



**The world merchant fleet  
in 2011**

**Statistics from Equasis**

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## Chapter 1

# 1. Themes and Tables

### INTRODUCTION

This report provides a picture of the world's merchant fleet in 2011, derived from data contained in the Equasis database. It looks at the makeup of the fleet and its performance. The statistics are grouped into themes which could be of interest to the industry and regulators.

The themes are as follows:

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

### OVERVIEW

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

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

### SIZE

By size ships are grouped into four categories:

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

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

covered by the International Conventions or the Port State regimes. A significant proportion of these vessels are also too small to be covered by classification societies and the vetting and trading organisations. They have therefore been excluded from most of the analysis in order to avoid distortion of the totals for ships which are generally covered by the International Conventions, the Port State Control regimes, Classification societies and other trade organisations. To provide data for the whole fleet, small ships are included in Chapter 2.1 and 2.2, and in the multiple inspection figures in Chapter 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 2, 3 and 4 have been chosen so as to divide the fleet into three approximately equal parts in terms of tonnage. These three together represent the larger worldwide trading ships.

### SHIP TYPES

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

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

Annex I outlines how this aggregation has been accomplished. This annex has been reviewed to include new ship types that were excluded in the "Statistics on the world merchant fleet in 2010" and previous publications and the differences are outlined in bold. In total, 1210 ships have been added, half of them being "Small" ships (under 500GT).

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### PSC SHIP TYPES

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In the "Statistics on the world merchant fleet in 2010" and previous publications, the 12 main ship types were used in all chapters. However, PSC organisations are using other ship type categories, that is why the 12 main ship types have now been replaced by "PSC ship types" in most of Chapter 5.

These "PSC ship types" are the ship types used by the inspectors during inspections in the different PSC regimes. Since the number of types are limited, it is not necessary to group them further.

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

This default PSC ship type is based on the ship type as provided by IHS Fairplay. Annex III provide the correspondence for this purpose. This correspondence was established mainly through statistical analysis and comparisons between IHS Fairplay ship types and PSC ship types. It cannot be compared to Annex I as the intention is not to create categories of ships, the purpose of this annex is only to attribute a PSC ship type to ships that were not inspected.

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### FLAG

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Flags (under which ships are registered) are grouped in two categories, "targeted" and "non-targeted". Those in the "targeted" group are the flags which appear on at least one of the targeted flag lists of the Paris MoU [Black List], the Tokyo MoU [Black List] and the USCG [safety targeting]. Indian Ocean MoU (IO MoU) has also provided its inspection

results to Equasis, but they do not use a targeted flag list.

The lists are published annually and reflect the safety performance of ships under each flag as measured by the number of port state inspections and detentions recorded over a three-year period.

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

Further details are included in the list of the respective regimes' Port State Control Annual Reports. A list of the flags is provided in Annex II.

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### SOURCE OF INFORMATION

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Equasis is fed by 45 data providers which can be divided into six categories: core ship and company data, PSC regimes, classification societies, P&I clubs, associations or vetting programs and other international organisations. Almost all these sources are used in this document to a greater or lesser extent.

As to PSC information, it should be noted that not all inspections within the Indian Ocean MoU are reported in Equasis. Only inspections from Australia, India, Iran, South Africa, Sri-Lanka and Mauritius are considered in these statistics. In 2011, these six countries represented about 90% of all inspections carried out within the Indian Ocean MoU.

The Viña del Mar agreement has also provided data to Equasis since March 2012. However, the year 2011 is not fully covered by this provider. Therefore, for this publication, no data from the Viña del Mar will be used.

## Chapter 2

# 2. The Merchant Fleet Population

### INTRODUCTION

The tables in this chapter give 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 (83%) by small and medium sized ships up to 24.999 GT. Small ships alone represent 36% by number, although only 1% by tonnage. Many of the small ships are not subject to international conventions on safety and pollution prevention because of their size or because they do not trade internationally.

General cargo ships are the most common type by number, at 21.5% of the Equasis fleet. However, most of these are small and medium-sized. In the large and very large categories, oil and chemical tankers and bulk carriers represent well over half of the fleet by number.

In terms of tonnage the large and very large categories represent 78% of the Equasis fleet (Graph 2), with oil and chemical tankers and bulk carriers dominating both categories at 66% (large) and 65.5% (very large) respectively.

Table 3 shows that over half (54.2%) of the Equasis fleet, by number, is 15 years or older, but this is due largely to the dominance of older ships in the small and medium ship categories. The trend is reversed in the large and very large ship categories, where 76.2% (large) and 83.9% (very large) are less than 15 years old. The most modern fleets can be found in the large and very large ship categories with 84.7%, by tonnage, of the fleet below 4 years of age (Graph 4). At the other end of the age scale, large and very large ships over 25 years old account for

just 3.1% by number but 37.8% by tonnage.

Graph 13 shows that under half (38%) of the total number of ships are associated with a targeted flag. Whilst graphs 15 to 20 show that the proportion of ships under a targeted flag decrease with size: 39% for the medium size ship category, 34% for the large ship size category and 30% for very large. The figures are very close with respect to number and tonnage.

Table 13 shows that 24.4% of the ships associated with targeted flags are of general cargo ships, while passenger ships make up 5.7% of the ships associated with targeted flags.

## 2.1. WHOLE FLEET

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

Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,627	16.4%	12,210	33.1%	197	2.1%			17,034	21.5%
Specialized Cargo Ships	14	0.0%	188	0.5%	48	0.5%			250	0.3%
Container Ships	16	0.1%	2,411	6.5%	1,679	17.6%	868	20.1%	4,974	6.3%
Ro-Ro Cargo Ships	32	0.1%	774	2.1%	587	6.2%	144	3.3%	1,537	1.9%
Bulk Carriers	362	1.3%	3,647	9.9%	4,215	44.2%	1,373	31.8%	9,597	12.1%
Oil and Chemical Tankers	1,852	6.5%	6,373	17.3%	2,255	23.6%	1,348	31.2%	11,828	15.0%
Gas Tankers	44	0.2%	1,014	2.7%	187	2.0%	329	7.6%	1,574	2.0%
Other Tankers	259	0.9%	402	1.1%	5	0.1%			666	0.8%
Passenger Ships	3,461	12.2%	2,505	6.8%	269	2.8%	135	3.1%	6,370	8.1%
Offshore Vessels	2,185	7.7%	4,312	11.7%	75	0.8%	120	2.8%	6,692	8.5%
Service Ships	2,196	7.8%	2,219	6.0%	23	0.2%	4	0.1%	4,442	5.6%
Tugs	13,238	46.8%	872	2.4%					14,110	17.8%
<b>Total</b>	<b>28,286</b>	<b>100%</b>	<b>36,927</b>	<b>100%</b>	<b>9,540</b>	<b>100%</b>	<b>4,321</b>	<b>100%</b>	<b>79,074</b>	<b>100%</b>

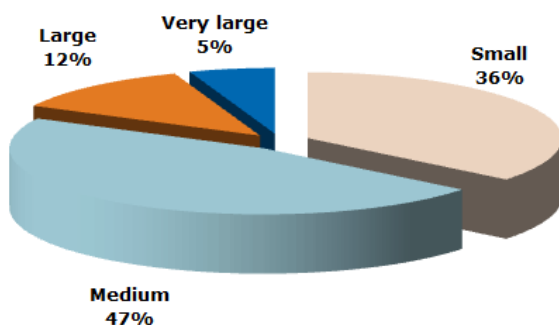
Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> GT≥60.000

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

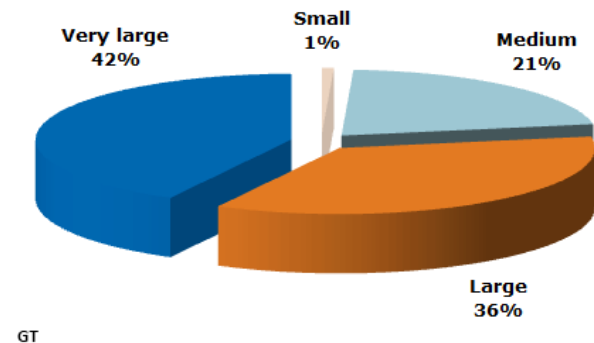
Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,557	20.5%	52,629	24.3%	6,105	1.7%			60,291	6.0%
Specialized Cargo Ships	5	0.1%	1,473	0.7%	1,767	0.5%			3,245	0.3%
Container Ships	6	0.1%	28,466	13.2%	64,987	18.1%	76,428	18.0%	169,886	16.9%
Ro-Ro Cargo Ships	12	0.2%	7,421	3.4%	27,237	7.6%	9,298	2.2%	43,969	4.4%
Bulk Carriers	142	1.9%	52,495	24.3%	151,512	42.2%	129,963	30.6%	334,112	33.1%
Oil and Chemical Tankers	602	7.9%	38,898	18.0%	85,322	23.8%	148,204	34.9%	273,026	27.1%
Gas Tankers	17	0.2%	5,653	2.6%	8,184	2.3%	35,466	8.3%	49,320	4.9%
Other Tankers	75	1.0%	885	0.4%	162	0.0%			1,122	0.1%
Passenger Ships	869	11.5%	11,058	5.1%	9,560	2.7%	12,880	3.0%	34,367	3.4%
Offshore Vessels	624	8.2%	9,552	4.4%	3,363	0.9%	12,678	3.0%	26,217	2.6%
Service Ships	550	7.2%	6,880	3.2%	868	0.2%	266	0.1%	8,565	0.8%
Tugs	3,128	41.2%	872	0.4%					3,999	0.4%
<b>Total</b>	<b>7,587</b>	<b>100%</b>	<b>216,282</b>	<b>100%</b>	<b>359,067</b>	<b>100%</b>	<b>425,183</b>	<b>100%</b>	<b>1,008,119</b>	<b>100%</b>

Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000GT - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> 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 <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
0-4 years old	3,975	14.1%	7,971	21.6%	3,648	38.2%	1,997	46.2%	17,591	22.2%
5-14 years old	5,461	19.3%	7,914	21.4%	3,622	38.0%	1,629	37.7%	18,626	23.6%
15-24 years old	5,862	20.7%	6,983	18.9%	1,530	16.0%	572	13.2%	14,947	18.9%
+25 years old	12,988	45.9%	14,059	38.1%	740	7.8%	123	2.8%	27,910	35.3%
<b>Total</b>	<b>28,286</b>	<b>100%</b>	<b>36,927</b>	<b>100%</b>	<b>9,540</b>	<b>100%</b>	<b>4,321</b>	<b>100%</b>	<b>79,074</b>	<b>100%</b>

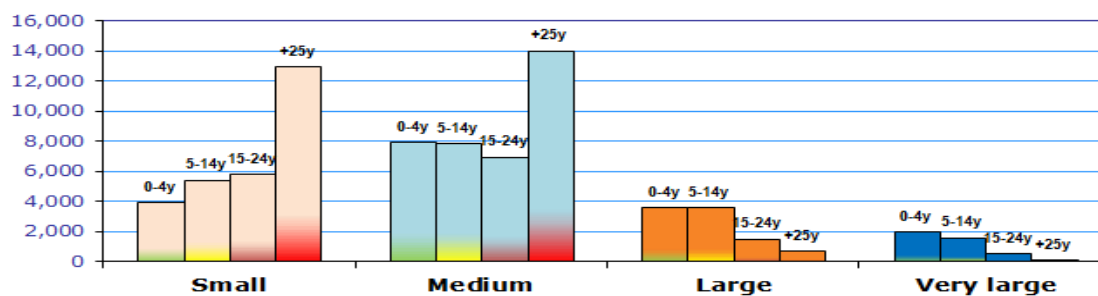
Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> GT≥60.000

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

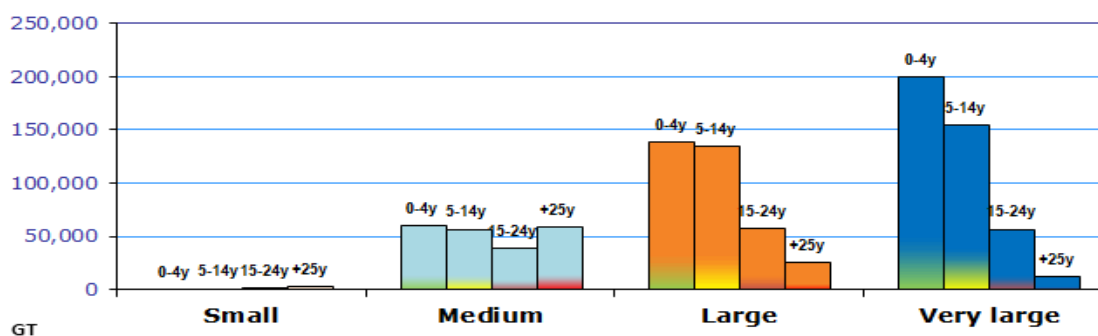
Ship age category	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
0-4 years old	1,172	15.4%	60,191	27.8%	139,522	38.9%	200,187	47.1%	401,072	39.8%
5-14 years old	1,503	19.8%	57,389	26.5%	135,609	37.8%	155,381	36.5%	349,881	34.7%
15-24 years old	1,598	21.1%	39,434	18.2%	58,195	16.2%	57,369	13.5%	156,596	15.5%
+25 years old	3,314	43.7%	59,268	27.4%	25,742	7.2%	12,247	2.9%	100,570	10.0%
<b>Total</b>	<b>7,587</b>	<b>100%</b>	<b>216,282</b>	<b>100%</b>	<b>359,067</b>	<b>100%</b>	<b>425,183</b>	<b>100%</b>	<b>1,008,119</b>	<b>100%</b>

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

Graph 3 - World fleet : total number of 0-4 years old ships, by size



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



## 0-4 years old SHIPS

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

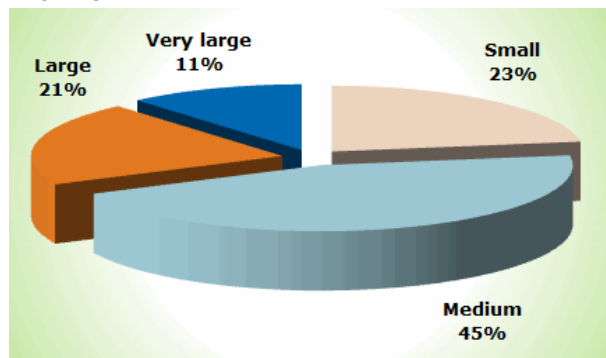
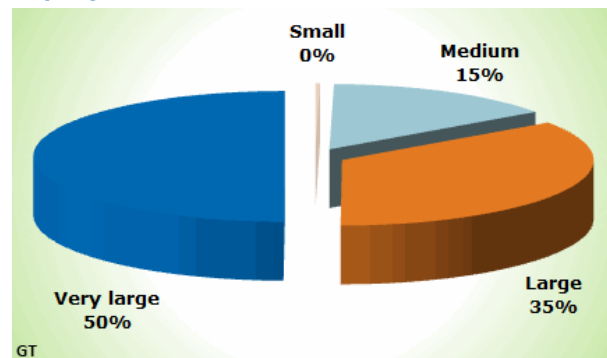
Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	278	7.0%	1,831	23.0%	39	1.1%			2,148	12.2%
Specialized Cargo Ships			41	0.5%	3	0.1%			44	0.3%
Container Ships	13	0.3%	582	7.3%	563	15.4%	408	20.4%	1,566	8.9%
Ro-Ro Cargo Ships	5	0.1%	57	0.7%	239	6.6%	85	4.3%	386	2.2%
Bulk Carriers	6	0.2%	1,030	12.9%	1,731	47.5%	666	33.4%	3,433	19.5%
Oil and Chemical Tankers	99	2.5%	1,751	22.0%	919	25.2%	615	30.8%	3,384	19.2%
Gas Tankers	2	0.1%	259	3.2%	72	2.0%	154	7.7%	487	2.8%
Other Tankers	14	0.4%	85	1.1%	2	0.1%			101	0.6%
Passenger Ships	207	5.2%	259	3.2%	45	1.2%	42	2.1%	553	3.1%
Offshore Vessels	436	11.0%	1,634	20.5%	25	0.7%	27	1.4%	2,122	12.1%
Service Ships	236	5.9%	253	3.2%	10	0.3%			499	2.8%
Tugs	2,679	67.4%	189	2.4%					2,868	16.3%
<b>Total</b>	<b>3,975</b>	<b>100%</b>	<b>7,971</b>	<b>100%</b>	<b>3,648</b>	<b>100%</b>	<b>1,997</b>	<b>100%</b>	<b>17,591</b>	<b>100%</b>

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

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

Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	127	10.8%	11,980	19.9%	1,368	1.0%			13,475	3.4%
Specialized Cargo Ships			483	0.8%	113	0.1%			596	0.1%
Container Ships	5	0.4%	7,486	12.4%	22,245	15.9%	40,726	20.3%	70,461	17.6%
Ro-Ro Cargo Ships	2	0.2%	757	1.3%	11,197	8.0%	5,497	2.7%	17,453	4.4%
Bulk Carriers	2	0.2%	16,389	27.2%	65,099	46.7%	64,157	32.0%	145,647	36.3%
Oil and Chemical Tankers	40	3.4%	13,766	22.9%	33,049	23.7%	65,195	32.6%	112,051	27.9%
Gas Tankers	1	0.1%	2,116	3.5%	3,285	2.4%	17,955	9.0%	23,357	5.8%
Other Tankers	5	0.4%	309	0.5%	68	0.0%			382	0.1%
Passenger Ships	59	5.0%	1,021	1.7%	1,540	1.1%	4,621	2.3%	7,241	1.8%
Offshore Vessels	142	12.1%	4,379	7.3%	1,171	0.8%	2,036	1.0%	7,728	1.9%
Service Ships	58	4.9%	1,303	2.2%	387	0.3%			1,748	0.4%
Tugs	731	62.4%	202	0.3%					933	0.2%
<b>Total</b>	<b>1,172</b>	<b>100%</b>	<b>60,191</b>	<b>100%</b>	<b>139,522</b>	<b>100%</b>	<b>200,187</b>	<b>100%</b>	<b>401,072</b>	<b>100%</b>

Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> 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**

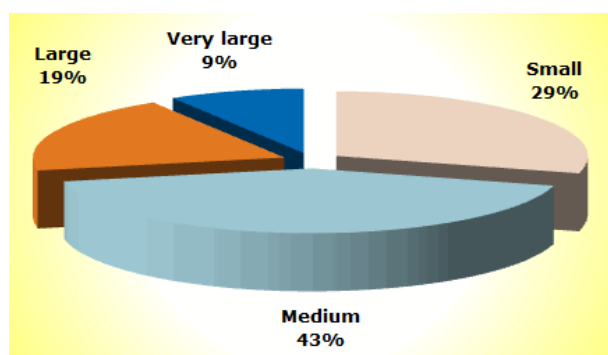
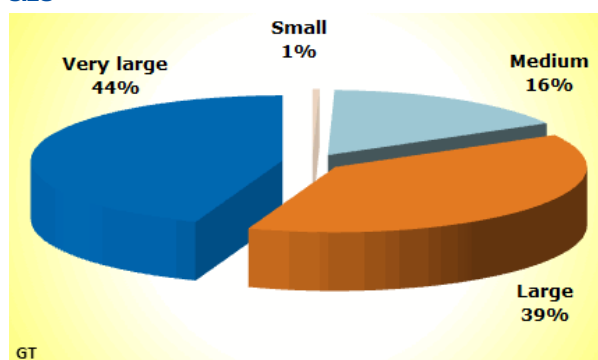
Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
General Cargo Ships	547	10.0%	2,159	27.3%	61	1.7%			2,767	14.9%
Specialized Cargo Ships			19	0.2%	3	0.1%			22	0.1%
Container Ships	2	0.0%	982	12.4%	744	20.5%	422	25.9%	2,150	11.5%
Ro-Ro Cargo Ships	4	0.1%	200	2.5%	194	5.4%	54	3.3%	452	2.4%
Bulk Carriers	29	0.5%	686	8.7%	1,430	39.5%	343	21.1%	2,488	13.4%
Oil and Chemical Tankers	185	3.4%	1,536	19.4%	1,004	27.7%	604	37.1%	3,329	17.9%
Gas Tankers	4	0.1%	234	3.0%	58	1.6%	115	7.1%	411	2.2%
Other Tankers	22	0.4%	46	0.6%	2	0.1%			70	0.4%
Passenger Ships	672	12.3%	545	6.9%	106	2.9%	72	4.4%	1,395	7.5%
Offshore Vessels	446	8.2%	999	12.6%	16	0.4%	19	1.2%	1,480	7.9%
Service Ships	350	6.4%	366	4.6%	4	0.1%			720	3.9%
Tugs	3,200	58.6%	142	1.8%					3,342	17.9%
<b>Total</b>	<b>5,461</b>	<b>100%</b>	<b>7,914</b>	<b>100%</b>	<b>3,622</b>	<b>100%</b>	<b>1,629</b>	<b>100%</b>	<b>18,626</b>	<b>100%</b>

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

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

Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
General Cargo Ships	222	14.8%	11,642	20.3%	1,922	1.4%			13,786	3.9%
Specialized Cargo Ships			187	0.3%	120	0.1%			307	0.1%
Container Ships	1	0.1%	11,813	20.6%	27,671	20.4%	33,192	21.4%	72,677	20.8%
Ro-Ro Cargo Ships	2	0.1%	2,518	4.4%	9,324	6.9%	3,461	2.2%	15,305	4.4%
Bulk Carriers	11	0.8%	9,804	17.1%	50,320	37.1%	30,525	19.6%	90,660	25.9%
Oil and Chemical Tankers	61	4.1%	13,310	23.2%	39,049	28.8%	67,904	43.7%	120,325	34.4%
Gas Tankers	2	0.1%	1,470	2.6%	2,466	1.8%	11,751	7.6%	15,689	4.5%
Other Tankers	7	0.4%	141	0.2%	66	0.0%			213	0.1%
Passenger Ships	178	11.8%	2,528	4.4%	3,788	2.8%	6,725	4.3%	13,219	3.8%
Offshore Vessels	155	10.3%	2,363	4.1%	730	0.5%	1,823	1.2%	5,071	1.4%
Service Ships	79	5.3%	1,445	2.5%	154	0.1%			1,678	0.5%
Tugs	786	52.3%	166	0.3%					951	0.3%
<b>Total</b>	<b>1,503</b>	<b>100%</b>	<b>57,389</b>	<b>100%</b>	<b>135,609</b>	<b>100%</b>	<b>155,381</b>	<b>100%</b>	<b>349,881</b>	<b>100%</b>

Source: Equasis <sup>(1)</sup>GT<500 - <sup>(2)</sup>500≤GT<25.000 - <sup>(3)</sup>25.000≤GT<60.000 - <sup>(4)</sup>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**

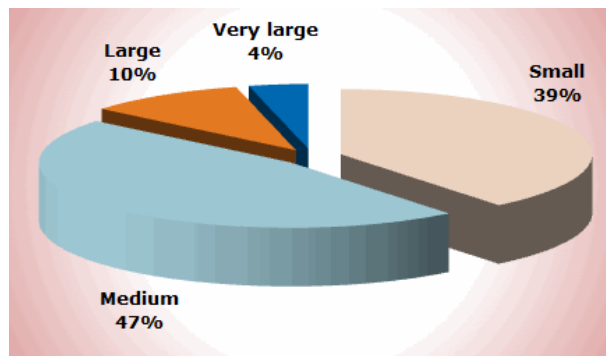
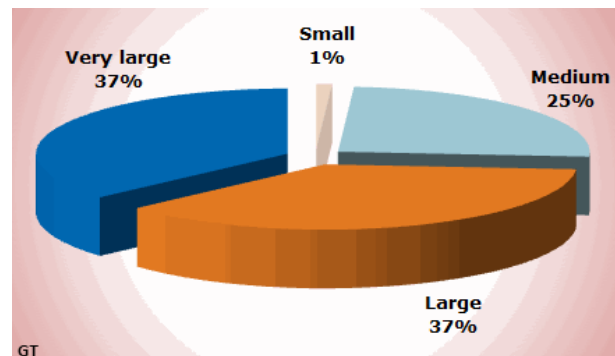
Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,303	22.2%	2,631	37.7%	35	2.3%			3,969	26.6%
Specialized Cargo Ships			21	0.3%	16	1.0%			37	0.2%
Container Ships			618	8.9%	284	18.6%	38	6.6%	940	6.3%
Ro-Ro Cargo Ships	7	0.1%	182	2.6%	90	5.9%	2	0.3%	281	1.9%
Bulk Carriers	202	3.4%	574	8.2%	679	44.4%	323	56.5%	1,778	11.9%
Oil and Chemical Tankers	646	11.0%	1,319	18.9%	288	18.8%	127	22.2%	2,380	15.9%
Gas Tankers	7	0.1%	283	4.1%	40	2.6%	30	5.2%	360	2.4%
Other Tankers	58	1.0%	78	1.1%	1	0.1%			137	0.9%
Passenger Ships	976	16.6%	615	8.8%	82	5.4%	21	3.7%	1,694	11.3%
Offshore Vessels	217	3.7%	170	2.4%	14	0.9%	30	5.2%	431	2.9%
Service Ships	461	7.9%	397	5.7%	1	0.1%	1	0.2%	860	5.8%
Tugs	1,985	33.9%	95	1.4%					2,080	13.9%
<b>Total</b>	<b>5,862</b>	<b>100%</b>	<b>6,983</b>	<b>100%</b>	<b>1,530</b>	<b>100%</b>	<b>572</b>	<b>100%</b>	<b>14,947</b>	<b>100%</b>

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

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

Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	425	26.6%	11,100	28.1%	1,084	1.9%			12,609	8.1%
Specialized Cargo Ships			111	0.3%	629	1.1%			740	0.5%
Container Ships			7,107	18.0%	11,904	20.5%	2,510	4.4%	21,521	13.7%
Ro-Ro Cargo Ships	3	0.2%	1,621	4.1%	4,076	7.0%	140	0.2%	5,839	3.7%
Bulk Carriers	86	5.4%	6,569	16.7%	23,428	40.3%	31,368	54.7%	61,452	39.2%
Oil and Chemical Tankers	203	12.7%	6,553	16.6%	11,612	20.0%	14,977	26.1%	33,345	21.3%
Gas Tankers	3	0.2%	1,399	3.5%	1,701	2.9%	3,050	5.3%	6,152	3.9%
Other Tankers	16	1.0%	154	0.4%	29	0.0%			199	0.1%
Passenger Ships	250	15.6%	3,050	7.7%	3,014	5.2%	1,534	2.7%	7,848	5.0%
Offshore Vessels	54	3.4%	417	1.1%	689	1.2%	3,726	6.5%	4,886	3.1%
Service Ships	127	8.0%	1,258	3.2%	30	0.1%	64	0.1%	1,479	0.9%
Tugs	431	27.0%	95	0.2%					525	0.3%
<b>Total</b>	<b>1,598</b>	<b>100%</b>	<b>39,434</b>	<b>100%</b>	<b>58,195</b>	<b>100%</b>	<b>57,369</b>	<b>100%</b>	<b>156,596</b>	<b>100%</b>

Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> 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**

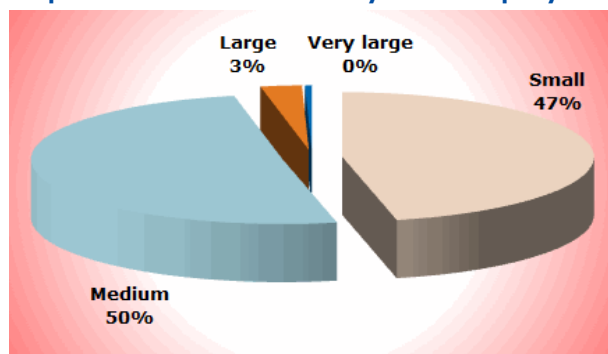
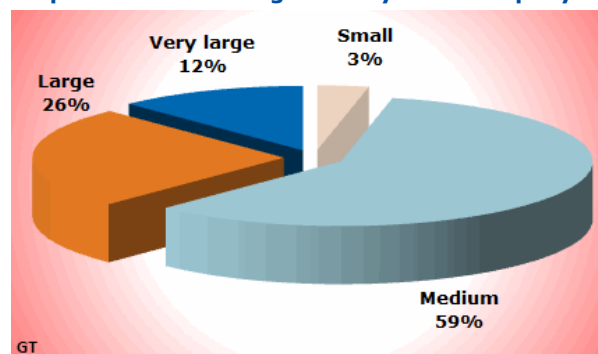
Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,499	19.2%	5,589	39.8%	62	8.4%			8,150	29.2%
Specialized Cargo Ships	14	0.1%	107	0.8%	26	3.5%			147	0.5%
Container Ships	1	0.0%	229	1.6%	88	11.9%			318	1.1%
Ro-Ro Cargo Ships	16	0.1%	335	2.4%	64	8.6%	3	2.4%	418	1.5%
Bulk Carriers	125	1.0%	1,357	9.7%	375	50.7%	41	33.3%	1,898	6.8%
Oil and Chemical Tankers	922	7.1%	1,767	12.6%	44	5.9%	2	1.6%	2,735	9.8%
Gas Tankers	31	0.2%	238	1.7%	17	2.3%	30	24.4%	316	1.1%
Other Tankers	165	1.3%	193	1.4%					358	1.3%
Passenger Ships	1,606	12.4%	1,086	7.7%	36	4.9%			2,728	9.8%
Offshore Vessels	1,086	8.4%	1,509	10.7%	20	2.7%	44	35.8%	2,659	9.5%
Service Ships	1,149	8.8%	1,203	8.6%	8	1.1%	3	2.4%	2,363	8.5%
Tugs	5,374	41.4%	446	3.2%					5,820	20.9%
<b>Total</b>	<b>12,988</b>	<b>100%</b>	<b>14,059</b>	<b>100%</b>	<b>740</b>	<b>100%</b>	<b>123</b>	<b>100%</b>	<b>27,910</b>	<b>100%</b>

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

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

Ship Type	Small <sup>(1)</sup>		Medium <sup>(2)</sup>		Large <sup>(3)</sup>		Very Large <sup>(4)</sup>		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	784	23.6%	17,907	30.2%	1,730	6.7%			20,421	20.3%
Specialized Cargo Ships	5	0.2%	691	1.2%	906	3.5%			1,603	1.6%
Container Ships			2,060	3.5%	3,167	12.3%			5,226	5.2%
Ro-Ro Cargo Ships	6	0.2%	2,525	4.3%	2,641	10.3%	200	1.6%	5,372	5.3%
Bulk Carriers	42	1.3%	19,732	33.3%	12,665	49.2%	3,913	32.0%	36,353	36.1%
Oil and Chemical Tankers	297	9.0%	5,268	8.9%	1,612	6.3%	129	1.1%	7,305	7.3%
Gas Tankers	12	0.4%	668	1.1%	732	2.8%	2,709	22.1%	4,122	4.1%
Other Tankers	47	1.4%	281	0.5%					328	0.3%
Passenger Ships	383	11.5%	4,458	7.5%	1,218	4.7%			6,059	6.0%
Offshore Vessels	274	8.3%	2,393	4.0%	772	3.0%	5,093	41.6%	8,532	8.5%
Service Ships	286	8.6%	2,874	4.9%	298	1.2%	202	1.7%	3,661	3.6%
Tugs	1,180	35.6%	409	0.7%					1,589	1.6%
<b>Total</b>	<b>3,314</b>	<b>100%</b>	<b>59,268</b>	<b>100%</b>	<b>25,742</b>	<b>100%</b>	<b>12,247</b>	<b>100%</b>	<b>100,570</b>	<b>100%</b>

Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> 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	6,165	32.2%	6,242	19.7%	12,407	24.4%
Specialized Cargo Ships	116	0.6%	120	0.4%	236	0.5%
Container Ships	1,334	7.0%	3,624	11.5%	4,958	9.8%
Ro-Ro Cargo Ships	662	3.5%	843	2.7%	1,505	3.0%
Bulk Carriers	4,272	22.3%	4,963	15.7%	9,235	18.2%
Oil and Chemical Tankers	3,374	17.6%	6,602	20.9%	9,976	19.6%
Gas Tankers	451	2.4%	1,079	3.4%	1,530	3.0%
Other Tankers	165	0.9%	242	0.8%	407	0.8%
Passenger Ships	864	4.5%	2,045	6.5%	2,909	5.7%
Offshore Vessels	1,065	5.6%	3,442	10.9%	4,507	8.9%
Service Ships	536	2.8%	1,710	5.4%	2,246	4.4%
Tugs	153	0.8%	719	2.3%	872	1.7%
<b>Total</b>	<b>19,157</b>	<b>100%</b>	<b>31,631</b>	<b>100%</b>	<b>50,788</b>	<b>100%</b>

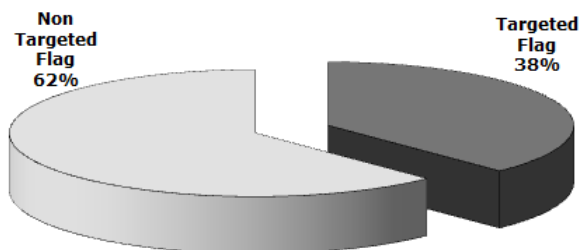
Source: Equasis

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

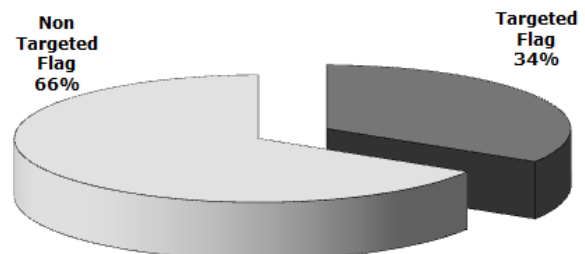
Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	24,687	7.3%	34,047	5.1%	58,734	5.9%
Specialized Cargo Ships	1,518	0.4%	1,722	0.3%	3,240	0.3%
Container Ships	44,657	13.2%	125,223	18.9%	169,880	17.0%
Ro-Ro Cargo Ships	19,748	5.9%	24,209	3.7%	43,957	4.4%
Bulk Carriers	147,113	43.6%	186,857	28.2%	333,970	33.4%
Oil and Chemical Tankers	71,567	21.2%	200,856	30.3%	272,424	27.2%
Gas Tankers	8,718	2.6%	40,585	6.1%	49,303	4.9%
Other Tankers	319	0.1%	728	0.1%	1,047	0.1%
Passenger Ships	11,660	3.5%	21,838	3.3%	33,498	3.3%
Offshore Vessels	5,582	1.7%	20,011	3.0%	25,593	2.6%
Service Ships	1,585	0.5%	6,430	1.0%	8,015	0.8%
Tugs	142	0.0%	730	0.1%	872	0.1%
<b>Total</b>	<b>337,296</b>	<b>100%</b>	<b>663,236</b>	<b>100%</b>	<b>1,000,532</b>	<b>100%</b>

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



GT

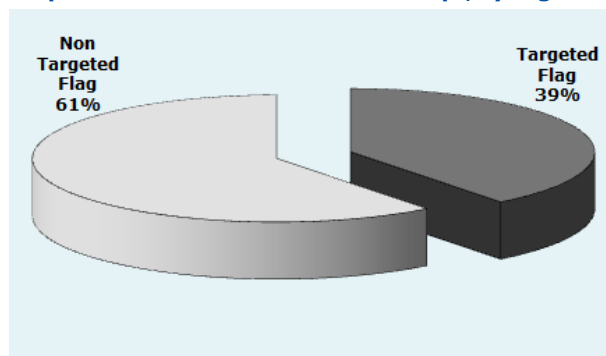
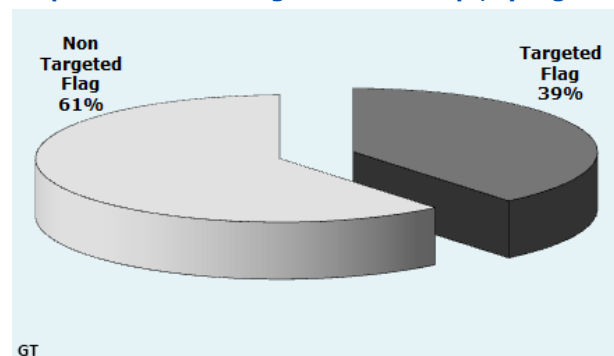
## MEDIUM SHIPS

**Table 15 - Total number of medium<sup>(1)</sup> ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	6,135	42.1%	6,075	27.2%	12,210	33.1%
Specialized Cargo Ships	91	0.6%	97	0.4%	188	0.5%
Container Ships	717	4.9%	1,694	7.6%	2,411	6.5%
Ro-Ro Cargo Ships	320	2.2%	454	2.0%	774	2.1%
Bulk Carriers	1,883	12.9%	1,764	7.9%	3,647	9.9%
Oil and Chemical Tankers	2,494	17.1%	3,879	17.4%	6,373	17.3%
Gas Tankers	349	2.4%	665	3.0%	1,014	2.7%
Other Tankers	165	1.1%	237	1.1%	402	1.1%
Passenger Ships	718	4.9%	1,787	8.0%	2,505	6.8%
Offshore Vessels	1,021	7.0%	3,291	14.7%	4,312	11.7%
Service Ships	529	3.6%	1,690	7.6%	2,219	6.0%
Tugs	153	1.0%	719	3.2%	872	2.4%
<b>Total</b>	<b>14,575</b>	<b>100%</b>	<b>22,352</b>	<b>100%</b>	<b>36,927</b>	<b>100%</b>

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	23,788	28.2%	28,841	21.9%	52,629	24.3%
Specialized Cargo Ships	583	0.7%	890	0.7%	1,473	0.7%
Container Ships	7,966	9.4%	20,500	15.6%	28,466	13.2%
Ro-Ro Cargo Ships	2,709	3.2%	4,712	3.6%	7,421	3.4%
Bulk Carriers	26,327	31.2%	26,168	19.9%	52,495	24.3%
Oil and Chemical Tankers	14,335	17.0%	24,562	18.6%	38,898	18.0%
Gas Tankers	1,662	2.0%	3,991	3.0%	5,653	2.6%
Other Tankers	319	0.4%	566	0.4%	885	0.4%
Passenger Ships	3,419	4.0%	7,639	5.8%	11,058	5.1%
Offshore Vessels	1,917	2.3%	7,635	5.8%	9,552	4.4%
Service Ships	1,304	1.5%	5,577	4.2%	6,880	3.2%
Tugs	142	0.2%	730	0.6%	872	0.4%
<b>Total</b>	<b>84,470</b>	<b>100%</b>	<b>131,811</b>	<b>100%</b>	<b>216,282</b>	<b>100%</b>

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

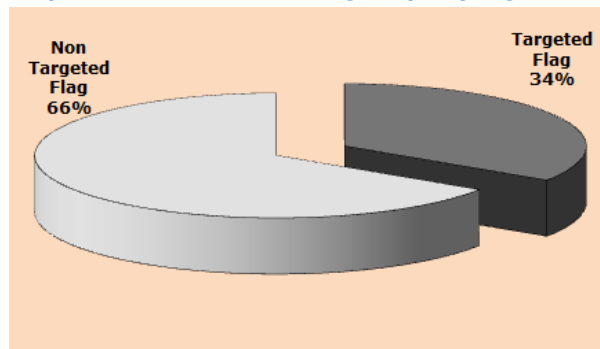
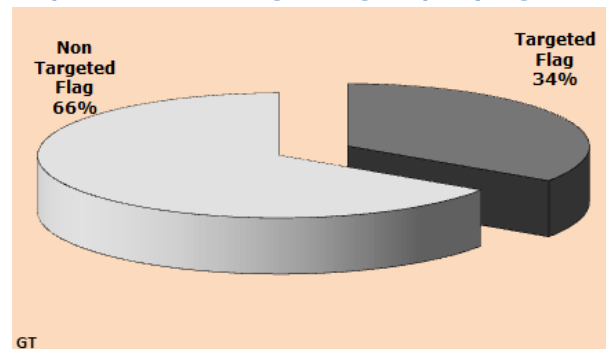
## LARGE SHIPS

**Table 17 - Total number of large<sup>(1)</sup> ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	30	0.9%	167	2.7%	197	2.1%
Specialized Cargo Ships	25	0.8%	23	0.4%	48	0.5%
Container Ships	372	11.4%	1,307	20.8%	1,679	17.6%
Ro-Ro Cargo Ships	283	8.7%	304	4.8%	587	6.2%
Bulk Carriers	1,796	55.0%	2,419	38.6%	4,215	44.2%
Oil and Chemical Tankers	582	17.8%	1,673	26.7%	2,255	23.6%
Gas Tankers	59	1.8%	128	2.0%	187	2.0%
Other Tankers			5	0.1%	5	0.1%
Passenger Ships	95	2.9%	174	2.8%	269	2.8%
Offshore Vessels	18	0.6%	57	0.9%	75	0.8%
Service Ships	6	0.2%	17	0.3%	23	0.2%
Tugs						
<b>Total</b>	<b>3,266</b>	<b>100%</b>	<b>6,274</b>	<b>100%</b>	<b>9,540</b>	<b>100%</b>

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	898	0.7%	5,206	2.2%	6,105	1.7%
Specialized Cargo Ships	935	0.8%	832	0.4%	1,767	0.5%
Container Ships	15,142	12.3%	49,844	21.2%	64,987	18.1%
Ro-Ro Cargo Ships	13,254	10.7%	13,983	5.9%	27,237	7.6%
Bulk Carriers	64,974	52.6%	86,538	36.7%	151,512	42.2%
Oil and Chemical Tankers	21,270	17.2%	64,052	27.2%	85,322	23.8%
Gas Tankers	2,569	2.1%	5,614	2.4%	8,184	2.3%
Other Tankers			162	0.1%	162	0.0%
Passenger Ships	3,391	2.7%	6,169	2.6%	9,560	2.7%
Offshore Vessels	824	0.7%	2,539	1.1%	3,363	0.9%
Service Ships	211	0.2%	658	0.3%	868	0.2%
Tugs						
<b>Total</b>	<b>123,468</b>	<b>100%</b>	<b>235,599</b>	<b>100%</b>	<b>359,067</b>	<b>100%</b>

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

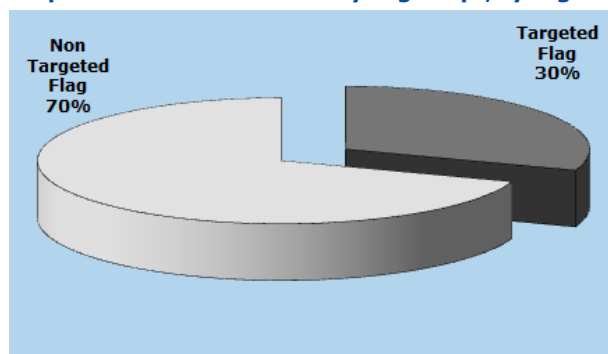
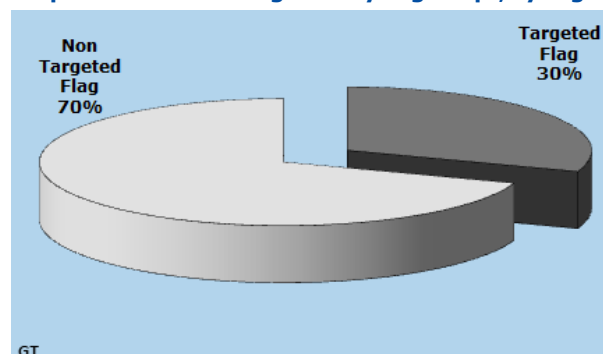
## VERY LARGE SHIPS

**Table 19 - Total number of very large<sup>(1)</sup> ships, by type and flag**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	245	18.6%	623	20.7%	868	20.1%
Ro-Ro Cargo Ships	59	4.5%	85	2.8%	144	3.3%
Bulk Carriers	593	45.1%	780	26.0%	1,373	31.8%
Oil and Chemical Tankers	298	22.6%	1,050	34.9%	1,348	31.2%
Gas Tankers	43	3.3%	286	9.5%	329	7.6%
Other Tankers						
Passenger Ships	51	3.9%	84	2.8%	135	3.1%
Offshore Vessels	26	2.0%	94	3.1%	120	2.8%
Service Ships	1	0.1%	3	0.1%	4	0.1%
Tugs						
<b>Total</b>	<b>1,316</b>	<b>100%</b>	<b>3,005</b>	<b>100%</b>	<b>4,321</b>	<b>100%</b>

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	21,549	16.7%	54,879	18.6%	76,428	18.0%
Ro-Ro Cargo Ships	3,785	2.9%	5,513	1.9%	9,298	2.2%
Bulk Carriers	55,813	43.1%	74,151	25.1%	129,963	30.6%
Oil and Chemical Tankers	35,963	27.8%	112,241	37.9%	148,204	34.9%
Gas Tankers	4,487	3.5%	30,979	10.5%	35,466	8.3%
Other Tankers						
Passenger Ships	4,850	3.7%	8,029	2.7%	12,880	3.0%
Offshore Vessels	2,841	2.2%	9,837	3.3%	12,678	3.0%
Service Ships	71	0.1%	196	0.1%	266	0.1%
Tugs						
<b>Total</b>	<b>129,358</b>	<b>100%</b>	<b>295,826</b>	<b>100%</b>	<b>425,183</b>	<b>100%</b>

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

## Chapter 3

# 3. Classification Societies

## INTRODUCTION

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

This chapter and all other tables and graphs dealing with classification societies in this publication, with the exception of Chapter 5.5 and 5.6, only refer to the 'class' function; that is, they only indicate the societies that issue 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 2011, IACS consisted of 13 member societies:

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

The tables in this chapter show the proportion of the Equasis fleet GT $\geq$ 500, in each ship size category and ship type, which were classed with members of IACS and those classed with classification

societies which were not members of IACS. Data on class comes from IACS members and for non-IACS classification societies the information is supplied by IHS Fairplay when available.

There are about 4500 ships, which equates to a tonnage of 21,395,000 tons (that is respectively 5% and 2% in number and tonnage) for which no classification data is available at all in Equasis. For simplicity reasons, and because the IACS Classification Societies provide their data directly to Equasis, these ships are grouped with non-IACS ships under the heading "Non-IACS/No Record".

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

In chapter 3.4 the detention rate of ships is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU) and USCG regions in 2011. All detentions are taken into account, irrespective of whether or not the deficiencies giving rise to the detention were indicated by PSC as being related to the activities of the Classification Society/Recognised Organisation.

## RESULTS

Graph 21 shows that the Equasis fleet over 500 GT is dominated by ships classed by IACS members (76% by number and 96% by tonnage).

This proportion is reflected in most of the ship types although general cargo ships account for almost half of the world's fleet over 500GT that are not IACS classed (Table 21). Graphs 23 to 28 show that the IACS share increases with size, with 98% and 99% of the large and very large ship



size category, by number and tonnage, being classified by IACS members. Ships covered by non-IACS members are almost all medium sized (Tables 23, 25, 27).

As Graphs 29, 37, 45 and 53 show, the IACS' coverage is greater among the younger fleet and tends to diminish with age – from 92% of ships aged up to 5 years to 46% of the fleet over 25 years old.

The safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 3.86% of inspections resulted in detention in 2011. Those ships with an IACS class were less likely to be detained in 2011 (2.92%) than those with non-IACS members or with no recorded class (11.42%).

The number of inspection on vessels in the very large ship size category with a non-IACS class or no recorded class is too small to be statistically significant, and the 0% detention rate for this category is meaningless, as it is based on only 21 inspections on 41 ships.

## 3.1. CLASS STATUS

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

Table 21 - World fleet GT≥500 : total number of ships, by type and class

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	7,081	18.3%	5,326	43.8%	12,407	24.4%
Specialized Cargo Ships	173	0.4%	63	0.5%	236	0.5%
Container Ships	4,735	12.3%	223	1.8%	4,958	9.8%
Ro-Ro Cargo Ships	1,315	3.4%	190	1.6%	1,505	3.0%
Bulk Carriers	8,210	21.2%	1,025	8.4%	9,235	18.2%
Oil and Chemical Tankers	8,212	21.3%	1,764	14.5%	9,976	19.6%
Gas Tankers	1,368	3.5%	162	1.3%	1,530	3.0%
Other Tankers	245	0.6%	162	1.3%	407	0.8%
Passenger Ships	1,495	3.9%	1,414	11.6%	2,909	5.7%
Offshore Vessels	3,941	10.2%	566	4.7%	4,507	8.9%
Service Ships	1,224	3.2%	1,022	8.4%	2,246	4.4%
Tugs	637	1.6%	235	1.9%	872	1.7%
<b>Total</b>	<b>38,636</b>	<b>100%</b>	<b>12,152</b>	<b>100%</b>	<b>50,788</b>	<b>100%</b>

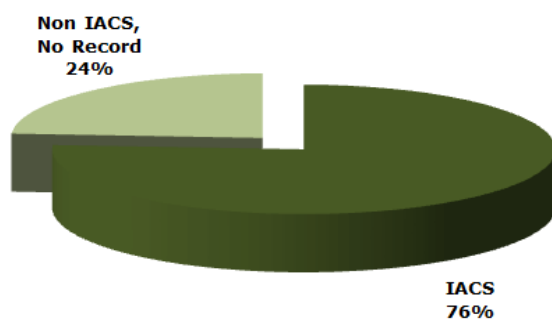
Source: Equasis - IACS membership on 31/12/2011

Table 22 - World fleet GT≥500 : gross tonnage (in 1000 t) of ships, by type and class

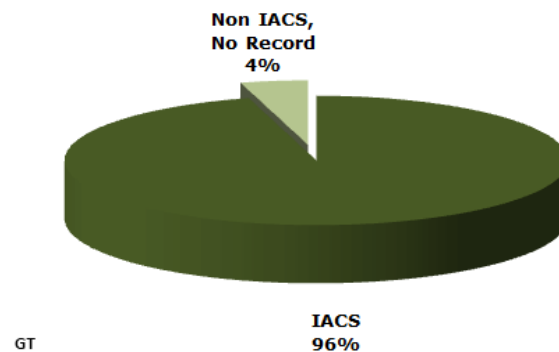
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	45,728	4.8%	13,005	29.6%	58,734	5.9%
Specialized Cargo Ships	2,991	0.3%	249	0.6%	3,240	0.3%
Container Ships	168,469	17.6%	1,411	3.2%	169,880	17.0%
Ro-Ro Cargo Ships	42,917	4.5%	1,040	2.4%	43,957	4.4%
Bulk Carriers	318,959	33.3%	15,011	34.1%	333,970	33.4%
Oil and Chemical Tankers	267,488	28.0%	4,936	11.2%	272,424	27.2%
Gas Tankers	48,942	5.1%	361	0.8%	49,303	4.9%
Other Tankers	857	0.1%	191	0.4%	1,047	0.1%
Passenger Ships	29,761	3.1%	3,737	8.5%	33,498	3.3%
Offshore Vessels	23,842	2.5%	1,751	4.0%	25,593	2.6%
Service Ships	5,920	0.6%	2,096	4.8%	8,015	0.8%
Tugs	664	0.1%	207	0.5%	872	0.1%
<b>Total</b>	<b>956,537</b>	<b>100%</b>	<b>43,995</b>	<b>100%</b>	<b>1,000,532</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

Graph 21 - World fleet GT≥500 : total number of ships, by class



Graph 22 - World fleet GT≥500 : gross tonnage of ships, by class



## MEDIUM SHIPS

**Table 23 - Total number of medium<sup>(1)</sup> ships, by type and class**

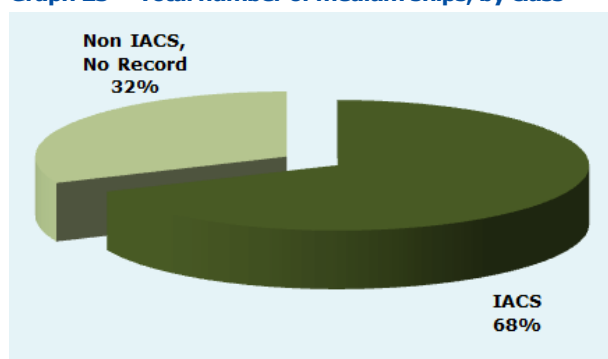
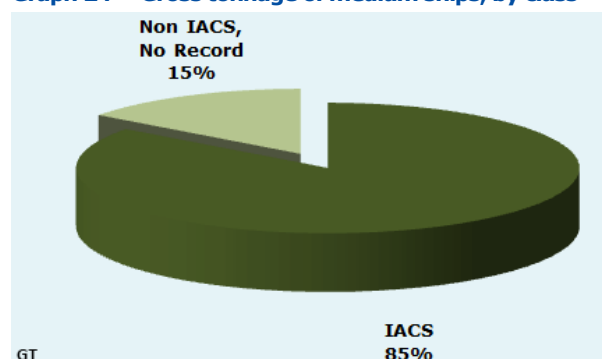
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	6,885	27.5%	5,325	44.8%	12,210	33.1%
Specialized Cargo Ships	127	0.5%	61	0.5%	188	0.5%
Container Ships	2,194	8.8%	217	1.8%	2,411	6.5%
Ro-Ro Cargo Ships	590	2.4%	184	1.5%	774	2.1%
Bulk Carriers	2,821	11.3%	826	6.9%	3,647	9.9%
Oil and Chemical Tankers	4,632	18.5%	1,741	14.6%	6,373	17.3%
Gas Tankers	854	3.4%	160	1.3%	1,014	2.7%
Other Tankers	240	1.0%	162	1.4%	402	1.1%
Passenger Ships	1,094	4.4%	1,411	11.9%	2,505	6.8%
Offshore Vessels	3,760	15.0%	552	4.6%	4,312	11.7%
Service Ships	1,201	4.8%	1,018	8.6%	2,219	6.0%
Tugs	637	2.5%	235	2.0%	872	2.4%
<b>Total</b>	<b>25,035</b>	<b>100%</b>	<b>11,892</b>	<b>100%</b>	<b>36,927</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Table 24 - Gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	39,657	21.6%	12,972	39.7%	52,629	24.3%
Specialized Cargo Ships	1,293	0.7%	180	0.5%	1,473	0.7%
Container Ships	27,348	14.9%	1,117	3.4%	28,466	13.2%
Ro-Ro Cargo Ships	6,680	3.6%	741	2.3%	7,421	3.4%
Bulk Carriers	45,474	24.8%	7,021	21.5%	52,495	24.3%
Oil and Chemical Tankers	35,028	19.1%	3,870	11.8%	38,898	18.0%
Gas Tankers	5,386	2.9%	267	0.8%	5,653	2.6%
Other Tankers	694	0.4%	191	0.6%	885	0.4%
Passenger Ships	7,410	4.0%	3,648	11.2%	11,058	5.1%
Offshore Vessels	8,946	4.9%	606	1.9%	9,552	4.4%
Service Ships	4,999	2.7%	1,882	5.8%	6,880	3.2%
Tugs	664	0.4%	207	0.6%	872	0.4%
<b>Total</b>	<b>183,580</b>	<b>100%</b>	<b>32,702</b>	<b>100%</b>	<b>216,282</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Graph 23 - Total number of medium ships, by class****Graph 24 - Gross tonnage of medium ships, by class**

## LARGE SHIPS

**Table 25 - Total number of large<sup>(1)</sup> ships, by type and class**

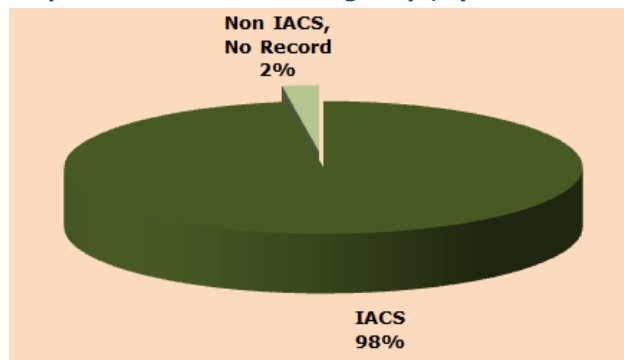
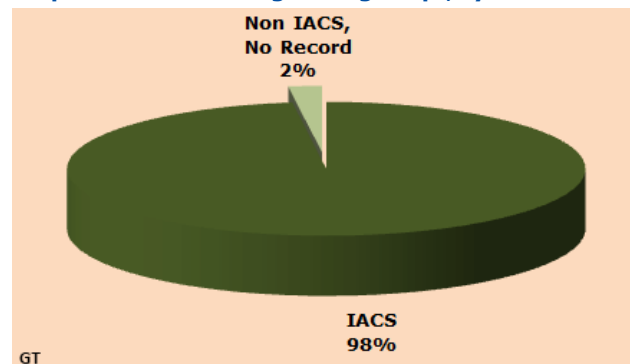
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	196	2.1%	1	0.5%	197	2.1%
Specialized Cargo Ships	46	0.5%	2	0.9%	48	0.5%
Container Ships	1,675	18.0%	4	1.8%	1,679	17.6%
Ro-Ro Cargo Ships	584	6.3%	3	1.4%	587	6.2%
Bulk Carriers	4,041	43.4%	174	79.5%	4,215	44.2%
Oil and Chemical Tankers	2,233	24.0%	22	10.0%	2,255	23.6%
Gas Tankers	185	2.0%	2	0.9%	187	2.0%
Other Tankers	5	0.1%			5	0.1%
Passenger Ships	266	2.9%	3	1.4%	269	2.8%
Offshore Vessels	69	0.7%	6	2.7%	75	0.8%
Service Ships	21	0.2%	2	0.9%	23	0.2%
Tugs						
<b>Total</b>	<b>9,321</b>	<b>100%</b>	<b>219</b>	<b>100%</b>	<b>9,540</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2011

**Table 26 - Gross tonnage (in 1000 t) of large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	6,071	1.7%	34	0.4%	6,105	1.7%
Specialized Cargo Ships	1,698	0.5%	69	0.9%	1,767	0.5%
Container Ships	64,860	18.5%	127	1.7%	64,987	18.1%
Ro-Ro Cargo Ships	27,122	7.7%	115	1.5%	27,237	7.6%
Bulk Carriers	145,759	41.5%	5,753	76.2%	151,512	42.2%
Oil and Chemical Tankers	84,416	24.0%	906	12.0%	85,322	23.8%
Gas Tankers	8,090	2.3%	94	1.2%	8,184	2.3%
Other Tankers	162	0.0%			162	0.0%
Passenger Ships	9,471	2.7%	89	1.2%	9,560	2.7%
Offshore Vessels	3,080	0.9%	282	3.7%	3,363	0.9%
Service Ships	786	0.2%	82	1.1%	868	0.2%
Tugs						
<b>Total</b>	<b>351,515</b>	<b>100%</b>	<b>7,552</b>	<b>100%</b>	<b>359,067</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2011

**Graph 25 - Total number of large ships, by class****Graph 26 - Gross tonnage of large ships, by class**

## VERY LARGE SHIPS

**Table 27 - Total number of very large<sup>(1)</sup> ships, by type and class**

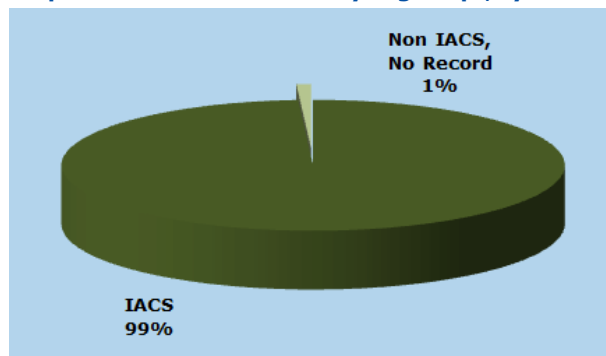
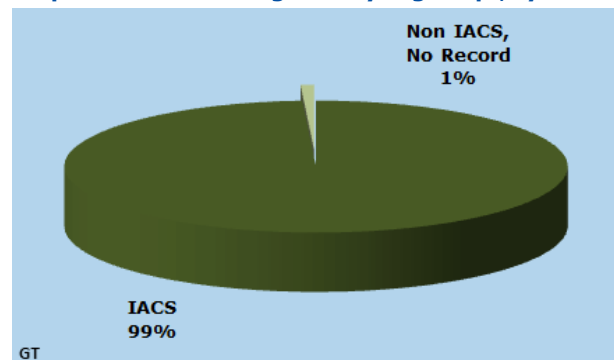
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	866	20.2%	2	4.9%	868	20.1%
Ro-Ro Cargo Ships	141	3.3%	3	7.3%	144	3.3%
Bulk Carriers	1,348	31.5%	25	61.0%	1,373	31.8%
Oil and Chemical Tankers	1,347	31.5%	1	2.4%	1,348	31.2%
Gas Tankers	329	7.7%			329	7.6%
Other Tankers						
Passenger Ships	135	3.2%			135	3.1%
Offshore Vessels	112	2.6%	8	19.5%	120	2.8%
Service Ships	2	0.0%	2	4.9%	4	0.1%
Tugs						
<b>Total</b>	<b>4,280</b>	<b>100%</b>	<b>41</b>	<b>100%</b>	<b>4,321</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000 - IACS membership on 31/12/2011

**Table 28 - Gross tonnage (in 1000 t) of very large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	76,261	18.1%	167	4.5%	76,428	18.0%
Ro-Ro Cargo Ships	9,115	2.2%	184	4.9%	9,298	2.2%
Bulk Carriers	127,726	30.3%	2,237	59.8%	129,963	30.6%
Oil and Chemical Tankers	148,044	35.1%	160	4.3%	148,204	34.9%
Gas Tankers	35,466	8.4%			35,466	8.3%
Other Tankers						
Passenger Ships	12,880	3.1%			12,880	3.0%
Offshore Vessels	11,815	2.8%	863	23.1%	12,678	3.0%
Service Ships	135	0.0%	131	3.5%	266	0.1%
Tugs						
<b>Total</b>	<b>421,442</b>	<b>100%</b>	<b>3,742</b>	<b>100%</b>	<b>425,183</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000 - IACS membership on 31/12/2011

**Graph 27 - Total number of very large ships, by class****Graph 28 - Gross tonnage of very large ships, by class**

## 3.2. CLASS STATUS AND AGE

## 0-4 YEARS OLD SHIPS

**Table 29 - World fleet GT≥500: total number of 0-4 years old ships, by type and class**

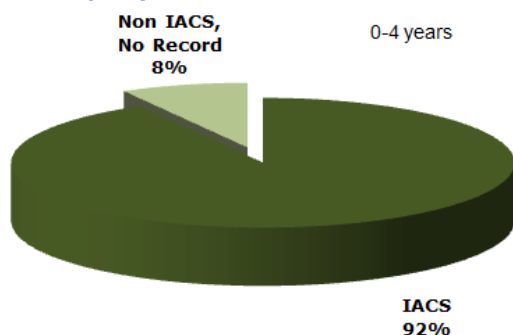
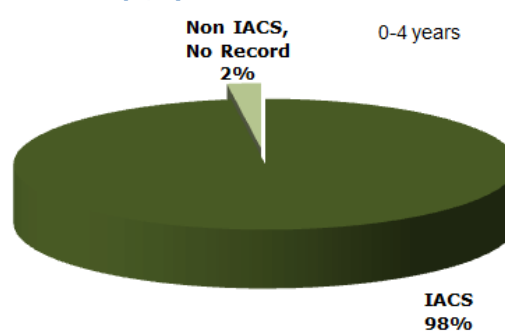
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,461	11.7%	409	36.6%	1,870	13.7%
Specialized Cargo Ships	42	0.3%	2	0.2%	44	0.3%
Container Ships	1,520	12.2%	33	3.0%	1,553	11.4%
Ro-Ro Cargo Ships	372	3.0%	9	0.8%	381	2.8%
Bulk Carriers	3,153	25.2%	274	24.5%	3,427	25.2%
Oil and Chemical Tankers	3,173	25.4%	112	10.0%	3,285	24.1%
Gas Tankers	477	3.8%	8	0.7%	485	3.6%
Other Tankers	77	0.6%	10	0.9%	87	0.6%
Passenger Ships	216	1.7%	130	11.6%	346	2.5%
Offshore Vessels	1,637	13.1%	49	4.4%	1,686	12.4%
Service Ships	198	1.6%	65	5.8%	263	1.9%
Tugs	172	1.4%	17	1.5%	189	1.4%
<b>Total</b>	<b>12,498</b>	<b>100%</b>	<b>1,118</b>	<b>100%</b>	<b>13,616</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 30 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 0-4 years old, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	12,043	3.1%	1,305	15.0%	13,348	3.3%
Specialized Cargo Ships	577	0.1%	19	0.2%	596	0.1%
Container Ships	70,249	18.0%	208	2.4%	70,457	17.6%
Ro-Ro Cargo Ships	17,163	4.4%	287	3.3%	17,451	4.4%
Bulk Carriers	140,762	36.0%	4,883	56.0%	145,645	36.4%
Oil and Chemical Tankers	111,327	28.5%	683	7.8%	112,010	28.0%
Gas Tankers	23,223	5.9%	133	1.5%	23,356	5.8%
Other Tankers	360	0.1%	17	0.2%	377	0.1%
Passenger Ships	6,695	1.7%	487	5.6%	7,182	1.8%
Offshore Vessels	7,065	1.8%	520	6.0%	7,586	1.9%
Service Ships	1,534	0.4%	156	1.8%	1,690	0.4%
Tugs	184	0.0%	18	0.2%	202	0.1%
<b>Total</b>	<b>391,182</b>	<b>100%</b>	<b>8,717</b>	<b>100%</b>	<b>399,900</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 29 - World fleet GT≥500: total number of 0-4 years old ships, by class****Graph 30 - World fleet GT≥500: gross tonnage of 0-4 years old of ships, by class**

## 0-4 YEARS OLD MEDIUM SHIPS

**Table 31 - Total number of 0-4 years old medium<sup>(1)</sup> ships, by type and class**

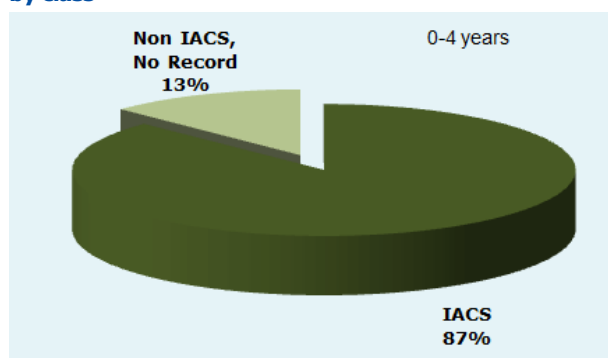
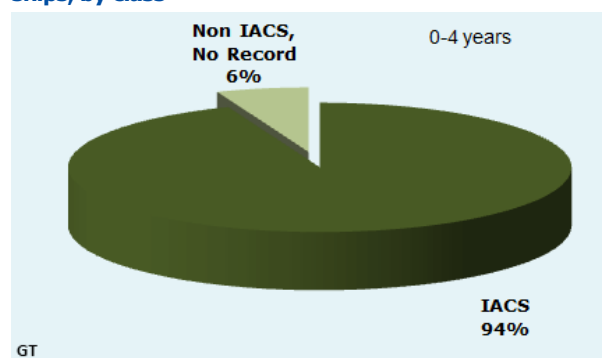
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,423	20.5%	408	40.2%	1,831	23.0%
Specialized Cargo Ships	39	0.6%	2	0.2%	41	0.5%
Container Ships	550	7.9%	32	3.2%	582	7.3%
Ro-Ro Cargo Ships	53	0.8%	4	0.4%	57	0.7%
Bulk Carriers	839	12.1%	191	18.8%	1,030	12.9%
Oil and Chemical Tankers	1,645	23.6%	106	10.5%	1,751	22.0%
Gas Tankers	253	3.6%	6	0.6%	259	3.2%
Other Tankers	75	1.1%	10	1.0%	85	1.1%
Passenger Ships	130	1.9%	129	12.7%	259	3.2%
Offshore Vessels	1,590	22.9%	44	4.3%	1,634	20.5%
Service Ships	188	2.7%	65	6.4%	253	3.2%
Tugs	172	2.5%	17	1.7%	189	2.4%
<b>Total</b>	<b>6,957</b>	<b>100%</b>	<b>1,014</b>	<b>100%</b>	<b>7,971</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 32 - Gross tonnage (in 1000 t) of 0-4 years old medium<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	10,709	18.9%	1,271	35.5%	11,980	19.9%
Specialized Cargo Ships	464	0.8%	19	0.5%	483	0.8%
Container Ships	7,354	13.0%	132	3.7%	7,486	12.4%
Ro-Ro Cargo Ships	740	1.3%	16	0.5%	757	1.3%
Bulk Carriers	15,331	27.1%	1,058	29.6%	16,389	27.2%
Oil and Chemical Tankers	13,462	23.8%	304	8.5%	13,766	22.9%
Gas Tankers	2,077	3.7%	39	1.1%	2,116	3.5%
Other Tankers	292	0.5%	17	0.5%	309	0.5%
Passenger Ships	559	1.0%	462	12.9%	1,021	1.7%
Offshore Vessels	4,297	7.6%	83	2.3%	4,379	7.3%
Service Ships	1,146	2.0%	156	4.4%	1,303	2.2%
Tugs	184	0.3%	18	0.5%	202	0.3%
<b>Total</b>	<b>56,614</b>	<b>100%</b>	<b>3,577</b>	<b>100%</b>	<b>60,191</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 31 - Total number of 0-4 years old medium ships, by class****Graph 32 - Gross tonnage of 0-4 years old medium ships, by class**

## 0-4 YEARS OLD LARGE SHIPS

**Table 33 - Total number of 0-4 years old large<sup>(1)</sup> ships, by type and class**

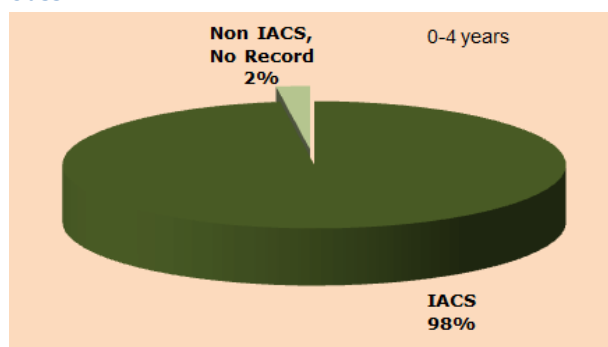
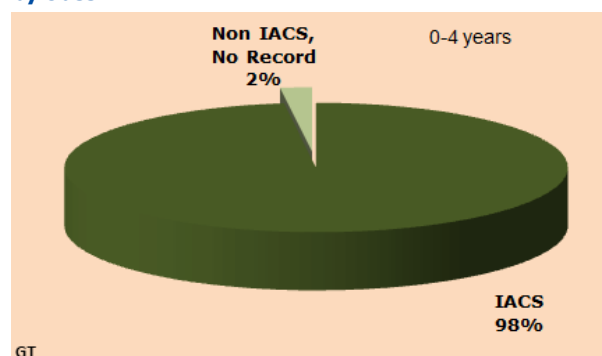
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	38	1.1%	1	1.3%	39	1.1%
Specialized Cargo Ships	3	0.1%			3	0.1%
Container Ships	563	15.8%			563	15.4%
Ro-Ro Cargo Ships	237	6.6%	2	2.5%	239	6.6%
Bulk Carriers	1,665	46.7%	66	83.5%	1,731	47.5%
Oil and Chemical Tankers	914	25.6%	5	6.3%	919	25.2%
Gas Tankers	70	2.0%	2	2.5%	72	2.0%
Other Tankers	2	0.1%			2	0.1%
Passenger Ships	44	1.2%	1	1.3%	45	1.2%
Offshore Vessels	23	0.6%	2	2.5%	25	0.7%
Service Ships	10	0.3%			10	0.3%
Tugs						
<b>Total</b>	<b>3,569</b>	<b>100%</b>	<b>79</b>	<b>100%</b>	<b>3,648</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 34 - Gross tonnage (in 1000 t) of 0-4 years old large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,334	1.0%	34	1.2%	1,368	1.0%
Specialized Cargo Ships	113	0.1%			113	0.1%
Container Ships	22,245	16.3%			22,245	15.9%
Ro-Ro Cargo Ships	11,110	8.1%	87	3.0%	11,197	8.0%
Bulk Carriers	62,788	45.9%	2,310	80.8%	65,099	46.7%
Oil and Chemical Tankers	32,831	24.0%	219	7.7%	33,049	23.7%
Gas Tankers	3,191	2.3%	94	3.3%	3,285	2.4%
Other Tankers	68	0.0%			68	0.0%
Passenger Ships	1,515	1.1%	25	0.9%	1,540	1.1%
Offshore Vessels	1,081	0.8%	91	3.2%	1,171	0.8%
Service Ships	387	0.3%			387	0.3%
Tugs						
<b>Total</b>	<b>136,663</b>	<b>100%</b>	<b>2,859</b>	<b>100%</b>	<b>139,522</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 33 - Total number of 0-4 years old large ships, by class****Graph 34 - Gross tonnage of 0-4 years old large ships, by class**



## 0-4 YEARS OLD VERY LARGE SHIPS

**Table 35 - Total number of 0-4 years old very large<sup>(1)</sup> ships, by type and class**

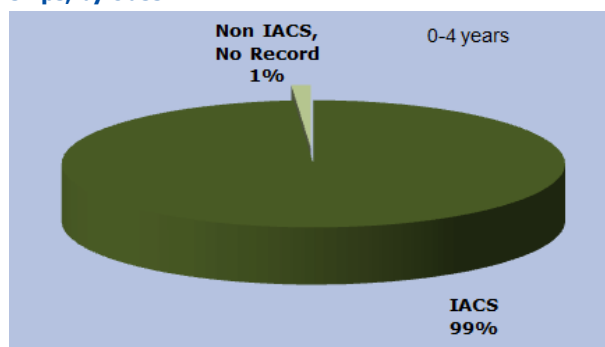
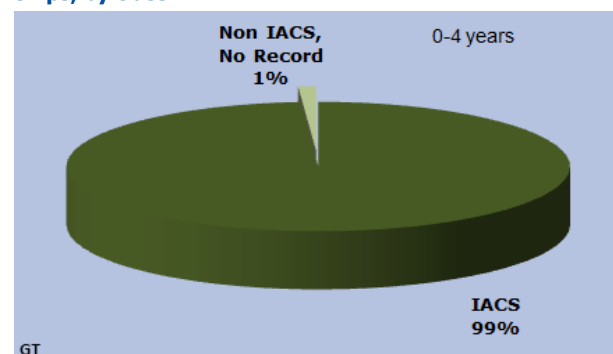
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	407	20.6%	1	4.0%	408	20.4%
Ro-Ro Cargo Ships	82	4.2%	3	12.0%	85	4.3%
Bulk Carriers	649	32.9%	17	68.0%	666	33.4%
Oil and Chemical Tankers	614	31.1%	1	4.0%	615	30.8%
Gas Tankers	154	7.8%			154	7.7%
Other Tankers						
Passenger Ships	42	2.1%			42	2.1%
Offshore Vessels	24	1.2%	3	12.0%	27	1.4%
Service Ships						
Tugs						
<b>Total</b>	<b>1,972</b>	<b>100%</b>	<b>25</b>	<b>100%</b>	<b>1,997</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 36 - Gross tonnage (in 1000 t) of 0-4 years old very large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	40,650	20.5%	76	3.3%	40,726	20.3%
Ro-Ro Cargo Ships	5,314	2.7%	184	8.1%	5,497	2.7%
Bulk Carriers	62,643	31.7%	1,514	66.4%	64,157	32.0%
Oil and Chemical Tankers	65,035	32.9%	160	7.0%	65,195	32.6%
Gas Tankers	17,955	9.1%			17,955	9.0%
Other Tankers						
Passenger Ships	4,621	2.3%			4,621	2.3%
Offshore Vessels	1,688	0.9%	347	15.2%	2,036	1.0%
Service Ships						
Tugs						
<b>Total</b>	<b>197,905</b>	<b>100%</b>	<b>2,281</b>	<b>100%</b>	<b>200,187</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 35 - Total number of 0-4 years old very large ships, by class****Graph 36 - Gross tonnage of 0-4 years old very large ships, by class**

## 5-14 YEARS OLD SHIPS

**Table 37 - World fleet GT≥500: total number of 5-14 years old ships, by type and class**

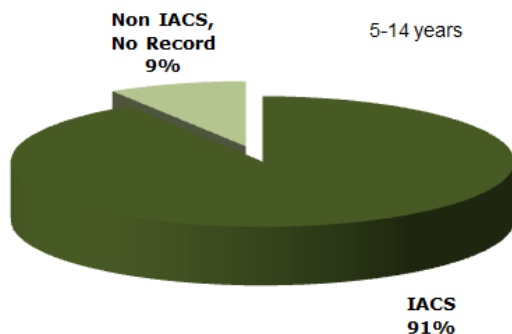
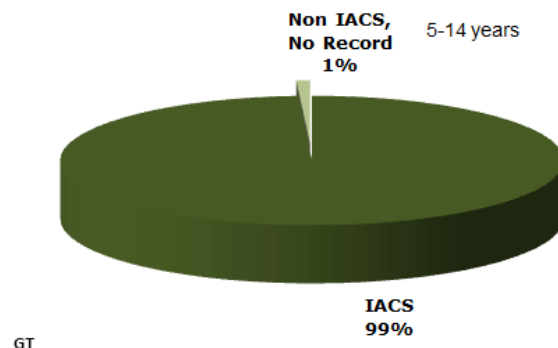
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	1,753	14.6%	467	39.3%	2,220	16.9%
Specialized Cargo Ships	22	0.2%			22	0.2%
Container Ships	2,097	17.5%	51	4.3%	2,148	16.3%
Ro-Ro Cargo Ships	439	3.7%	9	0.8%	448	3.4%
Bulk Carriers	2,398	20.0%	61	5.1%	2,459	18.7%
Oil and Chemical Tankers	3,029	25.3%	115	9.7%	3,144	23.9%
Gas Tankers	403	3.4%	4	0.3%	407	3.1%
Other Tankers	40	0.3%	8	0.7%	48	0.4%
Passenger Ships	464	3.9%	259	21.8%	723	5.5%
Offshore Vessels	977	8.2%	57	4.8%	1,034	7.9%
Service Ships	230	1.9%	140	11.8%	370	2.8%
Tugs	125	1.0%	17	1.4%	142	1.1%
<b>Total</b>	<b>11,977</b>	<b>100%</b>	<b>1,188</b>	<b>100%</b>	<b>13,165</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 38 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 5-14 years old, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	12,588	3.6%	976	31.3%	13,564	3.9%
Specialized Cargo Ships	307	0.1%			307	0.1%
Container Ships	72,305	20.9%	370	11.9%	72,676	20.9%
Ro-Ro Cargo Ships	15,290	4.4%	13	0.4%	15,304	4.4%
Bulk Carriers	90,373	26.2%	276	8.8%	90,649	26.0%
Oil and Chemical Tankers	119,947	34.7%	316	10.1%	120,263	34.5%
Gas Tankers	15,682	4.5%	6	0.2%	15,688	4.5%
Other Tankers	195	0.1%	12	0.4%	207	0.1%
Passenger Ships	12,263	3.6%	778	24.9%	13,041	3.7%
Offshore Vessels	4,810	1.4%	106	3.4%	4,916	1.4%
Service Ships	1,347	0.4%	252	8.1%	1,599	0.5%
Tugs	148	0.0%	18	0.6%	166	0.0%
<b>Total</b>	<b>345,254</b>	<b>100%</b>	<b>3,124</b>	<b>100%</b>	<b>348,378</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 37 - World fleet GT≥500: total number of 5-14 years old ships, by class****Graph 38 - World fleet GT≥500: gross tonnage of 5-14 years old of ships, by class**

## 5-14 YEARS OLD MEDIUM SHIPS

**Table 39 - Total number of 5-14 years old medium<sup>(1)</sup> ships, by type and class**

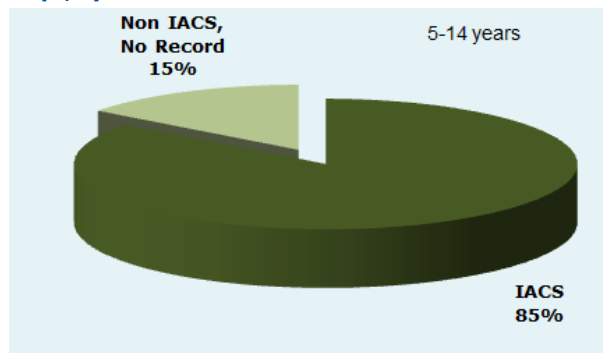
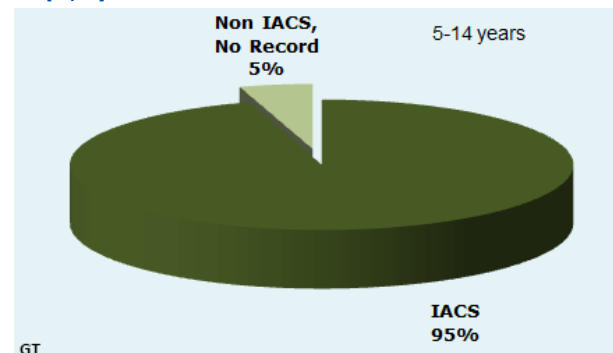
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,692	25.1%	467	39.6%	2,159	27.3%
Specialized Cargo Ships	19	0.3%			19	0.2%
Container Ships	934	13.9%	48	4.1%	982	12.4%
Ro-Ro Cargo Ships	191	2.8%	9	0.8%	200	2.5%
Bulk Carriers	627	9.3%	59	5.0%	686	8.7%
Oil and Chemical Tankers	1,423	21.1%	113	9.6%	1,536	19.4%
Gas Tankers	230	3.4%	4	0.3%	234	3.0%
Other Tankers	38	0.6%	8	0.7%	46	0.6%
Passenger Ships	286	4.2%	259	21.9%	545	6.9%
Offshore Vessels	943	14.0%	56	4.7%	999	12.6%
Service Ships	226	3.4%	140	11.9%	366	4.6%
Tugs	125	1.9%	17	1.4%	142	1.8%
<b>Total</b>	<b>6,734</b>	<b>100%</b>	<b>1,180</b>	<b>100%</b>	<b>7,914</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 40 - Gross tonnage (in 1000 t) of 5-14 years old medium<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	10,666	19.5%	976	35.8%	11,642	20.3%
Specialized Cargo Ships	187	0.3%			187	0.3%
Container Ships	11,599	21.2%	215	7.9%	11,813	20.6%
Ro-Ro Cargo Ships	2,505	4.6%	13	0.5%	2,518	4.4%
Bulk Carriers	9,645	17.6%	159	5.8%	9,804	17.1%
Oil and Chemical Tankers	13,062	23.9%	249	9.1%	13,310	23.2%
Gas Tankers	1,465	2.7%	6	0.2%	1,470	2.6%
Other Tankers	129	0.2%	12	0.4%	141	0.2%
Passenger Ships	1,750	3.2%	778	28.5%	2,528	4.4%
Offshore Vessels	2,316	4.2%	47	1.7%	2,363	4.1%
Service Ships	1,193	2.2%	252	9.3%	1,445	2.5%
Tugs	148	0.3%	18	0.7%	166	0.3%
<b>Total</b>	<b>54,664</b>	<b>100%</b>	<b>2,725</b>	<b>100%</b>	<b>57,389</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 39 - Total number of 5-14 years old medium ships, by class****Graph 40 - Gross tonnage of 5-14 years old medium ships, by class**

## 5-14 YEARS OLD LARGE SHIPS

**Table 41 - Total number of 5-14 years old large<sup>(1)</sup> ships, by type and class**

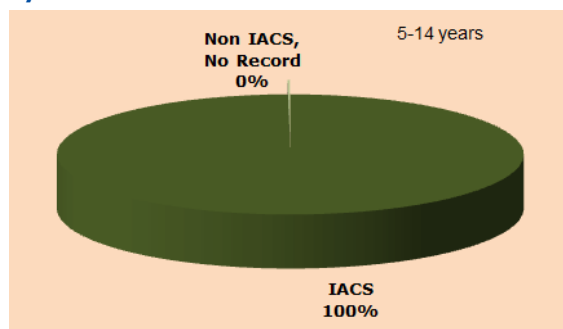
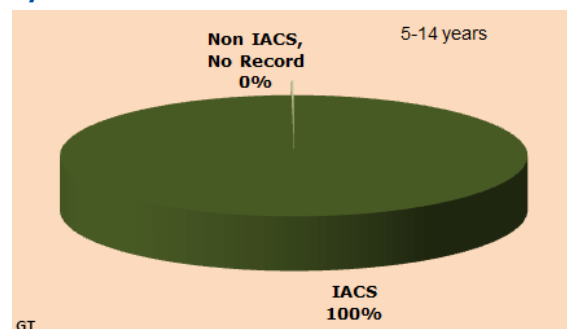
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	61	1.7%			61	1.7%
Specialized Cargo Ships	3	0.1%			3	0.1%
Container Ships	742	20.5%	2	33.3%	744	20.5%
Ro-Ro Cargo Ships	194	5.4%			194	5.4%
Bulk Carriers	1,429	39.5%	1	16.7%	1,430	39.5%
Oil and Chemical Tankers	1,002	27.7%	2	33.3%	1,004	27.7%
Gas Tankers	58	1.6%			58	1.6%
Other Tankers	2	0.1%			2	0.1%
Passenger Ships	106	2.9%			106	2.9%
Offshore Vessels	15	0.4%	1	16.7%	16	0.4%
Service Ships	4	0.1%			4	0.1%
Tugs						
<b>Total</b>	<b>3,616</b>	<b>100%</b>	<b>6</b>	<b>100%</b>	<b>3,622</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 42 - Gross tonnage (in 1000 t) of 5-14 years old large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,922	1.4%			1,922	1.4%
Specialized Cargo Ships	120	0.1%			120	0.1%
Container Ships	27,606	20.4%	65	29.4%	27,671	20.4%
Ro-Ro Cargo Ships	9,324	6.9%			9,324	6.9%
Bulk Carriers	50,291	37.1%	29	13.3%	50,320	37.1%
Oil and Chemical Tankers	38,982	28.8%	67	30.5%	39,049	28.8%
Gas Tankers	2,466	1.8%			2,466	1.8%
Other Tankers	66	0.0%			66	0.0%
Passenger Ships	3,788	2.8%			3,788	2.8%
Offshore Vessels	671	0.5%	59	26.8%	730	0.5%
Service Ships	154	0.1%			154	0.1%
Tugs						
<b>Total</b>	<b>135,388</b>	<b>100%</b>	<b>221</b>	<b>100%</b>	<b>135,609</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 41 - Total number of 5-14 years old large ships, by class****Graph 42 - Gross tonnage of 5-14 years old large ships, by class**

## 5-14 YEARS OLD VERY LARGE SHIPS

**Table 43 - Total number of 5-14 years old very large<sup>(1)</sup> ships, by type and class**

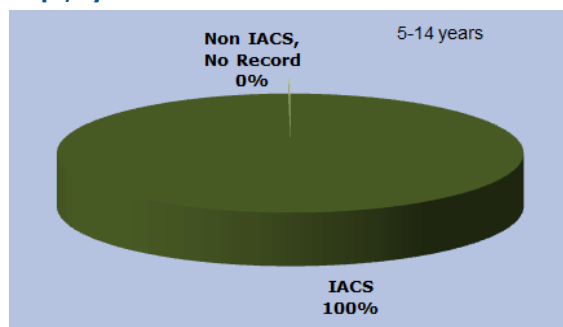
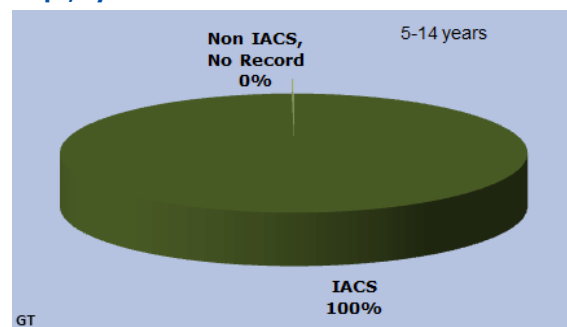
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	421	25.9%	1	50.0%	422	25.9%
Ro-Ro Cargo Ships	54	3.3%			54	3.3%
Bulk Carriers	342	21.0%	1	50.0%	343	21.1%
Oil and Chemical Tankers	604	37.1%			604	37.1%
Gas Tankers	115	7.1%			115	7.1%
Other Tankers						
Passenger Ships	72	4.4%			72	4.4%
Offshore Vessels	19	1.2%			19	1.2%
Service Ships						
Tugs						
<b>Total</b>	<b>1,627</b>	<b>100%</b>	<b>2</b>	<b>100%</b>	<b>1,629</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 44 - Gross tonnage (in 1000 t) of 5-14 years old very large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	33,101	21.3%	91	50.9%	33,192	21.4%
Ro-Ro Cargo Ships	3,461	2.2%			3,461	2.2%
Bulk Carriers	30,437	19.6%	87	49.1%	30,525	19.6%
Oil and Chemical Tankers	67,904	43.8%			67,904	43.7%
Gas Tankers	11,751	7.6%			11,751	7.6%
Other Tankers						
Passenger Ships	6,725	4.3%			6,725	4.3%
Offshore Vessels	1,823	1.2%			1,823	1.2%
Service Ships						
Tugs						
<b>Total</b>	<b>155,202</b>	<b>100%</b>	<b>178</b>	<b>100%</b>	<b>155,381</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 43 - Total number of 5-14 years old very large ships, by class****Graph 44 - Gross tonnage of 5-14 years old very large ships, by class**

## 15-24 YEARS OLD SHIPS

**Table 45 - World fleet GT≥500: total number of 15-24 years old ships, by type and class**

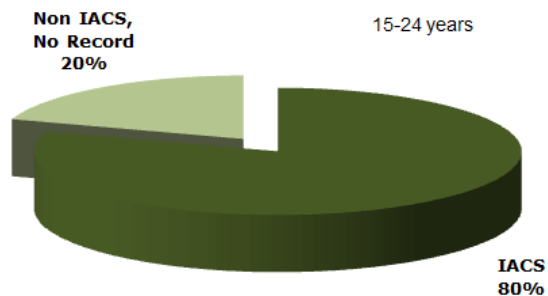
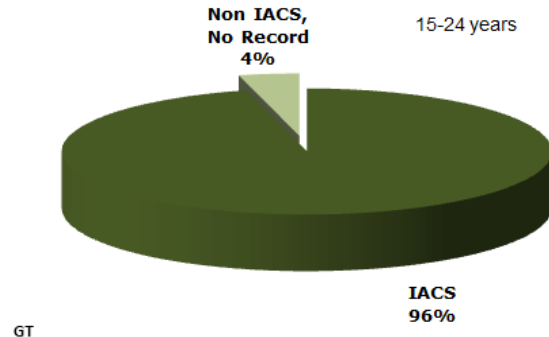
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,900	26.3%	766	41.4%	2,666	29.3%
Specialized Cargo Ships	35	0.5%	2	0.1%	37	0.4%
Container Ships	906	12.5%	34	1.8%	940	10.3%
Ro-Ro Cargo Ships	246	3.4%	28	1.5%	274	3.0%
Bulk Carriers	1,413	19.5%	163	8.8%	1,576	17.3%
Oil and Chemical Tankers	1,435	19.8%	299	16.2%	1,734	19.1%
Gas Tankers	342	4.7%	11	0.6%	353	3.9%
Other Tankers	53	0.7%	26	1.4%	79	0.9%
Passenger Ships	388	5.4%	330	17.8%	718	7.9%
Offshore Vessels	195	2.7%	19	1.0%	214	2.4%
Service Ships	248	3.4%	151	8.2%	399	4.4%
Tugs	74	1.0%	21	1.1%	95	1.0%
<b>Total</b>	<b>7,235</b>	<b>100%</b>	<b>1,850</b>	<b>100%</b>	<b>9,085</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 46 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 15-24 years old, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	10,646	7.2%	1,539	24.7%	12,185	7.9%
Specialized Cargo Ships	738	0.5%	2	0.0%	740	0.5%
Container Ships	21,263	14.3%	258	4.1%	21,521	13.9%
Ro-Ro Cargo Ships	5,734	3.9%	103	1.6%	5,837	3.8%
Bulk Carriers	59,535	40.0%	1,830	29.4%	61,365	39.6%
Oil and Chemical Tankers	32,259	21.7%	883	14.2%	33,142	21.4%
Gas Tankers	6,129	4.1%	21	0.3%	6,150	4.0%
Other Tankers	152	0.1%	31	0.5%	183	0.1%
Passenger Ships	6,588	4.4%	1,010	16.2%	7,598	4.9%
Offshore Vessels	4,598	3.1%	234	3.8%	4,832	3.1%
Service Ships	1,060	0.7%	291	4.7%	1,352	0.9%
Tugs	63	0.0%	32	0.5%	95	0.1%
<b>Total</b>	<b>148,764</b>	<b>100%</b>	<b>6,234</b>	<b>100%</b>	<b>154,998</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 45 - World fleet GT≥500: total number of 15-24 years old ships, by class****Graph 46 - World fleet GT≥500: gross tonnage of 15-24 years old of ships, by class**

## 15-24 YEARS OLD MEDIUM SHIPS

**Table 47 - Total number of 15-24 years old medium<sup>(1)</sup> ships, by type and class**

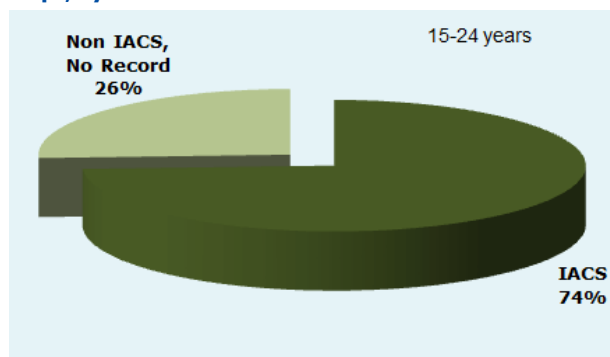
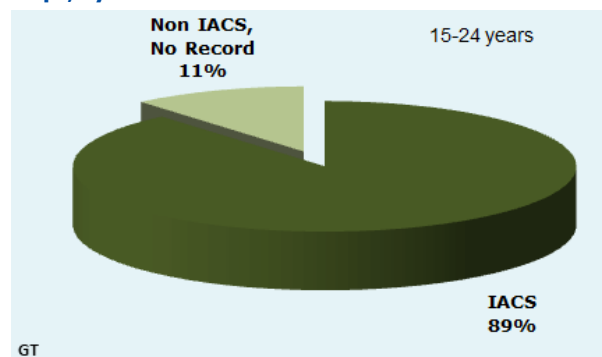
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,865	36.0%	766	42.5%	2,631	37.7%
Specialized Cargo Ships	19	0.4%	2	0.1%	21	0.3%
Container Ships	585	11.3%	33	1.8%	618	8.9%
Ro-Ro Cargo Ships	154	3.0%	28	1.6%	182	2.6%
Bulk Carriers	447	8.6%	127	7.0%	574	8.2%
Oil and Chemical Tankers	1,027	19.8%	292	16.2%	1,319	18.9%
Gas Tankers	272	5.3%	11	0.6%	283	4.1%
Other Tankers	52	1.0%	26	1.4%	78	1.1%
Passenger Ships	286	5.5%	329	18.2%	615	8.8%
Offshore Vessels	153	3.0%	17	0.9%	170	2.4%
Service Ships	246	4.7%	151	8.4%	397	5.7%
Tugs	74	1.4%	21	1.2%	95	1.4%
<b>Total</b>	<b>5,180</b>	<b>100%</b>	<b>1,803</b>	<b>100%</b>	<b>6,983</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 48 - Gross tonnage (in 1000 t) of 15-24 years old medium<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	9,562	27.4%	1,539	34.3%	11,100	28.1%
Specialized Cargo Ships	109	0.3%	2	0.0%	111	0.3%
Container Ships	6,878	19.7%	229	5.1%	7,107	18.0%
Ro-Ro Cargo Ships	1,519	4.3%	103	2.3%	1,621	4.1%
Bulk Carriers	5,947	17.0%	622	13.9%	6,569	16.7%
Oil and Chemical Tankers	5,962	17.1%	591	13.2%	6,553	16.6%
Gas Tankers	1,378	3.9%	21	0.5%	1,399	3.5%
Other Tankers	124	0.4%	31	0.7%	154	0.4%
Passenger Ships	2,067	5.9%	983	22.0%	3,050	7.7%
Offshore Vessels	380	1.1%	37	0.8%	417	1.1%
Service Ships	966	2.8%	291	6.5%	1,258	3.2%
Tugs	63	0.2%	32	0.7%	95	0.2%
<b>Total</b>	<b>34,954</b>	<b>100%</b>	<b>4,480</b>	<b>100%</b>	<b>39,434</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 47 - Total number of 15-24 years old medium ships, by class****Graph 48 - Gross tonnage of 15-24 years old medium ships, by class**

## 15-24 YEARS OLD LARGE SHIPS

**Table 49 - Total number of 15-24 years old large<sup>(1)</sup> ships, by type and class**

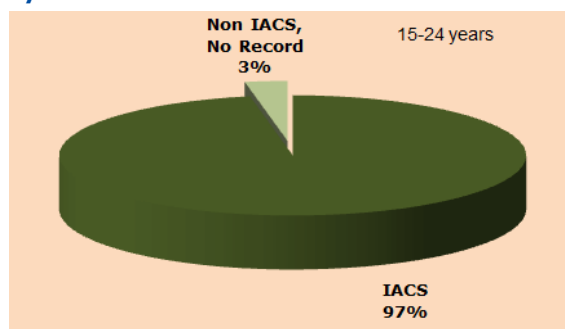
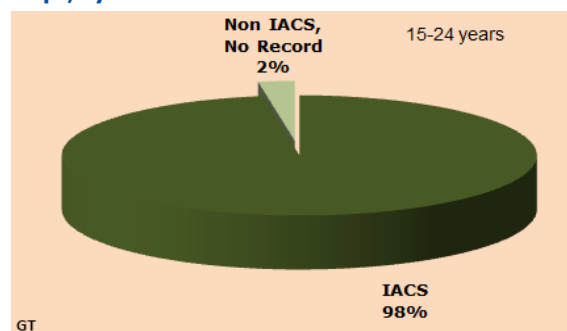
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	35	2.4%			35	2.3%
Specialized Cargo Ships	16	1.1%			16	1.0%
Container Ships	283	19.1%	1	2.2%	284	18.6%
Ro-Ro Cargo Ships	90	6.1%			90	5.9%
Bulk Carriers	644	43.4%	35	77.8%	679	44.4%
Oil and Chemical Tankers	281	18.9%	7	15.6%	288	18.8%
Gas Tankers	40	2.7%			40	2.6%
Other Tankers	1	0.1%			1	0.1%
Passenger Ships	81	5.5%	1	2.2%	82	5.4%
Offshore Vessels	13	0.9%	1	2.2%	14	0.9%
Service Ships	1	0.1%			1	0.1%
Tugs						
<b>Total</b>	<b>1,485</b>	<b>100%</b>	<b>45</b>	<b>100%</b>	<b>1,530</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 50 - Gross tonnage (in 1000 t) of 15-24 years old large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,084	1.9%			1,084	1.9%
Specialized Cargo Ships	629	1.1%			629	1.1%
Container Ships	11,875	20.9%	29	2.0%	11,904	20.5%
Ro-Ro Cargo Ships	4,076	7.2%			4,076	7.0%
Bulk Carriers	22,375	39.4%	1,053	72.7%	23,428	40.3%
Oil and Chemical Tankers	11,320	19.9%	292	20.2%	11,612	20.0%
Gas Tankers	1,701	3.0%			1,701	2.9%
Other Tankers	29	0.1%			29	0.0%
Passenger Ships	2,987	5.3%	27	1.9%	3,014	5.2%
Offshore Vessels	642	1.1%	47	3.3%	689	1.2%
Service Ships	30	0.1%			30	0.1%
Tugs						
<b>Total</b>	<b>56,745</b>	<b>100%</b>	<b>1,449</b>	<b>100%</b>	<b>58,195</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 49 - Total number of 15-24 years old large ships, by class****Graph 50 - Gross tonnage of 15-24 years old large ships, by class**



## 15-24 YEARS OLD VERY LARGE SHIPS

**Table 51 - Total number of 15-24 years old very large<sup>(1)</sup> ships, by type and class**

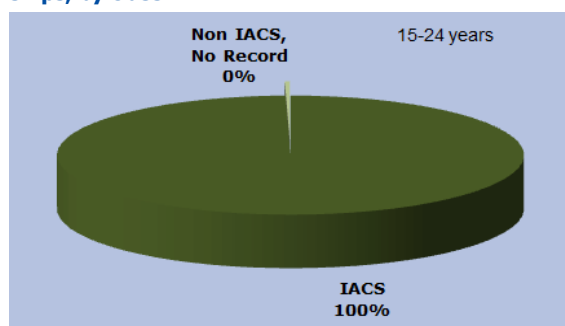
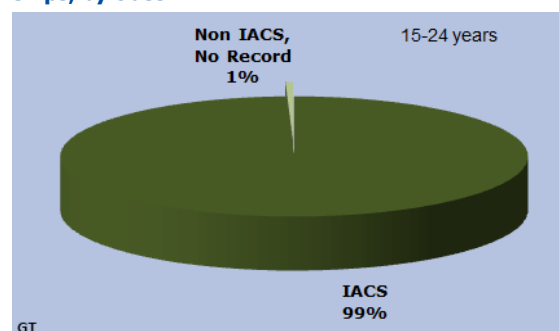
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	38	6.7%			38	6.6%
Ro-Ro Cargo Ships	2	0.4%			2	0.3%
Bulk Carriers	322	56.5%	1	50.0%	323	56.5%
Oil and Chemical Tankers	127	22.3%			127	22.2%
Gas Tankers	30	5.3%			30	5.2%
Other Tankers						
Passenger Ships	21	3.7%			21	3.7%
Offshore Vessels	29	5.1%	1	50.0%	30	5.2%
Service Ships	1	0.2%			1	0.2%
Tugs						
<b>Total</b>	<b>570</b>	<b>100%</b>	<b>2</b>	<b>100%</b>	<b>572</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 52 - Gross tonnage (in 1000 t) of 15-24 years old very large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	2,510	4.4%			2,510	4.4%
Ro-Ro Cargo Ships	140	0.2%			140	0.2%
Bulk Carriers	31,213	54.7%	155	50.7%	31,368	54.7%
Oil and Chemical Tankers	14,977	26.2%			14,977	26.1%
Gas Tankers	3,050	5.3%			3,050	5.3%
Other Tankers						
Passenger Ships	1,534	2.7%			1,534	2.7%
Offshore Vessels	3,576	6.3%	150	49.3%	3,726	6.5%
Service Ships	64	0.1%			64	0.1%
Tugs						
<b>Total</b>	<b>57,064</b>	<b>100%</b>	<b>305</b>	<b>100%</b>	<b>57,369</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 51 - Total number of 15-24 years old very large ships, by class****Graph 52 - Gross tonnage of 15-24 years old very large ships, by class**

## 25+ YEARS OLD SHIPS

**Table 53 - World fleet GT≥500: total number of 25+ years old ships, by type and class**

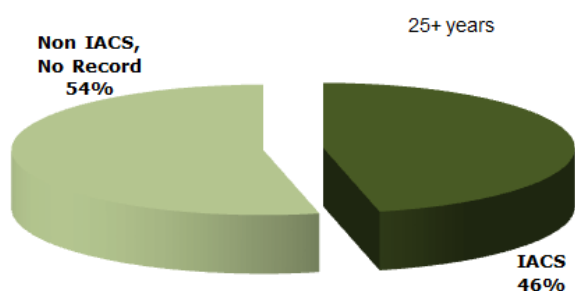
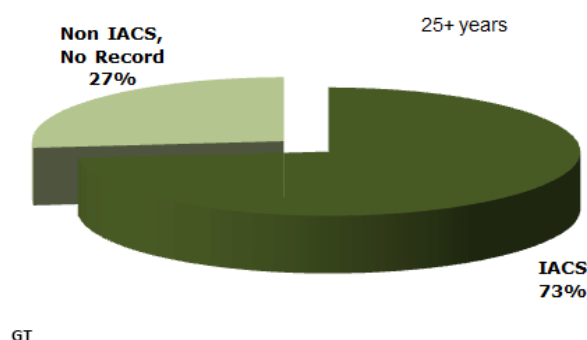
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,967	28.4%	3,684	46.1%	5,651	37.9%
Specialized Cargo Ships	74	1.1%	59	0.7%	133	0.9%
Container Ships	212	3.1%	105	1.3%	317	2.1%
Ro-Ro Cargo Ships	258	3.7%	144	1.8%	402	2.7%
Bulk Carriers	1,246	18.0%	527	6.6%	1,773	11.9%
Oil and Chemical Tankers	575	8.3%	1,238	15.5%	1,813	12.1%
Gas Tankers	146	2.1%	139	1.7%	285	1.9%
Other Tankers	75	1.1%	118	1.5%	193	1.3%
Passenger Ships	427	6.2%	695	8.7%	1,122	7.5%
Offshore Vessels	1,132	16.3%	441	5.5%	1,573	10.5%
Service Ships	548	7.9%	666	8.3%	1,214	8.1%
Tugs	266	3.8%	180	2.3%	446	3.0%
<b>Total</b>	<b>6,926</b>	<b>100%</b>	<b>7,996</b>	<b>100%</b>	<b>14,922</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Table 54 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 25+ years old, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	10,451	14.7%	9,186	35.4%	19,637	20.2%
Specialized Cargo Ships	1,369	1.9%	228	0.9%	1,597	1.6%
Container Ships	4,652	6.5%	575	2.2%	5,226	5.4%
Ro-Ro Cargo Ships	4,729	6.6%	637	2.5%	5,366	5.5%
Bulk Carriers	28,289	39.7%	8,022	31.0%	36,311	37.3%
Oil and Chemical Tankers	3,955	5.5%	3,054	11.8%	7,008	7.2%
Gas Tankers	3,908	5.5%	201	0.8%	4,110	4.2%
Other Tankers	150	0.2%	131	0.5%	281	0.3%
Passenger Ships	4,215	5.9%	1,461	5.6%	5,677	5.8%
Offshore Vessels	7,369	10.3%	890	3.4%	8,259	8.5%
Service Ships	1,979	2.8%	1,396	5.4%	3,375	3.5%
Tugs	270	0.4%	140	0.5%	409	0.4%
<b>Total</b>	<b>71,336</b>	<b>100%</b>	<b>25,920</b>	<b>100%</b>	<b>97,256</b>	<b>100%</b>

Source: Equasis - IACS membership on 31/12/2011

**Graph 53 - World fleet GT≥500: total number of 25+ years old ships, by class****Graph 54 - World fleet GT≥500: gross tonnage of 25+ years old of ships, by class**

## 25+ YEARS OLD MEDIUM SHIPS

**Table 55 - Total number of 25+ years old medium<sup>(1)</sup> ships, by type and class**

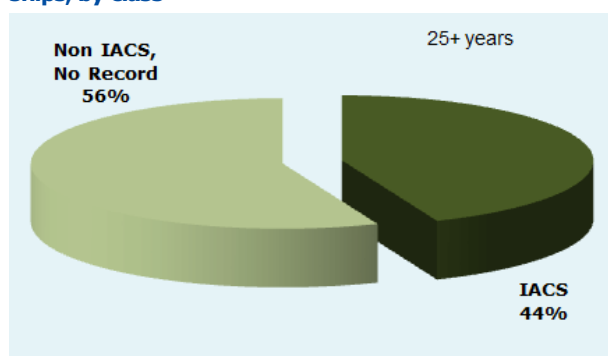
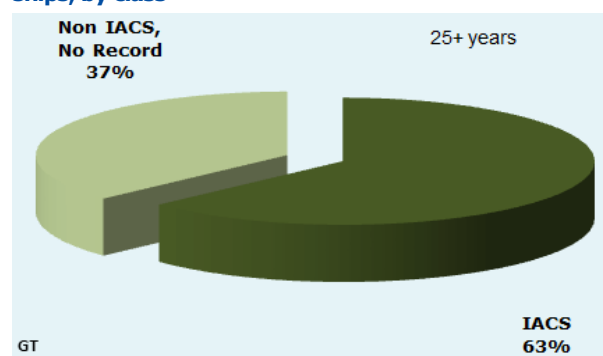
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,905	30.9%	3,684	46.7%	5,589	39.8%
Specialized Cargo Ships	50	0.8%	57	0.7%	107	0.8%
Container Ships	125	2.0%	104	1.3%	229	1.6%
Ro-Ro Cargo Ships	192	3.1%	143	1.8%	335	2.4%
Bulk Carriers	908	14.7%	449	5.7%	1,357	9.7%
Oil and Chemical Tankers	537	8.7%	1,230	15.6%	1,767	12.6%
Gas Tankers	99	1.6%	139	1.8%	238	1.7%
Other Tankers	75	1.2%	118	1.5%	193	1.4%
Passenger Ships	392	6.4%	694	8.8%	1,086	7.7%
Offshore Vessels	1,074	17.4%	435	5.5%	1,509	10.7%
Service Ships	541	8.8%	662	8.4%	1,203	8.6%
Tugs	266	4.3%	180	2.3%	446	3.2%
<b>Total</b>	<b>6,164</b>	<b>100%</b>	<b>7,895</b>	<b>100%</b>	<b>14,059</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Table 56 - Gross tonnage (in 1000 t) of 25+ years old medium<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	8,721	23.4%	9,186	41.9%	17,907	30.2%
Specialized Cargo Ships	533	1.4%	159	0.7%	691	1.2%
Container Ships	1,518	4.1%	542	2.5%	2,060	3.5%
Ro-Ro Cargo Ships	1,916	5.1%	609	2.8%	2,525	4.3%
Bulk Carriers	14,551	39.0%	5,182	23.6%	19,732	33.3%
Oil and Chemical Tankers	2,542	6.8%	2,726	12.4%	5,268	8.9%
Gas Tankers	467	1.3%	201	0.9%	668	1.1%
Other Tankers	150	0.4%	131	0.6%	281	0.5%
Passenger Ships	3,034	8.1%	1,424	6.5%	4,458	7.5%
Offshore Vessels	1,954	5.2%	439	2.0%	2,393	4.0%
Service Ships	1,693	4.5%	1,182	5.4%	2,874	4.9%
Tugs	270	0.7%	140	0.6%	409	0.7%
<b>Total</b>	<b>37,348</b>	<b>100%</b>	<b>21,920</b>	<b>100%</b>	<b>59,268</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Graph 55 - Total number of 25+ years old medium ships, by class****Graph 56 - Gross tonnage of 25+ years old medium ships, by class**

## 25+ YEARS OLD LARGE SHIPS

**Table 57 - Total number of 25+ years old large<sup>(1)</sup> ships, by type and class**

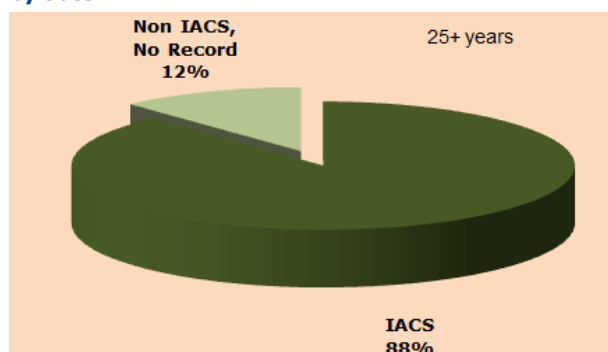
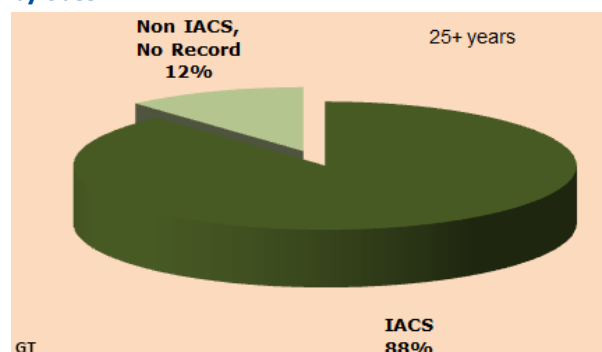
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	62	9.5%			62	8.4%
Specialized Cargo Ships	24	3.7%	2	2.2%	26	3.5%
Container Ships	87	13.4%	1	1.1%	88	11.9%
Ro-Ro Cargo Ships	63	9.7%	1	1.1%	64	8.6%
Bulk Carriers	303	46.5%	72	80.9%	375	50.7%
Oil and Chemical Tankers	36	5.5%	8	9.0%	44	5.9%
Gas Tankers	17	2.6%			17	2.3%
Other Tankers						
Passenger Ships	35	5.4%	1	1.1%	36	4.9%
Offshore Vessels	18	2.8%	2	2.2%	20	2.7%
Service Ships	6	0.9%	2	2.2%	8	1.1%
Tugs						
<b>Total</b>	<b>651</b>	<b>100%</b>	<b>89</b>	<b>100%</b>	<b>740</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Table 58 - Gross tonnage (in 1000 t) of 25+ years old large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,730	7.6%			1,730	6.7%
Specialized Cargo Ships	837	3.7%	69	2.3%	906	3.5%
Container Ships	3,134	13.8%	33	1.1%	3,167	12.3%
Ro-Ro Cargo Ships	2,613	11.5%	28	0.9%	2,641	10.3%
Bulk Carriers	10,305	45.4%	2,360	78.1%	12,665	49.2%
Oil and Chemical Tankers	1,284	5.7%	328	10.8%	1,612	6.3%
Gas Tankers	732	3.2%			732	2.8%
Other Tankers						
Passenger Ships	1,181	5.2%	37	1.2%	1,218	4.7%
Offshore Vessels	687	3.0%	85	2.8%	772	3.0%
Service Ships	215	0.9%	82	2.7%	298	1.2%
Tugs						
<b>Total</b>	<b>22,719</b>	<b>100%</b>	<b>3,023</b>	<b>100%</b>	<b>25,742</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Graph 57 - Total number of 25+ years old large ships, by class****Graph 58 - Gross tonnage of 25+ years old large ships, by class**

## 25+ YEARS OLD VERY LARGE SHIPS

**Table 59 - Total number of 25+ years old very large<sup>(1)</sup> ships, by type and class**

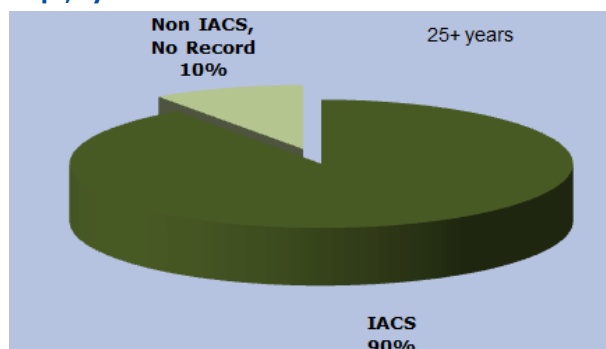
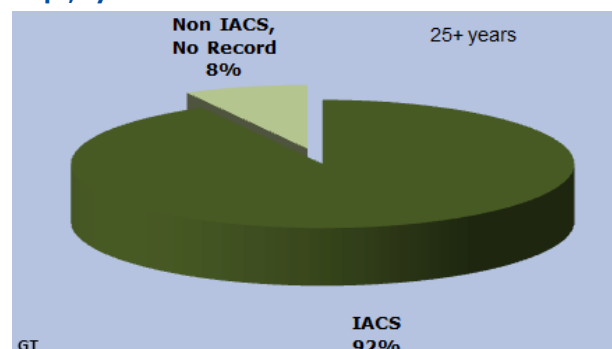
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships	3	2.7%			3	2.4%
Bulk Carriers	35	31.5%	6	50.0%	41	33.3%
Oil and Chemical Tankers	2	1.8%			2	1.6%
Gas Tankers	30	27.0%			30	24.4%
Other Tankers						
Passenger Ships						
Offshore Vessels	40	36.0%	4	33.3%	44	35.8%
Service Ships	1	0.9%	2	16.7%	3	2.4%
Tugs						
<b>Total</b>	<b>111</b>	<b>100%</b>	<b>12</b>	<b>100%</b>	<b>123</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Table 60 - Gross tonnage (in 1000 t) of 25+ years old very large<sup>(1)</sup> ships, by type and class**

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships						
Ro-Ro Cargo Ships	200	1.8%			200	1.6%
Bulk Carriers	3,433	30.5%	480	49.2%	3,913	32.0%
Oil and Chemical Tankers	129	1.1%			129	1.1%
Gas Tankers	2,709	24.0%			2,709	22.1%
Other Tankers						
Passenger Ships						
Offshore Vessels	4,728	42.0%	365	37.4%	5,093	41.6%
Service Ships	71	0.6%	131	13.4%	202	1.7%
Tugs						
<b>Total</b>	<b>11,269</b>	<b>100%</b>	<b>977</b>	<b>100%</b>	<b>12,247</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Graph 59 - Total number of 25+ years old very large ships, by class****Graph 60 - Gross tonnage of 25+ years old very large ships, by class**

## 3.3. CLASS STATUS AND FLAG

## WORLD FLEET GT≥500

Table 61 - 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		IACS		Non IACS/No Record		Total	
General Cargo Ships	2,745	21.4%	3,420	54.2%	6,165	4,336	16.8%	1,906	32.6%	6,242
Specialized Cargo Ships	63	0.5%	53	0.8%	116	110	0.4%	10	0.2%	120
Container Ships	1,206	9.4%	128	2.0%	1,334	3,529	13.7%	95	1.6%	3,624
Ro-Ro Cargo Ships	554	4.3%	108	1.7%	662	761	3.0%	82	1.4%	843
Bulk Carriers	3,748	29.2%	524	8.3%	4,272	4,462	17.3%	501	8.6%	4,963
Oil and Chemical Tankers	2,458	19.1%	916	14.5%	3,374	5,754	22.3%	848	14.5%	6,602
Gas Tankers	359	2.8%	92	1.5%	451	1,009	3.9%	70	1.2%	1,079
Other Tankers	90	0.7%	75	1.2%	165	155	0.6%	87	1.5%	242
Passenger Ships	434	3.4%	430	6.8%	864	1,061	4.1%	984	16.8%	2,045
Offshore Vessels	853	6.6%	212	3.4%	1,065	3,088	12.0%	354	6.1%	3,442
Service Ships	239	1.9%	297	4.7%	536	985	3.8%	725	12.4%	1,710
Tugs	100	0.8%	53	0.8%	153	537	2.1%	182	3.1%	719
<b>Total</b>	<b>12,849</b>	<b>100%</b>	<b>6,308</b>	<b>100%</b>	<b>19,157</b>	<b>25,787</b>	<b>100%</b>	<b>5,844</b>	<b>100%</b>	<b>31,631</b>

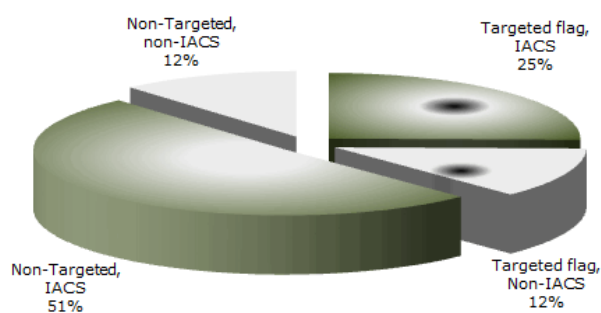
Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

Table 62 - World fleet GT≥500: gross tonnage (in 1000 t) of ships by type, class and flag

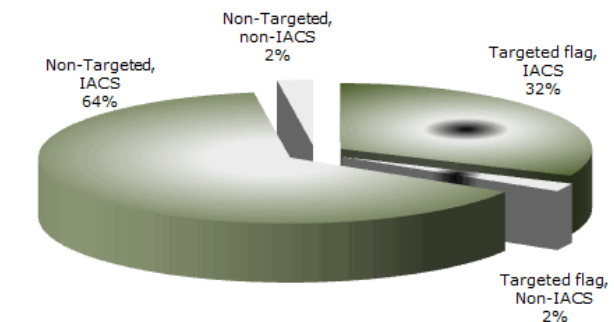
Ship Type	Targeted flag				Non Targeted flag					
	IACS		Non IACS/No Record		IACS		Non IACS/No Record		Total	
General Cargo Ships	16,496	5.2%	8,191	39.0%	24,687	29,233	4.6%	4,815	21.0%	34,047
Specialized Cargo Ships	1,339	0.4%	178	0.8%	1,518	1,652	0.3%	71	0.3%	1,722
Container Ships	43,975	13.9%	682	3.2%	44,657	124,494	19.4%	729	3.2%	125,223
Ro-Ro Cargo Ships	19,219	6.1%	529	2.5%	19,748	23,698	3.7%	511	2.2%	24,209
Bulk Carriers	140,892	44.5%	6,221	29.6%	147,113	178,067	27.8%	8,790	38.3%	186,857
Oil and Chemical Tankers	68,862	21.8%	2,706	12.9%	71,567	198,626	31.0%	2,230	9.7%	200,856
Gas Tankers	8,500	2.7%	218	1.0%	8,718	40,442	6.3%	143	0.6%	40,585
Other Tankers	227	0.1%	92	0.4%	319	630	0.1%	99	0.4%	728
Passenger Ships	10,455	3.3%	1,205	5.7%	11,660	19,306	3.0%	2,532	11.0%	21,838
Offshore Vessels	5,079	1.6%	503	2.4%	5,582	18,762	2.9%	1,248	5.4%	20,011
Service Ships	1,138	0.4%	447	2.1%	1,585	4,782	0.7%	1,648	7.2%	6,430
Tugs	89	0.0%	52	0.2%	142	575	0.1%	155	0.7%	730
<b>Total</b>	<b>316,271</b>	<b>100%</b>	<b>21,025</b>	<b>100%</b>	<b>337,296</b>	<b>640,266</b>	<b>100%</b>	<b>22,970</b>	<b>100%</b>	<b>663,236</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

Graph 61 - Total number of ships GT≥500, by class and flag



Graph 62 - Gross tonnage of ships GT≥500, by class and flag



GT

## MEDIUM SHIPS

**Table 63 - Total number of medium<sup>(1)</sup> ships by type, class and flag**

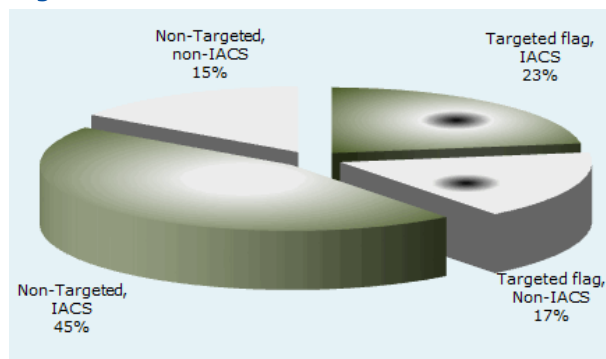
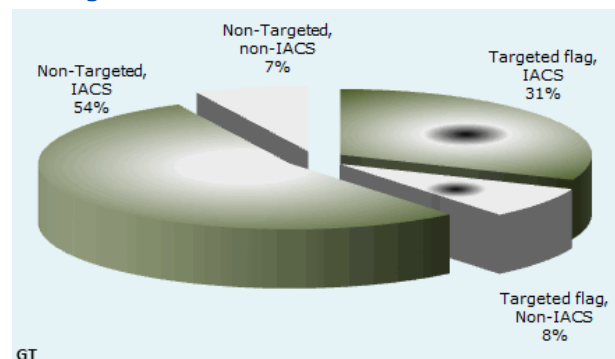
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships	2,715	32.5%	3,420	55.0%	6,135	4,170	25.0%	1,905	33.6%	6,075
Specialized Cargo Ships	39	0.5%	52	0.8%	91	88	0.5%	9	0.2%	97
Container Ships	590	7.1%	127	2.0%	717	1,604	9.6%	90	1.6%	1,694
Ro-Ro Cargo Ships	213	2.5%	107	1.7%	320	377	2.3%	77	1.4%	454
Bulk Carriers	1,423	17.0%	460	7.4%	1,883	1,398	8.4%	366	6.5%	1,764
Oil and Chemical Tankers	1,593	19.1%	901	14.5%	2,494	3,039	18.2%	840	14.8%	3,879
Gas Tankers	258	3.1%	91	1.5%	349	596	3.6%	69	1.2%	665
Other Tankers	90	1.1%	75	1.2%	165	150	0.9%	87	1.5%	237
Passenger Ships	290	3.5%	428	6.9%	718	804	4.8%	983	17.3%	1,787
Offshore Vessels	813	9.7%	208	3.3%	1,021	2,947	17.7%	344	6.1%	3,291
Service Ships	232	2.8%	297	4.8%	529	969	5.8%	721	12.7%	1,690
Tugs	100	1.2%	53	0.9%	153	537	3.2%	182	3.2%	719
<b>Total</b>	<b>8,356</b>	<b>100%</b>	<b>6,219</b>	<b>100%</b>	<b>14,575</b>	<b>16,679</b>	<b>100%</b>	<b>5,673</b>	<b>100%</b>	<b>22,352</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Table 64 - Gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships by type, class and flag**

Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships	15,598	23.1%	8,191	48.6%	23,788	24,060	20.7%	4,781	30.2%	28,841
Specialized Cargo Ships	435	0.6%	148	0.9%	583	858	0.7%	32	0.2%	890
Container Ships	7,320	10.8%	646	3.8%	7,966	20,028	17.3%	472	3.0%	20,500
Ro-Ro Cargo Ships	2,239	3.3%	470	2.8%	2,709	4,441	3.8%	272	1.7%	4,712
Bulk Carriers	23,170	34.3%	3,157	18.7%	26,327	22,304	19.2%	3,864	24.4%	26,168
Oil and Chemical Tankers	12,252	18.1%	2,083	12.4%	14,335	22,776	19.6%	1,787	11.3%	24,562
Gas Tankers	1,492	2.2%	170	1.0%	1,662	3,894	3.4%	97	0.6%	3,991
Other Tankers	227	0.3%	92	0.5%	319	468	0.4%	99	0.6%	566
Passenger Ships	2,278	3.4%	1,141	6.8%	3,419	5,132	4.4%	2,507	15.8%	7,639
Offshore Vessels	1,659	2.5%	258	1.5%	1,917	7,287	6.3%	348	2.2%	7,635
Service Ships	856	1.3%	447	2.7%	1,304	4,142	3.6%	1,434	9.1%	5,577
Tugs	89	0.1%	52	0.3%	142	575	0.5%	155	1.0%	730
<b>Total</b>	<b>67,615</b>	<b>100%</b>	<b>16,855</b>	<b>100%</b>	<b>84,470</b>	<b>115,965</b>	<b>100%</b>	<b>15,846</b>	<b>100%</b>	<b>131,811</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - IACS membership on 31/12/2011

**Graph 63 - Total number of medium ships, by class and flag****Graph 64 - Gross tonnage of medium ships, by class and flag**

## LARGE SHIPS

**Table 65 - Total number of large<sup>(1)</sup> ships by type, class and flag**

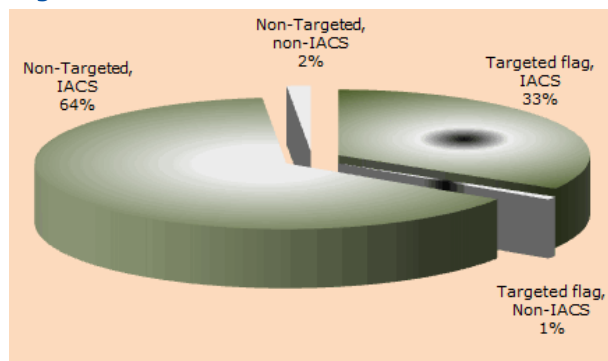
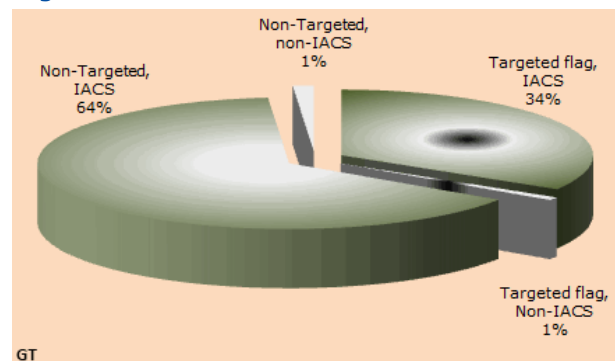
Ship Type	Targeted flag			Non Targeted flag		
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total
General Cargo Ships	30	0.9%		166	2.7%	167
Specialized Cargo Ships	24	0.8%	1	22	0.4%	23
Container Ships	371	11.6%	1	1,304	21.3%	1,307
Ro-Ro Cargo Ships	282	8.8%	1	302	4.9%	304
Bulk Carriers	1,747	54.7%	49	2,294	37.4%	2,419
Oil and Chemical Tankers	567	17.8%	15	1,666	27.2%	1,673
Gas Tankers	58	1.8%	1	127	2.1%	128
Other Tankers				5	0.1%	5
Passenger Ships	93	2.9%	2	173	2.8%	174
Offshore Vessels	15	0.5%	3	54	0.9%	57
Service Ships	6	0.2%		15	0.2%	17
Tugs						
<b>Total</b>	<b>3,193</b>	<b>100%</b>	<b>73</b>	<b>6,128</b>	<b>100%</b>	<b>6,274</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Table 66 - Gross tonnage (in 1000 t) of large<sup>(1)</sup> 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	898	0.7%		5,173	2.2%	5,206
Specialized Cargo Ships	905	0.7%	30	794	0.3%	832
Container Ships	15,106	12.5%	36	49,753	21.6%	49,844
Ro-Ro Cargo Ships	13,195	10.9%	59	13,927	6.0%	13,983
Bulk Carriers	63,266	52.4%	1,708	82,493	35.7%	86,538
Oil and Chemical Tankers	20,647	17.1%	622	63,769	27.6%	64,052
Gas Tankers	2,521	2.1%	48	5,569	2.4%	5,614
Other Tankers				162	0.1%	162
Passenger Ships	3,326	2.8%	64	6,144	2.7%	6,169
Offshore Vessels	682	0.6%	142	2,398	1.0%	2,539
Service Ships	211	0.2%		575	0.2%	658
Tugs						
<b>Total</b>	<b>120,758</b>	<b>100%</b>	<b>2,710</b>	<b>230,757</b>	<b>100%</b>	<b>235,599</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - IACS membership on 31/12/2011

**Graph 65 - Total number of large ships, by class and flag****Graph 66 - Gross tonnage of large ships, by class and flag**



## VERY LARGE SHIPS

**Table 67 - Total number of very large<sup>(1)</sup> ships by type, class and flag**

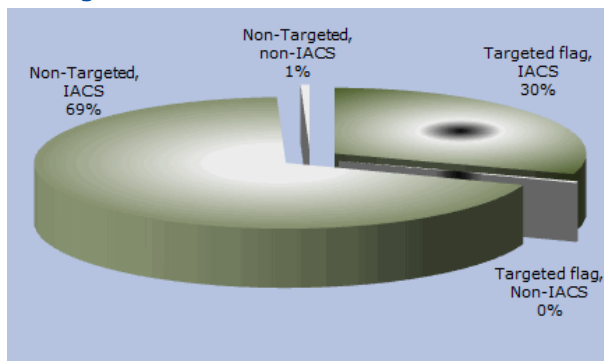
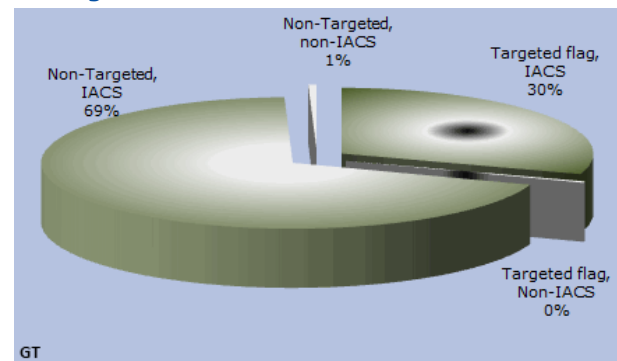
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	245	18.8%	245	621	20.8%	623				
Ro-Ro Cargo Ships	59	4.5%	59	82	2.8%	85				
Bulk Carriers	578	44.5%	15	93.8%	593	770	25.8%	10	40.0%	780
Oil and Chemical Tankers	298	22.9%			298	1,049	35.2%	1	4.0%	1,050
Gas Tankers	43	3.3%			43	286	9.6%			286
Other Tankers										
Passenger Ships	51	3.9%			51	84	2.8%			84
Offshore Vessels	25	1.9%	1	6.3%	26	87	2.9%	7	28.0%	94
Service Ships	1	0.1%			1	1	0.0%	2	8.0%	3
Tugs										
<b>Total</b>	<b>1,300</b>	<b>100%</b>	<b>16</b>	<b>100%</b>	<b>1,316</b>	<b>2,980</b>	<b>100%</b>	<b>25</b>	<b>100%</b>	<b>3,005</b>

Source: Equasis - <sup>(1)</sup> GT≥60,000 - IACS membership on 31/12/2011

**Table 68 - Gross tonnage (in 1000 t) of very large<sup>(1)</sup> 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										
Container Ships	21,549	16.8%								
Ro-Ro Cargo Ships	3,785	3.0%								
Bulk Carriers	54,456	42.6%	1,356	92.9%	55,813	73,270	25.0%	880	38.6%	74,151
Oil and Chemical Tankers	35,963	28.1%			35,963	112,081	38.2%	160	7.0%	112,241
Gas Tankers	4,487	3.5%			4,487	30,979	10.6%			30,979
Other Tankers										
Passenger Ships	4,850	3.8%			4,850	8,029	2.7%			8,029
Offshore Vessels	2,738	2.1%	103	7.1%	2,841	9,077	3.1%	760	33.3%	9,837
Service Ships	71	0.1%			71	64	0.0%	131	5.8%	196
Tugs										
<b>Total</b>	<b>127,898</b>	<b>100%</b>	<b>1,459</b>	<b>100%</b>	<b>129,358</b>	<b>293,543</b>	<b>100%</b>	<b>2,282</b>	<b>100%</b>	<b>295,826</b>

Source: Equasis - <sup>(1)</sup> GT≥60,000 - IACS membership on 31/12/2011

**Graph 67 - Total number of very large ships, by class and flag****Graph 68 - Gross tonnage of very large ships, by class and flag**

## 3.4. SAFETY PERFORMANCE

## WORLD FLEET GT≥500

Table 69 - World fleet GT≥500 detention rates<sup>(\*)</sup>, by type and class

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.96%	11.92%	6.22%
Specialized Cargo Ships	5.22%	9.43%	5.92%
Container Ships	2.26%	6.78%	2.30%
Ro-Ro Cargo Ships	2.08%	9.76%	2.49%
Bulk Carriers	3.49%	9.22%	3.79%
Oil and Chemical Tankers	1.57%	8.46%	1.71%
Gas Tankers	1.80%	20.93%	2.37%
Other Tankers	2.20%	23.68%	5.28%
Passenger Ships	1.38%	7.69%	1.65%
Offshore Vessels	3.55%	20.51%	4.29%
Service Ships	2.22%	9.16%	3.91%
Tugs	2.46%	16.67%	3.73%
<b>Total</b>	<b>2.92%</b>	<b>11.42%</b>	<b>3.86%</b>

Source: Equasis - IACS membership on 31/12/2011 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

## MEDIUM SHIPS

Table 70 - Medium<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and class

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	4.02%	11.91%	6.33%
Specialized Cargo Ships	4.52%	9.43%	5.65%
Container Ships	2.72%	7.84%	2.80%
Ro-Ro Cargo Ships	4.50%	10.17%	5.41%
Bulk Carriers	4.00%	9.48%	4.69%
Oil and Chemical Tankers	2.09%	8.85%	2.35%
Gas Tankers	2.67%	20.93%	3.54%
Other Tankers	2.27%	23.68%	5.43%
Passenger Ships	1.94%	7.81%	2.50%
Offshore Vessels	3.68%	21.05%	4.45%
Service Ships	2.28%	9.16%	3.99%
Tugs	2.46%	16.67%	3.73%
<b>Total</b>	<b>3.46%</b>	<b>11.52%</b>	<b>4.92%</b>

Source: Equasis - IACS membership on 31/12/2011 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

## LARGE SHIPS

**Table 71 - Large<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and class**

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	2.43%	25.00%	2.62%
Specialized Cargo Ships	6.59%		6.59%
Container Ships	2.69%	0.00%	2.68%
Ro-Ro Cargo Ships	1.38%	0.00%	1.38%
Bulk Carriers	3.32%	8.33%	3.38%
Oil and Chemical Tankers	1.42%	0.00%	1.41%
Gas Tankers	0.98%		0.98%
Other Tankers	0.00%		0.00%
Passenger Ships	1.00%	0.00%	1.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%		0.00%
Tugs			
<b>Total</b>	<b>2.62%</b>	<b>7.63%</b>	<b>2.66%</b>

Source: Equasis - IACS membership on 31/12/2011 - (\*) Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

## VERY LARGE SHIPS

**Table 72 - Very large<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and class**

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships			
Container Ships	0.75%	0.00%	0.74%
Ro-Ro Cargo Ships	0.28%	0.00%	0.28%
Bulk Carriers	2.76%	0.00%	2.75%
Oil and Chemical Tankers	0.33%		0.33%
Gas Tankers	0.00%		0.00%
Other Tankers			
Passenger Ships	0.88%		0.88%
Offshore Vessels	0.00%		0.00%
Service Ships	0.00%		0.00%
Tugs			
<b>Total</b>	<b>1.27%</b>	<b>0.00%</b>	<b>1.27%</b>

Source: Equasis - IACS membership on 31/12/2011 - (\*) Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

## Chapter 4

# 4. P&I

### INTRODUCTION

Protection and Indemnity (P&I) Clubs provide third-party insurance cover to ship owners. Members of the International Group of P&I Clubs (IGP&I) provide Equasis with information on all vessels entered in their clubs which are issued with IMO numbers.

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

- *American Steamship Owners Mutual Protection and Indemnity Association, Inc*
- *Assuranceforeningen Skuld*
- *Gard P&I (Bermuda) Ltd.*<sup>1</sup>
- *The Britannia Steam Ship Insurance Association Limited*
- *The Japan Ship Owners' Mutual Protection & Indemnity Association*
- *The London Steam-Ship Owners' Mutual Insurance Association Limited*
- *The North of England Protecting & Indemnity Association Limited*
- *The Shipowners' Mutual Protection & Indemnity Association (Luxembourg)*
- *The Standard Steamship Owners' Protection & Indemnity Association (Bermuda) Limited*<sup>2</sup>

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

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

The following tables show the proportion of the fleet, in each ship size category 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:

- entered with a club which is not a member of the IGP&I ;
- covered by commercial insurance for which information is unavailable ;
- not covered by P&I insurance.

In chapter 4.4 the fleet is analysed according to P&I and flag status. Flags 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) and USCG regions.

### RESULTS

Graph 69 indicates that for vessels over 500GT in Equasis, for which data has been supplied, 60% are covered by one of the

<sup>1</sup> Gard (Bermuda) Ltd only became a principal Association with effect from the 2010 policy year. Previously, the principal Association was Assuranceforeningen Gard.

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

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

Graphs 71 to 76 show that 96% of the large and 98% of the very large ship categories are covered by the members of the IGP&I. Within the medium ship size category just under a half (47%) are covered by the members of the IGP&I by number, which equates to about 71% in tonnage.

Comparing Graph 77 with 85 reveals that the age profile of ships covered by the members of the IGP&I is considerably younger than those which are not. A third (36%) of the IGP&I fleet is under 5 years old and less than one eighth (12%) is over 25 years old. Of the younger fleet, more than half are either chemical tankers or bulk carriers (Table 81). This trend is more marked in the large and very large ship categories. For non-IGP&I members the trend is reversed, as only 13% of the fleet under 5 years old and 55% is over 25 years old, with nearly a half of the older fleet being general cargo ships (Table 89).

The safety performance of vessels over 500gt that are included in Equasis, as measured by detention rates, shows that 3.86% of inspections resulted in detention in 2011. Table 105 shows that ships outside the Group had a higher detention rate in 2011 than those with inside the Group (8.38% compared with 2.63%).

The number of inspection on ships in the very large ship size category and covered by non-IGP&I members is too small to be statistically significant and the 0% detention rate for this category is meaningless, as it is based on only 60 inspections on 92 ships.

## 4.1. P&amp;I STATUS

## WORLD FLEET GT≥500

Table 73 - P&amp;I world fleet GT≥500 status : total number of ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	4,177	13.6%	8,230	40.9%	12,407	24.4%
Specialized Cargo Ships	140	0.5%	96	0.5%	236	0.5%
Container Ships	4,387	14.3%	571	2.8%	4,958	9.8%
Ro-Ro Cargo Ships	1,116	3.6%	389	1.9%	1,505	3.0%
Bulk Carriers	7,643	24.9%	1,592	7.9%	9,235	18.2%
Oil and Chemical Tankers	7,125	23.2%	2,851	14.2%	9,976	19.6%
Gas Tankers	1,165	3.8%	365	1.8%	1,530	3.0%
Other Tankers	144	0.5%	263	1.3%	407	0.8%
Passenger Ships	1,305	4.3%	1,604	8.0%	2,909	5.7%
Offshore Vessels	2,519	8.2%	1,988	9.9%	4,507	8.9%
Service Ships	581	1.9%	1,665	8.3%	2,246	4.4%
Tugs	347	1.1%	525	2.6%	872	1.7%
<b>Total</b>	<b>30,649</b>	<b>100%</b>	<b>20,139</b>	<b>100%</b>	<b>50,788</b>	<b>100%</b>

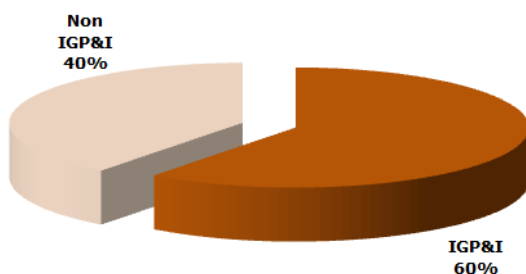
Source: Equasis

Table 74 - P&amp;I world fleet GT≥500 status : gross tonnage (in 1000 t) of ships, by type

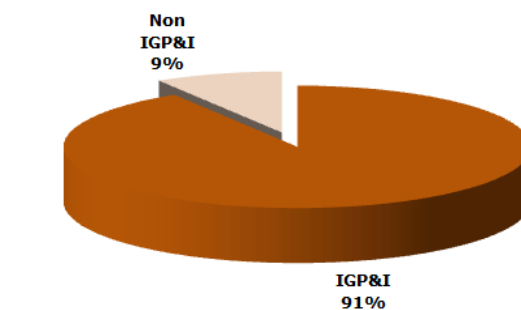
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	34,885	3.8%	23,848	27.0%	58,734	5.9%
Specialized Cargo Ships	2,747	0.3%	493	0.6%	3,240	0.3%
Container Ships	164,648	18.1%	5,232	5.9%	169,880	17.0%
Ro-Ro Cargo Ships	41,459	4.5%	2,497	2.8%	43,957	4.4%
Bulk Carriers	310,170	34.0%	23,801	26.9%	333,970	33.4%
Oil and Chemical Tankers	256,881	28.2%	15,543	17.6%	272,424	27.2%
Gas Tankers	48,574	5.3%	729	0.8%	49,303	4.9%
Other Tankers	708	0.1%	339	0.4%	1,047	0.1%
Passenger Ships	28,006	3.1%	5,492	6.2%	33,498	3.3%
Offshore Vessels	19,930	2.2%	5,663	6.4%	25,593	2.6%
Service Ships	3,732	0.4%	4,283	4.8%	8,015	0.8%
Tugs	388	0.0%	484	0.5%	872	0.1%
<b>Total</b>	<b>912,128</b>	<b>100%</b>	<b>88,404</b>	<b>100%</b>	<b>1,000,532</b>	<b>100%</b>

Source: Equasis

Graph 69 - Number of ships GT≥500, by P&amp;I status



Graph 70 - Gross tonnage of ships GT≥500, by P&amp;I status



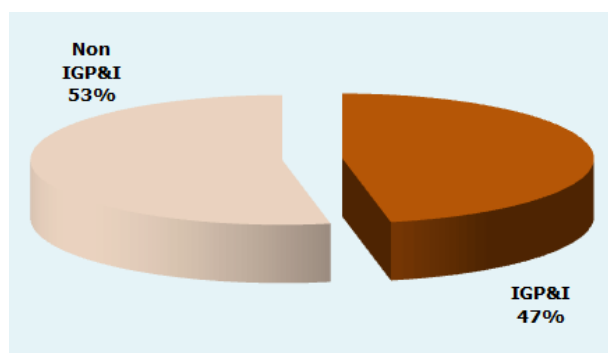
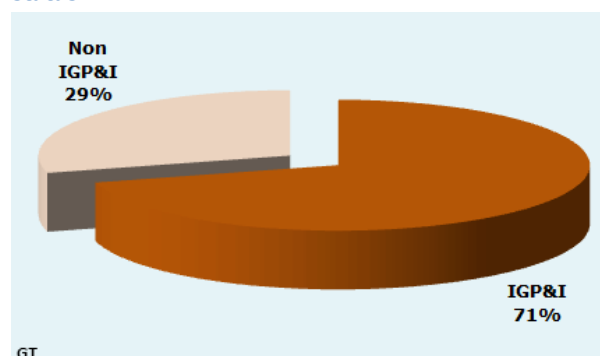
## MEDIUM SHIPS

**Table 75 - P&I status : total number of medium<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	3,981	23.0%	8,229	42.0%	12,210	33.1%
Specialized Cargo Ships	93	0.5%	95	0.5%	188	0.5%
Container Ships	1,869	10.8%	542	2.8%	2,411	6.5%
Ro-Ro Cargo Ships	392	2.3%	382	1.9%	774	2.1%
Bulk Carriers	2,396	13.8%	1,251	6.4%	3,647	9.9%
Oil and Chemical Tankers	3,617	20.9%	2,756	14.1%	6,373	17.3%
Gas Tankers	651	3.8%	363	1.9%	1,014	2.7%
Other Tankers	139	0.8%	263	1.3%	402	1.1%
Passenger Ships	910	5.3%	1,595	8.1%	2,505	6.8%
Offshore Vessels	2,369	13.7%	1,943	9.9%	4,312	11.7%
Service Ships	562	3.2%	1,657	8.5%	2,219	6.0%
Tugs	347	2.0%	525	2.7%	872	2.4%
<b>Total</b>	<b>17,326</b>	<b>100%</b>	<b>19,601</b>	<b>100%</b>	<b>36,927</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Table 76 - P&I status : gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	28,810	18.8%	23,819	37.6%	52,629	24.3%
Specialized Cargo Ships	1,018	0.7%	455	0.7%	1,473	0.7%
Container Ships	24,671	16.1%	3,795	6.0%	28,466	13.2%
Ro-Ro Cargo Ships	5,147	3.4%	2,274	3.6%	7,421	3.4%
Bulk Carriers	40,583	26.5%	11,912	18.8%	52,495	24.3%
Oil and Chemical Tankers	31,556	20.6%	7,342	11.6%	38,898	18.0%
Gas Tankers	5,014	3.3%	640	1.0%	5,653	2.6%
Other Tankers	546	0.4%	339	0.5%	885	0.4%
Passenger Ships	5,845	3.8%	5,212	8.2%	11,058	5.1%
Offshore Vessels	6,427	4.2%	3,125	4.9%	9,552	4.4%
Service Ships	2,932	1.9%	3,949	6.2%	6,880	3.2%
Tugs	388	0.3%	484	0.8%	872	0.4%
<b>Total</b>	<b>152,936</b>	<b>100%</b>	<b>63,345</b>	<b>100%</b>	<b>216,282</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Graph 71 - Number of medium ships, by P&I status****Graph 72 - Gross tonnage of medium ships, by P&I status**

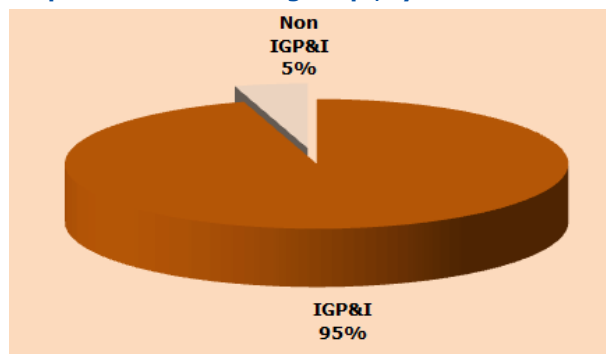
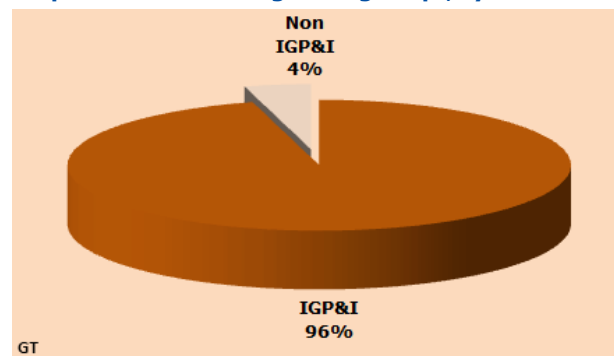
## LARGE SHIPS

**Table 77 - P&I status : total number of large<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	196	2.2%	1	0.2%	197	2.1%
Specialized Cargo Ships	47	0.5%	1	0.2%	48	0.5%
Container Ships	1,659	18.2%	20	4.5%	1,679	17.6%
Ro-Ro Cargo Ships	580	6.4%	7	1.6%	587	6.2%
Bulk Carriers	3,884	42.7%	331	74.2%	4,215	44.2%
Oil and Chemical Tankers	2,208	24.3%	47	10.5%	2,255	23.6%
Gas Tankers	185	2.0%	2	0.4%	187	2.0%
Other Tankers	5	0.1%			5	0.1%
Passenger Ships	260	2.9%	9	2.0%	269	2.8%
Offshore Vessels	53	0.6%	22	4.9%	75	0.8%
Service Ships	17	0.2%	6	1.3%	23	0.2%
Tugs						
<b>Total</b>	<b>9,094</b>	<b>100%</b>	<b>446</b>	<b>100%</b>	<b>9,540</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Table 78 - P&I status : gross tonnage (in 1000 t) of large<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	6,075	1.8%	29	0.2%	6,105	1.7%
Specialized Cargo Ships	1,729	0.5%	39	0.3%	1,767	0.5%
Container Ships	64,248	18.7%	739	4.8%	64,987	18.1%
Ro-Ro Cargo Ships	27,014	7.9%	223	1.5%	27,237	7.6%
Bulk Carriers	140,450	40.9%	11,062	72.3%	151,512	42.2%
Oil and Chemical Tankers	83,565	24.3%	1,757	11.5%	85,322	23.8%
Gas Tankers	8,094	2.4%	89	0.6%	8,184	2.3%
Other Tankers	162	0.0%			162	0.0%
Passenger Ships	9,281	2.7%	279	1.8%	9,560	2.7%
Offshore Vessels	2,481	0.7%	882	5.8%	3,363	0.9%
Service Ships	658	0.2%	210	1.4%	868	0.2%
Tugs						
<b>Total</b>	<b>343,758</b>	<b>100%</b>	<b>15,310</b>	<b>100%</b>	<b>359,067</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Graph 73 - Number of large ships, by P&I status****Graph 74 - Gross tonnage of large ships, by P&I status**



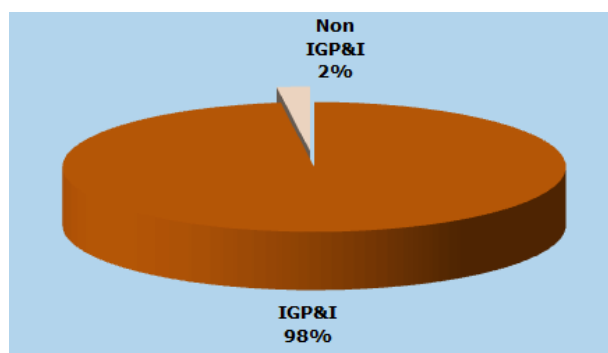
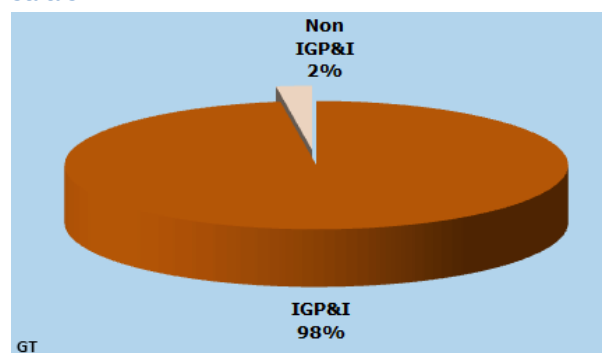
## VERY LARGE SHIPS

**Table 79 - P&I status : total number of very large<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	859	20.3%	9	9.8%	868	20.1%
Ro-Ro Cargo Ships	144	3.4%			144	3.3%
Bulk Carriers	1,363	32.2%	10	10.9%	1,373	31.8%
Oil and Chemical Tankers	1,300	30.7%	48	52.2%	1,348	31.2%
Gas Tankers	329	7.8%			329	7.6%
Other Tankers						
Passenger Ships	135	3.2%			135	3.1%
Offshore Vessels	97	2.3%	23	25.0%	120	2.8%
Service Ships	2	0.0%	2	2.2%	4	0.1%
Tugs						
<b>Total</b>	<b>4,229</b>	<b>100%</b>	<b>92</b>	<b>100%</b>	<b>4,321</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Table 80 - P&I status : gross tonnage (in 1000 t) of very large<sup>(1)</sup> ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	75,730	18.2%	698	7.2%	76,428	18.0%
Ro-Ro Cargo Ships	9,298	2.2%			9,298	2.2%
Bulk Carriers	129,136	31.1%	827	8.5%	129,963	30.6%
Oil and Chemical Tankers	141,761	34.1%	6,443	66.1%	148,204	34.9%
Gas Tankers	35,466	8.5%			35,466	8.3%
Other Tankers						
Passenger Ships	12,880	3.1%			12,880	3.0%
Offshore Vessels	11,022	2.7%	1,656	17.0%	12,678	3.0%
Service Ships	142	0.0%	124	1.3%	266	0.1%
Tugs						
<b>Total</b>	<b>415,435</b>	<b>100%</b>	<b>9,749</b>	<b>100%</b>	<b>425,183</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Graph 75 - Number of very large ships, by P&I status****Graph 76 - Gross tonnage of very large ships, by P&I status**

## 4.2. IGP&amp;I AND AGE

## WORLD FLEET GT≥500

Table 81 - IGP&amp;I world fleet GT≥500 : total number of ships, by type and age

Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,170	10.7%	1,334	12.6%	1,024	19.4%	649	16.9%	4,177	13.6%
Specialized Cargo Ships	34	0.3%	21	0.2%	30	0.6%	55	1.4%	140	0.5%
Container Ships	1,453	13.3%	1,964	18.6%	791	15.0%	179	4.7%	4,387	14.3%
Ro-Ro Cargo Ships	360	3.3%	381	3.6%	201	3.8%	174	4.5%	1,116	3.6%
Bulk Carriers	3,155	28.8%	2,309	21.8%	1,260	23.9%	919	24.0%	7,643	24.9%
Oil and Chemical Tankers	2,896	26.4%	2,830	26.7%	1,064	20.2%	335	8.7%	7,125	23.2%
Gas Tankers	432	3.9%	356	3.4%	263	5.0%	114	3.0%	1,165	3.8%
Other Tankers	66	0.6%	26	0.2%	22	0.4%	30	0.8%	144	0.5%
Passenger Ships	170	1.6%	403	3.8%	330	6.3%	402	10.5%	1,305	4.3%
Offshore Vessels	1,030	9.4%	734	6.9%	132	2.5%	623	16.3%	2,519	8.2%
Service Ships	99	0.9%	127	1.2%	122	2.3%	233	6.1%	581	1.9%
Tugs	95	0.9%	102	1.0%	33	0.6%	117	3.1%	347	1.1%
<b>Total</b>	<b>10,960</b>	<b>100%</b>	<b>10,587</b>	<b>100%</b>	<b>5,272</b>	<b>100%</b>	<b>3,830</b>	<b>100%</b>	<b>30,649</b>	<b>100%</b>

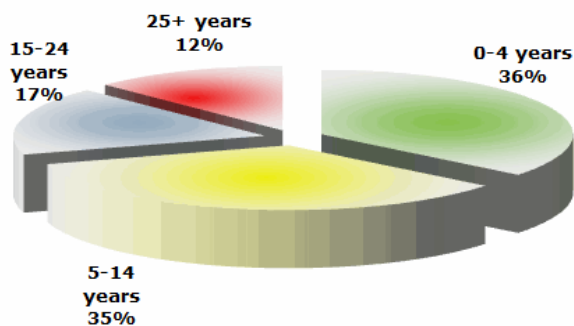
Source: Equasis

Table 82 - P&amp;I whole fleet GT≥500: gross tonnage (in 1000 t) of ships, by type and age

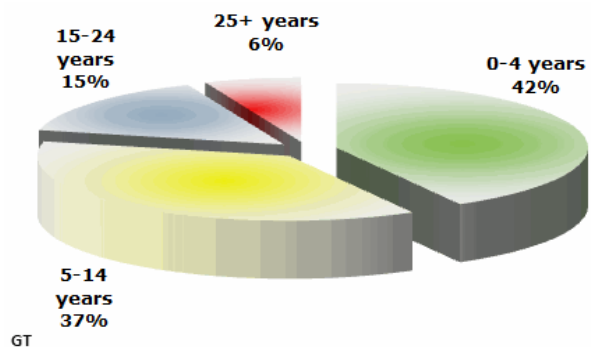
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	10,917	2.9%	10,868	3.2%	7,458	5.4%	5,642	9.9%	34,885	3.8%
Specialized Cargo Ships	498	0.1%	302	0.1%	708	0.5%	1,239	2.2%	2,747	0.3%
Container Ships	68,903	18.0%	71,073	21.2%	20,336	14.7%	4,336	7.6%	164,648	18.1%
Ro-Ro Cargo Ships	17,229	4.5%	14,752	4.4%	5,399	3.9%	4,080	7.2%	41,459	4.5%
Bulk Carriers	140,394	36.8%	89,251	26.6%	57,352	41.5%	23,173	40.6%	310,170	34.0%
Oil and Chemical Tankers	107,611	28.2%	116,453	34.7%	29,482	21.4%	3,335	5.8%	256,881	28.2%
Gas Tankers	23,235	6.1%	15,610	4.7%	5,927	4.3%	3,802	6.7%	48,574	5.3%
Other Tankers	336	0.1%	175	0.1%	109	0.1%	88	0.2%	708	0.1%
Passenger Ships	6,542	1.7%	11,871	3.5%	6,173	4.5%	3,420	6.0%	28,006	3.1%
Offshore Vessels	5,205	1.4%	3,711	1.1%	4,489	3.3%	6,526	11.4%	19,930	2.2%
Service Ships	883	0.2%	1,015	0.3%	575	0.4%	1,260	2.2%	3,732	0.4%
Tugs	115	0.0%	117	0.0%	33	0.0%	122	0.2%	388	0.0%
<b>Total</b>	<b>381,867</b>	<b>100%</b>	<b>335,196</b>	<b>100%</b>	<b>138,040</b>	<b>100%</b>	<b>57,025</b>	<b>100%</b>	<b>912,128</b>	<b>100%</b>

Source: Equasis

Graph 77 - IGP&amp;I world fleet GT≥500, by age



Graph 78 - Gross tonnage of IGP&amp;I world fleet GT≥500, by age



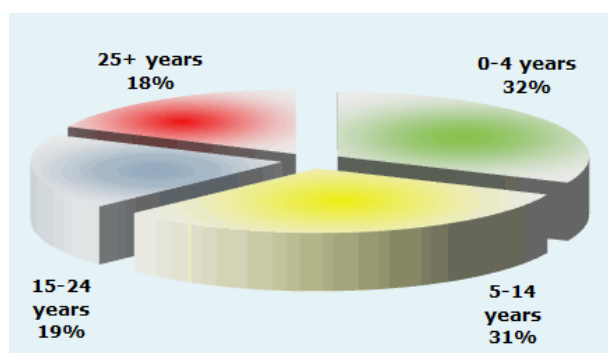
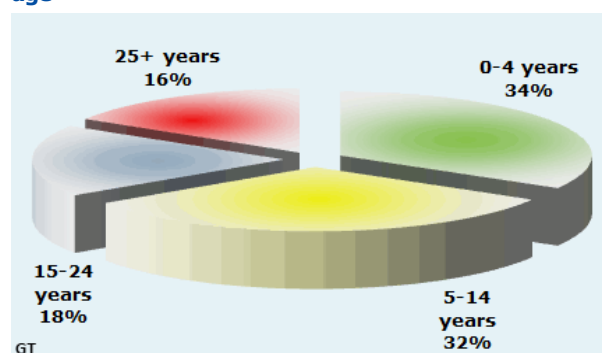
## MEDIUM SHIPS

**Table 83 - IGP&I : total number of medium<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,131	20.6%	1,273	23.5%	989	30.0%	588	18.8%	3,981	23.0%
Specialized Cargo Ships	31	0.6%	18	0.3%	14	0.4%	30	1.0%	93	0.5%
Container Ships	495	9.0%	808	14.9%	473	14.4%	93	3.0%	1,869	10.8%
Ro-Ro Cargo Ships	39	0.7%	133	2.5%	111	3.4%	109	3.5%	392	2.3%
Bulk Carriers	862	15.7%	558	10.3%	338	10.3%	638	20.4%	2,396	13.8%
Oil and Chemical Tankers	1,388	25.3%	1,253	23.1%	678	20.6%	298	9.5%	3,617	20.9%
Gas Tankers	206	3.8%	183	3.4%	194	5.9%	68	2.2%	651	3.8%
Other Tankers	64	1.2%	24	0.4%	21	0.6%	30	1.0%	139	0.8%
Passenger Ships	85	1.5%	228	4.2%	229	7.0%	368	11.8%	910	5.3%
Offshore Vessels	999	18.2%	713	13.2%	91	2.8%	566	18.1%	2,369	13.7%
Service Ships	91	1.7%	124	2.3%	122	3.7%	225	7.2%	562	3.2%
Tugs	95	1.7%	102	1.9%	33	1.0%	117	3.7%	347	2.0%
<b>Total</b>	<b>5,486</b>	<b>100%</b>	<b>5,417</b>	<b>100%</b>	<b>3,293</b>	<b>100%</b>	<b>3,130</b>	<b>100%</b>	<b>17,326</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Table 84 - IGP&I : gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	9,549	18.7%	8,946	18.2%	6,373	22.9%	3,941	15.9%	28,810	18.8%
Specialized Cargo Ships	384	0.8%	183	0.4%	79	0.3%	372	1.5%	1,018	0.7%
Container Ships	6,823	13.3%	10,542	21.5%	6,067	21.8%	1,239	5.0%	24,671	16.1%
Ro-Ro Cargo Ships	643	1.3%	1,967	4.0%	1,241	4.5%	1,297	5.2%	5,147	3.4%
Bulk Carriers	14,928	29.2%	9,268	18.9%	5,322	19.1%	11,066	44.6%	40,583	26.5%
Oil and Chemical Tankers	12,309	24.1%	12,408	25.2%	4,897	17.6%	1,941	7.8%	31,556	20.6%
Gas Tankers	1,995	3.9%	1,393	2.8%	1,221	4.4%	405	1.6%	5,014	3.3%
Other Tankers	269	0.5%	109	0.2%	80	0.3%	88	0.4%	546	0.4%
Passenger Ships	432	0.8%	1,457	3.0%	1,691	6.1%	2,265	9.1%	5,845	3.8%
Offshore Vessels	3,148	6.2%	1,859	3.8%	251	0.9%	1,168	4.7%	6,427	4.2%
Service Ships	579	1.1%	894	1.8%	575	2.1%	883	3.6%	2,932	1.9%
Tugs	115	0.2%	117	0.2%	33	0.1%	122	0.5%	388	0.3%
<b>Total</b>	<b>51,174</b>	<b>100%</b>	<b>49,142</b>	<b>100%</b>	<b>27,832</b>	<b>100%</b>	<b>24,789</b>	<b>100%</b>	<b>152,936</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Graph 79 - IGP&I medium ships, by age****Graph 80 - Gross tonnage of IGP&I medium ships, by age**

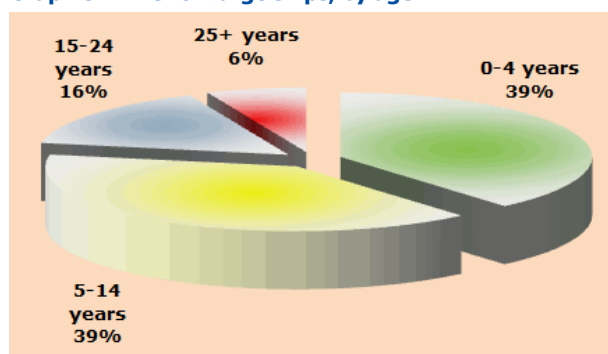
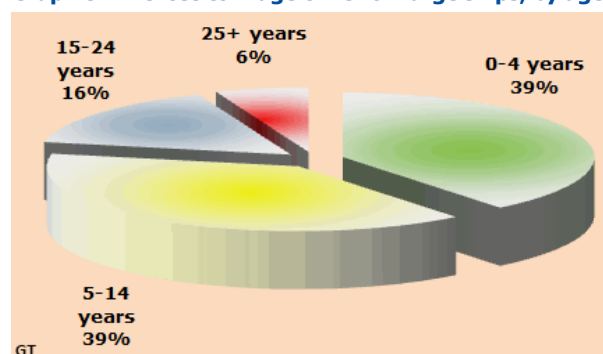
## LARGE SHIPS

**Table 85 - IGP&I : total number of large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	39	1.1%	61	1.7%	35	2.5%	61	10.4%	196	2.2%
Specialized Cargo Ships	3	0.1%	3	0.1%	16	1.1%	25	4.3%	47	0.5%
Container Ships	558	15.8%	735	20.6%	280	19.7%	86	14.7%	1,659	18.2%
Ro-Ro Cargo Ships	236	6.7%	194	5.4%	88	6.2%	62	10.6%	580	6.4%
Bulk Carriers	1,631	46.3%	1,409	39.5%	602	42.3%	242	41.4%	3,884	42.7%
Oil and Chemical Tankers	913	25.9%	991	27.8%	269	18.9%	35	6.0%	2,208	24.3%
Gas Tankers	72	2.0%	58	1.6%	39	2.7%	16	2.7%	185	2.0%
Other Tankers	2	0.1%	2	0.1%	1	0.1%			5	0.1%
Passenger Ships	43	1.2%	103	2.9%	80	5.6%	34	5.8%	260	2.9%
Offshore Vessels	16	0.5%	8	0.2%	12	0.8%	17	2.9%	53	0.6%
Service Ships	8	0.2%	3	0.1%			6	1.0%	17	0.2%
Tugs										
<b>Total</b>	<b>3,521</b>	<b>100%</b>	<b>3,567</b>	<b>100%</b>	<b>1,422</b>	<b>100%</b>	<b>584</b>	<b>100%</b>	<b>9,094</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Table 86 - IGP&I : gross tonnage (in 1000 t) of large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,368	1.0%	1,922	1.4%	1,084	2.0%	1,701	8.2%	6,075	1.8%
Specialized Cargo Ships	113	0.1%	120	0.1%	629	1.2%	867	4.2%	1,729	0.5%
Container Ships	21,986	16.3%	27,406	20.5%	11,759	21.6%	3,097	15.0%	64,248	18.7%
Ro-Ro Cargo Ships	11,088	8.2%	9,324	7.0%	4,019	7.4%	2,583	12.5%	27,014	7.9%
Bulk Carriers	61,655	45.7%	49,543	37.1%	20,897	38.3%	8,355	40.5%	140,450	40.9%
Oil and Chemical Tankers	32,806	24.3%	38,554	28.9%	10,940	20.1%	1,265	6.1%	83,565	24.3%
Gas Tankers	3,285	2.4%	2,466	1.8%	1,656	3.0%	688	3.3%	8,094	2.4%
Other Tankers	68	0.1%	66	0.0%	29	0.1%			162	0.0%
Passenger Ships	1,490	1.1%	3,688	2.8%	2,948	5.4%	1,155	5.6%	9,281	2.7%
Offshore Vessels	818	0.6%	399	0.3%	591	1.1%	673	3.3%	2,481	0.7%
Service Ships	304	0.2%	120	0.1%			234	1.1%	658	0.2%
Tugs										
<b>Total</b>	<b>134,981</b>	<b>100%</b>	<b>133,607</b>	<b>100%</b>	<b>54,550</b>	<b>100%</b>	<b>20,620</b>	<b>100%</b>	<b>343,758</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Graph 81 - IGP&I large ships, by age****Graph 82 - Gross tonnage of IGP&I large ships, by age**

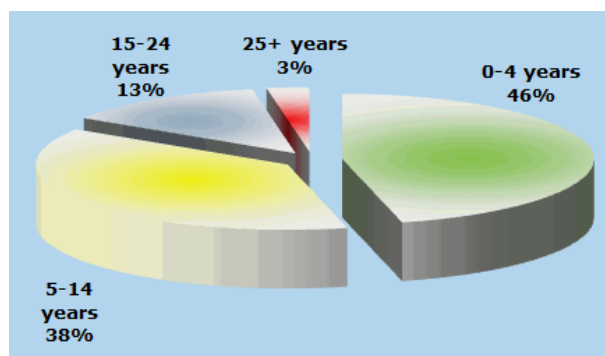
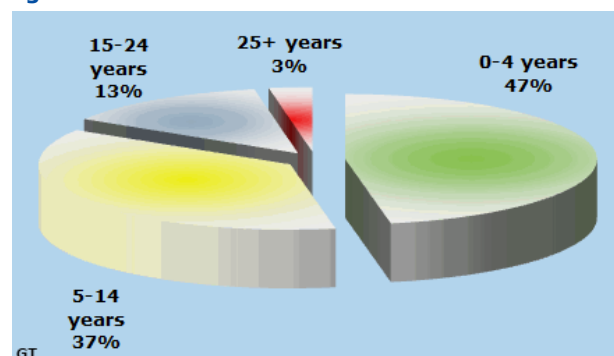
## VERY LARGE SHIPS

**Table 87 - IGP&I : total number of very large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	400	20.5%	421	26.3%	38	6.8%			859	20.3%
Ro-Ro Cargo Ships	85	4.4%	54	3.4%	2	0.4%	3	2.6%	144	3.4%
Bulk Carriers	662	33.9%	342	21.3%	320	57.5%	39	33.6%	1,363	32.2%
Oil and Chemical Tankers	595	30.5%	586	36.6%	117	21.0%	2	1.7%	1,300	30.7%
Gas Tankers	154	7.9%	115	7.2%	30	5.4%	30	25.9%	329	7.8%
Other Tankers										
Passenger Ships	42	2.2%	72	4.5%	21	3.8%			135	3.2%
Offshore Vessels	15	0.8%	13	0.8%	29	5.2%	40	34.5%	97	2.3%
Service Ships							2	1.7%	2	0.0%
Tugs										
<b>Total</b>	<b>1,953</b>	<b>100%</b>	<b>1,603</b>	<b>100%</b>	<b>557</b>	<b>100%</b>	<b>116</b>	<b>100%</b>	<b>4,229</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Table 88 - IGP&I : gross tonnage (in 1000 t) of very large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	40,094	20.5%	33,125	21.7%	2,510	4.5%			75,730	18.2%
Ro-Ro Cargo Ships	5,497	2.8%	3,461	2.3%	140	0.3%	200	1.7%	9,298	2.2%
Bulk Carriers	63,811	32.6%	30,440	20.0%	31,133	55.9%	3,752	32.3%	129,136	31.1%
Oil and Chemical Tankers	62,496	31.9%	65,491	43.0%	13,645	24.5%	129	1.1%	141,761	34.1%
Gas Tankers	17,955	9.2%	11,751	7.7%	3,050	5.5%	2,709	23.3%	35,466	8.5%
Other Tankers										
Passenger Ships	4,621	2.4%	6,725	4.4%	1,534	2.8%			12,880	3.1%
Offshore Vessels	1,238	0.6%	1,453	1.0%	3,647	6.6%	4,685	40.3%	11,022	2.7%
Service Ships							142	1.2%	142	0.0%
Tugs										
<b>Total</b>	<b>195,713</b>	<b>100%</b>	<b>152,447</b>	<b>100%</b>	<b>55,659</b>	<b>100%</b>	<b>11,616</b>	<b>100%</b>	<b>415,435</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Graph 83 - IGP&I very large ships, by age****Graph 84 - Gross tonnage of IGP&I very large ships, by age**

## 4.3. NON IGP&amp;I AND AGE

## WHOLE FLEET

Table 89 - Non IGP&amp;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	700	26.4%	886	34.4%	1,642	43.1%	5,002	45.1%	8,230	40.9%
Specialized Cargo Ships	10	0.4%	1	0.0%	7	0.2%	78	0.7%	96	0.5%
Container Ships	100	3.8%	184	7.1%	149	3.9%	138	1.2%	571	2.8%
Ro-Ro Cargo Ships	21	0.8%	67	2.6%	73	1.9%	228	2.1%	389	1.9%
Bulk Carriers	272	10.2%	150	5.8%	316	8.3%	854	7.7%	1,592	7.9%
Oil and Chemical Tankers	389	14.6%	314	12.2%	670	17.6%	1,478	13.3%	2,851	14.2%
Gas Tankers	53	2.0%	51	2.0%	90	2.4%	171	1.5%	365	1.8%
Other Tankers	21	0.8%	22	0.9%	57	1.5%	163	1.5%	263	1.3%
Passenger Ships	176	6.6%	320	12.4%	388	10.2%	720	6.5%	1,604	8.0%
Offshore Vessels	656	24.7%	300	11.6%	82	2.2%	950	8.6%	1,988	9.9%
Service Ships	164	6.2%	243	9.4%	277	7.3%	981	8.8%	1,665	8.3%
Tugs	94	3.5%	40	1.6%	62	1.6%	329	3.0%	525	2.6%
<b>Total</b>	<b>2,656</b>	<b>100%</b>	<b>2,578</b>	<b>100%</b>	<b>3,813</b>	<b>100%</b>	<b>11,092</b>	<b>100%</b>	<b>20,139</b>	<b>100%</b>

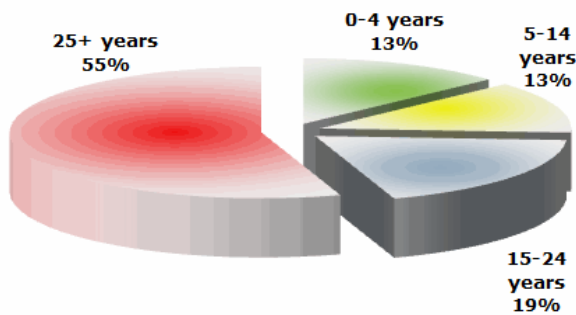
Source: Equasis

Table 90 - Non IGP&amp;I world fleet GT≥500: gross tonnage (in 1000 t) of ships, by type and age

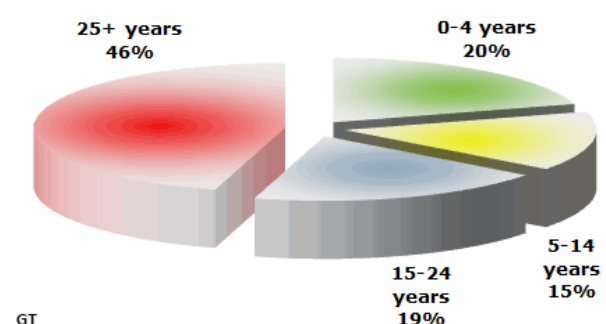
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,431	13.5%	2,696	20.5%	4,727	27.9%	13,995	34.8%	23,848	27.0%
Specialized Cargo Ships	99	0.5%	5	0.0%	32	0.2%	358	0.9%	493	0.6%
Container Ships	1,553	8.6%	1,603	12.2%	1,185	7.0%	890	2.2%	5,232	5.9%
Ro-Ro Cargo Ships	222	1.2%	551	4.2%	438	2.6%	1,286	3.2%	2,497	2.8%
Bulk Carriers	5,251	29.1%	1,398	10.6%	4,013	23.7%	13,138	32.7%	23,801	26.9%
Oil and Chemical Tankers	4,399	24.4%	3,810	28.9%	3,660	21.6%	3,673	9.1%	15,543	17.6%
Gas Tankers	121	0.7%	77	0.6%	223	1.3%	308	0.8%	729	0.8%
Other Tankers	41	0.2%	32	0.2%	74	0.4%	192	0.5%	339	0.4%
Passenger Ships	640	3.5%	1,170	8.9%	1,425	8.4%	2,256	5.6%	5,492	6.2%
Offshore Vessels	2,381	13.2%	1,206	9.1%	343	2.0%	1,733	4.3%	5,663	6.4%
Service Ships	807	4.5%	584	4.4%	777	4.6%	2,115	5.3%	4,283	4.8%
Tugs	87	0.5%	48	0.4%	62	0.4%	287	0.7%	484	0.5%
<b>Total</b>	<b>18,032</b>	<b>100%</b>	<b>13,182</b>	<b>100%</b>	<b>16,958</b>	<b>100%</b>	<b>40,231</b>	<b>100%</b>	<b>88,404</b>	<b>100%</b>

Source: Equasis

Graph 85 - Non IGP&amp;I world fleet GT≥500, by age



Graph 86 - Gross tonnage of non IGP&amp;I world fleet GT≥500, by age



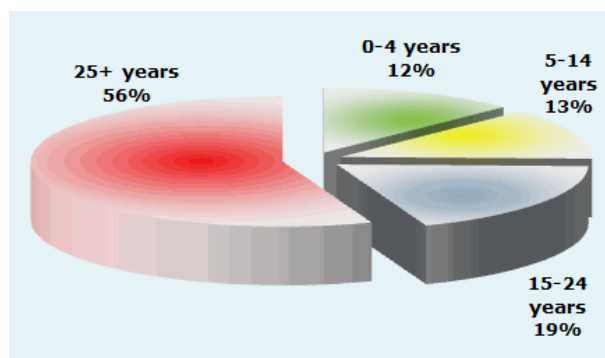
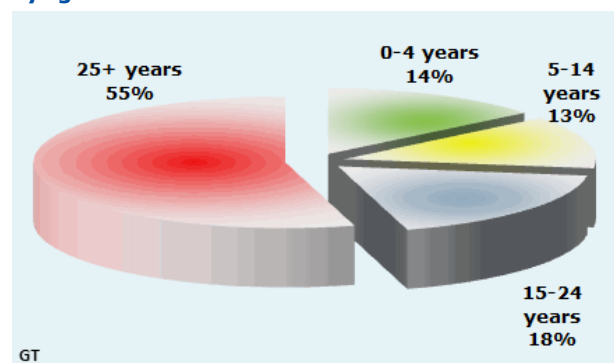
## MEDIUM SHIPS

**Table 91 - Non IGP&I : total number of medium<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	700	28.2%	886	35.5%	1,642	44.5%	5,001	45.8%	8,229	42.0%
Specialized Cargo Ships	10	0.4%	1	0.0%	7	0.2%	77	0.7%	95	0.5%
Container Ships	87	3.5%	174	7.0%	145	3.9%	136	1.2%	542	2.8%
Ro-Ro Cargo Ships	18	0.7%	67	2.7%	71	1.9%	226	2.1%	382	1.9%
Bulk Carriers	168	6.8%	128	5.1%	236	6.4%	719	6.6%	1,251	6.4%
Oil and Chemical Tankers	363	14.6%	283	11.3%	641	17.4%	1,469	13.4%	2,756	14.1%
Gas Tankers	53	2.1%	51	2.0%	89	2.4%	170	1.6%	363	1.9%
Other Tankers	21	0.8%	22	0.9%	57	1.5%	163	1.5%	263	1.3%
Passenger Ships	174	7.0%	317	12.7%	386	10.5%	718	6.6%	1,595	8.1%
Offshore Vessels	635	25.6%	286	11.5%	79	2.1%	943	8.6%	1,943	9.9%
Service Ships	162	6.5%	242	9.7%	275	7.5%	978	8.9%	1,657	8.5%
Tugs	94	3.8%	40	1.6%	62	1.7%	329	3.0%	525	2.7%
<b>Total</b>	<b>2,485</b>	<b>100%</b>	<b>2,497</b>	<b>100%</b>	<b>3,690</b>	<b>100%</b>	<b>10,929</b>	<b>100%</b>	<b>19,601</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Table 92 - Non IGP&I : gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,431	27.0%	2,696	32.7%	4,727	40.7%	13,966	40.5%	23,819	37.6%
Specialized Cargo Ships	99	1.1%	5	0.1%	32	0.3%	319	0.9%	455	0.7%
Container Ships	663	7.3%	1,272	15.4%	1,040	9.0%	820	2.4%	3,795	6.0%
Ro-Ro Cargo Ships	114	1.3%	551	6.7%	381	3.3%	1,229	3.6%	2,274	3.6%
Bulk Carriers	1,461	16.2%	537	6.5%	1,247	10.7%	8,667	25.1%	11,912	18.8%
Oil and Chemical Tankers	1,457	16.2%	903	10.9%	1,656	14.3%	3,327	9.6%	7,342	11.6%
Gas Tankers	121	1.3%	77	0.9%	178	1.5%	263	0.8%	640	1.0%
Other Tankers	41	0.5%	32	0.4%	74	0.6%	192	0.6%	339	0.5%
Passenger Ships	589	6.5%	1,071	13.0%	1,359	11.7%	2,193	6.4%	5,212	8.2%
Offshore Vessels	1,231	13.7%	504	6.1%	166	1.4%	1,224	3.6%	3,125	4.9%
Service Ships	724	8.0%	551	6.7%	683	5.9%	1,991	5.8%	3,949	6.2%
Tugs	87	1.0%	48	0.6%	62	0.5%	287	0.8%	484	0.8%
<b>Total</b>	<b>9,017</b>	<b>100%</b>	<b>8,247</b>	<b>100%</b>	<b>11,603</b>	<b>100%</b>	<b>34,479</b>	<b>100%</b>	<b>63,345</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Graph 87 - Non IGP&I medium ships, by age****Graph 88 - Gross tonnage of non IGP&I medium ships, by age**

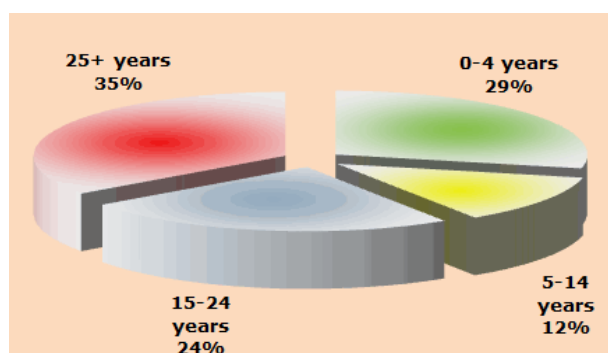
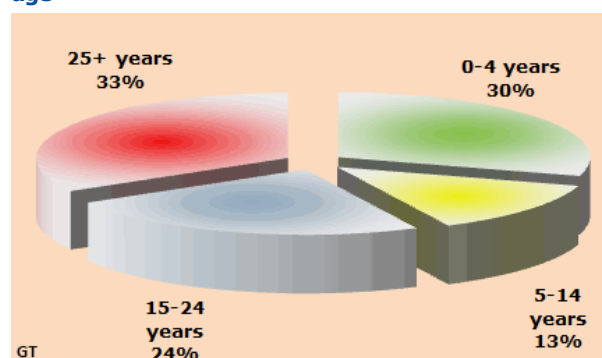
## LARGE SHIPS

**Table 93 - Non IGP&I : total number of large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships							1	0.6%	1	0.2%
Specialized Cargo Ships							1	0.6%	1	0.2%
Container Ships	5	3.9%	9	16.4%	4	3.7%	2	1.3%	20	4.5%
Ro-Ro Cargo Ships	3	2.4%			2	1.9%	2	1.3%	7	1.6%
Bulk Carriers	100	78.7%	21	38.2%	77	71.3%	133	85.3%	331	74.2%
Oil and Chemical Tankers	6	4.7%	13	23.6%	19	17.6%	9	5.8%	47	10.5%
Gas Tankers					1	0.9%	1	0.6%	2	0.4%
Other Tankers										
Passenger Ships	2	1.6%	3	5.5%	2	1.9%	2	1.3%	9	2.0%
Offshore Vessels	9	7.1%	8	14.5%	2	1.9%	3	1.9%	22	4.9%
Service Ships	2	1.6%	1	1.8%	1	0.9%	2	1.3%	6	1.3%
Tugs										
<b>Total</b>	<b>127</b>	<b>100%</b>	<b>55</b>	<b>100%</b>	<b>108</b>	<b>100%</b>	<b>156</b>	<b>100%</b>	<b>446</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Table 94 - Non IGP&I : gross tonnage (in 1000 t) of large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships							29	0.1%	29	0.2%
Specialized Cargo Ships							39	0.2%	39	0.3%
Container Ships	259	5.7%	265	13.2%	145	4.0%	70	0.3%	739	4.8%
Ro-Ro Cargo Ships	108	2.4%			57	1.6%	58	0.3%	223	1.5%
Bulk Carriers	3,444	75.8%	777	38.8%	2,531	69.4%	4,310	20.9%	11,062	72.3%
Oil and Chemical Tankers	244	5.4%	495	24.7%	673	18.5%	346	1.7%	1,757	11.5%
Gas Tankers					45	1.2%	44	0.2%	89	0.6%
Other Tankers										
Passenger Ships	51	1.1%	100	5.0%	66	1.8%	63	0.3%	279	1.8%
Offshore Vessels	353	7.8%	332	16.6%	98	2.7%	99	0.5%	882	5.8%
Service Ships	83	1.8%	33	1.7%	30	0.8%	63	0.3%	210	1.4%
Tugs										
<b>Total</b>	<b>4,542</b>	<b>100%</b>	<b>2,001</b>	<b>100%</b>	<b>3,645</b>	<b>100%</b>	<b>5,122</b>	<b>25%</b>	<b>15,310</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Graph 89 - Non IGP&I large ships, by age****Graph 90 - Gross tonnage of non IGP&I large ships, by age**



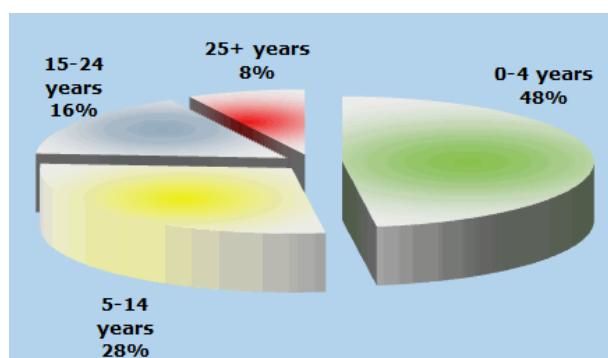
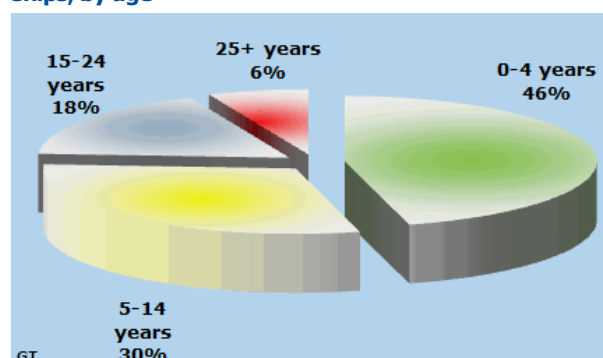
## VERY LARGE SHIPS

**Table 95 - Non IGP&I : total number of very large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	8	18.2%	1	3.8%					9	9.8%
Ro-Ro Cargo Ships										
Bulk Carriers	4	9.1%	1	3.8%	3	20.0%	2	28.6%	10	10.9%
Oil and Chemical Tankers	20	45.5%	18	69.2%	10	66.7%			48	52.2%
Gas Tankers										
Other Tankers										
Passenger Ships										
Offshore Vessels	12	27.3%	6	23.1%	1	6.7%	4	57.1%	23	25.0%
Service Ships					1	6.7%	1	14.3%	2	2.2%
Tugs										
<b>Total</b>	<b>44</b>	<b>100%</b>	<b>26</b>	<b>100%</b>	<b>15</b>	<b>100%</b>	<b>7</b>	<b>100%</b>	<b>92</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> GT≥60.000**Table 96 - Non IGP&I : gross tonnage (in 1000 t) of very large<sup>(1)</sup> ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	632	14.1%	66	2.3%					698	7.2%
Ro-Ro Cargo Ships										
Bulk Carriers	346	7.7%	84	2.9%	235	13.7%	161	25.6%	827	8.5%
Oil and Chemical Tankers	2,699	60.3%	2,413	82.3%	1,332	77.9%			6,443	66.1%
Gas Tankers										
Other Tankers										
Passenger Ships										
Offshore Vessels	797	17.8%	370	12.6%	80	4.6%	409	64.8%	1,656	17.0%
Service Ships					64	3.7%	60	9.6%	124	1.3%
Tugs										
<b>Total</b>	<b>4,474</b>	<b>100%</b>	<b>2,934</b>	<b>100%</b>	<b>1,710</b>	<b>100%</b>	<b>631</b>	<b>100%</b>	<b>9,749</b>	<b>100%</b>

Source: Equasis - <sup>(1)</sup> GT≥60.000**Graph 91 - Non IGP&I very large ships, by age****Graph 92 - Gross tonnage of non IGP&I very large ships, by age**

## 4.4. P&amp;I AND FLAG

## WORLD FLEET GT≥500

Table 97 - P&amp;I world fleet GT≥500 status : total number of ships, by type and flag- 2011

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	1,529	14.9%	4,636	51.9%	6,165	2,648	13.0%	3,594	32.0%	6,242
Specialized Cargo Ships	47	0.5%	69	0.8%	116	93	0.5%	27	0.2%	120
Container Ships	1,080	10.6%	254	2.8%	1,334	3,307	16.2%	317	2.8%	3,624
Ro-Ro Cargo Ships	474	4.6%	188	2.1%	662	642	3.1%	201	1.8%	843
Bulk Carriers	3,493	34.1%	779	8.7%	4,272	4,150	20.3%	813	7.2%	4,963
Oil and Chemical Tankers	2,227	21.8%	1,147	12.9%	3,374	4,898	24.0%	1,704	15.2%	6,602
Gas Tankers	340	3.3%	111	1.2%	451	825	4.0%	254	2.3%	1,079
Other Tankers	50	0.5%	115	1.3%	165	94	0.5%	148	1.3%	242
Passenger Ships	335	3.3%	529	5.9%	864	970	4.8%	1,075	9.6%	2,045
Offshore Vessels	495	4.8%	570	6.4%	1,065	2,024	9.9%	1,418	12.6%	3,442
Service Ships	111	1.1%	425	4.8%	536	470	2.3%	1,240	11.1%	1,710
Tugs	52	0.5%	101	1.1%	153	295	1.4%	424	3.8%	719
<b>Total</b>	<b>10,233</b>	<b>100%</b>	<b>8,924</b>	<b>100%</b>	<b>19,157</b>	<b>20,416</b>	<b>100%</b>	<b>11,215</b>	<b>100%</b>	<b>31,631</b>

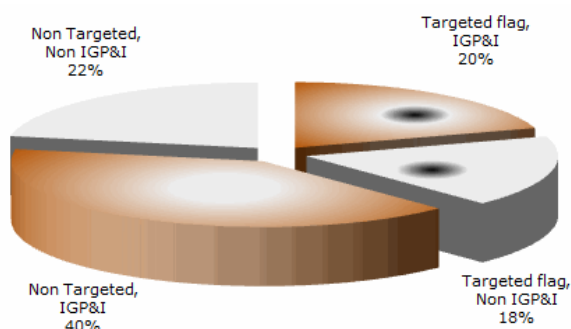
Source: Equasis

Table 98 - P&amp;I world fleet GT≥500 status : gross tonnage (in 1000 t) of ships, by type and flag

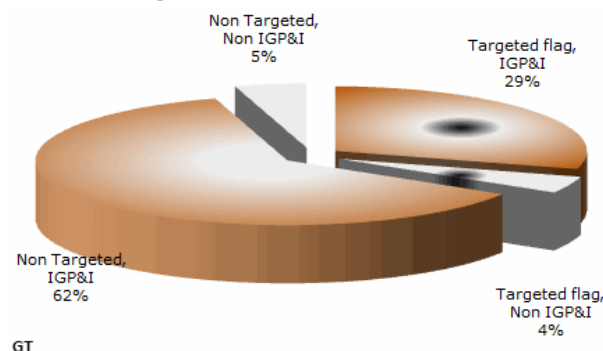
Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	11,300	3.8%	13,386	31.8%	24,687	23,585	3.8%	10,462	22.6%	34,047
Specialized Cargo Ships	1,243	0.4%	275	0.7%	1,518	1,504	0.2%	218	0.5%	1,722
Container Ships	42,075	14.3%	2,582	6.1%	44,657	122,574	19.9%	2,649	5.7%	125,223
Ro-Ro Cargo Ships	18,588	6.3%	1,160	2.8%	19,748	22,871	3.7%	1,338	2.9%	24,209
Bulk Carriers	136,057	46.1%	11,057	26.2%	147,113	174,113	28.2%	12,744	27.5%	186,857
Oil and Chemical Tankers	62,368	21.1%	9,199	21.8%	71,567	194,513	31.5%	6,343	13.7%	200,856
Gas Tankers	8,462	2.9%	256	0.6%	8,718	40,112	6.5%	473	1.0%	40,585
Other Tankers	164	0.1%	155	0.4%	319	544	0.1%	184	0.4%	728
Passenger Ships	9,597	3.3%	2,063	4.9%	11,660	18,409	3.0%	3,429	7.4%	21,838
Offshore Vessels	4,615	1.6%	967	2.3%	5,582	15,315	2.5%	4,696	10.2%	20,011
Service Ships	632	0.2%	953	2.3%	1,585	3,100	0.5%	3,330	7.2%	6,430
Tugs	53	0.0%	88	0.2%	142	334	0.1%	395	0.9%	730
<b>Total</b>	<b>295,154</b>	<b>100%</b>	<b>42,142</b>	<b>100%</b>	<b>337,296</b>	<b>616,974</b>	<b>100%</b>	<b>46,262</b>	<b>100%</b>	<b>663,236</b>

Source: Equasis

Graph 93 - Total number of ships GT≥500, by P&amp;I status and flag



Graph 94 - Gross tonnage of ships GT≥500, by P&amp;I status and flag



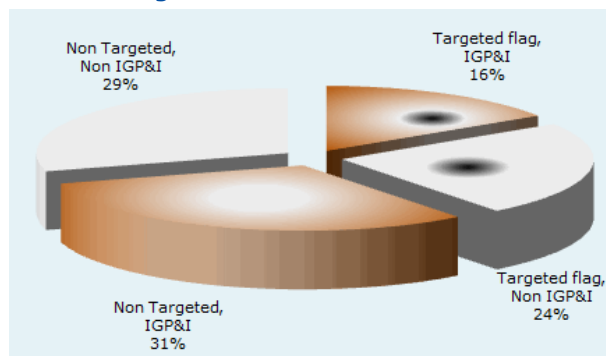
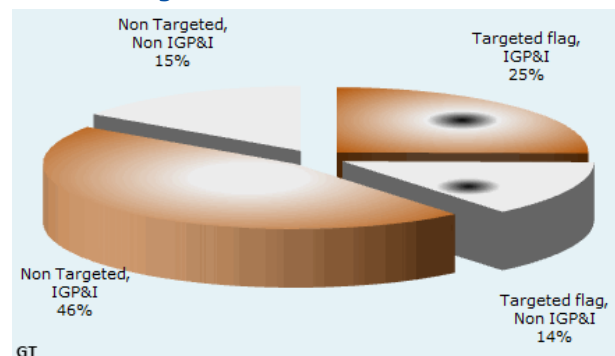
## MEDIUM SHIPS

**Table 99 - P&I status : total number of medium<sup>(1)</sup> ships, by type and flag- 2011**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,500	25.6%	4,635	53.2%	6,135	2,481	21.6%	3,594	33.0%	6,075
Specialized Cargo Ships	22	0.4%	69	0.8%	91	71	0.6%	26	0.2%	97
Container Ships	479	8.2%	238	2.7%	717	1,390	12.1%	304	2.8%	1,694
Ro-Ro Cargo Ships	134	2.3%	186	2.1%	320	258	2.3%	196	1.8%	454
Bulk Carriers	1,226	20.9%	657	7.5%	1,883	1,170	10.2%	594	5.5%	1,764
Oil and Chemical Tankers	1,412	24.1%	1,082	12.4%	2,494	2,205	19.2%	1,674	15.4%	3,879
Gas Tankers	239	4.1%	110	1.3%	349	412	3.6%	253	2.3%	665
Other Tankers	50	0.9%	115	1.3%	165	89	0.8%	148	1.4%	237
Passenger Ships	192	3.3%	526	6.0%	718	718	6.3%	1,069	9.8%	1,787
Offshore Vessels	454	7.7%	567	6.5%	1,021	1,915	16.7%	1,376	12.6%	3,291
Service Ships	106	1.8%	423	4.9%	529	456	4.0%	1,234	11.3%	1,690
Tugs	52	0.9%	101	1.2%	153	295	2.6%	424	3.9%	719
<b>Total</b>	<b>5,866</b>	<b>100%</b>	<b>8,709</b>	<b>100%</b>	<b>14,575</b>	<b>11,460</b>	<b>100%</b>	<b>10,892</b>	<b>100%</b>	<b>22,352</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Table 100 - P&I status : gross tonnage (in 1000 t) of medium<sup>(1)</sup> ships, by type and flag- 2011**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	10,432	19.1%	13,357	44.7%	23,788	18,378	18.7%	10,462	31.3%	28,841
Specialized Cargo Ships	308	0.6%	275	0.9%	583	710	0.7%	180	0.5%	890
Container Ships	6,384	11.7%	1,582	5.3%	7,966	18,287	18.6%	2,213	6.6%	20,500
Ro-Ro Cargo Ships	1,611	3.0%	1,099	3.7%	2,709	3,537	3.6%	1,176	3.5%	4,712
Bulk Carriers	19,717	36.1%	6,610	22.1%	26,327	20,867	21.2%	5,302	15.9%	26,168
Oil and Chemical Tankers	11,480	21.0%	2,856	9.5%	14,335	20,076	20.4%	4,486	13.4%	24,562
Gas Tankers	1,451	2.7%	211	0.7%	1,662	3,562	3.6%	429	1.3%	3,991
Other Tankers	164	0.3%	155	0.5%	319	382	0.4%	184	0.6%	566
Passenger Ships	1,448	2.7%	1,971	6.6%	3,419	4,397	4.5%	3,242	9.7%	7,639
Offshore Vessels	1,101	2.0%	816	2.7%	1,917	5,326	5.4%	2,309	6.9%	7,635
Service Ships	413	0.8%	890	3.0%	1,304	2,518	2.6%	3,058	9.1%	5,577
Tugs	53	0.1%	88	0.3%	142	334	0.3%	395	1.2%	730
<b>Total</b>	<b>54,561</b>	<b>100%</b>	<b>29,909</b>	<b>100%</b>	<b>84,470</b>	<b>98,376</b>	<b>100%</b>	<b>33,436</b>	<b>100%</b>	<b>131,811</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000**Graph 95 - Total number of medium ships, by P&I status and flag****Graph 96 - Gross tonnage of medium ships, by P&I status and flag**

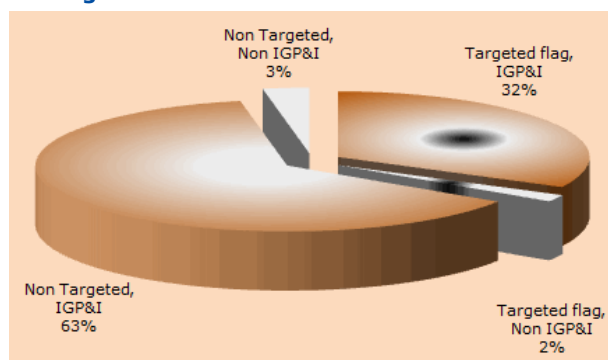
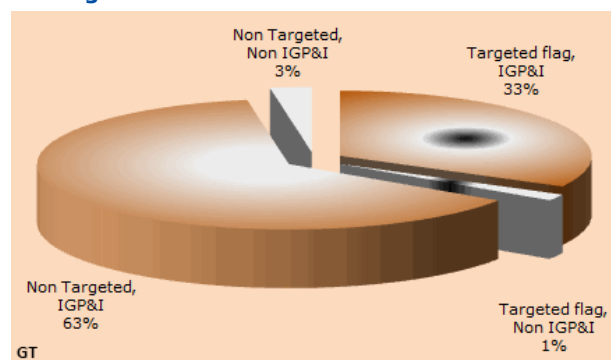
## LARGE SHIPS

**Table 101 - P&I status : total number of large<sup>(1)</sup> 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	29	0.9%	1	0.6%	30	167	2.8%			167
Specialized Cargo Ships	25	0.8%			25	22	0.4%	1	0.4%	23
Container Ships	364	11.7%	8	4.9%	372	1,295	21.6%	12	4.2%	1,307
Ro-Ro Cargo Ships	281	9.1%	2	1.2%	283	299	5.0%	5	1.8%	304
Bulk Carriers	1,678	54.1%	118	72.8%	1,796	2,206	36.8%	213	75.0%	2,419
Oil and Chemical Tankers	557	17.9%	25	15.4%	582	1,651	27.6%	22	7.7%	1,673
Gas Tankers	58	1.9%	1	0.6%	59	127	2.1%	1	0.4%	128
Other Tankers						5	0.1%			5
Passenger Ships	92	3.0%	3	1.9%	95	168	2.8%	6	2.1%	174
Offshore Vessels	16	0.5%	2	1.2%	18	37	0.6%	20	7.0%	57
Service Ships	4	0.1%	2	1.2%	6	13	0.2%	4	1.4%	17
Tugs										
<b>Total</b>	<b>3,104</b>	<b>100%</b>	<b>162</b>	<b>100%</b>	<b>3,266</b>	<b>5,990</b>	<b>100%</b>	<b>284</b>	<b>100%</b>	<b>6,274</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Table 102 - P&I status : gross tonnage (in 1000 t) of large<sup>(1)</sup> 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	869	0.7%	29	0.5%	898	5,206	2.3%			5,206
Specialized Cargo Ships	935	0.8%			935	794	0.4%	39	0.4%	832
Container Ships	14,773	12.6%	369	6.4%	15,142	49,474	21.9%	370	3.9%	49,844
Ro-Ro Cargo Ships	13,193	11.2%	61	1.1%	13,254	13,821	6.1%	162	1.7%	13,983
Bulk Carriers	60,897	51.7%	4,077	70.8%	64,974	79,553	35.2%	6,985	73.1%	86,538
Oil and Chemical Tankers	20,338	17.3%	931	16.2%	21,270	63,227	28.0%	826	8.6%	64,052
Gas Tankers	2,524	2.1%	45	0.8%	2,569	5,570	2.5%	44	0.5%	5,614
Other Tankers						162	0.1%			162
Passenger Ships	3,299	2.8%	92	1.6%	3,391	5,982	2.6%	187	2.0%	6,169
Offshore Vessels	733	0.6%	91	1.6%	824	1,747	0.8%	791	8.3%	2,539
Service Ships	147	0.1%	63	1.1%	211	511	0.2%	147	1.5%	658
Tugs										
<b>Total</b>	<b>117,710</b>	<b>100%</b>	<b>5,758</b>	<b>100%</b>	<b>123,468</b>	<b>226,048</b>	<b>100%</b>	<b>9,551</b>	<b>100%</b>	<b>235,599</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000**Graph 97 - Total number of large ships, by P&I status and flag****Graph 98 - Gross tonnage of large ships, by P&I status and flag**

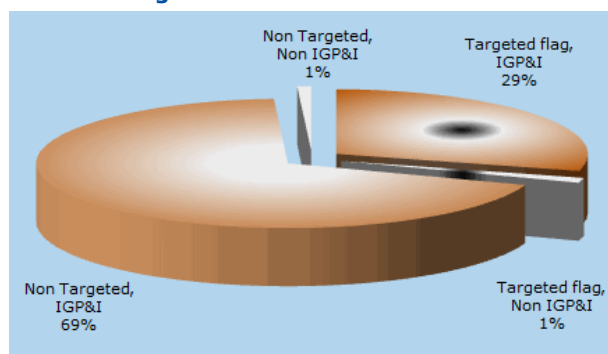
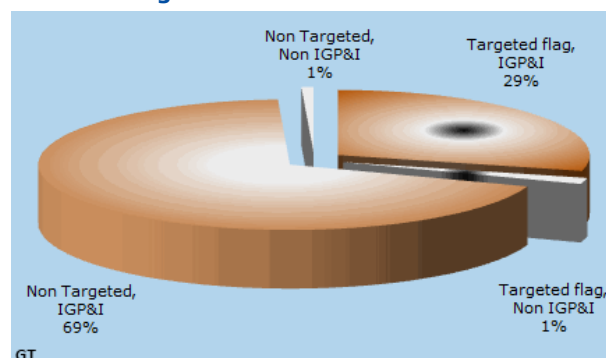
## VERY LARGE SHIPS

**Table 103 - P&I status : total number of very large<sup>(1)</sup> ships, by type and flag- 2011**

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										
Container Ships	237	18.8%	8	15.1%	245	622	21.0%	1	2.6%	623
Ro-Ro Cargo Ships	59	4.7%			59	85	2.9%			85
Bulk Carriers	589	46.6%	4	7.5%	593	774	26.1%	6	15.4%	780
Oil and Chemical Tankers	258	20.4%	40	75.5%	298	1,042	35.1%	8	20.5%	1,050
Gas Tankers	43	3.4%			43	286	9.6%			286
Other Tankers										
Passenger Ships	51	4.0%			51	84	2.8%			84
Offshore Vessels	25	2.0%	1	1.9%	26	72	2.4%	22	56.4%	94
Service Ships	1	0.1%			1	1	0.0%	2	5.1%	3
Tugs										
<b>Total</b>	<b>1,263</b>	<b>100%</b>	<b>53</b>	<b>100%</b>	<b>1,316</b>	<b>2,966</b>	<b>100%</b>	<b>39</b>	<b>100%</b>	<b>3,005</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Table 104 - P&I status : gross tonnage (in 1000 t) of very large<sup>(1)</sup> ships, by type and flag- 2011**

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										
Container Ships	20,917	17.0%	632	9.8%	21,549	54,813	18.7%	66	2.0%	54,879
Ro-Ro Cargo Ships	3,785	3.1%			3,785	5,513	1.9%			5,513
Bulk Carriers	55,443	45.1%	370	5.7%	55,813	73,693	25.2%	457	14.0%	74,151
Oil and Chemical Tankers	30,550	24.9%	5,412	83.6%	35,963	111,210	38.0%	1,031	31.5%	112,241
Gas Tankers	4,487	3.7%			4,487	30,979	10.6%			30,979
Other Tankers										
Passenger Ships	4,850	3.9%			4,850	8,029	2.7%			8,029
Offshore Vessels	2,781	2.3%	60	0.9%	2,841	8,241	2.8%	1,596	48.7%	9,837
Service Ships	71	0.1%			71	71	0.0%	124	3.8%	196
Tugs										
<b>Total</b>	<b>122,884</b>	<b>100%</b>	<b>6,474</b>	<b>100%</b>	<b>129,358</b>	<b>292,551</b>	<b>100%</b>	<b>3,275</b>	<b>100%</b>	<b>295,826</b>

Source: Equasis - <sup>(1)</sup>GT≥60.000**Graph 99 - Total number of very large ships, by P&I status and flag****Graph 100 -Gross tonnage of very large ships, by P&I status and flag**

## 4.5. SAFETY PERFORMANCE

## WHOLE FLEET GT≥500

**Table 105 - Whole fleet GT≥500 detention rate<sup>(\*)</sup>, by type and P&I status**

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.53%	8.83%	6.22%
Specialized Cargo Ships	4.13%	11.39%	5.92%
Container Ships	2.24%	3.16%	2.30%
Ro-Ro Cargo Ships	1.70%	10.09%	2.49%
Bulk Carriers	3.40%	7.69%	3.79%
Oil and Chemical Tankers	1.32%	7.01%	1.71%
Gas Tankers	1.65%	11.88%	2.37%
Other Tankers	0.54%	16.25%	5.28%
Passenger Ships	1.15%	4.67%	1.65%
Offshore Vessels	2.41%	9.95%	4.29%
Service Ships	1.44%	6.56%	3.91%
Tugs	1.35%	6.67%	3.73%
<b>Total</b>	<b>2.63%</b>	<b>8.38%</b>	<b>3.86%</b>

Source: Equasis - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

**Table 106 - Medium<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and P&I status**

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.58%	8.83%	6.33%
Specialized Cargo Ships	2.65%	11.39%	5.65%
Container Ships	2.79%	2.87%	2.80%
Ro-Ro Cargo Ships	3.38%	10.58%	5.41%
Bulk Carriers	3.80%	8.39%	4.69%
Oil and Chemical Tankers	1.63%	7.28%	2.35%
Gas Tankers	2.48%	12.00%	3.54%
Other Tankers	0.56%	16.25%	5.43%
Passenger Ships	1.45%	5.05%	2.50%
Offshore Vessels	2.50%	10.23%	4.45%
Service Ships	1.49%	6.61%	3.99%
Tugs	1.35%	6.67%	3.73%
<b>Total</b>	<b>3.02%</b>	<b>8.53%</b>	<b>4.92%</b>

Source: Equasis - <sup>(1)</sup> 500≤GT<25.000 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

**Table 107 - Large<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and P&I status**

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.63%	0.00%	2.62%
Specialized Cargo Ships	6.59%		6.59%
Container Ships	2.62%	8.57%	2.68%
Ro-Ro Cargo Ships	1.39%	0.00%	1.38%
Bulk Carriers	3.31%	5.09%	3.38%
Oil and Chemical Tankers	1.36%	9.52%	1.41%
Gas Tankers	0.99%	0.00%	0.98%
Other Tankers	0.00%		0.00%
Passenger Ships	1.04%	0.00%	1.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	0.00%	0.00%
Tugs			
<b>Total</b>	<b>2.60%</b>	<b>5.18%</b>	<b>2.66%</b>

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

**Table 108 - Very large<sup>(1)</sup> ships detention rates<sup>(\*)</sup>, by type and P&I status**

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships			
Container Ships	0.75%	0.00%	0.74%
Ro-Ro Cargo Ships	0.28%		0.28%
Bulk Carriers	2.76%	0.00%	2.75%
Oil and Chemical Tankers	0.33%	0.00%	0.33%
Gas Tankers	0.00%		0.00%
Other Tankers			
Passenger Ships	0.88%		0.88%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships		0.00%	0.00%
Tugs			
<b>Total</b>	<b>1.28%</b>	<b>0.00%</b>	<b>1.27%</b>

Source: Equasis - <sup>(1)</sup> GT≥60.000 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

## Chapter 5

# 5. Port State Control

## INTRODUCTION

Port State Control authorities check the compliance with international conventions of foreign ships visiting their ports. Equasis includes inspection data provided by four of the regional Port State Control regimes, Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU) and U.S. Coast Guard (USCG). The following tables show the level of annual inspections by the four regional Port State Control regimes which contributed to Equasis.

Viña del Mar has joined Equasis but the data provided is not sufficient to cover the full year for 2011. Data from this provider will be introduced into next year's report.

## PSC SHIP TYPE

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

However, for consistency reasons, the fleet considered is exactly the same as that used in other chapters. It means that some inspections are not counted in this chapter if the ship is not active anymore or if the ship has a "commercial" ship type that is considered to be out of the scope of these statistics.

## INSPECTED SHIPS

Ships are subject to Port State Control inspections in most parts of the world but Equasis received data only from four PSC regimes. Some ships do not trade to countries involved in these four MoU or in some cases have not been inspected when they have visited them. In addition, some ships are not eligible for PSC inspections either because of their size or type, or they are only engaged in domestic trade. However, these vessels are mainly confined to the small ship size category.

Therefore there is a portion of the eligible fleet without a Port State Control inspection record in Equasis.

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

## RECOGNISED ORGANISATIONS

For the first time in these statistics, the "Recognised Organisations" are introduced in the latest part of this chapter. Recognised Organisations are Class Societies working on behalf of a flag state to survey ships under their flag and certify that they comply with the relevant international conventions.

In Equasis, information about Recognised Organisations is provided through PSC inspections. Nowadays, only the Paris MoU and the Indian MoU provide this information to Equasis.

Table 142 gives, for each type of certificate, the total number of inspections in which a statutory certificate has been recorded by the Port State Control Officer (PSCO). It also gives the number of inspections where this certificate is recorded by the PSCO by issuer (flag or RO).

Please, note that during an inspection, several certificates are usually checked. Additionally a "group" of certificates in the table may refer to more than one certificate and each may be issued by



different authorities. For these reasons, total figures cannot be easily deducted from Table 142 by summing lines or columns.

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

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## RESULTS

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Table 114 reveals that of the 50788 ships over 500GT in the fleet covered by Equasis, 64% (32723) were inspected at least once in the period 2009-2011. This equates to 87% by tonnage. For 2011, table 111 and 112 show that this proportion is 57% (28847).

Table 111 shows that the number of individual ships inspected increased steadily in the period 2002 to 2011. In 2011, there is an increase in the number of individual ships inspected once. A possible cause is the New Inspection Regime in place in the Paris MoU region that modifies the targeting of ships to inspect them all on a regular basis, instead of a fixed proportion of 25%.

Regionally, table 112 and Graph 104 indicate that in 2011 there was a greater tendency towards multiple inspections of ships in the Tokyo MoU region than in the other regions. In contrast, in the Paris MoU, 80% of the inspections are done on different ships, which is a significant increase compared to 2010 (56%). This can also be explained by the New Inspection Regime in place in this region.

Table 109 and 110 show that the majority of ships without an inspection record is in the small or medium ship size category (97% in number).

By age, table 114 shows that older ships have been subjected to fewer inspections than newer ships. With respect to ships with IGP&I coverage, they have also been subjected to more inspections. The explanation for this is not evident, but a possibility would be that the majority of old ships and ships not covered by IGP&I are not operating in the regions for which Equasis has PSC data.

Table 130 shows that, as expected, ships with targeted flags are subjected to more

inspections than those of non-targeted flags .

Table 138 shows that issuers of statutory certificates are, in majority, Recognised Organisations that are member of IACS. Only 6% to 7% of the inspections of ships over 500GT have at least one certificate issued by a flag State, but about 96% have at least one statutory certificate issued by a Recognised Organisation that is member of IACS. Graph 136 shows that flag States play a bigger role, in proportion, for issuing certificates on ships from the very large size category.

Table 142 shows that the involvement of flag States differs greatly depending on the statutory certificates. The Minimum Safe Manning Document (SOLAS/STCW) is the only statutory certificate that is, in majority, issued by the flag States. Flag States are also more involved in issuing the ISPS (that ensure security on ships), especially targeted flags. Flag States are more involved in SOLAS requirements while Recognised Organisations have almost a monopoly on MARPOL certificates.

## 5.1. PORT STATE CONTROL OVERVIEW

## OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIONS (2009-2011)

Table 109 - 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	4,737	150	3.2%	12,432	8,315	66.9%	1,396	1,393	99.8%	110	110	100.0%	18,675	9,968	53.4%
Refrigerated Cargo	133	25	18.8%	837	636	76.0%	1	1	100.0%				971	662	68.2%
Heavy load				58	47	81.0%	21	20	95.2%				79	67	84.8%
Container	16		0.0%	2,226	1,870	84.0%	1,323	1,240	93.7%	788	772	98.0%	4,353	3,882	89.2%
Ro-Ro cargo	757	6	0.8%	2,201	448	20.4%	479	442	92.3%	121	119	98.3%	3,558	1,015	28.5%
Bulk Carrier	5		0.0%	2,644	2,217	83.9%	3,407	2,982	87.5%	1,318	1,199	91.0%	7,374	6,398	86.8%
Oil tanker	1,589	34	2.1%	3,480	932	26.8%	1,317	1,146	87.0%	1,126	983	87.3%	7,512	3,095	41.2%
Chemical tanker	511	8	1.6%	3,098	2,326	75.1%	588	535	91.0%	1	1	100.0%	4,198	2,870	68.4%
Combination carrier				49	34	69.4%	27	27	100.0%	18	17	94.4%	94	78	83.0%
Gas carrier	44	1	2.3%	990	589	59.5%	169	153	90.5%	303	251	82.8%	1,506	994	66.0%
NLS Tanker	6	2	33.3%	195	187	95.9%	360	360	100.0%	286	286	100.0%	847	835	98.6%
High speed passenger craft	11	11	100.0%	39	39	100.0%							50	50	100.0%
Passenger Ship	2,672	99	3.7%	718	141	19.6%	69	68	98.6%	131	130	99.2%	3,590	438	12.2%
RoRo passenger ship	2	2	100.0%	178	178	100.0%	161	161	100.0%	4	4	100.0%	345	345	100.0%
Offshore supply	1,937	60	3.1%	3,951	895	22.7%	9	2	22.2%	3	2	66.7%	5,900	959	16.3%
Special purpose ship	191	30	15.7%	354	108	30.5%	12	5	41.7%	3	3	100.0%	560	146	26.1%
Tug	12,944	296	2.3%	848	127	15.0%							13,792	423	3.1%
Other special activities	2,475	406	16.4%	2,211	743	33.6%	153	103	67.3%	105	23	21.9%	4,944	1,275	25.8%
Other	256	5	2.0%	418	113	27.0%	48	38	79.2%	4	2	50.0%	726	158	21.8%
<b>Total</b>	<b>28,286</b>	<b>1,135</b>	<b>4%</b>	<b>36,927</b>	<b>19,945</b>	<b>54%</b>	<b>9,540</b>	<b>8,676</b>	<b>91%</b>	<b>4,321</b>	<b>3,902</b>	<b>90%</b>	<b>79,074</b>	<b>33,658</b>	<b>43%</b>

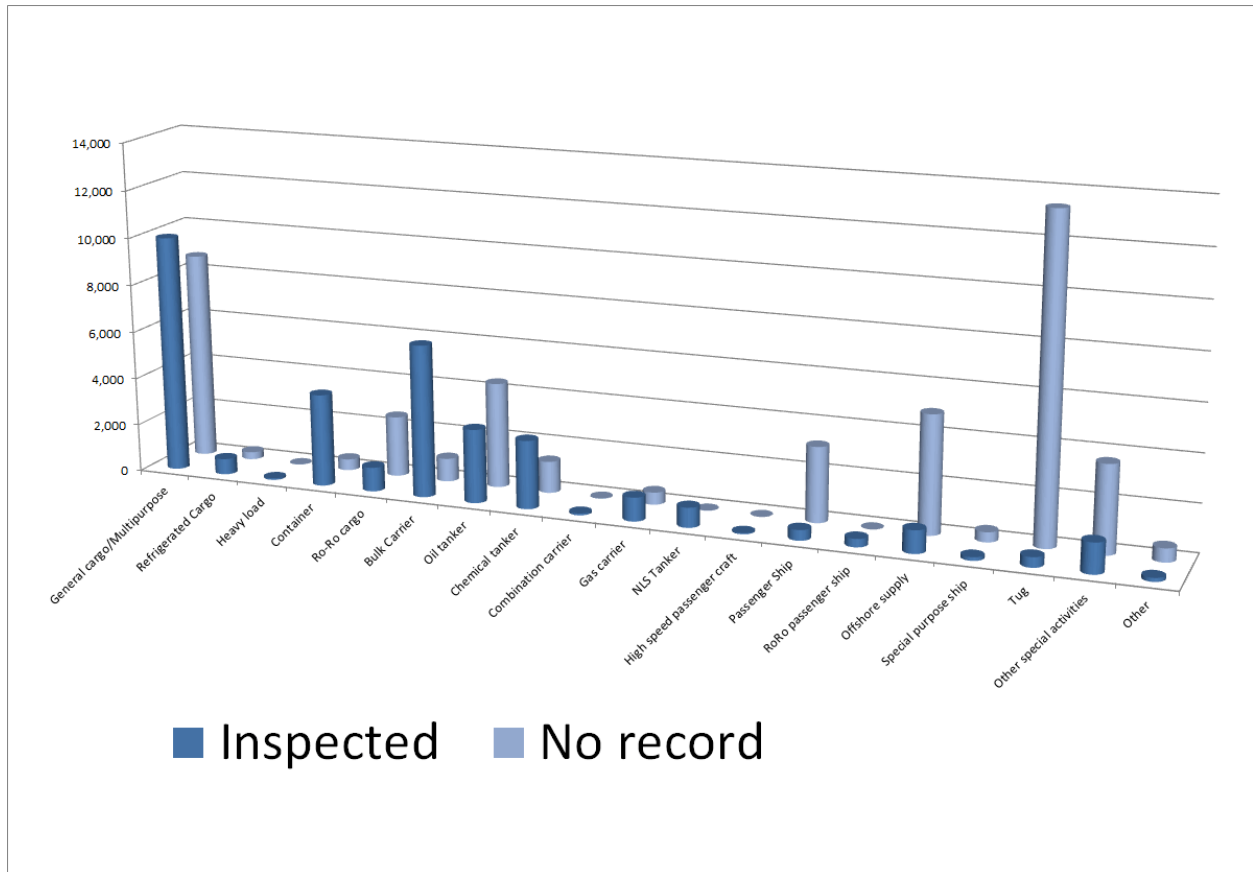
Source: Equasis <sup>(1)</sup> GT<500 - <sup>(2)</sup> 500≤GT<25.000 - <sup>(3)</sup> 25.000≤GT<60.000 - <sup>(4)</sup> GT≥60.000

Table 110 - Gross tonnage (in 1000 t) of the world fleet in Equasis, by PSC type and size

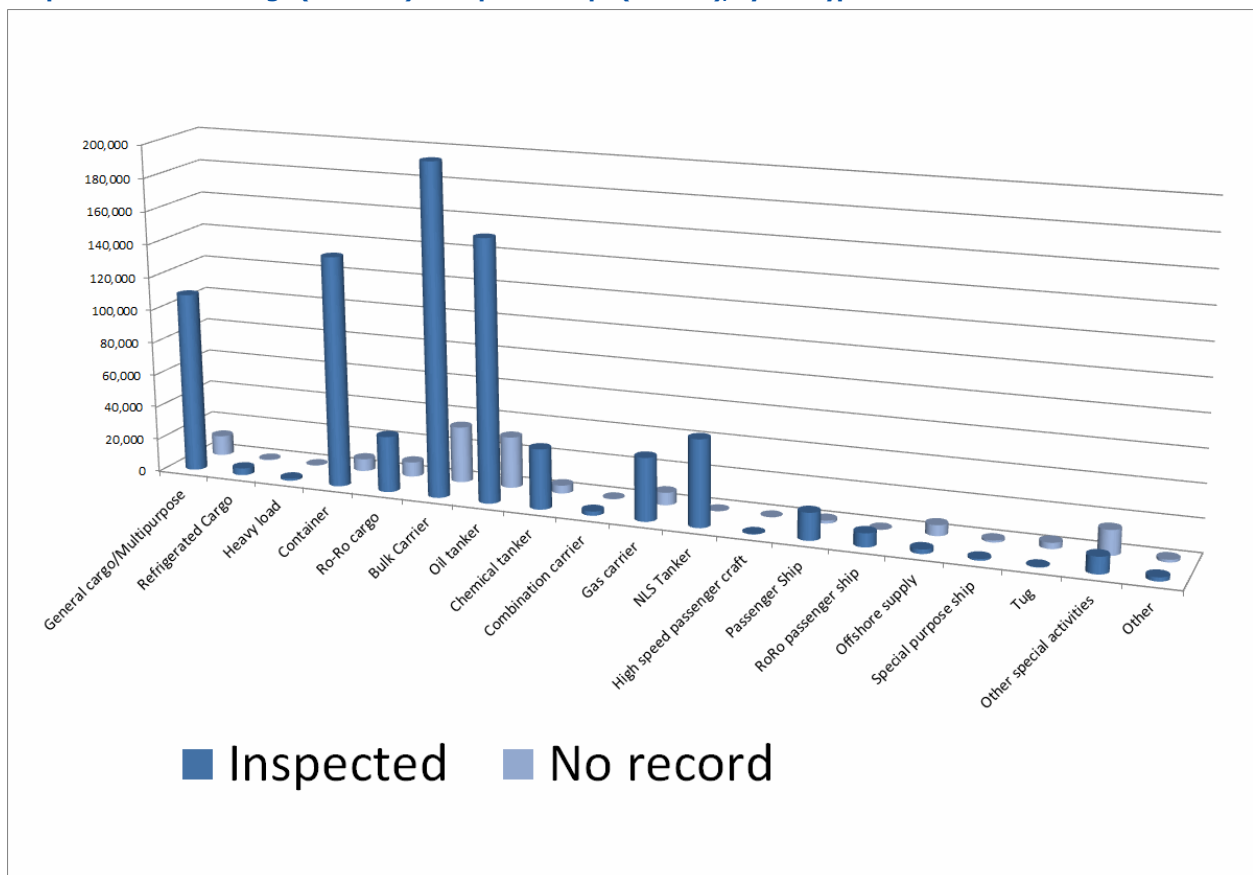
PSC Ship Type	Small			Medium			Large			Very Large			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,627	56	3.4%	59,331	48,974	82.5%	51,465	51,371	99.8%	8,363	8,363	100.0%	120,786	108,764	90.0%
Refrigerated Cargo	42	8	18.8%	4,548	4,168	91.6%	33	33	100.0%				4,623	4,209	91.0%
Heavy load				712	575	80.7%	756	714	94.4%				1,468	1,289	87.8%
Container	6		0.0%	26,009	23,180	89.1%	50,410	47,415	94.1%	70,328	68,745	97.7%	146,753	139,341	94.9%
Ro-Ro cargo	231	2	1.0%	12,571	5,272	41.9%	21,973	20,828	94.8%	7,873	7,742	98.3%	42,648	33,844	79.4%
Bulk Carrier	2		0.0%	43,223	36,897	85.4%	122,743	107,608	87.7%	124,075	111,628	90.0%	290,042	256,133	88.3%
Oil tanker	486	13	2.6%	14,335	7,018	49.0%	54,890	48,391	88.2%	119,277	102,529	86.0%	188,989	157,950	83.6%
Chemical tanker	186	3	1.8%	23,641	20,579	87.0%	17,295	15,706	90.8%	62	62	100.0%	41,183	36,350	88.3%
Combination carrier				303	246	81.2%	885	885	100.0%	1,615	1,443	89.3%	2,803	2,574	91.8%
Gas carrier	17		0.0%	5,366	4,128	76.9%	7,467	6,756	90.5%	32,787	27,186	82.9%	45,638	38,071	83.4%
NLS Tanker	2	1	35.0%	1,865	1,857	99.6%	13,813	13,813	100.0%	36,725	36,725	100.0%	52,407	52,397	100.0%
High speed passenger craft	3	3	100.0%	214	214	100.0%							217	217	100.0%
Passenger Ship	631	21	3.4%	2,203	1,201	54.5%	2,754	2,719	98.7%	12,601	12,521	99.4%	18,189	16,462	90.5%
RoRo passenger ship	1	1	100.0%	2,338	2,338	100.0%	5,603	5,603	100.0%	278	278	100.0%	8,219	8,219	100.0%
Offshore supply	561	18	3.2%	7,910	2,361	29.8%	299	82	27.4%	255	155	60.7%	9,025	2,616	29.0%
Special purpose ship	48	8	17.1%	1,551	642	41.4%	473	224	47.3%	185	185	100.0%	2,256	1,059	46.9%
Tug	3,041	83	2.7%	885	203	23.0%							3,926	286	7.3%
Other special activities	605	118	19.5%	7,459	3,589	48.1%	6,365	4,015	63.1%	10,504	2,346	22.3%	24,934	10,068	40.4%
Other	97	2	2.0%	1,819	799	43.9%	1,841	1,467	79.7%	255	121	47.3%	4,012	2,389	59.5%
<b>Total</b>	<b>7,587</b>	<b>336</b>	<b>4%</b>	<b>216,282</b>	<b>164,242</b>	<b>76%</b>	<b>359,067</b>	<b>327,631</b>	<b>91%</b>	<b>425,183</b>	<b>380,028</b>	<b>89%</b>	<b>1,008,119</b>	<b>872,238</b>	<b>87%</b>

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

**Graph 101 -Total number of inspected ships (all sizes), by PSC type**



**Graph 102 -Gross tonnage (in 1000 t) of inspected ships (all sizes), by PSC type**

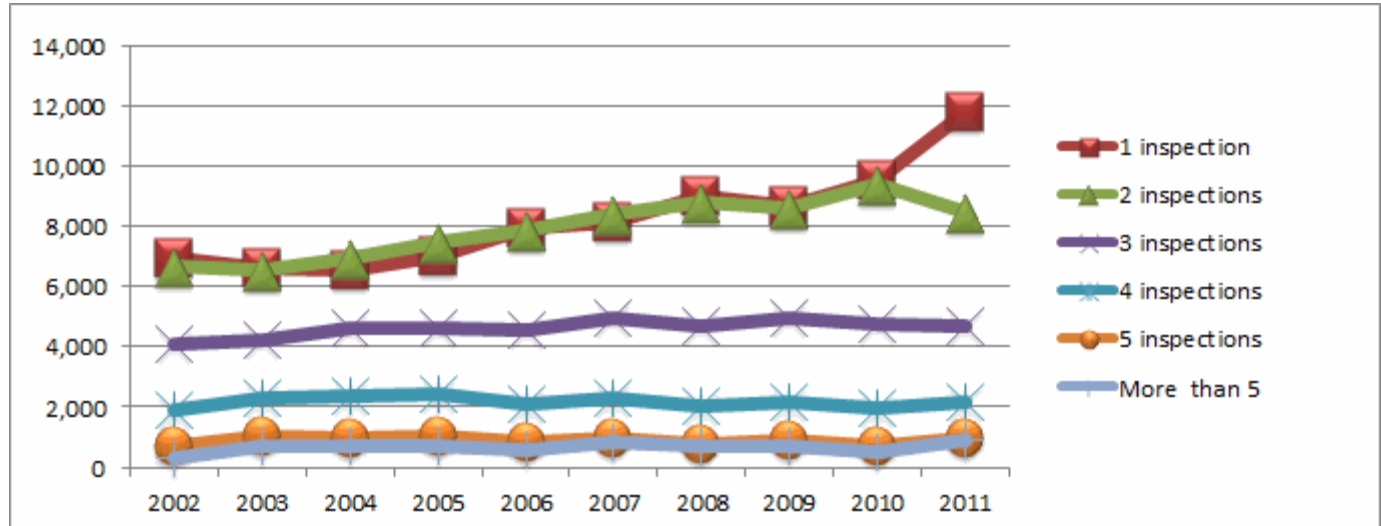


## MULTIPLE INSPECTIONS (2002-2011)

**Table 111 - Total number of individual ships inspected<sup>(\*)</sup>, by number of inspections per ship – 2002-2011**

Number of inspections per ship	Number of ships inspected																			
	2002		2003		2004		2005		2006		2007		2008		2009		2010		2011	
1	6,966	33.7%	6,640	31.0%	6,518	29.4%	6,998	30.1%	7,913	33.2%	8,166	31.9%	9,005	34.6%	8,637	33.2%	9,527	35.5%	11,783	40.8%
2	6,691	32.4%	6,514	30.4%	6,956	31.4%	7,470	32.1%	7,898	33.1%	8,415	32.8%	8,818	33.9%	8,571	33.0%	9,413	35.1%	8,438	29.3%
3	4,090	19.8%	4,233	19.7%	4,621	20.8%	4,627	19.9%	4,529	19.0%	4,939	19.3%	4,687	18.0%	4,949	19.0%	4,781	17.8%	4,670	16.2%
4	1,908	9.2%	2,319	10.8%	2,374	10.7%	2,397	10.3%	2,127	8.9%	2,287	8.9%	2,041	7.8%	2,172	8.4%	1,969	7.3%	2,133	7.4%
5	733	3.5%	1,027	4.8%	981	4.4%	1,049	4.5%	830	3.5%	972	3.8%	795	3.1%	934	3.6%	672	2.5%	936	3.2%
More than 5	292	1.4%	700	3.3%	726	3.3%	703	3.0%	552	2.3%	859	3.4%	671	2.6%	724	2.8%	493	1.8%	887	3.1%
<b>Total</b>	<b>20,680</b>	<b>100%</b>	<b>21,433</b>	<b>100%</b>	<b>22,176</b>	<b>100%</b>	<b>23,244</b>	<b>100%</b>	<b>23,849</b>	<b>100%</b>	<b>25,638</b>	<b>100%</b>	<b>26,017</b>	<b>100%</b>	<b>25,987</b>	<b>100%</b>	<b>26,855</b>	<b>100%</b>	<b>28,847</b>	<b>100%</b>

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, US Coast Guard- <sup>(\*)</sup> Existing ship types in Equasis

**Graph 103 -Total number of individual ships inspected<sup>(\*)</sup>, by number of inspections per ship – 2002-2011**

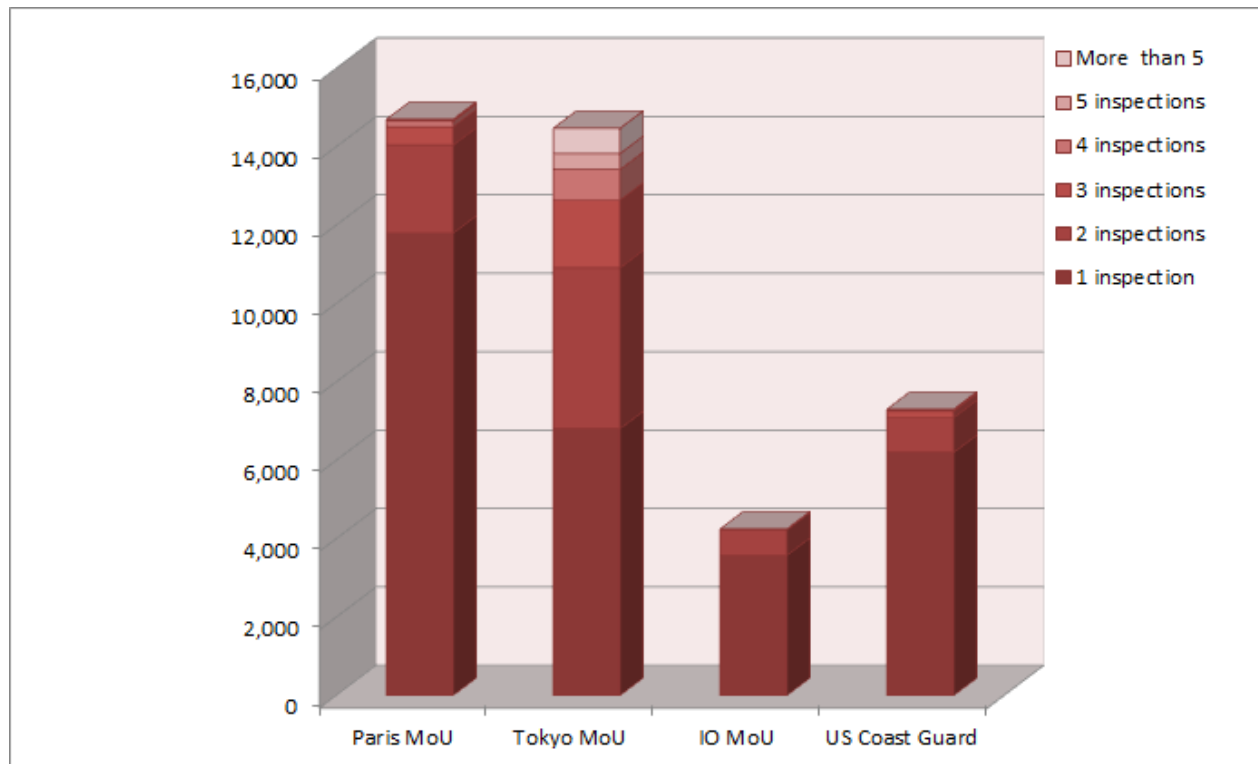
<sup>(\*)</sup> Existing ship types in Equasis

## INSPECTION FREQUENCY BY PSC REGIONS (2011)

**Table 112 - Total number of individual ships inspected<sup>(\*)</sup>, by number of inspection per ship and by PSC region**

Number of inspections per ship	Number of ships inspected									
	Paris MoU		Tokyo MoU		IO MoU		US Coast Guard		Overall	
1	11,791	80.3%	6,806	47.1%	3,575	84.2%	6,200	84.9%	11,783	40.8%
2	2,246	15.3%	4,103	28.4%	646	15.2%	888	12.2%	8,438	29.3%
3	465	3.2%	1,726	11.9%	22	0.5%	163	2.2%	4,670	16.2%
4	143	1.0%	779	5.4%			28	0.4%	2,133	7.4%
5	32	0.2%	409	2.8%			10	0.1%	936	3.2%
More than 5	14	0.1%	639	4.4%	1	0.0%	11	0.2%	887	3.1%
<b>Total</b>	<b>14,691</b>	<b>100%</b>	<b>14,462</b>	<b>100%</b>	<b>4,244</b>	<b>100%</b>	<b>7,300</b>	<b>100%</b>	<b>28,847</b>	<b>100%</b>

Source: Equasis - Paris MoU, Tokyo MoU, IO MoU, US Coast Guard- <sup>(\*)</sup> All existing ship types in Equasis

**Graph 104 -Total number of individual ships inspected<sup>(\*)</sup>, by number of inspection per ship and PSC region**

<sup>(\*)</sup> All existing ship types in Equasis

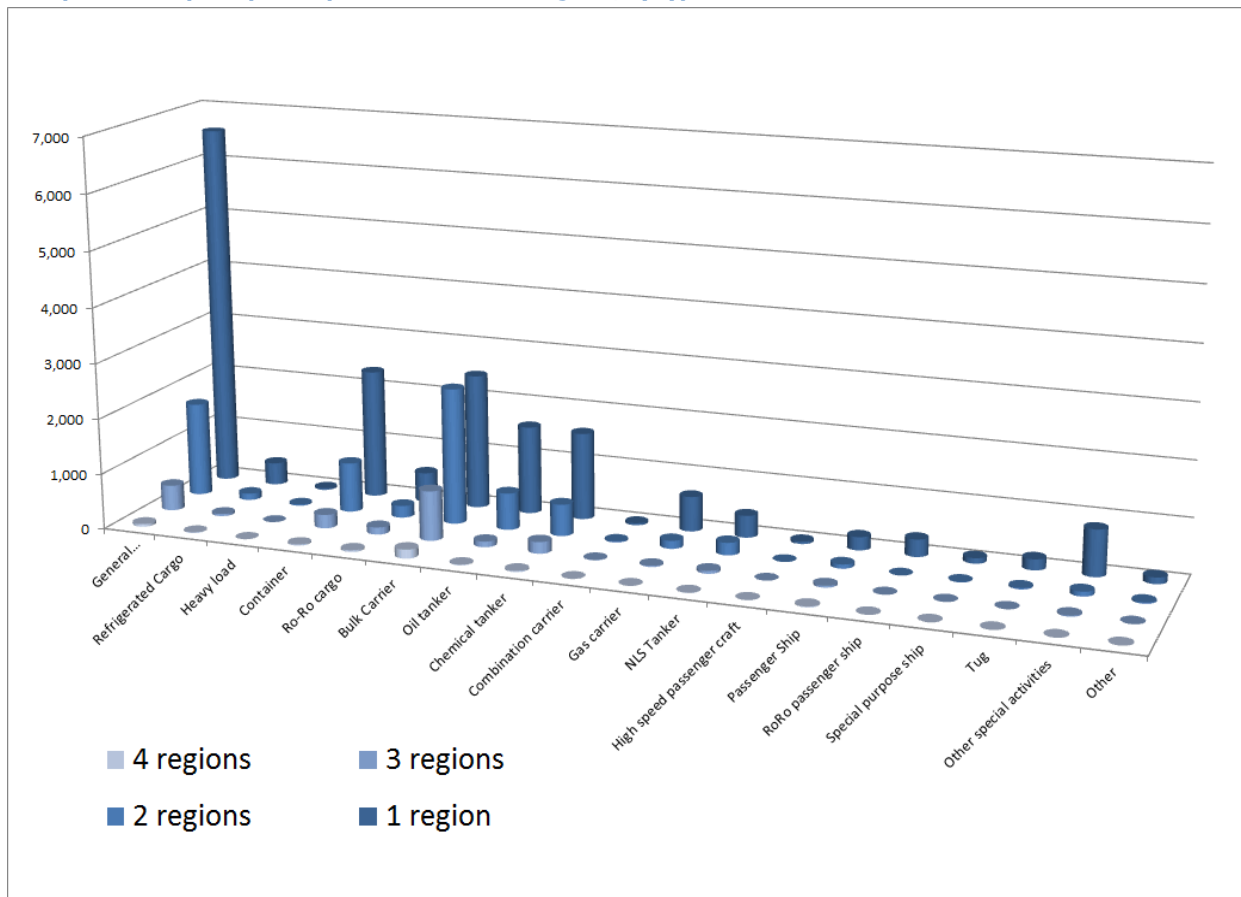
## INSPECTIONS IN MORE THAN ONE REGION (2011)

Table 113 - 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	
General cargo/Multipurpose	6,573	34.6%	1,703	23.3%	458	20.7%	48	15.0%
Refrigerated Cargo	405	2.1%	118	1.6%	39	1.8%	9	2.8%
Heavy load	31	0.2%	23	0.3%	1	0.0%		
Container	2,336	12.3%	902	12.3%	246	11.1%	21	6.5%
Ro-Ro cargo	533	2.8%	216	3.0%	128	5.8%	31	9.7%
Bulk Carrier	2,448	12.9%	2,467	33.8%	899	40.6%	161	50.2%
Oil tanker	1,598	8.4%	668	9.1%	102	4.6%	9	2.8%
Chemical tanker	1,580	8.3%	574	7.9%	210	9.5%	21	6.5%
Combination carrier	37	0.2%	21	0.3%	6	0.3%	1	0.3%
Gas carrier	632	3.3%	146	2.0%	20	0.9%	1	0.3%
NLS Tanker	399	2.1%	226	3.1%	52	2.3%	3	0.9%
High speed passenger craft	43	0.2%	2	0.0%				
Passenger Ship	241	1.3%	75	1.0%	33	1.5%	15	4.7%
RoRo passenger ship	314	1.7%	1	0.0%	1	0.0%		
Special purpose ship	96	0.5%	8	0.1%	1	0.0%		
Tug	195	1.0%	26	0.4%				
Other special activities	838	4.4%	83	1.1%	19	0.9%	1	0.3%
Other	116	0.6%	24	0.3%	1	0.0%		
<b>Total</b>	<b>19,005</b>	<b>100%</b>	<b>7,304</b>	<b>100%</b>	<b>2,217</b>	<b>100%</b>	<b>321</b>	<b>100%</b>

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, US Coast Guard

Graph 105 -Ships inspected per number of PSC regions, by type





## MEDIUM SHIPS

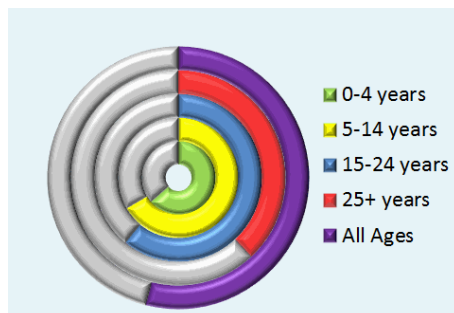
Table 116 - Total number of medium ships with and without inspections, by PSC type and age

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	2,043	1,684	82.4%	2,344	1,937	82.6%	2,592	1,876	72.4%	5,453	2,818	51.7%	12,432	8,315	66.9%
Refrigerated Cargo	25	24	96.0%	91	84	92.3%	306	279	91.2%	415	249	60.0%	837	636	76.0%
Heavy load	24	16	66.7%	15	15	100.0%	3	3	100.0%	16	13	81.3%	58	47	81.0%
Container	534	478	89.5%	901	818	90.8%	568	489	86.1%	223	85	38.1%	2,226	1,870	84.0%
Ro-Ro cargo	217	29	13.4%	496	128	25.8%	511	130	25.4%	977	161	16.5%	2,201	448	20.4%
Bulk Carrier	835	717	85.9%	463	436	94.2%	327	289	88.4%	1,019	775	76.1%	2,644	2,217	83.9%
Oil tanker	602	260	43.2%	536	254	47.4%	854	245	28.7%	1,488	173	11.6%	3,480	932	26.8%
Chemical tanker	1,162	955	82.2%	974	864	88.7%	519	370	71.3%	443	137	30.9%	3,098	2,326	75.1%
Combination carrier	7	7	100.0%	9	9	100.0%	5	3	60.0%	28	15	53.6%	49	34	69.4%
Gas carrier	248	179	72.2%	229	156	68.1%	277	190	68.6%	236	64	27.1%	990	589	59.5%
NLS Tanker	75	75	100.0%	61	61	100.0%	26	26	100.0%	33	25	75.8%	195	187	95.9%
High speed passenger craft	3	3	100.0%	24	24	100.0%	12	12	100.0%				39	39	100.0%
Passenger Ship	71	7	9.9%	170	20	11.8%	194	45	23.2%	283	69	24.4%	718	141	19.6%
RoRo passenger ship	8	8	100.0%	34	34	100.0%	38	38	100.0%	98	98	100.0%	178	178	100.0%
Offshore supply	1,479	357	24.1%	943	241	25.6%	159	58	36.5%	1,370	239	17.4%	3,951	895	22.7%
Special purpose ship	30	18	60.0%	44	29	65.9%	61	23	37.7%	219	38	17.4%	354	108	30.5%
Tug	195	52	26.7%	142	30	21.1%	89	9	10.1%	422	36	8.5%	848	127	15.0%
Other special activities	370	188	50.8%	383	112	29.2%	339	125	36.9%	1,119	318	28.4%	2,211	743	33.6%
Other	43	12	27.9%	55	14	25.5%	103	43	41.7%	217	44	20.3%	418	113	27.0%
<b>Total</b>	<b>7,971</b>	<b>5,069</b>	<b>64%</b>	<b>7,914</b>	<b>5,266</b>	<b>67%</b>	<b>6,983</b>	<b>4,253</b>	<b>61%</b>	<b>14,059</b>	<b>5,357</b>	<b>38%</b>	<b>36,927</b>	<b>19,945</b>	<b>54%</b>

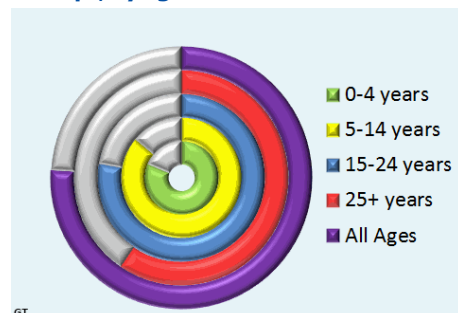
Table 117 - Gross tonnage (in 1000 t) of medium ships with and without inspections, by PSC type and age

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	15,313	13,903	90.8%	14,504	13,606	93.8%	10,640	9,073	85.3%	18,873	12,392	65.7%	59,331	48,974	82.5%
Refrigerated Cargo	237	233	98.3%	678	662	97.7%	2,058	2,014	97.8%	1,575	1,260	80.0%	4,548	4,168	91.6%
Heavy load	335	223	66.6%	153	153	100.0%	21	21	100.0%	203	178	87.6%	712	575	80.7%
Container	6,776	6,340	93.6%	10,814	10,259	94.9%	6,437	5,667	88.0%	1,981	914	46.1%	26,009	23,180	89.1%
Ro-Ro cargo	1,283	406	31.6%	3,793	1,896	50.0%	3,138	1,508	48.1%	4,357	1,461	33.5%	12,571	5,272	41.9%
Bulk Carrier	13,316	11,561	86.8%	7,165	6,990	97.6%	5,379	4,827	89.7%	17,363	13,519	77.9%	43,223	36,897	85.4%
Oil tanker	3,083	1,817	58.9%	3,991	2,993	75.0%	3,548	1,635	46.1%	3,713	573	15.4%	14,335	7,018	49.0%
Chemical tanker	10,299	9,085	88.2%	8,635	8,202	95.0%	2,941	2,486	84.5%	1,765	806	45.6%	23,641	20,579	87.0%
Combination carrier	82	82	100.0%	87	87	100.0%	42	37	87.6%	91	39	43.2%	303	246	81.2%
Gas carrier	1,984	1,664	83.9%	1,381	1,126	81.6%	1,339	1,067	79.7%	662	272	41.0%	5,366	4,128	76.9%
NLS Tanker	743	743	100.0%	789	789	100.0%	198	198	100.0%	136	128	94.1%	1,865	1,857	99.6%
High speed passenger craft	29	29	100.0%	125	125	100.0%	61	61	100.0%				214	214	100.0%
Passenger Ship	101	29	28.9%	423	166	39.3%	686	384	56.0%	993	622	62.6%	2,203	1,201	54.5%
RoRo passenger ship	100	100	100.0%	489	489	100.0%	548	548	100.0%	1,201	1,201	100.0%	2,338	2,338	100.0%
Offshore supply	3,703	1,117	30.2%	2,146	719	33.5%	363	146	40.3%	1,698	378	22.3%	7,910	2,361	29.8%
Special purpose ship	263	130	49.5%	250	192	76.9%	357	142	39.6%	681	179	26.2%	1,551	642	41.4%
Tug	228	81	35.3%	184	65	35.5%	93	17	18.0%	379	40	10.6%	885	203	23.0%
Other special activities	1,977	1,248	63.1%	1,442	728	50.5%	1,143	609	53.2%	2,897	1,004	34.6%	7,459	3,589	48.1%
Other	337	75	22.3%	342	142	41.7%	440	258	58.5%	700	324	46.3%	1,819	799	43.9%
<b>Total</b>	<b>60,191</b>	<b>48,868</b>	<b>81%</b>	<b>57,389</b>	<b>49,389</b>	<b>86%</b>	<b>39,434</b>	<b>30,697</b>	<b>78%</b>	<b>59,268</b>	<b>35,289</b>	<b>60%</b>	<b>216,282</b>	<b>164,242</b>	<b>76%</b>

Graph 108 - Proportion of medium inspected ships, by age



Graph 109 - Proportion of gross tonnage for medium inspected ships, by age





## LARGE SHIPS

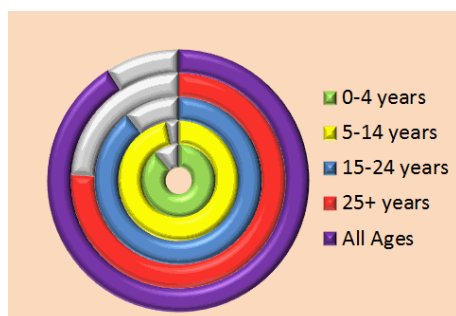
Table 118 - Total number of large ships with and without inspections, by PSC type and age

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	523	522	99.8%	498	498	100.0%	251	251	100.0%	124	122	98.4%	1,396	1,393	99.8%
Refrigerated Cargo				1	1	100.0%							1	1	100.0%
Heavy load	2	1	50.0%				7	7	100.0%	12	12	100.0%	21	20	95.2%
Container	412	388	94.2%	604	581	96.2%	224	210	93.8%	83	61	73.5%	1,323	1,240	93.7%
Ro-Ro cargo	167	158	94.6%	184	165	89.7%	80	75	93.8%	48	44	91.7%	479	442	92.3%
Bulk Carrier	1,411	1,137	80.6%	1,148	1,141	99.4%	514	455	88.5%	334	249	74.6%	3,407	2,982	87.5%
Oil tanker	452	415	91.8%	607	568	93.6%	223	157	70.4%	35	6	17.1%	1,317	1,146	87.0%
Chemical tanker	322	295	91.6%	216	198	91.7%	35	32	91.4%	15	10	66.7%	588	535	91.0%
Combination carrier	11	11	100.0%	8	8	100.0%	8	8	100.0%				27	27	100.0%
Gas carrier	67	63	94.0%	49	49	100.0%	36	30	83.3%	17	11	64.7%	169	153	90.5%
NLS Tanker	132	132	100.0%	182	182	100.0%	44	44	100.0%	2	2	100.0%	360	360	100.0%
High speed passenger craft															
Passenger Ship	4	4	100.0%	25	25	100.0%	21	21	100.0%	19	18	94.7%	69	68	98.6%
RoRo passenger ship	37	37	100.0%	60	60	100.0%	49	49	100.0%	15	15	100.0%	161	161	100.0%
Offshore supply	4	1	25.0%	1		0.0%	1	1	100.0%	3		0.0%	9	2	22.2%
Special purpose ship	5	1	20.0%	1	1	100.0%	2	1	50.0%	4	2	50.0%	12	5	41.7%
Tug															
Other special activities	80	63	78.8%	28	16	57.1%	26	20	76.9%	19	4	21.1%	153	103	67.3%
Other	19	17	89.5%	10	8	80.0%	9	7	77.8%	10	6	60.0%	48	38	79.2%
<b>Total</b>	<b>3,648</b>	<b>3,245</b>	<b>89%</b>	<b>3,622</b>	<b>3,501</b>	<b>97%</b>	<b>1,530</b>	<b>1,368</b>	<b>89%</b>	<b>740</b>	<b>562</b>	<b>76%</b>	<b>9,540</b>	<b>8,676</b>	<b>91%</b>

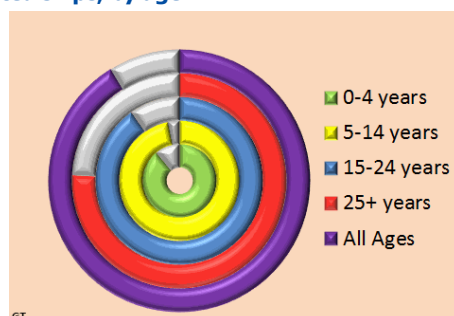
Table 119 - Gross tonnage (in 1000 t) of large ships with and without inspections, by PSC type and age

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	20,165	20,128	99.8%	17,944	17,944	100.0%	9,406	9,406	100.0%	3,950	3,893	98.5%	51,465	51,371	99.8%
Refrigerated Cargo				33	33	100.0%							33	33	100.0%
Heavy load	78	36	45.9%				266	266	100.0%	413	413	100.0%	756	714	94.4%
Container	16,034	15,015	93.6%	22,203	21,471	96.7%	9,193	8,723	94.9%	2,980	2,206	74.0%	50,410	47,415	94.1%
Ro-Ro cargo	7,864	7,574	96.3%	8,634	8,042	93.1%	3,483	3,328	95.5%	1,992	1,883	94.5%	21,973	20,828	94.8%
Bulk Carrier	53,387	43,211	80.9%	40,532	40,317	99.5%	17,532	15,653	89.3%	11,291	8,427	74.6%	122,743	107,608	87.7%
Oil tanker	18,597	16,946	91.1%	25,950	24,572	94.7%	8,983	6,631	73.8%	1,361	243	17.8%	54,890	48,391	88.2%
Chemical tanker	9,500	8,696	91.5%	6,205	5,697	91.8%	1,095	963	88.0%	495	350	70.7%	17,295	15,706	90.8%
Combination carrier	325	325	100.0%	228	228	100.0%	333	333	100.0%				885	885	100.0%
Gas carrier	3,068	2,880	93.9%	2,126	2,126	100.0%	1,541	1,280	83.1%	732	470	64.2%	7,467	6,756	90.5%
NLS Tanker	4,616	4,616	100.0%	7,006	7,006	100.0%	2,126	2,126	100.0%	65	65	100.0%	13,813	13,813	100.0%
High speed passenger craft															
Passenger Ship	133	133	100.0%	950	950	100.0%	985	985	100.0%	687	651	94.9%	2,754	2,719	98.7%
RoRo passenger ship	1,287	1,287	100.0%	2,188	2,188	100.0%	1,649	1,649	100.0%	479	479	100.0%	5,603	5,603	100.0%
Offshore supply	114	26	22.6%	34		0.0%	56	56	100.0%	94		0.0%	299	82	27.4%
Special purpose ship	204	47	23.3%	56	56	100.0%	72	43	58.9%	141	78	55.1%	473	224	47.3%
Tug															
Other special activities	3,406	2,510	73.7%	1,167	588	50.4%	1,088	786	72.3%	705	131	18.6%	6,365	4,015	63.1%
Other	745	659	88.5%	353	259	73.2%	388	313	80.6%	356	237	66.6%	1,841	1,467	79.7%
<b>Total</b>	<b>139,522</b>	<b>124,089</b>	<b>89%</b>	<b>135,609</b>	<b>131,475</b>	<b>97%</b>	<b>58,195</b>	<b>52,540</b>	<b>90%</b>	<b>25,742</b>	<b>19,527</b>	<b>76%</b>	<b>359,067</b>	<b>327,631</b>	<b>91%</b>

Graph 110 - Proportion of large inspected ships, by age



Graph 111 - Proportion of gross tonnage for large inspected ships, by age



## VERY LARGE SHIPS

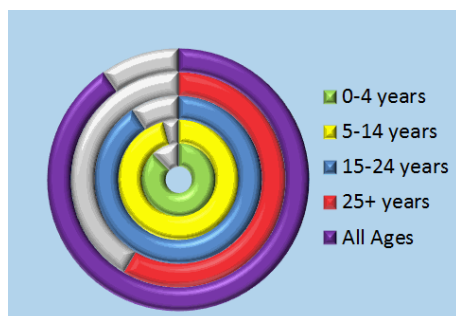
Table 120 - Total number of very large ships with and without inspections, by age and size

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	36	36	100.0%	63	63	100.0%	11	11	100.0%				110	110	100.0%
Refrigerated Cargo															
Heavy load															
Container	388	373	96.1%	367	366	99.7%	33	33	100.0%				788	772	98.0%
Ro-Ro cargo	69	69	100.0%	47	45	95.7%	2	2	100.0%	3	3	100.0%	121	119	98.3%
Bulk Carrier	652	548	84.0%	333	333	100.0%	292	280	95.9%	41	38	92.7%	1,318	1,199	91.0%
Oil tanker	519	434	83.6%	472	442	93.6%	126	107	84.9%	9		0.0%	1,126	983	87.3%
Chemical tanker	1	1	100.0%										1	1	100.0%
Combination carrier	5	4	80.0%	8	8	100.0%	5	5	100.0%				18	17	94.4%
Gas carrier	140	122	87.1%	107	89	83.2%	29	17	58.6%	27	23	85.2%	303	251	82.8%
NLS Tanker	98	98	100.0%	144	144	100.0%	40	40	100.0%	4	4	100.0%	286	286	100.0%
High speed passenger craft															
Passenger Ship	39	39	100.0%	71	70	98.6%	21	21	100.0%				131	130	99.2%
RoRo passenger ship	3	3	100.0%	1	1	100.0%							4	4	100.0%
Offshore supply	2	1	50.0%							1	1	100.0%	3	2	66.7%
Special purpose ship	2	2	100.0%				1	1	100.0%				3	3	100.0%
Tug															
Other special activities	39	17	43.6%	16	1	6.3%	12	2	16.7%	38	3	7.9%	105	23	21.9%
Other	4	2	50.0%										4	2	50.0%
<b>Total</b>	<b>1,997</b>	<b>1,749</b>	<b>88%</b>	<b>1,629</b>	<b>1,562</b>	<b>96%</b>	<b>572</b>	<b>519</b>	<b>91%</b>	<b>123</b>	<b>72</b>	<b>59%</b>	<b>4,321</b>	<b>3,902</b>	<b>90%</b>

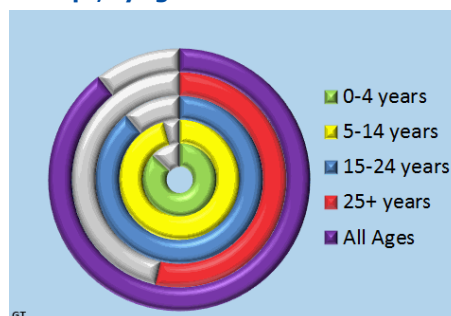
Table 121 - Gross tonnage (in 1000 t) of very large ships with and without inspections, by age and size

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	2,974	2,974	100.0%	4,599	4,599	100.0%	790	790	100.0%				8,363	8,363	100.0%
Refrigerated Cargo															
Heavy load															
Container	39,034	37,517	96.1%	29,111	29,046	99.8%	2,183	2,183	100.0%				70,328	68,745	97.7%
Ro-Ro cargo	4,500	4,500	100.0%	3,033	2,902	95.7%	140	140	100.0%	200	200	100.0%	7,873	7,742	98.3%
Bulk Carrier	62,717	52,216	83.3%	29,848	29,848	100.0%	27,597	25,935	94.0%	3,913	3,629	92.7%	124,075	111,628	90.0%
Oil tanker	52,982	42,504	80.2%	50,436	47,123	93.4%	14,965	12,902	86.2%	894		0.0%	119,277	102,529	86.0%
Chemical tanker	62	62	100.0%										62	62	100.0%
Combination carrier	749	577	77.0%	523	523	100.0%	343	343	100.0%				1,615	1,443	89.3%
Gas carrier	16,381	14,444	88.2%	10,998	9,043	82.2%	2,984	1,664	55.8%	2,424	2,035	84.0%	32,787	27,186	82.9%
NLS Tanker	12,155	12,155	100.0%	18,831	18,831	100.0%	5,358	5,358	100.0%	381	381	100.0%	36,725	36,725	100.0%
High speed passenger craft															
Passenger Ship	4,417	4,417	100.0%	6,650	6,570	98.8%	1,534	1,534	100.0%				12,601	12,521	99.4%
RoRo passenger ship	203	203	100.0%	75	75	100.0%							278	278	100.0%
Offshore supply	166	66	39.6%							89	89	100.0%	255	155	60.7%
Special purpose ship	120	120	100.0%				64	64	100.0%				185	185	100.0%
Tug															
Other special activities	3,471	1,804	52.0%	1,277	162	12.7%	1,412	150	10.6%	4,345	230	5.3%	10,504	2,346	22.3%
Other	255	121	47.3%										255	121	47.3%
<b>Total</b>	<b>200,187</b>	<b>173,680</b>	<b>87%</b>	<b>155,381</b>	<b>148,721</b>	<b>96%</b>	<b>57,369</b>	<b>51,063</b>	<b>89%</b>	<b>12,247</b>	<b>6,564</b>	<b>54%</b>	<b>425,183</b>	<b>380,028</b>	<b>89%</b>

Graph 112 - Proportion of very large inspected ships, by age



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



## 5.3. SHIPS INSPECTED BETWEEN 2009 AND 2011 – BY P&amp;I

## WHOLE FLEET

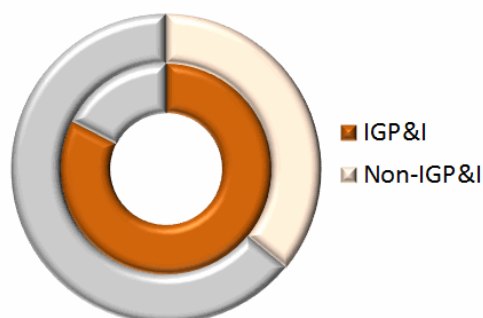
Table 122 - Total number of ships GT≥500 with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,741	5,478	95.4%	8,197	4,340	52.9%	13,938	9,818	70.4%
Refrigerated Cargo	384	380	99.0%	454	257	56.6%	838	637	76.0%
Heavy load	68	61	89.7%	11	6	54.5%	79	67	84.8%
Container	3,800	3,576	94.1%	537	306	57.0%	4,337	3,882	89.5%
Ro-Ro cargo	1,453	869	59.8%	1,348	140	10.4%	2,801	1,009	36.0%
Bulk Carrier	6,315	5,803	91.9%	1,054	595	56.5%	7,369	6,398	86.8%
Oil tanker	3,624	2,674	73.8%	2,299	387	16.8%	5,923	3,061	51.7%
Chemical tanker	2,905	2,576	88.7%	782	286	36.6%	3,687	2,862	77.6%
Combination carrier	67	65	97.0%	27	13	48.1%	94	78	83.0%
Gas carrier	1,097	917	83.6%	365	76	20.8%	1,462	993	67.9%
NLS Tanker	803	803	100.0%	38	30	78.9%	841	833	99.0%
High speed passenger craft	24	24	100.0%	15	15	100.0%	39	39	100.0%
Passenger Ship	418	298	71.3%	500	41	8.2%	918	339	36.9%
RoRo passenger ship	302	302	100.0%	41	41	100.0%	343	343	100.0%
Offshore supply	2,161	659	30.5%	1,802	240	13.3%	3,963	899	22.7%
Special purpose ship	131	89	67.9%	238	27	11.3%	369	116	31.4%
Tug	334	72	21.6%	514	55	10.7%	848	127	15.0%
Other special activities	874	555	63.5%	1,595	314	19.7%	2,469	869	35.2%
Other	148	91	61.5%	322	62	19.3%	470	153	32.6%
<b>Total</b>	<b>30,649</b>	<b>25,292</b>	<b>83%</b>	<b>20,139</b>	<b>7,231</b>	<b>36%</b>	<b>50,788</b>	<b>32,523</b>	<b>64%</b>

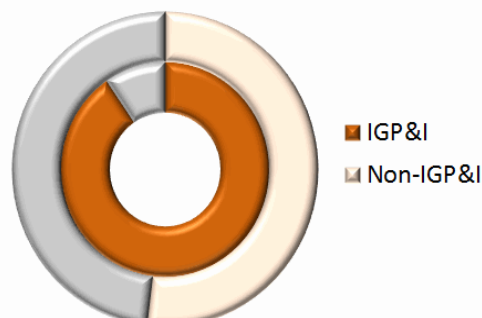
Table 123 - Gross tonnage (in 1000 t) of ships GT≥500 with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	94,564	93,095	98.4%	24,595	15,613	63.5%	119,159	108,708	91.2%
Refrigerated Cargo	3,132	3,116	99.5%	1,449	1,085	74.9%	4,581	4,201	91.7%
Heavy load	1,335	1,204	90.2%	133	85	63.7%	1,468	1,289	87.8%
Container	141,886	135,808	95.7%	4,861	3,533	72.7%	146,747	139,341	95.0%
Ro-Ro cargo	36,581	32,660	89.3%	5,836	1,182	20.3%	42,417	33,841	79.8%
Bulk Carrier	268,521	244,335	91.0%	21,519	11,798	54.8%	290,040	256,133	88.3%
Oil tanker	175,549	150,273	85.6%	12,953	7,664	59.2%	188,503	157,938	83.8%
Chemical tanker	38,284	35,008	91.4%	2,714	1,339	49.3%	40,997	36,347	88.7%
Combination carrier	2,733	2,540	93.0%	71	34	48.2%	2,803	2,574	91.8%
Gas carrier	44,892	37,834	84.3%	729	237	32.5%	45,621	38,071	83.5%
NLS Tanker	51,996	51,996	100.0%	408	400	98.0%	52,404	52,396	100.0%
High speed passenger craft	157	157	100.0%	58	58	100.0%	214	214	100.0%
Passenger Ship	16,456	16,194	98.4%	1,102	247	22.4%	17,558	16,441	93.6%
RoRo passenger ship	7,703	7,703	100.0%	515	515	100.0%	8,219	8,219	100.0%
Offshore supply	5,542	2,120	38.3%	2,923	477	16.3%	8,464	2,598	30.7%
Special purpose ship	1,247	894	71.7%	962	157	16.3%	2,209	1,051	47.6%
Tug	396	138	34.9%	488	65	13.3%	885	203	23.0%
Other special activities	18,370	8,855	48.2%	5,959	1,095	18.4%	24,328	9,950	40.9%
Other	2,783	2,059	74.0%	1,132	328	29.0%	3,916	2,387	61.0%
<b>Total</b>	<b>912,128</b>	<b>825,989</b>	<b>91%</b>	<b>88,404</b>	<b>45,912</b>	<b>52%</b>	<b>1,000,532</b>	<b>871,901</b>	<b>87%</b>

Graph 114 - Proportion of inspected ships GT≥500, by P&amp;I status



Graph 115 - Proportion of gross tonnage for inspected ships GT≥500, by P&amp;I status



GT

## MEDIUM SHIPS

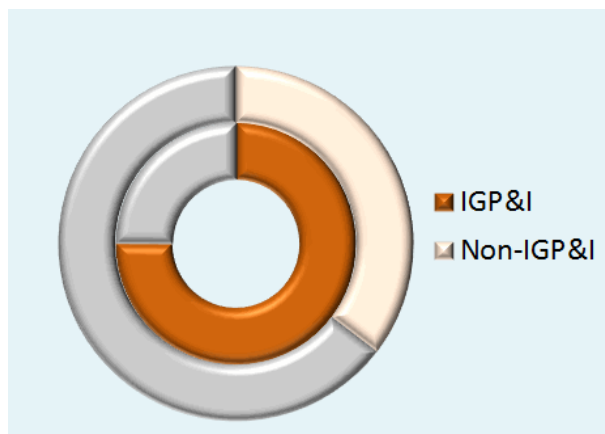
Table 124 - Total number of medium ships with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	4,250	3,990	93.9%	8,182	4,325	52.9%	12,432	8,315	66.9%
Refrigerated Cargo	383	379	99.0%	454	257	56.6%	837	636	76.0%
Heavy load	48	42	87.5%	10	5	50.0%	58	47	81.0%
Container	1,717	1,589	92.5%	509	281	55.2%	2,226	1,870	84.0%
Ro-Ro cargo	859	312	36.3%	1,342	136	10.1%	2,201	448	20.4%
Bulk Carrier	1,919	1,783	92.9%	725	434	59.9%	2,644	2,217	83.9%
Oil tanker	1,264	606	47.9%	2,216	326	14.7%	3,480	932	26.8%
Chemical tanker	2,326	2,047	88.0%	772	279	36.1%	3,098	2,326	75.1%
Combination carrier	22	21	95.5%	27	13	48.1%	49	34	69.4%
Gas carrier	627	514	82.0%	363	75	20.7%	990	589	59.5%
NLS Tanker	162	162	100.0%	33	25	75.8%	195	187	95.9%
High speed passenger craft	24	24	100.0%	15	15	100.0%	39	39	100.0%
Passenger Ship	219	101	46.1%	499	40	8.0%	718	141	19.6%
RoRo passenger ship	143	143	100.0%	35	35	100.0%	178	178	100.0%
Offshore supply	2,155	656	30.4%	1,796	239	13.3%	3,951	895	22.7%
Special purpose ship	121	82	67.8%	233	26	11.2%	354	108	30.5%
Tug	334	72	21.6%	514	55	10.7%	848	127	15.0%
Other special activities	651	432	66.4%	1,560	311	19.9%	2,211	743	33.6%
Other	102	54	52.9%	316	59	18.7%	418	113	27.0%
<b>Total</b>	<b>17,326</b>	<b>13,009</b>	<b>75%</b>	<b>19,601</b>	<b>6,936</b>	<b>35%</b>	<b>36,927</b>	<b>19,945</b>	<b>54%</b>

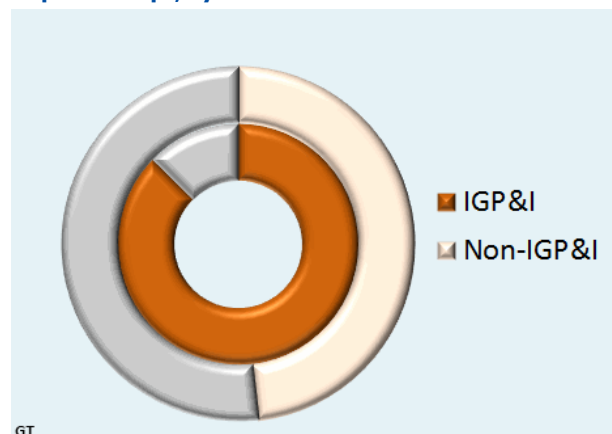
Table 125 - Gross tonnage (in 1000 t) of medium ships with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	35,287	33,912	96.1%	24,043	15,062	62.6%	59,331	48,974	82.5%
Refrigerated Cargo	3,099	3,083	99.5%	1,449	1,085	74.9%	4,548	4,168	91.6%
Heavy load	618	529	85.6%	94	46	48.9%	712	575	80.7%
Container	22,493	20,890	92.9%	3,515	2,290	65.1%	26,009	23,180	89.1%
Ro-Ro cargo	6,928	4,230	61.1%	5,643	1,042	18.5%	12,571	5,272	41.9%
Bulk Carrier	33,196	30,911	93.1%	10,027	5,986	59.7%	43,223	36,897	85.4%
Oil tanker	9,185	5,819	63.4%	5,150	1,199	23.3%	14,335	7,018	49.0%
Chemical tanker	21,212	19,431	91.6%	2,429	1,148	47.3%	23,641	20,579	87.0%
Combination carrier	232	212	91.3%	71	34	48.2%	303	246	81.2%
Gas carrier	4,727	3,936	83.3%	640	192	30.0%	5,366	4,128	76.9%
NLS Tanker	1,755	1,755	100.0%	110	102	92.7%	1,865	1,857	99.6%
High speed passenger craft	157	157	100.0%	58	58	100.0%	214	214	100.0%
Passenger Ship	1,129	983	87.0%	1,073	218	20.3%	2,203	1,201	54.5%
RoRo passenger ship	2,021	2,021	100.0%	317	317	100.0%	2,338	2,338	100.0%
Offshore supply	5,280	1,949	36.9%	2,630	412	15.7%	7,910	2,361	29.8%
Special purpose ship	801	549	68.6%	750	93	12.4%	1,551	642	41.4%
Tug	396	138	34.9%	488	65	13.3%	885	203	23.0%
Other special activities	3,561	2,648	74.3%	3,898	941	24.1%	7,459	3,589	48.1%
Other	857	559	65.3%	962	240	25.0%	1,819	799	43.9%
<b>Total</b>	<b>152,936</b>	<b>133,712</b>	<b>87%</b>	<b>63,345</b>	<b>30,529</b>	<b>48%</b>	<b>216,282</b>	<b>164,242</b>	<b>76%</b>

Graph 116 - Proportion of medium inspected ships, by P&amp;I status



Graph 117 - Proportion of gross tonnage for medium inspected ships, by P&amp;I status



## LARGE SHIPS

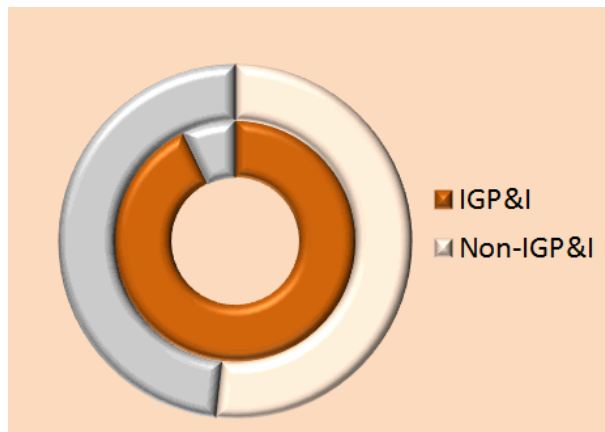
Table 126 - Total number of large ships with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	1,382	1,379	99.8%	14	14	100.0%	1,396	1,393	99.8%
Refrigerated Cargo	1	1	100.0%				1	1	100.0%
Heavy load	20	19	95.0%	1	1	100.0%	21	20	95.2%
Container	1,303	1,223	93.9%	20	17	85.0%	1,323	1,240	93.7%
Ro-Ro cargo	473	438	92.6%	6	4	66.7%	479	442	92.3%
Bulk Carrier	3,088	2,828	91.6%	319	154	48.3%	3,407	2,982	87.5%
Oil tanker	1,283	1,128	87.9%	34	18	52.9%	1,317	1,146	87.0%
Chemical tanker	578	528	91.3%	10	7	70.0%	588	535	91.0%
Combination carrier	27	27	100.0%				27	27	100.0%
Gas carrier	167	152	91.0%	2	1	50.0%	169	153	90.5%
NLS Tanker	356	356	100.0%	4	4	100.0%	360	360	100.0%
High speed passenger craft									
Passenger Ship	68	67	98.5%	1	1	100.0%	69	68	98.6%
RoRo passenger ship	155	155	100.0%	6	6	100.0%	161	161	100.0%
Offshore supply	5	2	40.0%	4		0.0%	9	2	22.2%
Special purpose ship	8	5	62.5%	4		0.0%	12	5	41.7%
Tug									
Other special activities	138	102	73.9%	15	1	6.7%	153	103	67.3%
Other	42	35	83.3%	6	3	50.0%	48	38	79.2%
<b>Total</b>	<b>9,094</b>	<b>8,445</b>	<b>93%</b>	<b>446</b>	<b>231</b>	<b>52%</b>	<b>9,540</b>	<b>8,676</b>	<b>91%</b>

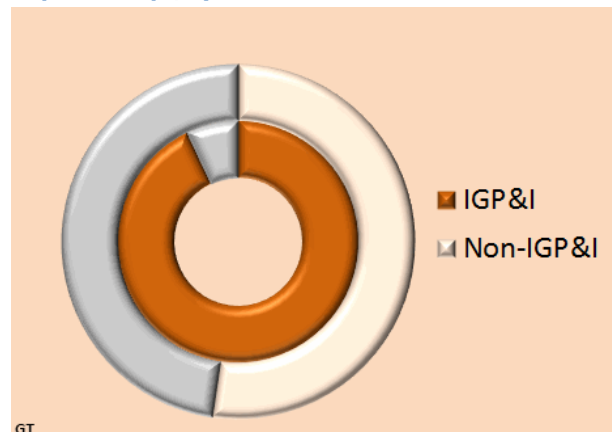
Table 127 - Gross tonnage (in 1000 t) of large ships with and without inspections, by PSC type and P&amp;I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	51,006	50,911	99.8%	460	460	100.0%	51,465	51,371	99.8%
Refrigerated Cargo	33	33	100.0%				33	33	100.0%
Heavy load	718	676	94.1%	39	39	100.0%	756	714	94.4%
Container	49,671	46,779	94.2%	739	636	86.1%	50,410	47,415	94.1%
Ro-Ro cargo	21,780	20,688	95.0%	193	140	72.5%	21,973	20,828	94.8%
Bulk Carrier	112,078	102,399	91.4%	10,665	5,209	48.8%	122,743	107,608	87.7%
Oil tanker	53,519	47,583	88.9%	1,371	808	58.9%	54,890	48,391	88.2%
Chemical tanker	17,010	15,515	91.2%	285	191	67.0%	17,295	15,706	90.8%
Combination carrier	885	885	100.0%				885	885	100.0%
Gas carrier	7,378	6,711	91.0%	89	45	50.5%	7,467	6,756	90.5%
NLS Tanker	13,675	13,675	100.0%	138	138	100.0%	13,813	13,813	100.0%
High speed passenger craft									
Passenger Ship	2,726	2,690	98.7%	29	29	100.0%	2,754	2,719	98.7%
RoRo passenger ship	5,404	5,404	100.0%	199	199	100.0%	5,603	5,603	100.0%
Offshore supply	172	82	47.6%	127		0.0%	299	82	27.4%
Special purpose ship	326	224	68.8%	148		0.0%	473	224	47.3%
Tug									
Other special activities	5,707	3,981	69.8%	658	34	5.2%	6,365	4,015	63.1%
Other	1,671	1,379	82.5%	170	88	51.8%	1,841	1,467	79.7%
<b>Total</b>	<b>343,758</b>	<b>319,616</b>	<b>93%</b>	<b>15,310</b>	<b>8,015</b>	<b>52%</b>	<b>359,067</b>	<b>327,631</b>	<b>91%</b>

Graph 118 - Proportion of large inspected ships, by P&amp;I status



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



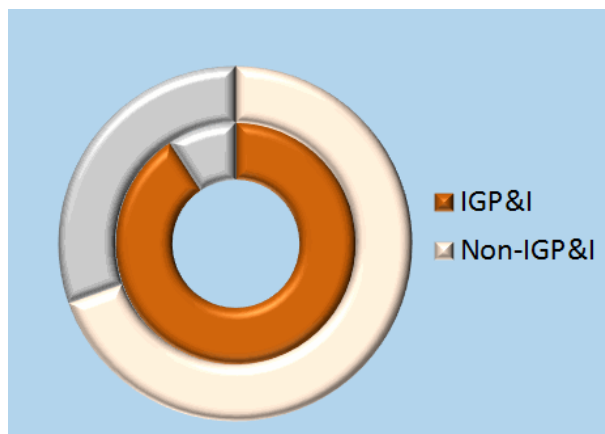
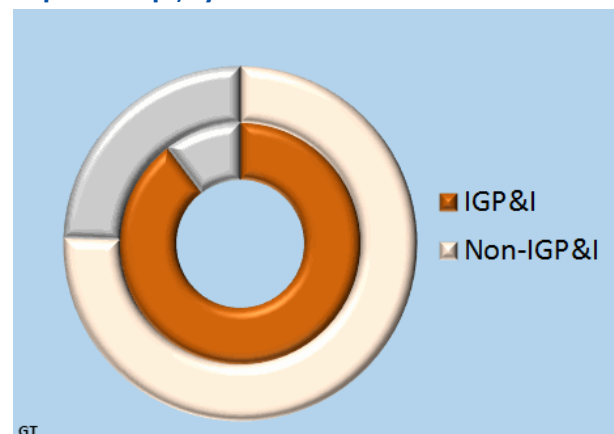
## VERY LARGE SHIPS

**Table 128 - 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	109	109	100.0%	1	1	100.0%	110	110	100.0%
Refrigerated Cargo									
Heavy load									
Container	780	764	97.9%	8	8	100.0%	788	772	98.0%
Ro-Ro cargo	121	119	98.3%				121	119	98.3%
Bulk Carrier	1,308	1,192	91.1%	10	7	70.0%	1,318	1,199	91.0%
Oil tanker	1,077	940	87.3%	49	43	87.8%	1,126	983	87.3%
Chemical tanker	1	1	100.0%				1	1	100.0%
Combination carrier	18	17	94.4%				18	17	94.4%
Gas carrier	303	251	82.8%				303	251	82.8%
NLS Tanker	285	285	100.0%	1	1	100.0%	286	286	100.0%
High speed passenger craft									
Passenger Ship	131	130	99.2%				131	130	99.2%
RoRo passenger ship	4	4	100.0%				4	4	100.0%
Offshore supply	1	1	100.0%	2	1	50.0%	3	2	66.7%
Special purpose ship	2	2	100.0%	1	1	100.0%	3	3	100.0%
Tug									
Other special activities	85	21	24.7%	20	2	10.0%	105	23	21.9%
Other	4	2	50.0%				4	2	50.0%
<b>Total</b>	<b>4,229</b>	<b>3,838</b>	<b>91%</b>	<b>92</b>	<b>64</b>	<b>70%</b>	<b>4,321</b>	<b>3,902</b>	<b>90%</b>

**Table 129 - Gross tonnage (in 1000 t) 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	8,271	8,271	100.0%	91	91	100.0%	8,363	8,363	100.0%
Refrigerated Cargo									
Heavy load									
Container	69,721	68,138	97.7%	607	607	100.0%	70,328	68,745	97.7%
Ro-Ro cargo	7,873	7,742	98.3%				7,873	7,742	98.3%
Bulk Carrier	123,248	111,026	90.1%	827	602	72.8%	124,075	111,628	90.0%
Oil tanker	112,845	96,871	85.8%	6,432	5,658	88.0%	119,277	102,529	86.0%
Chemical tanker	62	62	100.0%				62	62	100.0%
Combination carrier	1,615	1,443	89.3%				1,615	1,443	89.3%
Gas carrier	32,787	27,186	82.9%				32,787	27,186	82.9%
NLS Tanker	36,566	36,566	100.0%	159	159	100.0%	36,725	36,725	100.0%
High speed passenger craft									
Passenger Ship	12,601	12,521	99.4%				12,601	12,521	99.4%
RoRo passenger ship	278	278	100.0%				278	278	100.0%
Offshore supply	89	89	100.0%	166	66	39.6%	255	155	60.7%
Special purpose ship	120	120	100.0%	64	64	100.0%	185	185	100.0%
Tug									
Other special activities	9,102	2,226	24.5%	1,402	120	8.6%	10,504	2,346	22.3%
Other	255	121	47.3%				255	121	47.3%
<b>Total</b>	<b>415,435</b>	<b>372,661</b>	<b>90%</b>	<b>9,749</b>	<b>7,368</b>	<b>76%</b>	<b>425,183</b>	<b>380,028</b>	<b>89%</b>

**Graph 120 - Proportion of very large inspected ships, by P&I status****Graph 121 - Proportion of gross tonnage for very large inspected ships, by P&I status**

## 5.4. SHIPS INSPECTED BETWEEN 2009 AND 2011 – BY FLAG

## WHOLE FLEET

Table 130 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags		Non Targeted Flags		All Flags				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	6,823	4,890	71.7%	7,115	4,928	69.3%	13,938	9,818	70.4%
Refrigerated Cargo	331	262	79.2%	507	375	74.0%	838	637	76.0%
Heavy load	21	19	90.5%	58	48	82.8%	79	67	84.8%
Container	1,171	1,035	88.4%	3,166	2,847	89.9%	4,337	3,882	89.5%
Ro-Ro cargo	977	473	48.4%	1,824	536	29.4%	2,801	1,009	36.0%
Bulk Carrier	3,408	3,214	94.3%	3,961	3,184	80.4%	7,369	6,398	86.8%
Oil tanker	1,954	939	48.1%	3,969	2,122	53.5%	5,923	3,061	51.7%
Chemical tanker	1,393	1,129	81.0%	2,294	1,733	75.5%	3,687	2,862	77.6%
Combination carrier	10	10	100.0%	84	68	81.0%	94	78	83.0%
Gas carrier	439	308	70.2%	1,023	685	67.0%	1,462	993	67.9%
NLS Tanker	205	198	96.6%	636	635	99.8%	841	833	99.0%
High speed passenger craft	16	16	100.0%	23	23	100.0%	39	39	100.0%
Passenger Ship	284	117	41.2%	634	222	35.0%	918	339	36.9%
RoRo passenger ship	110	110	100.0%	233	233	100.0%	343	343	100.0%
Offshore supply	942	225	23.9%	3,021	674	22.3%	3,963	899	22.7%
Special purpose ship	115	29	25.2%	254	87	34.3%	369	116	31.4%
Tug	141	30	21.3%	707	97	13.7%	848	127	15.0%
Other special activities	644	319	49.5%	1,825	550	30.1%	2,469	869	35.2%
Other	173	70	40.5%	297	83	27.9%	470	153	32.6%
<b>Total</b>	<b>19,157</b>	<b>13,393</b>	<b>70%</b>	<b>31,631</b>	<b>19,130</b>	<b>60%</b>	<b>50,788</b>	<b>32,523</b>	<b>64%</b>

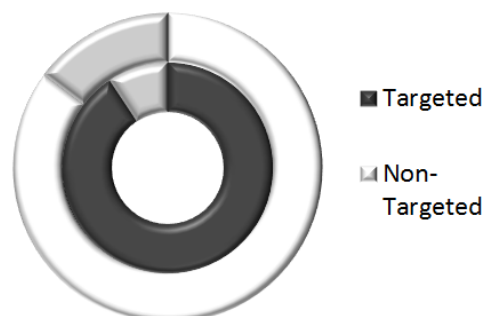
Table 131 - Gross tonnage (in 1000 t) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags		Non Targeted Flags		All Flags				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	50,355	46,149	91.6%	68,804	62,559	90.9%	119,159	108,708	91.2%
Refrigerated Cargo	1,578	1,416	89.7%	3,003	2,785	92.7%	4,581	4,201	91.7%
Heavy load	495	479	96.7%	973	810	83.3%	1,468	1,289	87.8%
Container	38,057	37,213	97.8%	108,690	102,127	94.0%	146,747	139,341	95.0%
Ro-Ro cargo	18,122	15,734	86.8%	24,295	18,108	74.5%	42,417	33,841	79.8%
Bulk Carrier	126,963	119,167	93.9%	163,078	136,967	84.0%	290,040	256,133	88.3%
Oil tanker	51,194	43,599	85.2%	137,309	114,339	83.3%	188,503	157,938	83.8%
Chemical tanker	13,073	11,669	89.3%	27,924	24,677	88.4%	40,997	36,347	88.7%
Combination carrier	311	311	100.0%	2,492	2,263	90.8%	2,803	2,574	91.8%
Gas carrier	8,428	6,728	79.8%	37,193	31,343	84.3%	45,621	38,071	83.5%
NLS Tanker	9,483	9,476	99.9%	42,921	42,920	100.0%	52,404	52,396	100.0%
High speed passenger craft	77	77	100.0%	138	138	100.0%	214	214	100.0%
Passenger Ship	6,821	6,303	92.4%	10,737	10,138	94.4%	17,558	16,441	93.6%
RoRo passenger ship	2,339	2,339	100.0%	5,880	5,880	100.0%	8,219	8,219	100.0%
Offshore supply	1,660	488	29.4%	6,804	2,110	31.0%	8,464	2,598	30.7%
Special purpose ship	680	408	60.0%	1,529	643	42.0%	2,209	1,051	47.6%
Tug	133	34	25.2%	752	170	22.6%	885	203	23.0%
Other special activities	6,249	3,512	56.2%	18,079	6,438	35.6%	24,328	9,950	40.9%
Other	1,279	946	74.0%	2,637	1,441	54.7%	3,916	2,387	61.0%
<b>Total</b>	<b>337,296</b>	<b>306,047</b>	<b>91%</b>	<b>663,236</b>	<b>565,854</b>	<b>85%</b>	<b>1,000,532</b>	<b>871,901</b>	<b>87%</b>

Graph 122 - Proportion of inspected ships GT≥500, by flag



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



GT

## MEDIUM SHIPS

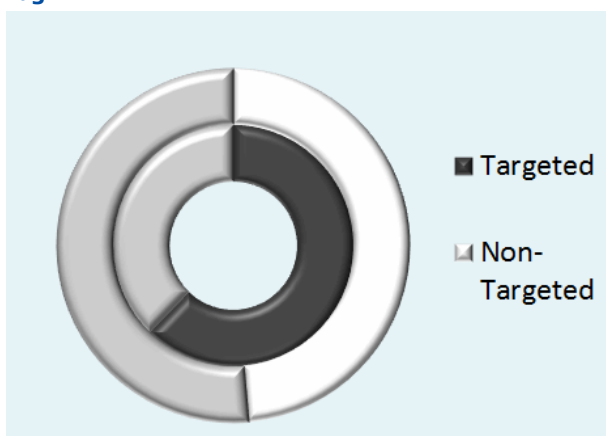
Table 132 - Total number of medium ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	6,242	4,310	69.0%	6,190	4,005	64.7%	12,432	8,315	66.9%
Refrigerated Cargo	331	262	79.2%	506	374	73.9%	837	636	76.0%
Heavy load	11	9	81.8%	47	38	80.9%	58	47	81.0%
Container	673	539	80.1%	1,553	1,331	85.7%	2,226	1,870	84.0%
Ro-Ro cargo	691	199	28.8%	1,510	249	16.5%	2,201	448	20.4%
Bulk Carrier	1,428	1,349	94.5%	1,216	868	71.4%	2,644	2,217	83.9%
Oil tanker	1,333	394	29.6%	2,147	538	25.1%	3,480	932	26.8%
Chemical tanker	1,248	995	79.7%	1,850	1,331	71.9%	3,098	2,326	75.1%
Combination carrier	4	4	100.0%	45	30	66.7%	49	34	69.4%
Gas carrier	342	226	66.1%	648	363	56.0%	990	589	59.5%
NLS Tanker	73	66	90.4%	122	121	99.2%	195	187	95.9%
High speed passenger craft	16	16	100.0%	23	23	100.0%	39	39	100.0%
Passenger Ship	207	41	19.8%	511	100	19.6%	718	141	19.6%
RoRo passenger ship	62	62	100.0%	116	116	100.0%	178	178	100.0%
Offshore supply	939	224	23.9%	3,012	671	22.3%	3,951	895	22.7%
Special purpose ship	107	23	21.5%	247	85	34.4%	354	108	30.5%
Tug	141	30	21.3%	707	97	13.7%	848	127	15.0%
Other special activities	570	272	47.7%	1,641	471	28.7%	2,211	743	33.6%
Other	157	56	35.7%	261	57	21.8%	418	113	27.0%
<b>Total</b>	<b>14,575</b>	<b>9,077</b>	<b>62%</b>	<b>22,352</b>	<b>10,868</b>	<b>49%</b>	<b>36,927</b>	<b>19,945</b>	<b>54%</b>

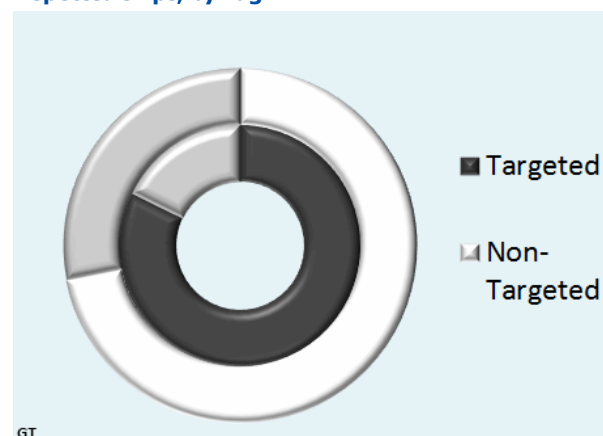
Table 133 - Gross tonnage (in 1000 t) of medium ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	27,033	22,864	84.6%	32,297	26,110	80.8%	59,331	48,974	82.5%
Refrigerated Cargo	1,578	1,416	89.7%	2,970	2,752	92.7%	4,548	4,168	91.6%
Heavy load	157	141	89.6%	555	434	78.2%	712	575	80.7%
Container	7,411	6,619	89.3%	18,597	16,561	89.1%	26,009	23,180	89.1%
Ro-Ro cargo	3,985	2,011	50.5%	8,585	3,261	38.0%	12,571	5,272	41.9%
Bulk Carrier	21,813	20,878	95.7%	21,410	16,020	74.8%	43,223	36,897	85.4%
Oil tanker	5,189	2,441	47.0%	9,146	4,577	50.0%	14,335	7,018	49.0%
Chemical tanker	8,979	7,891	87.9%	14,661	12,688	86.5%	23,641	20,579	87.0%
Combination carrier	46	46	100.0%	257	200	77.9%	303	246	81.2%
Gas carrier	1,588	1,214	76.4%	3,778	2,915	77.1%	5,366	4,128	76.9%
NLS Tanker	530	523	98.6%	1,335	1,335	99.9%	1,865	1,857	99.6%
High speed passenger craft	77	77	100.0%	138	138	100.0%	214	214	100.0%
Passenger Ship	851	368	43.2%	1,352	833	61.6%	2,203	1,201	54.5%
RoRo passenger ship	746	746	100.0%	1,591	1,591	100.0%	2,338	2,338	100.0%
Offshore supply	1,574	462	29.4%	6,336	1,899	30.0%	7,910	2,361	29.8%
Special purpose ship	340	124	36.3%	1,210	518	42.8%	1,551	642	41.4%
Tug	133	34	25.2%	752	170	22.6%	885	203	23.0%
Other special activities	1,778	1,220	68.6%	5,682	2,369	41.7%	7,459	3,589	48.1%
Other	661	433	65.5%	1,158	367	31.7%	1,819	799	43.9%
<b>Total</b>	<b>84,470</b>	<b>69,505</b>	<b>82%</b>	<b>131,811</b>	<b>94,737</b>	<b>72%</b>	<b>216,282</b>	<b>164,242</b>	<b>76%</b>

Graph 124 - Proportion of medium inspected ships, by flag



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





## LARGE SHIPS

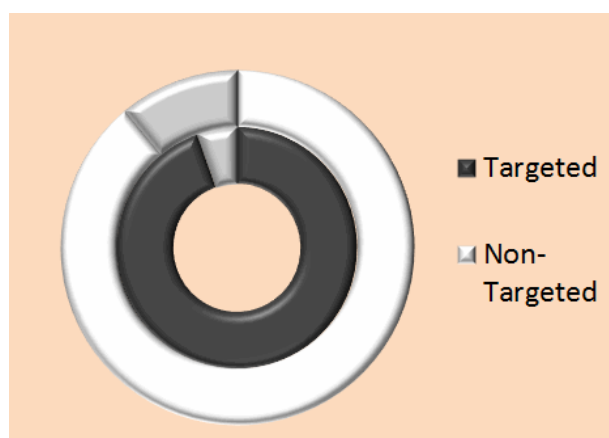
Table 134 - Total number of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	547	546	99.8%	849	847	99.8%	1,396	1,393	99.8%
Refrigerated Cargo				1	1	100.0%	1	1	100.0%
Heavy load	10	10	100.0%	11	10	90.9%	21	20	95.2%
Container	273	271	99.3%	1,050	969	92.3%	1,323	1,240	93.7%
Ro-Ro cargo	238	226	95.0%	241	216	89.6%	479	442	92.3%
Bulk Carrier	1,401	1,324	94.5%	2,006	1,658	82.7%	3,407	2,982	87.5%
Oil tanker	352	301	85.5%	965	845	87.6%	1,317	1,146	87.0%
Chemical tanker	145	134	92.4%	443	401	90.5%	588	535	91.0%
Combination carrier	4	4	100.0%	23	23	100.0%	27	27	100.0%
Gas carrier	55	50	90.9%	114	103	90.4%	169	153	90.5%
NLS Tanker	92	92	100.0%	268	268	100.0%	360	360	100.0%
High speed passenger craft									
Passenger Ship	26	25	96.2%	43	43	100.0%	69	68	98.6%
RoRo passenger ship	48	48	100.0%	113	113	100.0%	161	161	100.0%
Offshore supply	3	1	33.3%	6	1	16.7%	9	2	22.2%
Special purpose ship	7	5	71.4%	5		0.0%	12	5	41.7%
Tug									
Other special activities	50	39	78.0%	103	64	62.1%	153	103	67.3%
Other	15	14	93.3%	33	24	72.7%	48	38	79.2%
<b>Total</b>	<b>3,266</b>	<b>3,090</b>	<b>95%</b>	<b>6,274</b>	<b>5,586</b>	<b>89%</b>	<b>9,540</b>	<b>8,676</b>	<b>91%</b>

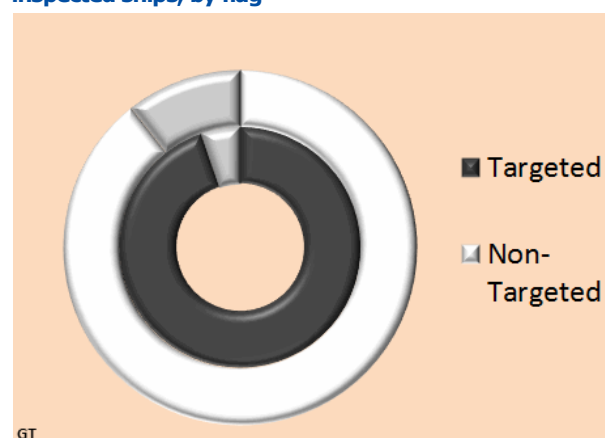
Table 135 - Gross tonnage (in 1000 t) of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	20,811	20,774	99.8%	30,654	30,597	99.8%	51,465	51,371	99.8%
Refrigerated Cargo				33	33	100.0%	33	33	100.0%
Heavy load	338	338	100.0%	418	376	90.0%	756	714	94.4%
Container	10,558	10,507	99.5%	39,852	36,908	92.6%	50,410	47,415	94.1%
Ro-Ro cargo	11,045	10,632	96.3%	10,928	10,196	93.3%	21,973	20,828	94.8%
Bulk Carrier	50,810	47,978	94.4%	71,932	59,630	82.9%	122,743	107,608	87.7%
Oil tanker	14,124	12,241	86.7%	40,766	36,150	88.7%	54,890	48,391	88.2%
Chemical tanker	4,093	3,778	92.3%	13,202	11,928	90.4%	17,295	15,706	90.8%
Combination carrier	116	116	100.0%	769	769	100.0%	885	885	100.0%
Gas carrier	2,449	2,219	90.6%	5,018	4,537	90.4%	7,467	6,756	90.5%
NLS Tanker	3,353	3,353	100.0%	10,461	10,461	100.0%	13,813	13,813	100.0%
High speed passenger craft									
Passenger Ship	1,120	1,085	96.9%	1,634	1,634	100.0%	2,754	2,719	98.7%
RoRo passenger ship	1,593	1,593	100.0%	4,010	4,010	100.0%	5,603	5,603	100.0%
Offshore supply	86	26	30.1%	213	56	26.3%	299	82	27.4%
Special purpose ship	279	224	80.3%	194		0.0%	473	224	47.3%
Tug									
Other special activities	2,148	1,603	74.7%	4,217	2,412	57.2%	6,365	4,015	63.1%
Other	544	513	94.4%	1,298	954	73.5%	1,841	1,467	79.7%
<b>Total</b>	<b>123,468</b>	<b>116,981</b>	<b>95%</b>	<b>235,599</b>	<b>210,651</b>	<b>89%</b>	<b>359,067</b>	<b>327,631</b>	<b>91%</b>

Graph 126 - Proportion of large inspected ships, by flag



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



## VERY LARGE SHIPS

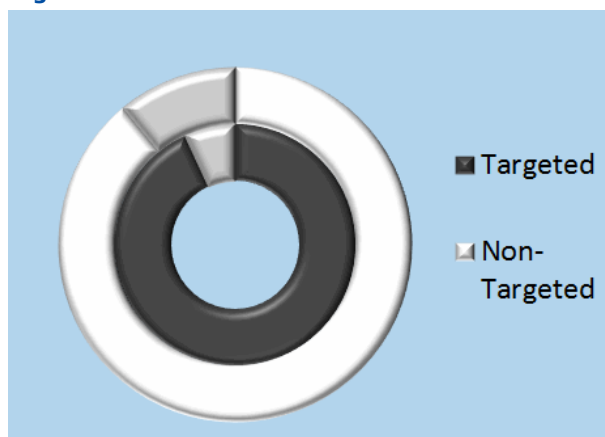
Table 136 - Total number of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	34	34	100.0%	76	76	100.0%	110	110	100.0%
Refrigerated Cargo									
Heavy load									
Container	225	225	100.0%	563	547	97.2%	788	772	98.0%
Ro-Ro cargo	48	48	100.0%	73	71	97.3%	121	119	98.3%
Bulk Carrier	579	541	93.4%	739	658	89.0%	1,318	1,199	91.0%
Oil tanker	269	244	90.7%	857	739	86.2%	1,126	983	87.3%
Chemical tanker				1	1	100.0%	1	1	100.0%
Combination carrier	2	2	100.0%	16	15	93.8%	18	17	94.4%
Gas carrier	42	32	76.2%	261	219	83.9%	303	251	82.8%
NLS Tanker	40	40	100.0%	246	246	100.0%	286	286	100.0%
High speed passenger craft									
Passenger Ship	51	51	100.0%	80	79	98.8%	131	130	99.2%
RoRo passenger ship				4	4	100.0%	4	4	100.0%
Offshore supply				3	2	66.7%	3	2	66.7%
Special purpose ship	1	1	100.0%	2	2	100.0%	3	3	100.0%
Tug									
Other special activities	24	8	33.3%	81	15	18.5%	105	23	21.9%
Other	1		0.0%	3	2	66.7%	4	2	50.0%
<b>Total</b>	<b>1,316</b>	<b>1,226</b>	<b>93%</b>	<b>3,005</b>	<b>2,676</b>	<b>89%</b>	<b>4,321</b>	<b>3,902</b>	<b>90%</b>

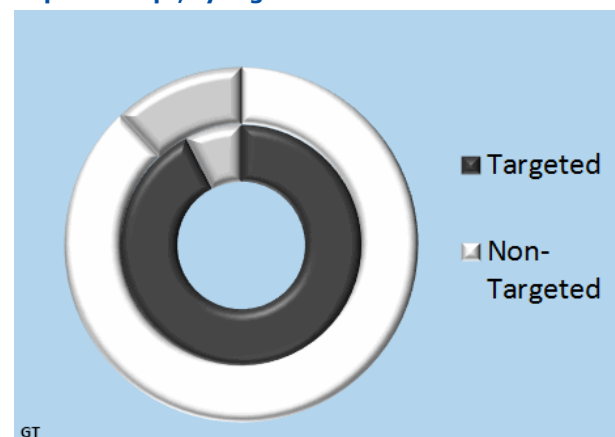
Table 137 - Gross tonnage (in 1000 t) of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	2,511	2,511	100.0%	5,852	5,852	100.0%	8,363	8,363	100.0%
Refrigerated Cargo									
Heavy load									
Container	20,087	20,087	100.0%	50,241	48,658	96.8%	70,328	68,745	97.7%
Ro-Ro cargo	3,092	3,092	100.0%	4,781	4,650	97.3%	7,873	7,742	98.3%
Bulk Carrier	54,339	50,311	92.6%	69,736	61,317	87.9%	124,075	111,628	90.0%
Oil tanker	31,880	28,917	90.7%	87,397	73,612	84.2%	119,277	102,529	86.0%
Chemical tanker				62	62	100.0%	62	62	100.0%
Combination carrier	149	149	100.0%	1,466	1,294	88.3%	1,615	1,443	89.3%
Gas carrier	4,390	3,295	75.1%	28,397	23,891	84.1%	32,787	27,186	82.9%
NLS Tanker	5,601	5,601	100.0%	31,124	31,124	100.0%	36,725	36,725	100.0%
High speed passenger craft									
Passenger Ship	4,850	4,850	100.0%	7,751	7,671	99.0%	12,601	12,521	99.4%
RoRo passenger ship				278	278	100.0%	278	278	100.0%
Offshore supply				255	155	60.7%	255	155	60.7%
Special purpose ship	60	60	100.0%	124	124	100.0%	185	185	100.0%
Tug									
Other special activities	2,324	689	29.6%	8,180	1,658	20.3%	10,504	2,346	22.3%
Other	74		0.0%	181	121	66.7%	255	121	47.3%
<b>Total</b>	<b>129,358</b>	<b>119,562</b>	<b>92%</b>	<b>295,826</b>	<b>260,466</b>	<b>88%</b>	<b>425,183</b>	<b>380,028</b>	<b>89%</b>

Graph 128 - Proportion of very large inspected ships, by flag



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



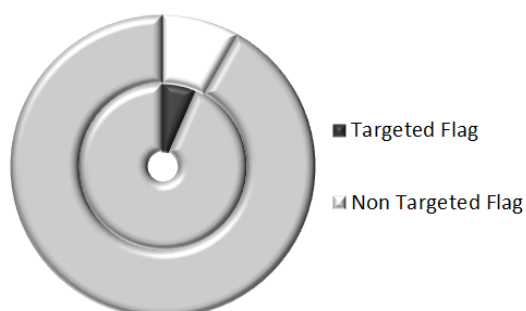
## 5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

## WHOLE FLEET

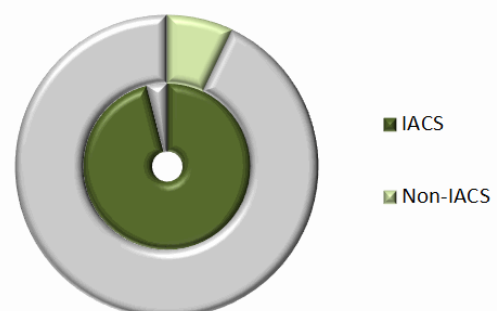
Table 138 - Total number of inspections with statutory certificates for ships GT≥500, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	37,345	764	939	34,469	4,483
Refrigerated Cargo	1,628	32	73	1,594	76
Heavy load	171	12	62	168	3
Container	8,254	377	940	8,184	155
Ro-Ro cargo	2,734	29	35	2,685	124
Bulk Carrier	16,322	3,510	3,514	16,004	945
Oil tanker	6,093	529	857	6,017	215
Chemical tanker	6,949	321	466	6,935	130
Combination carrier	145			145	3
Gas carrier	1,704	53	148	1,700	25
NLS Tanker	5,623	8	18	5,616	17
High speed passenger craft	129	1		129	1
Passenger Ship	1,750	8	94	1,726	42
RoRo passenger ship	1,512	1	3	1,468	81
Offshore supply	1,300	76	84	1,280	69
Special purpose ship	204	5	21	195	14
Tug	137	11	69	133	6
Other special activities	1,826	122	83	1,650	288
Other	600	208	291	590	14
<b>Total</b>	<b>94,426</b>	<b>6,067</b>	<b>7,697</b>	<b>90,688</b>	<b>6,691</b>

Graph 130 - Total number of inspection with statutory certificates for ships GT≥500, by flag issuer



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



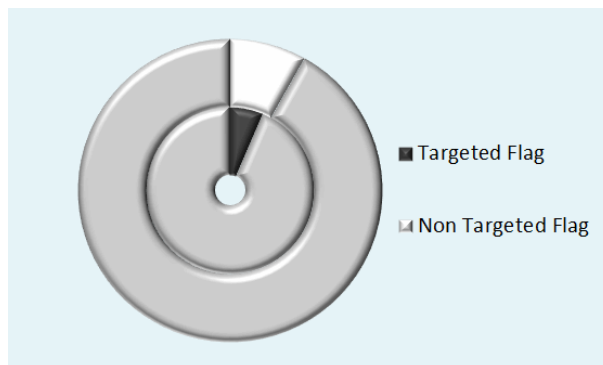
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## MEDIUM SHIPS

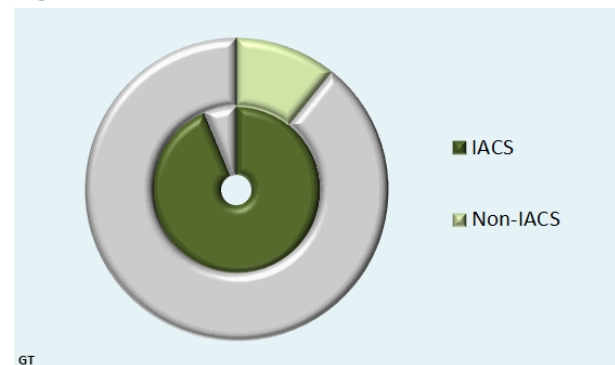
Table 139 - Total number of inspections with statutory certificates for medium ships, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	29,580	749	869	26,723	4,454
Refrigerated Cargo	1,625	32	73	1,591	76
Heavy load	140	11	61	137	3
Container	3,527	125	308	3,494	95
Ro-Ro cargo	1,314	20	19	1,265	101
Bulk Carrier	5,975	891	809	5,742	653
Oil tanker	1,721	153	134	1,649	154
Chemical tanker	5,650	262	285	5,636	115
Combination carrier	53			53	
Gas carrier	1,185	20	73	1,182	23
NLS Tanker	1,724	8	18	1,718	13
High speed passenger craft	129	1		129	1
Passenger Ship	565	4	24	547	39
RoRo passenger ship	776	1	3	732	72
Offshore supply	1,296	76	83	1,276	69
Special purpose ship	192	5	21	183	12
Tug	137	11	69	133	6
Other special activities	1,471		2	1,295	287
Other	153	17	58	143	14
<b>Total</b>	<b>57,213</b>	<b>2,386</b>	<b>2,909</b>	<b>53,628</b>	<b>6,187</b>

Graph 132 - Total number of inspection with statutory certificates for medium ships, by flag issuer



Graph 133 - Total number of inspection with statutory certificates for medium ships, by recognised organisations

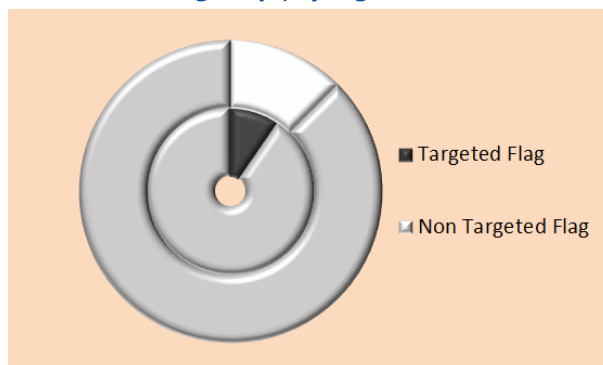


## LARGE SHIPS

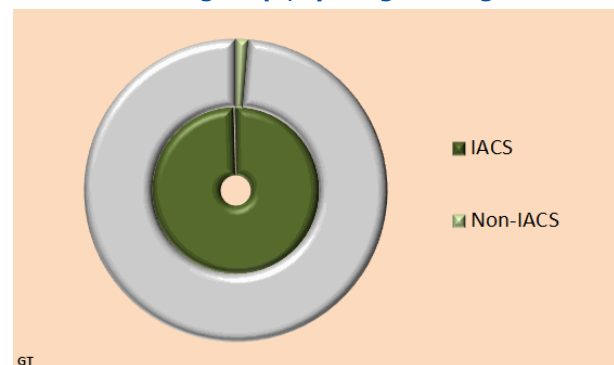
Table 140 - Total number of inspections with statutory certificates for large ships, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	6,932	15	70	6,913	29
Refrigerated Cargo	3			3	
Heavy load	31	1	1	31	
Container	2,872	221	605	2,838	43
Ro-Ro cargo	1,126	9	7	1,126	20
Bulk Carrier	7,679	1,837	1,809	7,625	205
Oil tanker	2,530	155	429	2,529	34
Chemical tanker	1,298	59	181	1,298	15
Combination carrier	55			55	2
Gas carrier	200	31	33	199	1
NLS Tanker	2,677			2,676	4
High speed passenger craft					
Passenger Ship	425	3	27	419	2
RoRo passenger ship	719			719	9
Offshore supply	3		1	3	
Special purpose ship	10			10	1
Tug					
Other special activities	323	119	80	323	1
Other	323	154	152	323	
<b>Total</b>	<b>27,206</b>	<b>2,604</b>	<b>3,395</b>	<b>27,090</b>	<b>366</b>

Graph 134 - Total number of inspection with statutory certificates for large ships, by flag issuer



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

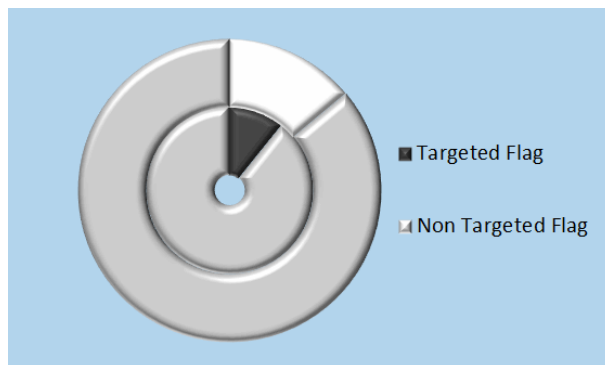


## VERY LARGE SHIPS

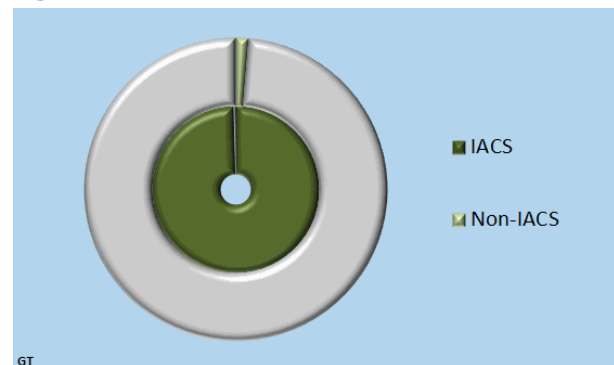
Table 141 - Total number of inspections with statutory certificates for very large ships, by type of issuer

PSC Ship Type	Inspections	Flags		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	833			833	
Refrigerated Cargo					
Heavy load					
Container	1,855	31	27	1,852	17
Ro-Ro cargo	294		9	294	3
Bulk Carrier	2,668	782	896	2,637	87
Oil tanker	1,842	221	294	1,839	27
Chemical tanker	1			1	
Combination carrier	37			37	1
Gas carrier	319	2	42	319	1
NLS Tanker	1,222			1,222	
High speed passenger craft					
Passenger Ship	760	1	43	760	1
RoRo passenger ship	17			17	
Offshore supply	1			1	
Special purpose ship	2			2	1
Tug					
Other special activities	32	3	1	32	
Other	124	37	81	124	
<b>Total</b>	<b>10,007</b>	<b>1,077</b>	<b>1,393</b>	<b>9,970</b>	<b>138</b>

Graph 136 -Total number of inspection with statutory certificates for very large ships, by flag issuer



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



## 5.6. STATUTORY CERTIFICATES

Table 142 - 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	34,837	1,057	828	30,765	2,187
Load Lines	71,021	146	56	66,202	4,617
SOLAS/STCW	14,197	7,656	6,040	360	141
SOLAS - ISM	64,988	1,739	610	58,439	5,880
SOLAS - ISPS	49,085	1,423	2,945	40,733	3,984
SOLAS - IMDG	12,140			12,031	109
SOLAS - GC	260	4		254	2
SOLAS - IGC	1,022	12		1,009	1
SOLAS - HSC	109			107	2
SOLAS - MODU	30			30	
SOLAS - SPS	72	6		65	1
SOLAS - PSCC	1,391	45	2	1,274	70
SOLAS - CSS	67,043	661	350	62,330	4,402
SOLAS - CSR	87			84	3
SOLAS - INF	40	1		39	
AFS	39,894	141	8	38,036	1,709
Ballast WM	37			37	
CLC	104			64	40
BUNKER	219			119	100
MARPOL - IAPP	57,951	277	49	54,579	3,046
MARPOL - IOPP	69,414	487	88	64,179	4,660
MARPOL - ISPP	45,704	298	61	43,149	2,196
MARPOL - EIAPP	1,296			1,245	51
MARPOL - IBC	4,833	9		4,797	27
MARPOL - NLS	785	1		773	11
MARPOL - BCH	1,042		2	1,030	10
Other	1,370	2	3	1,182	183
<b>Overall</b>	<b>74,923</b>	<b>7,710</b>	<b>6,089</b>	<b>70,132</b>	<b>2,187</b>

## 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 as follows:

#### Trade Associations<sup>3</sup>

- |                |  |
|----------------|--|
| 1. Intertanko  | Oil & chemical tankers<br>Gas carriers |
| 2. Intercargo  | Bulk carriers <sup>4</sup>             |
| 3. Green Award | Oil & chemical tankers                 |

#### Industry Vetting Programmes

- |          |   |
|----------|---|
| 4. CDI   | Oil & chemical tankers <sup>5</sup><br>Gas carriers |
| 5. OCIMF | Oil & chemical tankers<br>Gas carriers              |

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 more, 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) and USCG regions in 2011.

### RESULTS

Table 156 indicates that the majority of ships are not covered by the trade associations and/or industry vetting programmes providing data to Equasis. However, of the oil, chemical and gas tankers in the large and very large size

<sup>3</sup> Intermanager has been removed from the list of Trade Associations this year because the data provided to Equasis is not sufficiently up-to-date.

<sup>4</sup> Intercargo only deals with Bulk Carriers (and associated types) with a Deadweight over 10,000

<sup>5</sup> CDI only deals with Chemical Tankers and not with Oil Tankers, but for the purpose of these statistics, this is the closest ship type available.



category, just over a half (1917 out of 3954) are covered by Intertanko while nearly 94% are covered by OCIMF (3722 out of 3954). OCIMF also covers around 47.6% of the oil, chemical and gas tankers in the medium ship size category (3615 out of 7590).

Tables 143 to 148 suggest that ships in the medium, large and very large size categories that are covered by one of the trade associations and industry vetting programs are inspected more frequently in the four regimes providing data to Equasis than those ships not covered. For example, ships in the large ship size category, that fall into the oil and chemical tankers and gas carriers ship types, who are members of Intertanko were each inspected on average 1.53 times (2015 inspections of 1314 ships), compared with 1.34 times (1511 inspections of 1128 ships) for the ships who are not Intertanko members.

However, tables 145 to 148 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 inspected Oil & chemical tankers and Gas carriers who are members of Intertanko was 1.1% compared with 2.2% for those who are not members. It is a similar picture for ships that are members of by Intercargo, Green Award, CDI and OCIMF.

Table 149 shows that just over a half (52.7%) of the companies included in the data collected by Equasis operate just one ship. Over 84% operate five or fewer, although these companies account for 30.3% of the fleet over 500GT by number.

Graph 139 reveals that ships operated by larger companies had a much lower detention rate than those operated by smaller companies. For ships in companies with more than 50 ships the detention rate is below 2% while one-ship and two-ship companies had rates of 8.19% and 6.65% respectively.

## 6.1. SCHEME STATUS

Table 143 - Total number of ships, by size and vetting programmes and trade associations

Scheme	Medium <sup>(1)</sup>		Large <sup>(2)</sup>		Very Large <sup>(3)</sup>		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
<b>Intertanko</b>	1,021	6,366	1,314	1,128	807	870	3,142	8,364
% of Total	32.5%	76.1%	41.8%	13.5%	25.7%	10.4%		
<b>Intercargo</b>	218	15,639	549	3,863	233	1,140	1,000	20,642
% of Total	21.8%	75.8%	54.9%	18.7%	23.3%	5.5%		
<b>Green Award</b>	8	6,365	61	2,194	146	1,202	215	9,761
% of Total	3.7%	65.2%	28.4%	22.5%	67.9%	12.3%		
<b>CDI</b>	1,724	5,663	236	2,206		1,677	1,960	9,546
% of Total	88.0%	59.3%	12.0%	23.1%		17.6%		
<b>OCIMF</b>	3,670	3,717	2,222	220	1,626	51	7,518	3,988
% of Total	48.8%	93.2%	29.6%	5.5%	21.6%	1.3%		

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

Table 144 - Gross tonnage (in 1000 t) of ships, by size and vetting programmes and trade associations

Scheme	Medium <sup>(1)</sup>		Large <sup>(2)</sup>		Very Large <sup>(3)</sup>		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
<b>Intertanko</b>	12,523	32,028	51,058	42,448	86,652	97,018	150,233	171,494
% of Total	8.3%	18.7%	34.0%	24.8%	57.7%	56.6%		
<b>Intercargo</b>	4,374	100,750	19,096	138,521	22,544	107,419	46,014	346,690
% of Total	9.5%	29.1%	41.5%	40.0%	49.0%	31.0%		
<b>Green Award</b>	188	38,710	2,918	82,405	15,133	133,071	18,239	254,186
% of Total	1.0%	15.2%	16.0%	32.4%	83.0%	52.4%		
<b>CDI</b>	15,084	29,467	7,888	85,618		183,670	22,972	298,755
% of Total	65.7%	9.9%	34.3%	28.7%		61.5%		
<b>OCIMF</b>	30,482	14,069	85,533	7,972	178,639	5,031	294,654	27,072
% of Total	10.3%	52.0%	29.0%	29.4%	60.6%	18.6%		

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

## 6.2. SAFETY PERFORMANCE

Table 145 - Safety performance of ships, by inspections and detentions rates<sup>(\*)</sup>

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
<b>Intertanko</b>	1.1%	2.2%	1.8%	50	150	200	4,429	6,706	11,135
in % of total				25.0%	75.0%		39.8%	60.2%	
<b>Intercargo</b>	2.2%	5.2%	5.0%	50	1,760	1,810	2,226	33,946	36,172
in % of total				2.8%	97.2%		6.2%	93.8%	
<b>Green Award</b>	0.4%	1.7%	1.7%	1	165	166	260	9,442	9,702
in % of total				0.6%	99%		2.7%	97.3%	
<b>CDI</b>	1.3%	2.0%	1.8%	44	156	200	3,464	7,671	11,135
in % of total				22.0%	78.0%		31.1%	68.9%	
<b>OCIMF</b>	1.2%	5.9%	1.8%	113	87	200	9,652	1,483	11,135
in % of total				56.5%	43.5%		86.7%	13.3%	

Source: Equasis - <sup>(\*)</sup>Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

Table 146 - Safety performance of medium<sup>(1)</sup> ships, by inspections and detentions rates<sup>(\*)</sup>

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
<b>Intertanko</b>	1.6%	2.8%	2.5%	23	123	146	1,415	4,332	5,747
in % of total				15.8%	84.2%		24.6%	75.4%	
<b>Intercargo</b>	1.1%	6.0%	5.9%	6	1,423	1,429	551	23,804	24,355
in % of total				0.4%	99.6%		2.3%	97.7%	
<b>Green Award</b>	0.0%	2.4%	2.4%	0	114	114	7	4,835	4,842
in % of total				0.0%	100%		0.1%	99.9%	
<b>CDI</b>	1.4%	3.8%	2.5%	41	105	146	3,018	2,729	5,747
in % of total				28.1%	71.9%		52.5%	47.5%	
<b>OCIMF</b>	1.4%	6.2%	2.5%	63	83	146	4,407	1,340	5,747
in % of total				43.2%	56.8%		76.7%	23.3%	

Source: Equasis - <sup>(1)</sup>500≤GT<25.000 - <sup>(\*)</sup>Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

Table 147 - Safety performance of large<sup>(1)</sup> ships, by inspections and detentions rates<sup>(\*)</sup>

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
<b>Intertanko</b>	1.2%	1.6%	1.4%	25	24	49	2,015	1,511	3,526
in % of total				51.0%	49.0%		57.1%	42.9%	
<b>Intercargo</b>	2.8%	3.4%	3.3%	36	283	319	1,304	8,255	9,559
in % of total				11.3%	88.7%		13.6%	86.4%	
<b>Green Award</b>	0.0%	1.5%	1.4%	0	47	47	86	3,236	3,322
in % of total				0.0%	100%		2.6%	97.4%	
<b>CDI</b>	0.7%	1.5%	1.4%	3	46	49	446	3,080	3,526
in % of total				6.1%	93.9%		12.6%	87.4%	
<b>OCIMF</b>	1.3%	3.3%	1.4%	45	4	49	3,406	120	3,526
in % of total				91.8%	8.2%		96.6%	3.4%	

Source: Equasis - <sup>(1)</sup> 25.000≤GT<60.000 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

Table 148 - Safety performance of very large<sup>(1)</sup> ships, by inspections and detentions rates<sup>(\*)</sup>

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
<b>Intertanko</b>	0.2%	0.3%	0.3%	2	3	5	999	863	1,862
in % of total				40.0%	60.0%		53.7%	46.3%	
<b>Intercargo</b>	2.2%	2.9%	2.7%	8	54	62	371	1,887	2,258
in % of total				12.9%	87.1%		16.4%	83.6%	
<b>Green Award</b>	0.6%	0.3%	0.3%	1	4	5	167	1,371	1,538
in % of total				20.0%	80%		10.9%	89.1%	
<b>CDI</b>	0.0%	0.3%	0.3%	0	5	5	0	1,862	1,862
in % of total				0.0%	100.0%		0.0%	100.0%	
<b>OCIMF</b>	0.3%	0.0%	0.3%	5	0	5	1,839	23	1,862
in % of total				100.0%	0.0%		98.8%	1.2%	

Source: Equasis - <sup>(1)</sup> GT≥60.000 - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

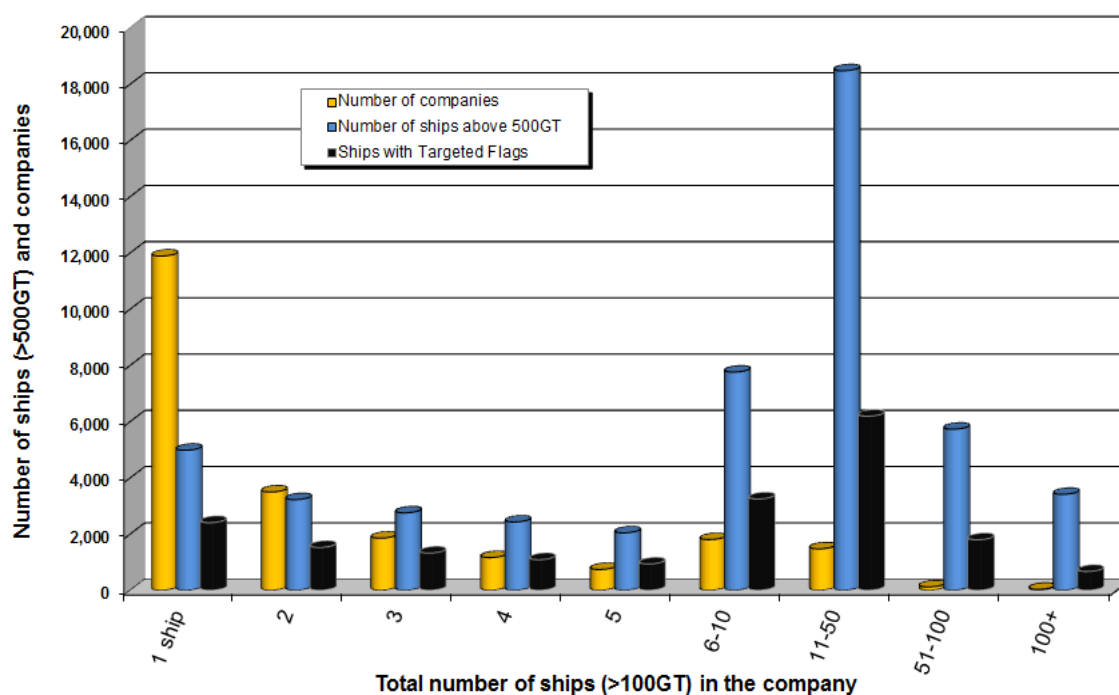
## 6.3. COMPANY PERFORMANCE

Table 149 - 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 <sup>(1)</sup>		Number of ships under targeted flag <sup>(1)</sup>		Total share of ships under targeted flag <sup>(2)</sup>
1 ship	11,884	52.7%	4,977	9.8%	2,403	12.5%	48.3%
2	3,493	15.5%	3,222	6.3%	1,521	7.9%	47.2%
3	1,851	8.2%	2,751	5.4%	1,321	6.9%	48.0%
4	1,161	5.1%	2,427	4.8%	1,087	5.7%	44.8%
5	737	3.3%	2,040	4.0%	932	4.9%	45.7%
6-10	1,800	8.0%	7,758	15.3%	3,245	16.9%	41.8%
11-50	1,472	6.5%	18,475	36.4%	6,188	32.3%	33.5%
51-100	118	0.5%	5,728	11.3%	1,794	9.4%	31.3%
100+	32	0.1%	3,410	6.7%	666	3.5%	19.5%
<b>Total</b>	<b>22,548</b>	<b>100%</b>	<b>50,788</b>	<b>100%</b>	<b>19,157</b>	<b>100%</b>	<b>37.7%</b>

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

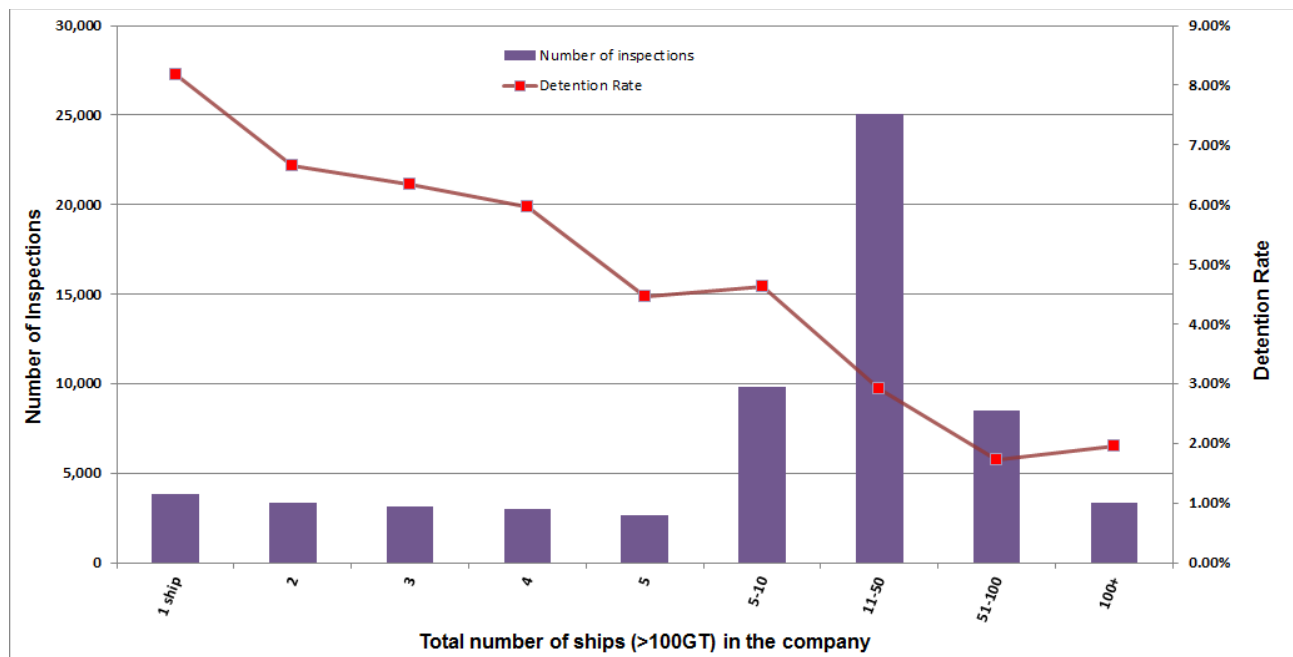
Graph 138 -Total number of companies and ships GT≥500, by company fleet size



**Table 150 - Total number of inspections and detention rates<sup>(\*)</sup>, by company fleet size**

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained <sup>(1)</sup>
1 ship	3,836	6.1%	314	12.9%	8.19%
2	3,324	5.3%	221	9.1%	6.65%
3	3,120	5.0%	198	8.2%	6.35%
4	3,023	4.8%	180	7.4%	5.95%
5	2,645	4.2%	118	4.9%	4.46%
5-10	9,800	15.6%	454	18.7%	4.63%
11-50	25,038	40.0%	731	30.1%	2.92%
51-100	8,501	13.6%	146	6.0%	1.72%
100+	3,343	5.3%	65	2.7%	1.94%
<b>Total</b>	<b>62,630</b>	<b>100%</b>	<b>2,427</b>	<b>100%</b>	<b>3.88%</b>

Source: Equasis - <sup>(1)</sup>Within the same company fleet size category - <sup>(\*)</sup> Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

**Graph 139 -Total number of inspections and detention rate, by company fleet size**

# Annexes

## Annex I. Ship type aggregations

The 13<sup>th</sup> category "Other" is not considered in the scope of these statistics and only given for information, it contains active ships not falling into one of the 12 main categories.

Modifications since last year are marked in bold.

### General Cargo Ships

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

### Specialized Cargo Ships

Barge Carrier  
Heavy Load Carrier  
Livestock Carrier  
Log-Tipping Ship  
Nuclear Fuel Carrier  
Stone 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  
Alumina Carrier  
Bulk Carrier  
**Bulk Dry Storage Ship**  
Bulk/Oil Carrier  
Cement Carrier  
Limestone Carrier  
Ore Carrier  
Ore/Oil Carrier  
Powder Carrier  
Refined Sugar Carrier  
Self-Discharging Bulk Carrier  
Wood Chips Carrier

### Oil and Chemical Tankers

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

### Gas Tankers

**CO2 Tanker**  
LNG Tanker  
LPG Tanker

### Other Tankers

**Asphalt/Bitumen Tanker**  
Bitumen Tanker  
**Bunkering Tanker**  
**Caprolactam Tanker**  
Edible Oil Tanker  
Fruit Juice Tanker  
**Latex Tanker**  
Molasses Tanker  
Oil-Sludge Tanker  
Vegetable Oil Tanker  
Water Tanker  
Wine Tanker

### Passenger Ships

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

### Offshore Vessels

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**  
Naval/Naval Auxiliary  
Other Non-Merchant Ships  
**Patrol Vessel**  
**Pilot Vessel**  
Pollution Control Vessel  
**Power Station Vessel**  
Research Vessel  
Sail Training Ship  
Salvage Ship  
Search & Rescue Vessel  
**Tank-Cleaning Vessel**  
Training Ship  
**Trans-shipment Vessel**  
Utility Vessel  
Waste Disposal Vessel  
Work/Repair Vessel

### Tugs

Pusher Tug  
Tug

### Other (Out of the scope)

*Anchor Hoy*  
*Coal/Oil Mixture Tanker*  
*Crewboat*  
*Exhibition Vessel*  
*Fish Carrier*  
*Fish Factory Ship*  
*Fishing Support Vessel*  
*Landing Craft*  
*Live-Fish Carrier*  
*Mooring Vessel*  
*Motor Hopper*  
*Pearl Shells Carrier*  
*Sailing Vessel*  
*Seal-Catcher*  
*Trenching Support Vessel*  
*Urea Carrier*  
*Vessel (function unknown)*  
*Whale-Catcher*

## Annex II. Targeted Flag States 2011

The list of targeted flag is based on the 2011 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guards, published in 2012.

### A

Albania  
Azerbaijan

### B

Bangladesh  
Belize  
Bolivia

### C

Cambodia  
Comoros  
Cook Islands  
Curaçao  
Cyprus

### D

Dominica

### G

Georgia  
Gibraltar

### H

Honduras

### I

Indonesia  
Italy

### K

Kiribati  
Korea (Democratic Republic)

### L

Lebanon  
Libyan Arab Jamahiriya  
Lithuania

### M

Malta  
Mexico  
Moldovia  
Mongolia

### N

New Zealand

### P

Panama  
Papua New Guinea  
Peru

### S

Sierra Leone  
St Vincent and Grenadines  
St Kitts and Nevis  
Syrian Arab Republic

### T

Tanzania  
Thailand  
Togo  
Tonga  
Turkey

### U

Ukrainia

### V

Venezuela  
Vietnam



## Annex III. Default PSC Ship types

Ship types in red corresponds to ship types that are not in the scope of these statistics (or for which no active ship is yet in the world fleet) but for which some PSC inspections have been carried out.

Although similar in the layout, this Annex cannot be compared to Annex I as the intention is not to create categories of ships, the purpose of this annex is only to attribute a PSC ship type to ships that were not inspected.

### General Cargo/Multipurpose

Aggregates Carrier  
Barge Carrier  
Bulk Dry Storage Ship  
Cement Carrier  
Deck Cargo Ship  
General Cargo Ship  
Landing Craft  
Latex Tanker  
Limestone Carrier  
Nuclear Fuel Carrier  
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  
Passenger/Ro-Ro Cargo Ship  
Ro-Ro Cargo Ship

### Bulk Carrier

Bulk Carrier  
Ore Carrier  
Self-Discharging Bulk Carrier

### Oil tanker

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

### Chemical tanker

Chemical Tanker  
Chemical/Oil Products Tanker  
Edible Oil Tanker  
Vegetable Oil Tanker

### Combination carrier

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

### Gas carrier

CO2 Tanker  
LNG Tanker  
LPG Tanker

### NLS Tanker

Molasses Tanker  
Wine Tanker

### High speed passenger craft

None

### Passenger Ship

Hospital Vessel  
Passenger (Cruise) Ship  
Passenger Ship  
Sailing Vessel

### RoRo passenger ship

Accommod. Offshore Supp Vessel

### Offshore supply

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

### Special purpose ship

Cable-Layer  
Crane Ship  
Fire-Fighting Vessel  
Fishing Support Vessel  
Icebreaker  
Power Station Vessel  
Wind Turbine Installation Vessel

### Tug

Pusher Tug  
Tug

### Other special activities

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

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

### Other

Dredger  
Livestock Carrier  
Vehicles Carrier

## Annex IV. List of Statutory Certificates, by conventions

### SOLAS (and STCW)

#### **SOLAS/STCW**

Minimum safe manning document

#### **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/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 - IOPP**

International Oil Pollution Prevention Certificate

#### **MARPOL - ISPP**

International Sewage Pollution Prevention Certificate

#### **MARPOL - EIAPP**

Engine International Air Pollution Prevention Certificate

#### **MARPOL - IBC**

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

#### **MARPOL - NLS**

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

#### **MARPOL BCH**

Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

#### **MARPOL - CAS**

Condition Assessment Scheme Statement of Compliance

### Other Conventions

#### **ITC**

International Tonnage Certificate

#### **Load Lines**

International Load Line Certificate

#### **AFS**

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

#### **Ballast WM**

Ballast Water Management Certificate

#### **CLC**

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

#### **BUNKER**

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