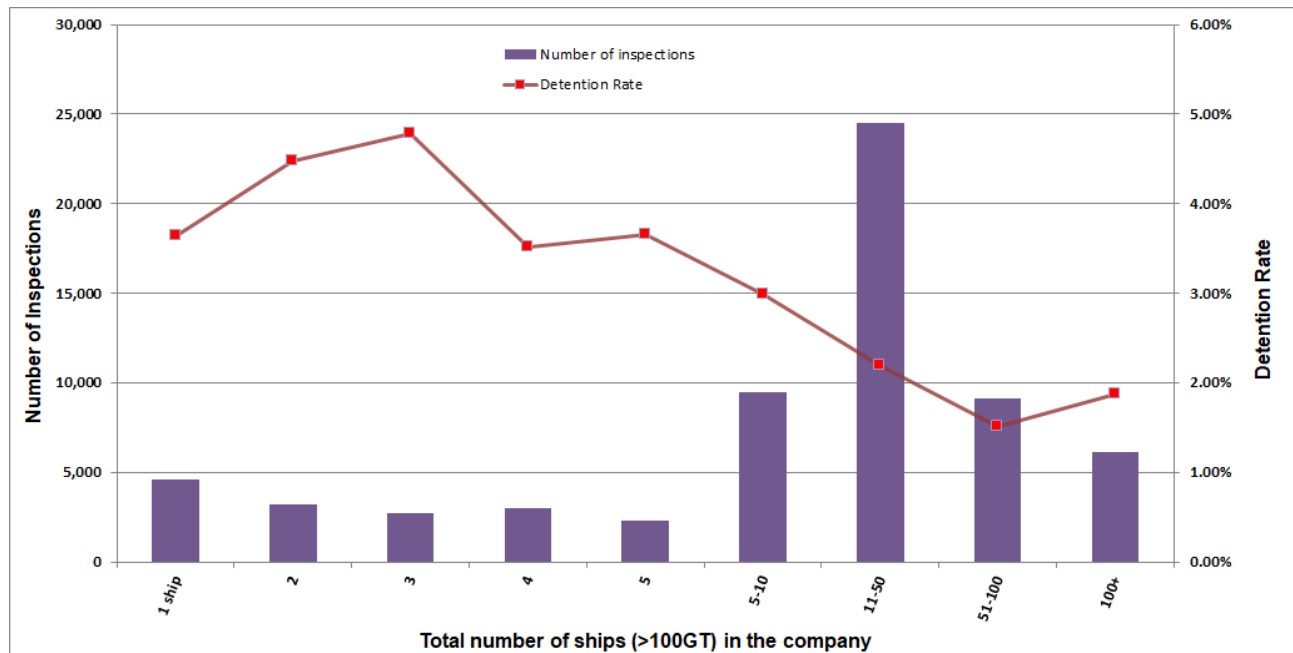


Table 152 - Total number of inspections and detention rates^(*), by company fleet size - 2019

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	4,594	7.1%	167	9.8%	3.64%
2	3,219	5.0%	144	8.5%	4.47%
3	2,716	4.2%	130	7.6%	4.79%
4	2,959	4.6%	104	6.1%	3.51%
5	2,301	3.5%	84	4.9%	3.65%
5-10	9,487	14.6%	283	16.6%	2.98%
11-50	24,501	37.7%	538	31.6%	2.20%
51-100	9,116	14.0%	138	8.1%	1.51%
100+	6,125	9.4%	115	6.8%	1.88%
Total	65,018	100%	1,703	100%	2.62%

Source: Equasis - ⁽¹⁾Within the same company fleet size category - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU, Black Sea MoU and Abuja MoU 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.

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
Oil-Sludge 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 2019

The list of targeted flags is based on the 2019 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

Comoros [1]
Cook Islands [1, 3]

G

Greece [3]

I

Israel []

K

Korea, Democratic Republic [2]

L

Liberia []

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, 2, 3]

T

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

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 Certificat

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)