

**The world merchant fleet
in 2009**

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 derived from data contained in the Equasis database. It looks at the make up 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 Fleet Population
2. Classification Societies
3. P&I
4. Port State Control
5. Vetting Programmes and Trade Associations

1.1. OVERVIEW

Equasis is populated with most of the world's merchant ships. Basic ship particulars are derived from the commercial database of Lloyds Register-Fairplay (LRF)¹. From a commercial and regulatory point of view, size and type are two key criteria and therefore throughout this report the statistical analysis is based on these two elements.

1.2. SIZE

By size ships are grouped into four categories:

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

The small ships category reflects the main tonnage threshold for cargo 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 conventions or the Port State regimes. Many 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 conventions, the Port State Control regimes and the other organisations. Small ships are included in Chapter 1 and Chapter 2.1 to 2.3, to cover the whole fleet population, and in the multiple inspection figures in Chapter 5.1.

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 ships trading internationally around the world.

1.3. TYPE

Equasis uses over 100 descriptions of ship type. 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

¹ LRF have recently changed their name to IHS Fairplay

- Oil and Chemical Tankers
- Gas Tankers
- Other Tankers
- Passenger Ships
- Offshore Vessels
- Service Ships
- Tugs

The ship types used are those which are used and provided by Lloyd's Register-Fairplay. These descriptions are not necessarily those used by PSC organisations during inspections.

Consequently, the ship types used in this publication can be deemed as being a "technical" description.

A table showing this aggregation is at Annex I.

1.4. FLAG

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 by the three port state control regimes which feed their inspection results to Equasis (Paris MoU, Tokyo MoU and USCG [safety targeting]). A list of the flags is at Annex II.

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 region to another or because few, or none of its ships trade to ports covered by the regime.

Chapter 2

2. The World 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 (84%) 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 24.2% of the Equasis fleet. However, most of these are small and medium-sized. In the large and very large fleets, 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 74% of the Equasis fleet (Graph 2), with oil and chemical tankers and bulk carriers dominating both categories. Together they account for 61.3% of the large and 65.7% of the very large categories.

Table 3 shows that over half (58.4%) 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 fleets. The trend is reversed for large and very large ships where 73.7% and 81.8%, respectively, are less than 15

years old. The large and very large ships dominate the most modern fleet with 79.1%, by tonnage, of the fleet below 4 years of age (Table 4 and Graph 4). At the other end of the age scale, large and very large ships account for just 3% by number and 36% by tonnage of the Equasis fleet over 25 years old (Graphs 11&12).

Graph 13 shows that the fleet in Equasis over 500 GT is roughly equally divided, by number, between targeted and non-targeted flags (45% & 55%). But Graphs 15 to 20 show that the proportion of ships under a targeted flag decreases with size – 49% for medium, 36% for large and 33% for very large ships. By tonnage the overall split is 37% targeted compared with 63% from non-targeted flags.(Graph 14). Table 13 shows that general cargo ships have a greater share of the fleet under targeted flags (39.1%) than their share of the non-targeted flag fleet (17.9%). Conversely, passenger ships represent 4.3% of the targeted flag fleet but 7.6% of the non-targeted flag fleet.

2.1. WHOLE FLEET

Table 1 - World fleet : total number of ships, by type and size – 2009

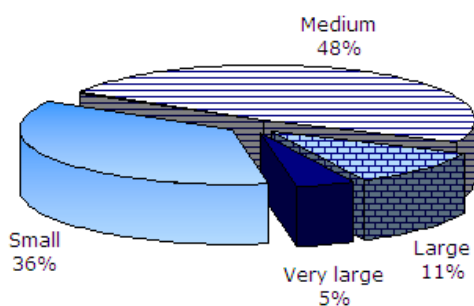
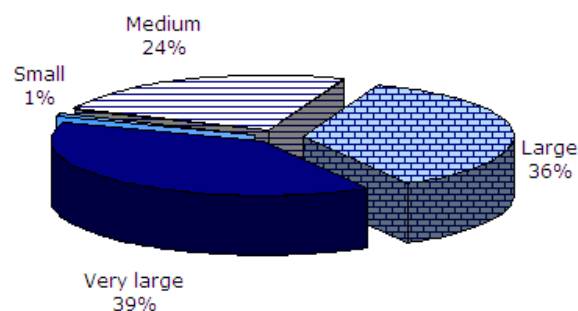
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,971	18.4%	12,971	35.7%	208	2.5%			18,150	24.2%
Specialized Cargo Ships	17	0.1%	168	0.5%	47	0.6%	1	0.0%	233	0.3%
Container Ships	12	0.0%	2,380	6.6%	1,541	18.8%	683	20.1%	4,616	6.2%
Ro-Ro Cargo Ships	29	0.1%	877	2.4%	534	6.5%	108	3.2%	1,548	2.1%
Bulk Carriers	403	1.5%	3,416	9.4%	3,233	39.5%	968	28.5%	8,020	10.7%
Oil and Chemical Tankers	1,968	7.3%	6,440	17.7%	2,112	25.8%	1,149	33.8%	11,669	15.6%
Gas Tankers	47	0.2%	957	2.6%	190	2.3%	300	8.8%	1,494	2.0%
Other Tankers	132	0.5%	31	0.1%					163	0.2%
Passenger Ships	3,374	12.5%	2,534	7.0%	263	3.2%	119	3.5%	6,290	8.4%
Offshore Vessels	2,032	7.5%	3,693	10.2%	42	0.5%	71	2.1%	5,838	7.8%
Service Ships	1,783	6.6%	1,981	5.5%	13	0.2%			3,777	5.0%
Tugs	12,316	45.5%	837	2.3%					13,153	17.5%
Total	27,084	100%	36,285	100%	8,183	100%	3,399	100%	74,951	100%

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

Table 2 - World fleet : gross tonnage (in 1000 t), by type and size – 2009

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,649	22.7%	53,816	25.9%	6,254	2.0%			61,720	7.2%
Specialized Cargo Ships	6	0.1%	1,293	0.6%	1,706	0.6%	64	0.0%	3,070	0.4%
Container Ships	5	0.1%	27,744	13.4%	59,078	19.3%	56,303	17.0%	143,130	16.8%
Ro-Ro Cargo Ships	11	0.2%	8,275	4.0%	24,441	8.0%	6,908	2.1%	39,636	4.6%
Bulk Carriers	153	2.1%	47,350	22.8%	114,333	37.3%	88,921	26.8%	250,757	29.4%
Oil and Chemical Tankers	640	8.8%	38,469	18.5%	81,116	26.4%	128,831	38.9%	249,056	29.2%
Gas Tankers	18	0.2%	5,014	2.4%	8,265	2.7%	32,031	9.7%	45,328	5.3%
Other Tankers	36	0.5%	42	0.0%					78	0.0%
Passenger Ships	841	11.6%	11,612	5.6%	9,289	3.0%	11,180	3.4%	32,922	3.9%
Offshore Vessels	565	7.8%	7,359	3.5%	1,877	0.6%	7,233	2.2%	17,034	2.0%
Service Ships	473	6.5%	5,896	2.8%	478	0.2%			6,847	0.8%
Tugs	2,873	39.5%	825	0.4%					3,698	0.4%
Total	7,270	100%	207,697	100%	306,837	100%	331,472	100%	853,276	100%

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

Graph 1 - World fleet : total number of ships, by size – 2009**Graph 2 - World fleet : gross tonnage, by size – 2009**

2.2. SHIPS BY AGE

WORLD FLEET

Table 3 - Total number of ships, by age and size – 2009

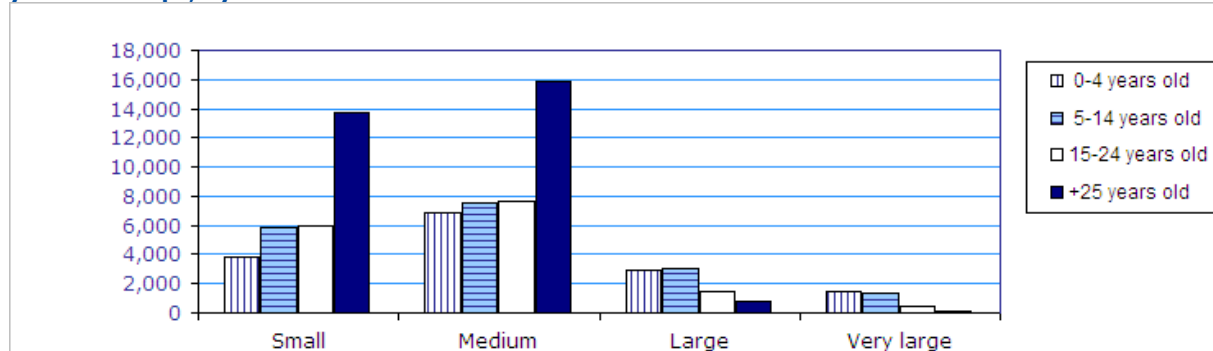
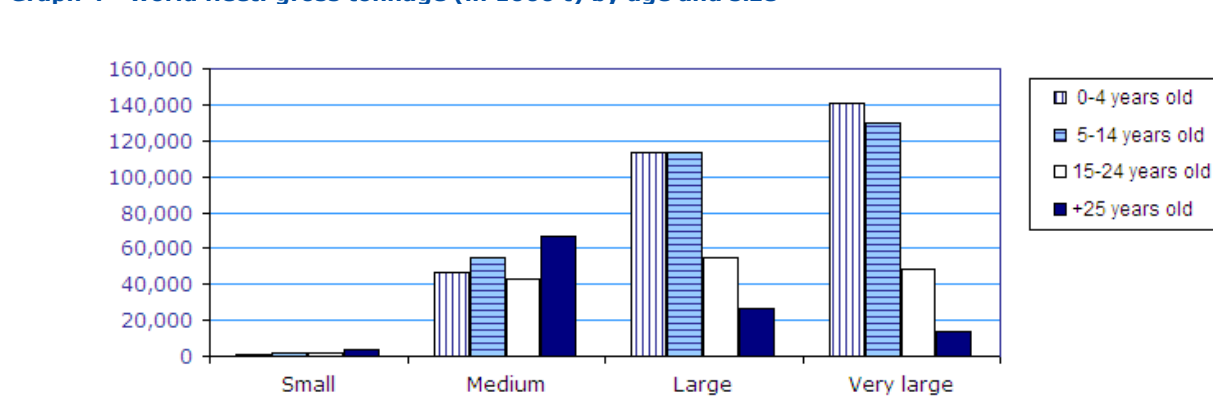
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
0-4 years old	3,848	13.1%	6,813	18.0%	2,980	36.4%	1,442	42.3%	15,083	19.1%
5-14 years old	5,809	19.8%	7,492	19.8%	3,054	37.3%	1,346	39.5%	17,701	22.5%
15-24 years old	5,967	20.3%	7,662	20.3%	1,411	17.2%	472	13.8%	15,512	19.7%
+25 years old	13,739	46.8%	15,865	41.9%	750	9.2%	148	4.3%	30,502	38.7%
Total	29,363	100%	37,832	100%	8,195	100%	3,408	100%	78,798	100%

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

Table 4 - Gross tonnage (in 1000 t) of ships, by age and size – 2009

Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
0-4 years old	1,135	14.4%	46,623	22.1%	113,149	36.8%	140,672	42.3%	301,580	35.1%
5-14 years old	1,595	20.3%	54,404	25.8%	113,256	36.9%	129,589	39.0%	298,844	34.8%
15-24 years old	1,627	20.7%	43,174	20.5%	54,701	17.8%	48,604	14.6%	148,106	17.3%
+25 years old	3,510	44.6%	66,360	31.5%	26,223	8.5%	13,659	4.1%	109,752	12.8%
Total	7,867	100%	210,561	100%	307,328	100%	332,524	100%	858,281	100%

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

Graph 3 - World fleet : total number of 0-4 years old ships, by size – 2009**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 – 2009

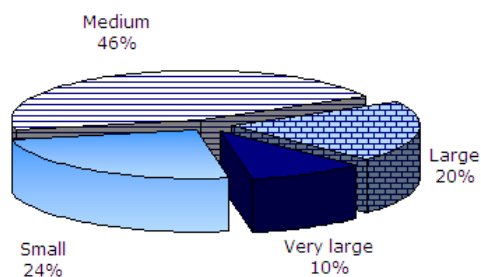
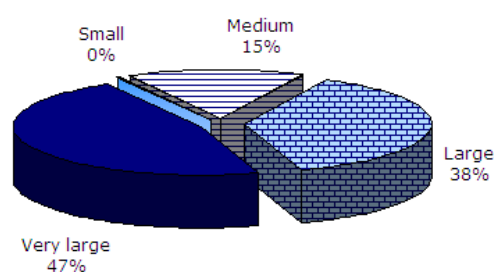
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	253	7.1%	1,643	24.9%	32	1.1%			1,928	13.2%
Specialized Cargo Ships			23	0.3%					23	0.2%
Container Ships	10	0.3%	717	10.9%	635	21.3%	375	26.0%	1,737	11.9%
Ro-Ro Cargo Ships	6	0.2%	62	0.9%	190	6.4%	74	5.1%	332	2.3%
Bulk Carriers	3	0.1%	535	8.1%	1,022	34.3%	310	21.5%	1,870	12.8%
Oil and Chemical Tankers	99	2.8%	1,652	25.0%	966	32.4%	476	33.0%	3,193	21.9%
Gas Tankers	2	0.1%	186	2.8%	77	2.6%	163	11.3%	428	2.9%
Other Tankers	4	0.1%	1	0.0%					5	0.0%
Passenger Ships	188	5.3%	240	3.6%	44	1.5%	36	2.5%	508	3.5%
Offshore Vessels	387	10.9%	1,228	18.6%	10	0.3%	8	0.6%	1,633	11.2%
Service Ships	120	3.4%	152	2.3%	3	0.1%			275	1.9%
Tugs	2,485	69.9%	162	2.5%					2,647	18.2%
Total	3,557	100%	6,601	100%	2,979	100%	1,442	100%	14,579	100%

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

Table 6 - Gross tonnage (in 1000 t) of 0-4 years old ships, by type and size - 2009

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	116	11.1%	8,889	19.2%	1,040	0.9%			10,045	3.3%
Specialized Cargo Ships			274	0.6%					274	0.1%
Container Ships	4	0.4%	8,762	19.0%	24,281	21.5%	33,971	24.1%	67,017	22.3%
Ro-Ro Cargo Ships	3	0.3%	793	1.7%	9,182	8.1%	4,669	3.3%	14,646	4.9%
Bulk Carriers	1	0.1%	7,667	16.6%	37,763	33.4%	29,910	21.3%	75,341	25.0%
Oil and Chemical Tankers	39	3.7%	13,383	29.0%	35,280	31.2%	49,124	34.9%	97,826	32.5%
Gas Tankers	1	0.1%	1,447	3.1%	3,396	3.0%	18,510	13.2%	23,354	7.8%
Other Tankers	1	0.1%	1	0.0%					2	0.0%
Passenger Ships	52	5.0%	1,063	2.3%	1,535	1.4%	3,920	2.8%	6,570	2.2%
Offshore Vessels	130	12.5%	3,012	6.5%	524	0.5%	569	0.4%	4,235	1.4%
Service Ships	33	3.1%	728	1.6%	115	0.1%			876	0.3%
Tugs	662	63.6%	184	0.4%					846	0.3%
Total	1,041	100%	46,203	100%	113,116	100%	140,672	100%	301,033	100%

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

Graph 5 - World fleet : total number of 0-4 years old ships, by size – 2009**Graph 6 - World fleet : gross tonnage of 0-4 years old ships by size – 2009**

5-14 YEARS OLD SHIPS

Table 7 - Total number of 5-14 years old ships, by type and size – 2009

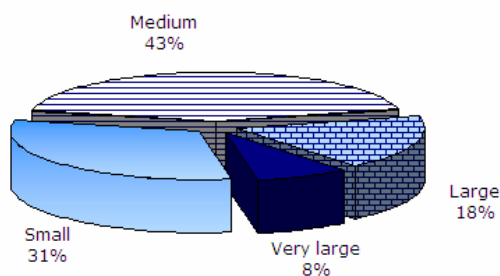
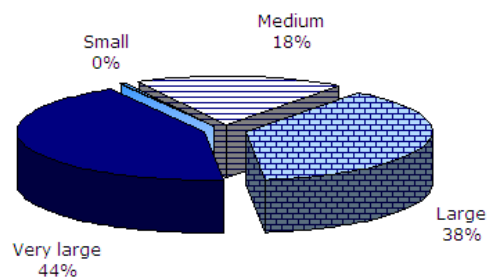
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	777	14.8%	2,023	27.8%	79	2.6%			2,879	17.0%
Specialized Cargo Ships			25	0.3%	3	0.1%			28	0.2%
Container Ships	1	0.0%	985	13.5%	584	19.1%	302	22.5%	1,872	11.1%
Ro-Ro Cargo Ships	5	0.1%	221	3.0%	153	5.0%	34	2.5%	413	2.4%
Bulk Carriers	56	1.1%	696	9.6%	1,291	42.3%	328	24.4%	2,371	14.0%
Oil and Chemical Tankers	243	4.6%	1,338	18.4%	763	25.0%	513	38.1%	2,857	16.9%
Gas Tankers	6	0.1%	276	3.8%	49	1.6%	81	6.0%	412	2.4%
Other Tankers	6	0.1%	1	0.0%					7	0.0%
Passenger Ships	754	14.4%	588	8.1%	111	3.6%	73	5.4%	1,526	9.0%
Offshore Vessels	362	6.9%	688	9.5%	15	0.5%	14	1.0%	1,079	6.4%
Service Ships	241	4.6%	317	4.4%	4	0.1%			562	3.3%
Tugs	2,791	53.2%	112	1.5%					2,903	17.2%
Total	5,242	100%	7,270	100%	3,052	100%	1,345	100%	16,909	100%

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

Table 8 - Gross tonnage (in 1000 t) of 5-14 years old ships, by type and size – 2009

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
General Cargo Ships	302	20.8%	10,918	20.2%	2,478	2.2%			13,698	4.6%
Specialized Cargo Ships			224	0.4%	120	0.1%			344	0.1%
Container Ships			11,645	21.5%	21,906	19.4%	21,962	17.0%	55,514	18.6%
Ro-Ro Cargo Ships	2	0.2%	2,632	4.9%	7,368	6.5%	2,239	1.7%	12,242	4.1%
Bulk Carriers	24	1.7%	10,078	18.6%	44,268	39.1%	28,425	22.0%	82,796	27.8%
Oil and Chemical Tankers	76	5.2%	10,968	20.3%	30,204	26.7%	60,807	47.0%	102,054	34.2%
Gas Tankers	2	0.2%	1,603	3.0%	2,115	1.9%	8,268	6.4%	11,988	4.0%
Other Tankers	2	0.1%	1	0.0%					3	0.0%
Passenger Ships	196	13.5%	2,808	5.2%	3,913	3.5%	6,552	5.1%	13,469	4.5%
Offshore Vessels	120	8.3%	1,707	3.2%	665	0.6%	1,099	0.8%	3,590	1.2%
Service Ships	58	4.0%	1,351	2.5%	154	0.1%			1,562	0.5%
Tugs	667	46.0%	116	0.2%					783	0.3%
Total	1,450	100%	54,050	100%	113,190	100%	129,352	100%	298,041	100%

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

Graph 7 - Total number of 5-14 years old ships by size – 2009**Graph 8 - Gross tonnage of 5-14 years old ships by size – 2009**

15-24 YEARS OLD SHIPS

Table 9 - Total number of 15-24 years old ships, by type and size - 2009

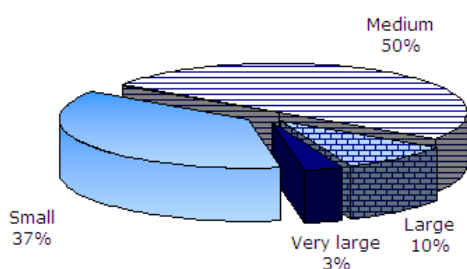
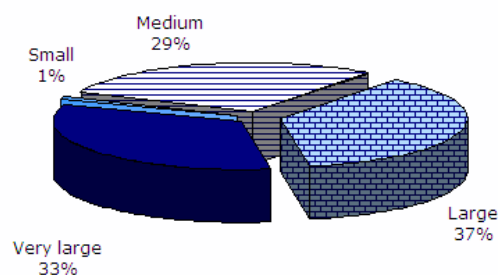
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,259	23.1%	2,954	40.3%	51	3.6%			4,264	29.1%
Specialized Cargo Ships			15	0.2%	20	1.4%	1	0.2%	36	0.2%
Container Ships			446	6.1%	241	17.1%	6	1.3%	693	4.7%
Ro-Ro Cargo Ships	5	0.1%	200	2.7%	108	7.7%			313	2.1%
Bulk Carriers	194	3.6%	717	9.8%	546	38.8%	270	57.4%	1,727	11.8%
Oil and Chemical Tankers	666	12.2%	1,373	18.7%	319	22.7%	151	32.1%	2,509	17.1%
Gas Tankers	7	0.1%	238	3.2%	37	2.6%	20	4.3%	302	2.1%
Other Tankers	26	0.5%	2	0.0%					28	0.2%
Passenger Ships	945	17.3%	595	8.1%	77	5.5%	10	2.1%	1,627	11.1%
Offshore Vessels	234	4.3%	273	3.7%	5	0.4%	12	2.6%	524	3.6%
Service Ships	417	7.6%	427	5.8%	2	0.1%			846	5.8%
Tugs	1,709	31.3%	94	1.3%					1,803	12.3%
Total	5,462	100%	7,334	100%	1,406	100%	470	100%	14,672	100%

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

Table 10 - Gross tonnage (in 1000 t) of 15-24 years old ships, by type and size - 2009

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	393	26.2%	12,622	29.7%	1,431	2.6%			14,446	9.8%
Specialized Cargo Ships			85	0.2%	760	1.4%	64	0.1%	910	0.6%
Container Ships			5,443	12.8%	10,142	18.6%	370	0.8%	15,954	10.9%
Ro-Ro Cargo Ships	2	0.1%	1,715	4.0%	4,847	8.9%			6,564	4.5%
Bulk Carriers	80	5.4%	9,624	22.6%	19,028	34.9%	25,837	53.3%	54,569	37.1%
Oil and Chemical Tankers	212	14.1%	7,069	16.6%	13,492	24.8%	18,089	37.3%	38,861	26.4%
Gas Tankers	3	0.2%	1,168	2.7%	1,620	3.0%	2,023	4.2%	4,813	3.3%
Other Tankers	8	0.5%	1	0.0%					9	0.0%
Passenger Ships	239	15.9%	2,814	6.6%	2,851	5.2%	708	1.5%	6,611	4.5%
Offshore Vessels	56	3.8%	561	1.3%	230	0.4%	1,356	2.8%	2,203	1.5%
Service Ships	130	8.7%	1,349	3.2%	63	0.1%			1,541	1.0%
Tugs	378	25.2%	93	0.2%					471	0.3%
Total	1,500	100%	42,544	100%	54,464	100%	48,446	100%	146,953	100%

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

Graph 9 - Total number of 15-14 years old ships by size - 2009**Graph 10 - Gross tonnage of 15-24 years old ships by size - 2009**

+25 YEARS OLD SHIPS**Table 11 - Total number of +25 years old ships, by type and size - 2009**

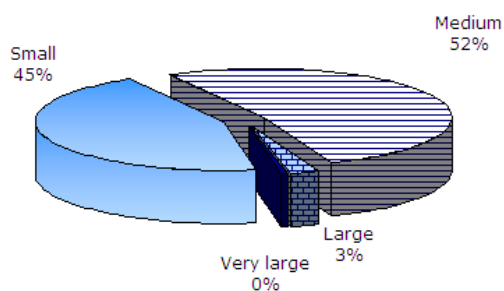
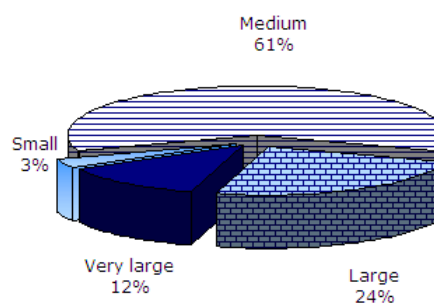
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,682	20.9%	6,351	42.1%	46	6.2%			9,079	31.5%
Specialized Cargo Ships	17	0.1%	105	0.7%	24	3.2%			146	0.5%
Container Ships	1	0.0%	232	1.5%	81	10.9%			314	1.1%
Ro-Ro Cargo Ships	13	0.1%	394	2.6%	83	11.1%			490	1.7%
Bulk Carriers	150	1.2%	1,468	9.7%	374	50.1%	60	42.3%	2,052	7.1%
Oil and Chemical Tankers	960	7.5%	2,077	13.8%	64	8.6%	9	6.3%	3,110	10.8%
Gas Tankers	32	0.2%	257	1.7%	27	3.6%	36	25.4%	352	1.2%
Other Tankers	96	0.7%	27	0.2%					123	0.4%
Passenger Ships	1,487	11.6%	1,111	7.4%	31	4.2%			2,629	9.1%
Offshore Vessels	1,049	8.2%	1,504	10.0%	12	1.6%	37	26.1%	2,602	9.0%
Service Ships	1,005	7.8%	1,085	7.2%	4	0.5%			2,094	7.3%
Tugs	5,331	41.6%	469	3.1%					5,800	20.1%
Total	12,823	100%	15,080	100%	746	100%	142	100%	28,791	100%

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

Table 12 - Gross tonnage (in 1000 t) of +25 years old ships, by type and size - 2009

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	839	25.6%	21,387	33.0%	1,305	5.0%			23,530	21.9%
Specialized Cargo Ships	6	0.2%	710	1.1%	826	3.2%			1,543	1.4%
Container Ships			1,895	2.9%	2,749	10.5%			4,644	4.3%
Ro-Ro Cargo Ships	5	0.1%	3,135	4.8%	3,045	11.7%			6,184	5.8%
Bulk Carriers	48	1.5%	19,981	30.8%	13,273	50.9%	4,750	36.5%	38,052	35.5%
Oil and Chemical Tankers	313	9.5%	7,049	10.9%	2,140	8.2%	812	6.2%	10,315	9.6%
Gas Tankers	12	0.4%	796	1.2%	1,135	4.4%	3,230	24.8%	5,173	4.8%
Other Tankers	25	0.8%	39	0.1%					65	0.1%
Passenger Ships	354	10.8%	4,927	7.6%	991	3.8%			6,272	5.8%
Offshore Vessels	258	7.9%	2,079	3.2%	458	1.8%	4,210	32.4%	7,005	6.5%
Service Ships	253	7.7%	2,469	3.8%	146	0.6%			2,869	2.7%
Tugs	1,165	35.5%	433	0.7%					1,598	1.5%
Total	3,279	100%	64,900	100%	26,068	100%	13,001	100%	107,248	100%

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

Graph 11 - Total number of +25 years old ships by size - 2009**Graph 12 - Gross tonnage of +25 years old ships by size - 2009**

2.3. SHIPS BY FLAG

WHOLE FLEET GT≥500

Table 13 - World fleet GT≥500: total number of ships, by type and flag – 2009

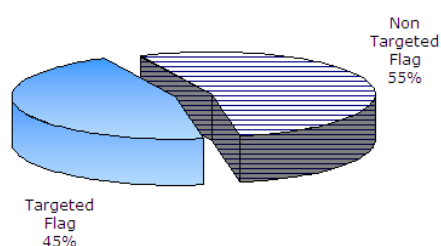
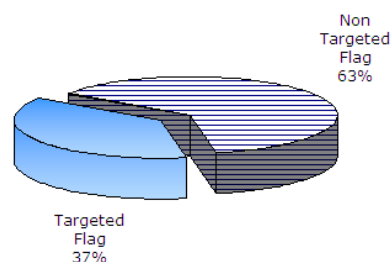
Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	8,502	39.1%	4,677	17.9%	13,179	27.5%
Specialized Cargo Ships	107	0.5%	109	0.4%	216	0.5%
Container Ships	1,634	7.5%	2,970	11.4%	4,604	9.6%
Ro-Ro Cargo Ships	736	3.4%	783	3.0%	1,519	3.2%
Bulk Carriers	3,827	17.6%	3,790	14.5%	7,617	15.9%
Oil and Chemical Tankers	3,717	17.1%	5,984	22.9%	9,701	20.3%
Gas Tankers	456	2.1%	991	3.8%	1,447	3.0%
Other Tankers	16	0.1%	15	0.1%	31	0.1%
Passenger Ships	930	4.3%	1,986	7.6%	2,916	6.1%
Offshore Vessels	938	4.3%	2,868	11.0%	3,806	8.0%
Service Ships	644	3.0%	1,350	5.2%	1,994	4.2%
Tugs	249	1.1%	588	2.3%	837	1.7%
Total	21,756	100%	26,111	100%	47,867	100%

Source: Equasis

Table 14 - World fleet GT≥500: gross tonnage (in 1000 t) of ships, by type and flag – 2009

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	33,787	10.7%	26,283	4.9%	60,071	7.1%
Specialized Cargo Ships	1,231	0.4%	1,833	0.3%	3,064	0.4%
Container Ships	43,273	13.7%	99,853	18.8%	143,125	16.9%
Ro-Ro Cargo Ships	18,809	6.0%	20,816	3.9%	39,624	4.7%
Bulk Carriers	122,583	38.9%	128,021	24.1%	250,604	29.6%
Oil and Chemical Tankers	69,076	21.9%	179,340	33.8%	248,416	29.4%
Gas Tankers	8,092	2.6%	37,219	7.0%	45,310	5.4%
Other Tankers	18	0.0%	25	0.0%	42	0.0%
Passenger Ships	11,850	3.8%	20,231	3.8%	32,080	3.8%
Offshore Vessels	3,887	1.2%	12,582	2.4%	16,469	1.9%
Service Ships	1,915	0.6%	4,460	0.8%	6,374	0.8%
Tugs	300	0.1%	525	0.1%	825	0.1%
Total	314,819	100%	531,186	100%	846,005	100%

Source: Equasis

Graph 13 - World fleet GT≥500: total number of ships, by flag – 2009**Graph 14 - World fleet GT≥500: gross tonnage of ships, by flag – 2009**

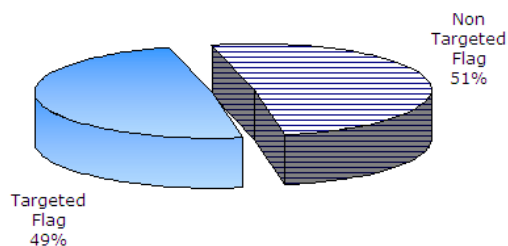
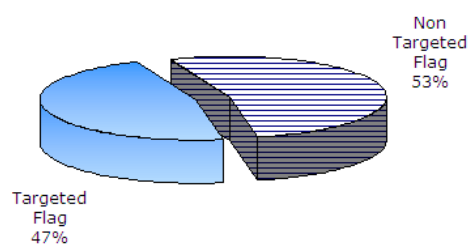
MEDIUM SHIPS

Table 15 - Total number of medium⁽¹⁾ ships, by type and flag – 2009

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	8,467	47.8%	4,504	24.3%	12,971	35.7%
Specialized Cargo Ships	90	0.5%	78	0.4%	168	0.5%
Container Ships	1,035	5.8%	1,345	7.2%	2,380	6.6%
Ro-Ro Cargo Ships	418	2.4%	459	2.5%	877	2.4%
Bulk Carriers	1,852	10.5%	1,564	8.4%	3,416	9.4%
Oil and Chemical Tankers	2,904	16.4%	3,536	19.0%	6,440	17.7%
Gas Tankers	355	2.0%	602	3.2%	957	2.6%
Other Tankers	16	0.1%	15	0.1%	31	0.1%
Passenger Ships	782	4.4%	1,752	9.4%	2,534	7.0%
Offshore Vessels	909	5.1%	2,784	15.0%	3,693	10.2%
Service Ships	639	3.6%	1,342	7.2%	1,981	5.5%
Tugs	249	1.4%	588	3.2%	837	2.3%
Total	17,716	100%	18,569	100%	36,285	100%

Source: Equasis ⁽¹⁾ 500≤GT<25.000**Table 16 - Gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type and flag – 2009**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	32,808	33.9%	21,008	18.9%	53,816	25.9%
Specialized Cargo Ships	644	0.7%	649	0.6%	1,293	0.6%
Container Ships	10,819	11.2%	16,926	15.3%	27,744	13.4%
Ro-Ro Cargo Ships	3,533	3.7%	4,742	4.3%	8,275	4.0%
Bulk Carriers	24,996	25.8%	22,354	20.1%	47,350	22.8%
Oil and Chemical Tankers	15,350	15.9%	23,119	20.8%	38,469	18.5%
Gas Tankers	1,410	1.5%	3,604	3.2%	5,014	2.4%
Other Tankers	18	0.0%	25	0.0%	42	0.0%
Passenger Ships	3,592	3.7%	8,019	7.2%	11,612	5.6%
Offshore Vessels	1,476	1.5%	5,882	5.3%	7,359	3.5%
Service Ships	1,762	1.8%	4,134	3.7%	5,896	2.8%
Tugs	300	0.3%	525	0.5%	825	0.4%
Total	96,709	100%	110,988	100%	207,697	100%

Source: Equasis ⁽¹⁾ 500≤GT<25.000**Graph 15 - Total number of medium ships, by flag – 2009****Graph 16 - Gross tonnage of medium ships, by flag – 2009**

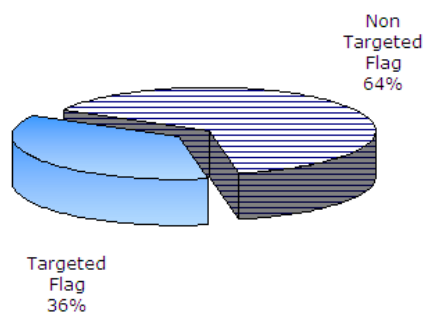
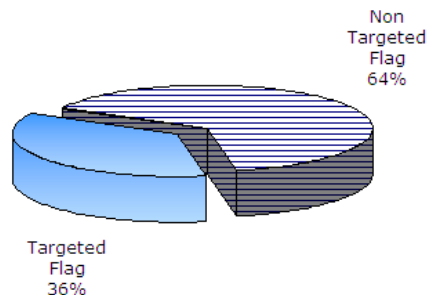
LARGE SHIPS

Table 17 - Total number of large⁽¹⁾ ships, by type and flag – 2009

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	35	1.2%	173	3.3%	208	2.5%
Specialized Cargo Ships	17	0.6%	30	0.6%	47	0.6%
Container Ships	389	13.3%	1,152	21.9%	1,541	18.8%
Ro-Ro Cargo Ships	271	9.3%	263	5.0%	534	6.5%
Bulk Carriers	1,487	50.9%	1,746	33.2%	3,233	39.5%
Oil and Chemical Tankers	552	18.9%	1,560	29.7%	2,112	25.8%
Gas Tankers	62	2.1%	128	2.4%	190	2.3%
Other Tankers						
Passenger Ships	95	3.3%	168	3.2%	263	3.2%
Offshore Vessels	10	0.3%	32	0.6%	42	0.5%
Service Ships	5	0.2%	8	0.2%	13	0.2%
Tugs						
Total	2,923	100%	5,260	100%	8,183	100%

Source: Equasis ⁽¹⁾ 25.000≤GT<60.000**Table 18 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type and flag – 2009**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships	979	0.9%	5,275	2.7%	6,254	2.0%
Specialized Cargo Ships	586	0.5%	1,120	0.6%	1,706	0.6%
Container Ships	15,437	14.1%	43,641	22.1%	59,078	19.3%
Ro-Ro Cargo Ships	12,339	11.3%	12,103	6.1%	24,441	8.0%
Bulk Carriers	52,926	48.4%	61,407	31.1%	114,333	37.3%
Oil and Chemical Tankers	20,361	18.6%	60,755	30.8%	81,116	26.4%
Gas Tankers	2,711	2.5%	5,554	2.8%	8,265	2.7%
Other Tankers						
Passenger Ships	3,447	3.2%	5,842	3.0%	9,289	3.0%
Offshore Vessels	459	0.4%	1,419	0.7%	1,877	0.6%
Service Ships	152	0.1%	325	0.2%	478	0.2%
Tugs						
Total	109,396	100%	197,441	100%	306,837	100%

Source: Equasis ⁽¹⁾ 25.000≤GT<60.000**Graph 17 - Total number of large ships, by flag – 2009****Graph 18 - Gross tonnage of large ships, by flag – 2009**

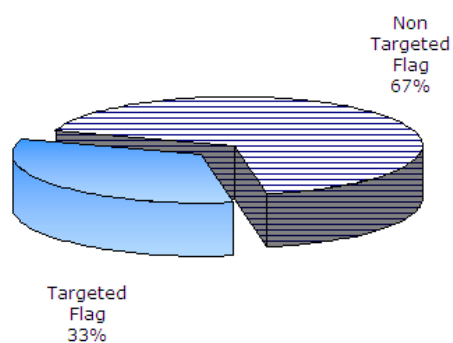
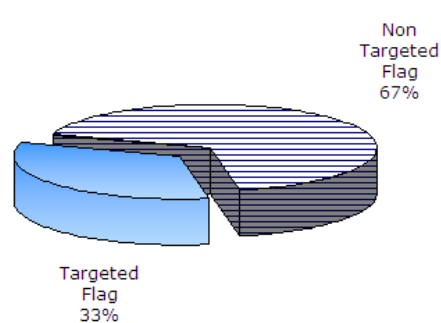
VERY LARGE SHIPS

Table 19 - Total number of very large⁽¹⁾ ships, by type and flag – 2009

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			1	0.0%	1	0.0%
Container Ships	210	18.8%	473	20.7%	683	20.1%
Ro-Ro Cargo Ships	47	4.2%	61	2.7%	108	3.2%
Bulk Carriers	488	43.7%	480	21.0%	968	28.5%
Oil and Chemical Tankers	261	23.4%	888	38.9%	1,149	33.8%
Gas Tankers	39	3.5%	261	11.4%	300	8.8%
Other Tankers						
Passenger Ships	53	4.7%	66	2.9%	119	3.5%
Offshore Vessels	19	1.7%	52	2.3%	71	2.1%
Service Ships						
Tugs						
Total	1,117	100%	2,282	100%	3,399	100%

Source: Equasis ⁽¹⁾ GT≥60.000**Table 20 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type and flag – 2009**

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			64	0.0%	64	0.0%
Container Ships	17,017	15.7%	39,286	17.6%	56,303	17.0%
Ro-Ro Cargo Ships	2,937	2.7%	3,971	1.8%	6,908	2.1%
Bulk Carriers	44,661	41.1%	44,260	19.9%	88,921	26.8%
Oil and Chemical Tankers	33,365	30.7%	95,466	42.9%	128,831	38.9%
Gas Tankers	3,971	3.7%	28,061	12.6%	32,031	9.7%
Other Tankers						
Passenger Ships	4,810	4.4%	6,369	2.9%	11,180	3.4%
Offshore Vessels	1,953	1.8%	5,281	2.4%	7,233	2.2%
Service Ships						
Tugs						
Total	108,714	100%	222,758	100%	331,472	100%

Source: Equasis ⁽¹⁾ GT≥60.000**Graph 19 - Total number of very large ships, by flag – 2009****Graph 20 - Gross tonnage of very large ships, by flag – 2009**

Chapter 3

3. Classification Societies

INTRODUCTION

Classification societies provide technical and surveying services for the shipping industry and undertake statutory surveys on behalf of flag states as so-called “*recognised organisations*”. These services are mostly provided by societies belonging to the International Association of Classification Societies (IACS). There is no requirement under international conventions for a ship to be “in class”. However the vast majority of ships (and their flag state) rely on meeting the standards of class in order to comply with the construction standard required under the SOLAS and Loadline conventions.

In 2009, IACS consisted of 10 member societies and one associate*:

- American Bureau of Shipping (ABS)
- Bureau Veritas (BV)
- China Classification Society (CCS)
- 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)
- Registro Italiano Navale (RINA²)
- Russian Maritime Register of Shipping (RS)

The tables in this chapter show the proportion of the included in Equasis GT≥500, in each size and type category, which is classed with members of IACS and those classed with recognised organisations which are not members of IACS. Data on class is provided by IACS members and, for non IACS recognised organisations, the

information is supplied by LRF when available.

There is also a proportion of ships which are either not classed or for which data is unavailable. These are shown as “Class not recorded”.

In chapter 3.3 the fleet is analysed according to class and flag status. Flags 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 by the three port state control regimes which feed their inspection results to Equasis (Paris MoU, Tokyo MoU and USCG [safety targeting]). A list of the flags is at Annex II.

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 and USCG regions. All detentions are counted, whether or not the recognised organisation has any responsibility towards the grounds for the detention

RESULTS

Graph 21 shows that the fleet included in Equasis over 500 GT is dominated by ships classed by IACS members (72% by number and 93% by tonnage). This proportion is reflected in most of the ship types although general cargo ships account for over 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% of the large and very large fleet, by number and tonnage, covered by IACS. Ships known to be covered by non-IACS members are almost all medium sized (Tables 23,25,27) (Note: it is likely that

² In 2009, RINA changed its official name to just 'RINA'.

some of the ships with class not recorded are in fact covered by a non-IACS society).

As Graphs 29,37,45 and 53 show the IACS' coverage is greater among the younger fleet and tends to diminishes with age – from 88% of ships aged up to 5 years to 47% of the fleet over 25 years old.

Graphs 61 and 69 show that the fleet of targeted flag ships has a lesser IACS coverage (67%) than the fleet of non targeted ships (77%).

The safety performance of the fleet included in Equasis over 500 GT, as measured by detention rates, shows that 4.27% of inspections resulted in detention in 2009. Those ships with an IACS class were less likely to be detained in 2009 (3.03%) than those with non-IACS members (12.82%) or with no class recorded (14.21%). This position was reflected across all ship sizes.

3.1. CLASS STATUS

Table 21 - World fleet GT≥500 : total number of ships, by type and class – 2009

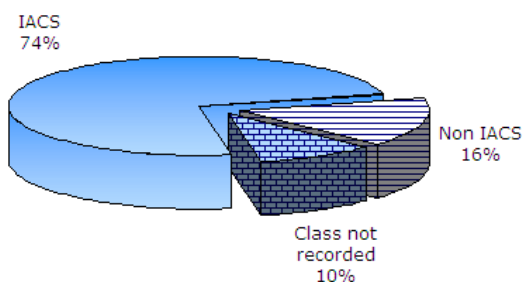
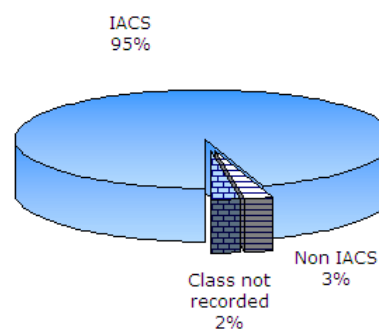
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	7,301	20.6%	3,690	49.2%	2,188	44.0%	13,179	27.5%
Specialized Cargo Ships	166	0.5%	29	0.4%	21	0.4%	216	0.5%
Container Ships	4,397	12.4%	132	1.8%	75	1.5%	4,604	9.6%
Ro-Ro Cargo Ships	1,323	3.7%	106	1.4%	90	1.8%	1,519	3.2%
Bulk Carriers	6,658	18.8%	528	7.0%	431	8.7%	7,617	15.9%
Oil and Chemical Tankers	7,823	22.1%	1,084	14.4%	794	16.0%	9,701	20.3%
Gas Tankers	1,284	3.6%	41	0.5%	122	2.5%	1,447	3.0%
Other Tankers	13	0.0%	8	0.1%	10	0.2%	31	0.1%
Passenger Ships	1,463	4.1%	1,027	13.7%	426	8.6%	2,916	6.1%
Offshore Vessels	3,292	9.3%	185	2.5%	329	6.6%	3,806	8.0%
Service Ships	1,072	3.0%	546	7.3%	376	7.6%	1,994	4.2%
Tugs	594	1.7%	128	1.7%	115	2.3%	837	1.7%
Total	35,386	100%	7,504	100%	4,977	100%	47,867	100%

Source: Equasis - IACS membership on 31/12/2009

Table 22 - World fleet GT≥500 : gross tonnage (in 1000 t) of ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	45,244	5.6%	8,685	40.1%	6,141	30.2%	60,071	7.1%
Specialized Cargo Ships	2,859	0.4%	90	0.4%	115	0.6%	3,064	0.4%
Container Ships	141,551	17.6%	681	3.1%	892	4.4%	143,125	16.9%
Ro-Ro Cargo Ships	38,752	4.8%	467	2.2%	406	2.0%	39,624	4.7%
Bulk Carriers	238,613	29.7%	4,751	21.9%	7,240	35.6%	250,604	29.6%
Oil and Chemical Tankers	243,269	30.3%	2,429	11.2%	2,717	13.4%	248,416	29.4%
Gas Tankers	44,754	5.6%	290	1.3%	266	1.3%	45,310	5.4%
Other Tankers	23	0.0%	9	0.0%	11	0.1%	42	0.0%
Passenger Ships	28,133	3.5%	2,912	13.4%	1,035	5.1%	32,080	3.8%
Offshore Vessels	15,608	1.9%	329	1.5%	532	2.6%	16,469	1.9%
Service Ships	4,564	0.6%	925	4.3%	884	4.3%	6,374	0.8%
Tugs	624	0.1%	98	0.5%	103	0.5%	825	0.1%
Total	803,995	100%	21,668	100%	20,342	100%	846,005	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 21 - World fleet GT≥500 : total number of ships, by class – 2009**Graph 22 - World fleet GT≥500 : gross tonnage of ships, by class – 2009**

MEDIUM SHIPS

Table 23 - Total number of medium⁽¹⁾ ships, by type and class – 2009

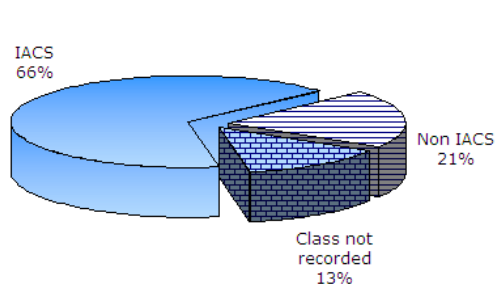
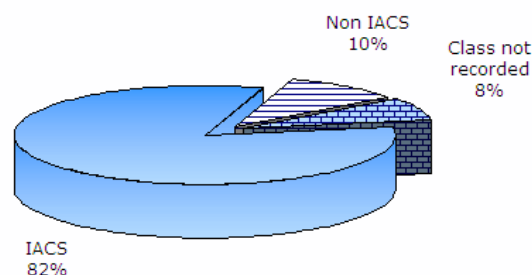
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	7,093	29.6%	3,690	49.5%	2,188	44.9%	12,971	35.7%
Specialized Cargo Ships	120	0.5%	29	0.4%	19	0.4%	168	0.5%
Container Ships	2,183	9.1%	131	1.8%	66	1.4%	2,380	6.6%
Ro-Ro Cargo Ships	682	2.8%	106	1.4%	89	1.8%	877	2.4%
Bulk Carriers	2,562	10.7%	497	6.7%	357	7.3%	3,416	9.4%
Oil and Chemical Tankers	4,583	19.1%	1,078	14.4%	779	16.0%	6,440	17.7%
Gas Tankers	797	3.3%	39	0.5%	121	2.5%	957	2.6%
Other Tankers	13	0.1%	8	0.1%	10	0.2%	31	0.1%
Passenger Ships	1,082	4.5%	1,027	13.8%	425	8.7%	2,534	7.0%
Offshore Vessels	3,183	13.3%	183	2.5%	327	6.7%	3,693	10.2%
Service Ships	1,061	4.4%	546	7.3%	374	7.7%	1,981	5.5%
Tugs	594	2.5%	128	1.7%	115	2.4%	837	2.3%
Total	23,953	100%	7,462	100%	4,870	100%	36,285	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Table 24 - Gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	38,990	22.7%	8,685	43.5%	6,141	38.8%	53,816	25.9%
Specialized Cargo Ships	1,157	0.7%	90	0.5%	46	0.3%	1,293	0.6%
Container Ships	26,698	15.5%	651	3.3%	396	2.5%	27,744	13.4%
Ro-Ro Cargo Ships	7,431	4.3%	467	2.3%	378	2.4%	8,275	4.0%
Bulk Carriers	39,201	22.8%	3,693	18.5%	4,456	28.2%	47,350	22.8%
Oil and Chemical Tankers	34,409	20.0%	2,176	10.9%	1,884	11.9%	38,469	18.5%
Gas Tankers	4,793	2.8%	51	0.3%	170	1.1%	5,014	2.4%
Other Tankers	23	0.0%	9	0.0%	11	0.1%	42	0.0%
Passenger Ships	7,690	4.5%	2,912	14.6%	1,009	6.4%	11,612	5.6%
Offshore Vessels	6,740	3.9%	186	0.9%	433	2.7%	7,359	3.5%
Service Ships	4,169	2.4%	925	4.6%	802	5.1%	5,896	2.8%
Tugs	624	0.4%	98	0.5%	103	0.7%	825	0.4%
Total	171,925	100%	19,944	100%	15,828	100%	207,697	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Graph 23 - Total number of medium ships, by class – 2009**Graph 24 - Gross tonnage of medium ships, by class – 2009**

LARGE SHIPS

Table 25 - Total number of large⁽¹⁾ ships, by type and class – 2009

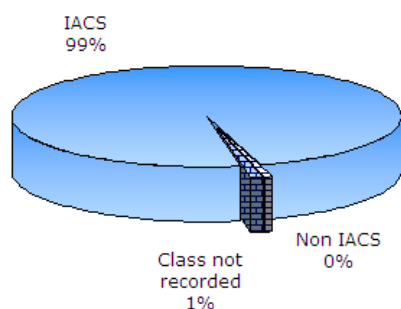
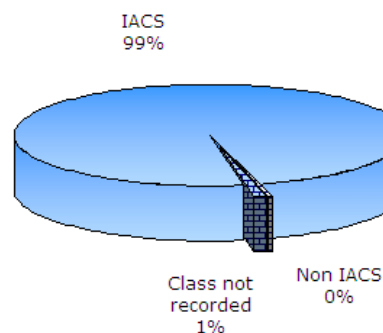
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	208	2.6%					208	2.5%
Specialized Cargo Ships	45	0.6%			2	2.2%	47	0.6%
Container Ships	1,534	19.0%	1	2.7%	6	6.7%	1,541	18.8%
Ro-Ro Cargo Ships	533	6.6%			1	1.1%	534	6.5%
Bulk Carriers	3,136	38.9%	30	81.1%	67	74.4%	3,233	39.5%
Oil and Chemical Tankers	2,098	26.0%	5	13.5%	9	10.0%	2,112	25.8%
Gas Tankers	190	2.4%					190	2.3%
Other Tankers								
Passenger Ships	262	3.3%			1	1.1%	263	3.2%
Offshore Vessels	39	0.5%	1	2.7%	2	2.2%	42	0.5%
Service Ships	11	0.1%			2	2.2%	13	0.2%
Tugs								
Total	8,056	100%	37	100%	90	100%	8,183	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 26 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	6,254	2.1%					6,254	2.0%
Specialized Cargo Ships	1,637	0.5%			69	2.3%	1,706	0.6%
Container Ships	58,815	19.4%	31	2.5%	232	7.8%	59,078	19.3%
Ro-Ro Cargo Ships	24,413	8.1%			28	0.9%	24,441	8.0%
Bulk Carriers	111,240	36.8%	963	78.6%	2,129	71.3%	114,333	37.3%
Oil and Chemical Tankers	80,623	26.6%	172	14.1%	321	10.7%	81,116	26.4%
Gas Tankers	8,265	2.7%					8,265	2.7%
Other Tankers								
Passenger Ships	9,264	3.1%			25	0.8%	9,289	3.0%
Offshore Vessels	1,719	0.6%	59	4.8%	99	3.3%	1,877	0.6%
Service Ships	395	0.1%			82	2.8%	478	0.2%
Tugs								
Total	302,626	100%	1,226	100%	2,985	100%	306,837	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 25 - Total number of large ships, by class – 2009**Graph 26 - Gross tonnage of large ships, by class – 2009**

VERY LARGE SHIPS

Table 27 - Total number of very large⁽¹⁾ ships, by type and class – 2009

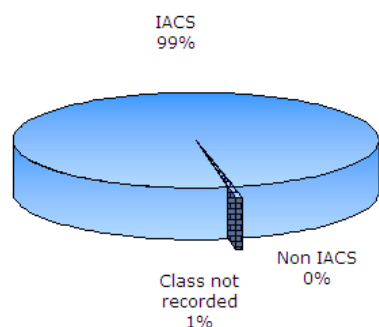
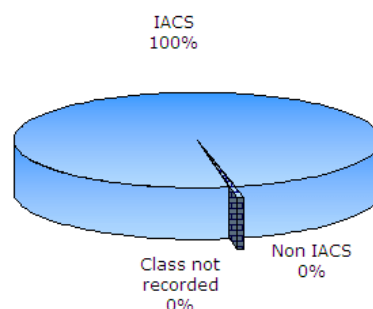
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	1	0.0%					1	0.0%
Container Ships	680	20.1%			3	17.6%	683	20.1%
Ro-Ro Cargo Ships	108	3.2%					108	3.2%
Bulk Carriers	960	28.4%	1	20.0%	7	41.2%	968	28.5%
Oil and Chemical Tankers	1,142	33.8%	1	20.0%	6	35.3%	1,149	33.8%
Gas Tankers	297	8.8%	2	40.0%	1	5.9%	300	8.8%
Other Tankers								
Passenger Ships	119	3.5%					119	3.5%
Offshore Vessels	70	2.1%	1	20.0%			71	2.1%
Service Ships								
Tugs								
Total	3,377	100%	5	100%	17	100%	3,399	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2009

Table 28 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	64	0.0%					64	0.0%
Container Ships	56,039	17.0%			264	17.3%	56,303	17.0%
Ro-Ro Cargo Ships	6,908	2.1%					6,908	2.1%
Bulk Carriers	88,172	26.8%	94	18.9%	655	42.8%	88,921	26.8%
Oil and Chemical Tankers	128,237	38.9%	81	16.3%	513	33.6%	128,831	38.9%
Gas Tankers	31,696	9.6%	239	47.9%	97	6.3%	32,031	9.7%
Other Tankers								
Passenger Ships	11,180	3.4%					11,180	3.4%
Offshore Vessels	7,149	2.2%	84	16.9%			7,233	2.2%
Service Ships								
Tugs								
Total	329,445	100%	499	100%	1,529	100%	331,472	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2009

Graph 27 - Total number of very large ships, by class – 2009**Graph 28 - Gross tonnage of very large ships, by class – 2009**

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 – 2009

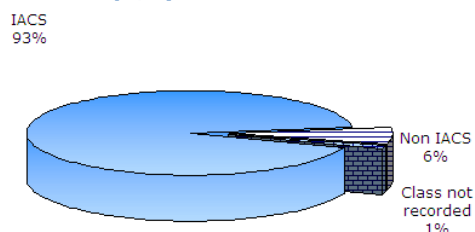
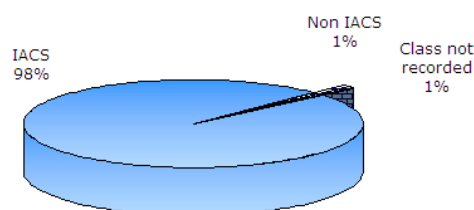
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,274	12.5%	378	52.9%	23	14.8%	1,675	15.2%
Specialized Cargo Ships	22	0.2%	1	0.1%			23	0.2%
Container Ships	1,685	16.6%	31	4.3%	11	7.1%	1,727	15.7%
Ro-Ro Cargo Ships	325	3.2%	1	0.1%			326	3.0%
Bulk Carriers	1,771	17.4%	70	9.8%	26	16.8%	1,867	16.9%
Oil and Chemical Tankers	2,987	29.4%	86	12.0%	21	13.5%	3,094	28.1%
Gas Tankers	422	4.2%	2	0.3%	2	1.3%	426	3.9%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	216	2.1%	89	12.5%	15	9.7%	320	2.9%
Offshore Vessels	1,174	11.6%	30	4.2%	42	27.1%	1,246	11.3%
Service Ships	125	1.2%	22	3.1%	8	5.2%	155	1.4%
Tugs	151	1.5%	4	0.6%	7	4.5%	162	1.5%
Total	10,153	100%	714	100%	155	100%	11,022	100%

Source: Equasis - IACS membership on 31/12/2009

Table 30 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 0-4 years old, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	8,823	3.0%	1,013	39.1%	94	5.1%	9,930	3.3%
Specialized Cargo Ships	261	0.1%	13	0.5%			274	0.1%
Container Ships	66,581	22.5%	130	5.0%	302	16.5%	67,014	22.3%
Ro-Ro Cargo Ships	14,641	5.0%	3	0.1%			14,643	4.9%
Bulk Carriers	74,045	25.1%	602	23.2%	694	38.0%	75,340	25.1%
Oil and Chemical Tankers	97,201	32.9%	282	10.9%	304	16.7%	97,787	32.6%
Gas Tankers	23,015	7.8%	239	9.2%	99	5.4%	23,353	7.8%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	6,107	2.1%	219	8.5%	192	10.5%	6,518	2.2%
Offshore Vessels	3,969	1.3%	40	1.5%	96	5.3%	4,105	1.4%
Service Ships	755	0.3%	49	1.9%	38	2.1%	843	0.3%
Tugs	173	0.1%	3	0.1%	7	0.4%	184	0.1%
Total	295,572	100%	2,593	100%	1,827	100%	299,991	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 29 - World fleet GT≥500: total number of 0-4 years old ships, by class – 2009**Graph 30 - World fleet GT≥500: gross tonnage of 0-4 years old of ships, by class – 2009**

0-4 YEARS OLD MEDIUM SHIPS

Table 31 - Total number of 0-4 years old medium⁽¹⁾ ships, by type and class - 2009

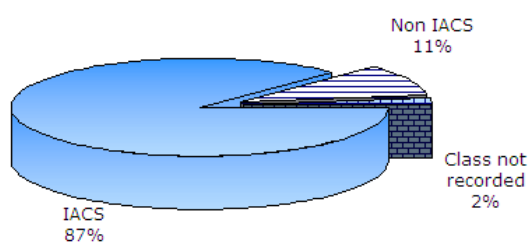
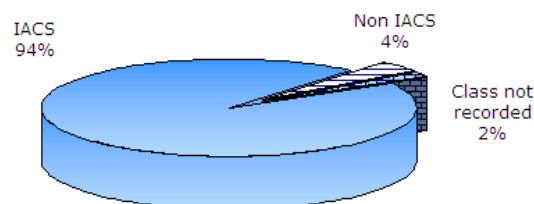
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	1,242	21.6%	378	54.0%	23	16.7%	1,643	24.9%
Specialized Cargo Ships	22	0.4%	1	0.1%			23	0.3%
Container Ships	679	11.8%	31	4.4%	7	5.1%	717	10.9%
Ro-Ro Cargo Ships	61	1.1%	1	0.1%			62	0.9%
Bulk Carriers	457	7.9%	59	8.4%	19	13.8%	535	8.1%
Oil and Chemical Tankers	1,550	26.9%	85	12.1%	17	12.3%	1,652	25.0%
Gas Tankers	185	3.2%			1	0.7%	186	2.8%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	137	2.4%	89	12.7%	14	10.1%	240	3.6%
Offshore Vessels	1,156	20.1%	30	4.3%	42	30.4%	1,228	18.6%
Service Ships	122	2.1%	22	3.1%	8	5.8%	152	2.3%
Tugs	151	2.6%	4	0.6%	7	5.1%	162	2.5%
Total	5,763	100%	700	100%	138	100%	6,601	100%

Source: Equasis - IACS membership on 31/12/2009

Table 32 - Gross tonnage (in 1000 t) of 0-4 years old medium⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	7,782	17.8%	1,013	54.0%	94	13.0%	8,889	19.2%
Specialized Cargo Ships	261	0.6%	13	0.7%			274	0.6%
Container Ships	8,584	19.7%	130	7.0%	47	6.5%	8,762	19.0%
Ro-Ro Cargo Ships	790	1.8%	3	0.1%			793	1.7%
Bulk Carriers	7,242	16.6%	203	10.8%	222	30.7%	7,667	16.6%
Oil and Chemical Tankers	13,135	30.1%	200	10.7%	48	6.7%	13,383	29.0%
Gas Tankers	1,445	3.3%			3	0.4%	1,447	3.1%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	677	1.6%	219	11.7%	166	23.0%	1,063	2.3%
Offshore Vessels	2,876	6.6%	40	2.1%	96	13.3%	3,012	6.5%
Service Ships	640	1.5%	49	2.6%	38	5.3%	728	1.6%
Tugs	173	0.4%	3	0.2%	7	1.0%	184	0.4%
Total	43,606	100%	1,875	100%	723	100%	46,203	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 31 - Total number of 0-4 years old medium ships, by class - 2009**Graph 32 - Gross tonnage of 0-4 years old medium ships, by class - 2009**

0-4 YEARS OLD LARGE SHIPS

Table 33 - Total number of 0-4 years old large⁽¹⁾ ships, by type and class - 2009

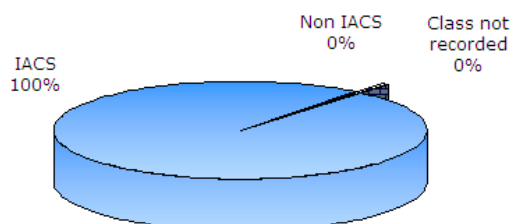
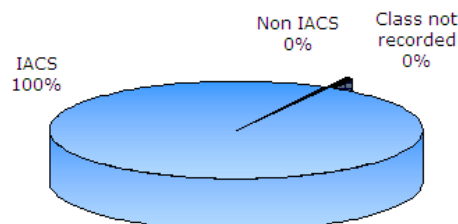
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	32	1.1%					32	1.1%
Specialized Cargo Ships								
Container Ships	632	21.3%			3	37.5%	635	21.3%
Ro-Ro Cargo Ships	190	6.4%					190	6.4%
Bulk Carriers	1,009	34.1%	10	100.0%	3	37.5%	1,022	34.3%
Oil and Chemical Tankers	965	32.6%			1	12.5%	966	32.4%
Gas Tankers	77	2.6%					77	2.6%
Other Tankers								
Passenger Ships	43	1.5%			1	12.5%	44	1.5%
Offshore Vessels	10	0.3%					10	0.3%
Service Ships	3	0.1%					3	0.1%
Tugs								
Total	2,961	100%	10	100%	8	100%	2,979	100%

Source: Equasis - IACS membership on 31/12/2009

Table 34 - Gross tonnage (in 1000 t) of 0-4 years old large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	1,040	0.9%					1,040	0.9%
Specialized Cargo Ships								
Container Ships	24,157	21.5%			123	44.0%	24,281	21.5%
Ro-Ro Cargo Ships	9,182	8.2%					9,182	8.1%
Bulk Carriers	37,355	33.2%	304	100.0%	104	37.1%	37,763	33.4%
Oil and Chemical Tankers	35,252	31.3%			28	10.0%	35,280	31.2%
Gas Tankers	3,396	3.0%					3,396	3.0%
Other Tankers								
Passenger Ships	1,510	1.3%			25	8.9%	1,535	1.4%
Offshore Vessels	524	0.5%					524	0.5%
Service Ships	115	0.1%					115	0.1%
Tugs								
Total	112,531	100%	304	100%	280	100%	113,116	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 33 - Total number of 0-4 years old large ships, by class - 2009**Graph 34 - Gross tonnage of 0-4 years old large ships, by class - 2009**

0-4 YEARS OLD VERY LARGE SHIPS

Table 35 - Total number of 0-4 years old very large⁽¹⁾ ships, by type and class - 2009

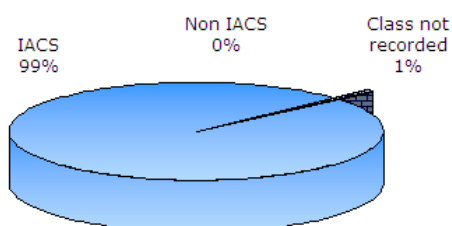
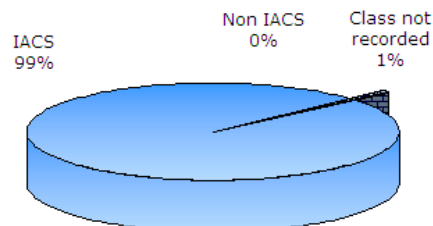
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	374	26.2%			1	11.1%	375	26.0%
Ro-Ro Cargo Ships	74	5.2%					74	5.1%
Bulk Carriers	305	21.3%	1	25.0%	4	44.4%	310	21.5%
Oil and Chemical Tankers	472	33.0%	1	25.0%	3	33.3%	476	33.0%
Gas Tankers	160	11.2%	2	50.0%	1	11.1%	163	11.3%
Other Tankers								
Passenger Ships	36	2.5%					36	2.5%
Offshore Vessels	8	0.6%					8	0.6%
Service Ships								
Tugs								
Total	1,429	100%	4	100%	9	100%	1,442	100%

Source: Equasis - IACS membership on 31/12/2009

Table 36 - Gross tonnage (in 1000 t) of 0-4 years old very large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	33,840	24.3%			131	15.9%	33,971	24.1%
Ro-Ro Cargo Ships	4,669	3.3%					4,669	3.3%
Bulk Carriers	29,447	21.1%	94	22.7%	368	44.7%	29,910	21.3%
Oil and Chemical Tankers	48,815	35.0%	81	19.6%	228	27.7%	49,124	34.9%
Gas Tankers	18,175	13.0%	239	57.6%	97	11.7%	18,510	13.2%
Other Tankers								
Passenger Ships	3,920	2.8%					3,920	2.8%
Offshore Vessels	569	0.4%					569	0.4%
Service Ships								
Tugs								
Total	139,434	100%	414	100%	824	100%	140,672	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 35 - Total number of 0-4 years old very large ships, by class - 2009**Graph 36 - Gross tonnage of 0-4 years old very large ships, by class - 2009**

5-14 YEARS OLD SHIPS

Table 37 - World fleet GT≥500: total number of 5-14 years old ships, by type and class - 2009

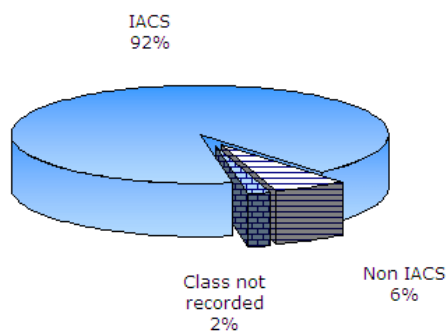
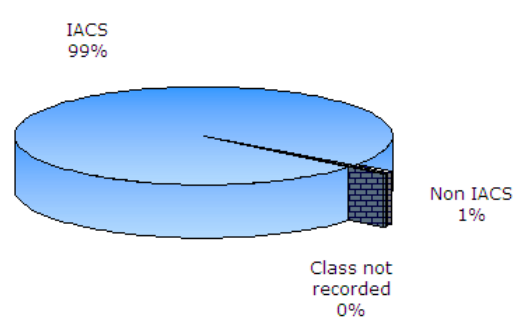
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	1,762	16.5%	304	40.6%	36	17.0%	2,102	19.1%
Specialized Cargo Ships	28	0.3%					28	0.3%
Container Ships	1,835	17.1%	27	3.6%	9	4.2%	1,871	17.0%
Ro-Ro Cargo Ships	396	3.7%	9	1.2%	3	1.4%	408	3.7%
Bulk Carriers	2,265	21.2%	38	5.1%	12	5.7%	2,315	21.0%
Oil and Chemical Tankers	2,522	23.6%	71	9.5%	21	9.9%	2,614	23.7%
Gas Tankers	399	3.7%	1	0.1%	6	2.8%	406	3.7%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	500	4.7%	203	27.1%	69	32.5%	772	7.0%
Offshore Vessels	687	6.4%	24	3.2%	6	2.8%	717	6.5%
Service Ships	216	2.0%	58	7.7%	47	22.2%	321	2.9%
Tugs	95	0.9%	14	1.9%	3	1.4%	112	1.0%
Total	10,706	100%	749	100%	212	100%	11,667	106%

Source: Equasis - IACS membership on 31/12/2009

Table 38 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 5-14 years old, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	12,806	4.4%	488	26.4%	102	13.7%	13,396	4.5%
Specialized Cargo Ships	344	0.1%					344	0.1%
Container Ships	55,238	18.8%	118	6.4%	158	21.3%	55,514	18.7%
Ro-Ro Cargo Ships	12,223	4.2%	13	0.7%	4	0.5%	12,240	4.1%
Bulk Carriers	82,495	28.1%	176	9.5%	100	13.6%	82,771	27.9%
Oil and Chemical Tankers	101,790	34.6%	149	8.0%	40	5.4%	101,978	34.4%
Gas Tankers	11,968	4.1%	2	0.1%	15	2.0%	11,986	4.0%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	12,384	4.2%	708	38.3%	180	24.3%	13,273	4.5%
Offshore Vessels	3,339	1.1%	76	4.1%	55	7.5%	3,470	1.2%
Service Ships	1,321	0.4%	103	5.6%	80	10.9%	1,504	0.5%
Tugs	96	0.0%	14	0.7%	5	0.7%	116	0.0%
Total	294,005	100%	1,847	100%	739	100%	296,592	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 37 - World fleet GT≥500: total number of 5-14 years old ships, by class - 2009**Graph 38 - World fleet GT≥500: gross tonnage of 5-14 years old of ships, by class - 2009**

5-14 YEARS OLD MEDIUM SHIPS

Table 39 - Total number of 5-14 years old medium⁽¹⁾ ships, by type and class - 2009

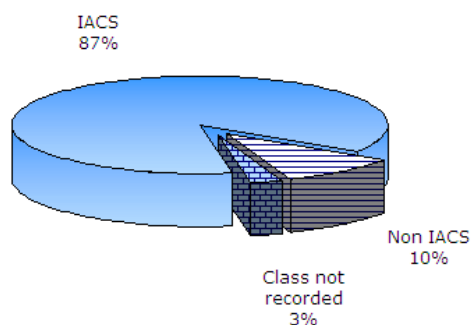
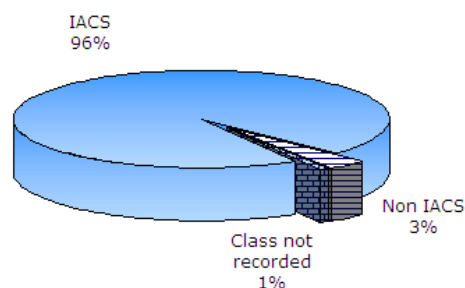
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,683	26.6%	304	40.8%	36	17.5%	2,023	27.8%
Specialized Cargo Ships	25	0.4%					25	0.3%
Container Ships	951	15.1%	27	3.6%	7	3.4%	985	13.5%
Ro-Ro Cargo Ships	209	3.3%	9	1.2%	3	1.5%	221	3.0%
Bulk Carriers	651	10.3%	36	4.8%	9	4.4%	696	9.6%
Oil and Chemical Tankers	1,246	19.7%	71	9.5%	21	10.2%	1,338	18.4%
Gas Tankers	269	4.3%	1	0.1%	6	2.9%	276	3.8%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	316	5.0%	203	27.2%	69	33.5%	588	8.1%
Offshore Vessels	660	10.4%	23	3.1%	5	2.4%	688	9.5%
Service Ships	212	3.4%	58	7.8%	47	22.8%	317	4.4%
Tugs	95	1.5%	14	1.9%	3	1.5%	112	1.5%
Total	6,318	100%	746	100%	206	100%	7,270	100%

Source: Equasis - IACS membership on 31/12/2009

Table 40 - Gross tonnage (in 1000 t) of 5-14 years old medium⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	10,328	19.9%	488	28.1%	102	21.2%	10,918	20.2%
Specialized Cargo Ships	224	0.4%					224	0.4%
Container Ships	11,503	22.2%	118	6.8%	25	5.1%	11,645	21.5%
Ro-Ro Cargo Ships	2,615	5.0%	13	0.8%	4	0.8%	2,632	4.9%
Bulk Carriers	9,931	19.2%	126	7.2%	21	4.4%	10,078	18.6%
Oil and Chemical Tankers	10,779	20.8%	149	8.6%	40	8.3%	10,968	20.3%
Gas Tankers	1,586	3.1%	2	0.1%	15	3.1%	1,603	3.0%
Other Tankers	1	0.0%					1	0.0%
Passenger Ships	1,920	3.7%	708	40.8%	180	37.5%	2,808	5.2%
Offshore Vessels	1,682	3.2%	17	0.9%	8	1.7%	1,707	3.2%
Service Ships	1,167	2.3%	103	5.9%	80	16.8%	1,351	2.5%
Tugs	96	0.2%	14	0.8%	5	1.1%	116	0.2%
Total	51,832	100%	1,738	100%	480	100%	54,050	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 39 - Total number of 5-14 years old medium ships, by class - 2009**Graph 40 - Gross tonnage of 5-14 years old medium ships, by class - 2009**

5-14 YEARS OLD LARGE SHIPS

Table 41 - Total number of 5-14 years old large⁽¹⁾ ships, by type and class - 2009

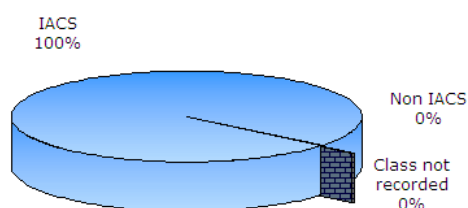
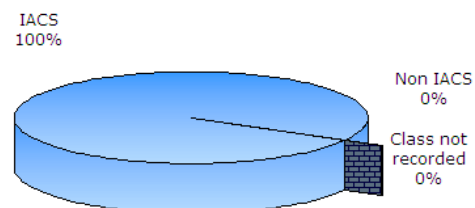
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	79	2.6%					79	2.6%
Specialized Cargo Ships	3	0.1%					3	0.1%
Container Ships	584	19.2%					584	19.1%
Ro-Ro Cargo Ships	153	5.0%					153	5.0%
Bulk Carriers	1,286	42.2%	2	66.7%	3	75.0%	1,291	42.3%
Oil and Chemical Tankers	763	25.1%					763	25.0%
Gas Tankers	49	1.6%					49	1.6%
Other Tankers								
Passenger Ships	111	3.6%					111	3.6%
Offshore Vessels	13	0.4%	1	33.3%	1	25.0%	15	0.5%
Service Ships	4	0.1%					4	0.1%
Tugs								
Total	3,045	100%	3	100%	4	100%	3,052	100%

Source: Equasis - IACS membership on 31/12/2009

Table 42 - Gross tonnage (in 1000 t) of 5-14 years old large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	2,478	2.2%					2,478	2.2%
Specialized Cargo Ships	120	0.1%					120	0.1%
Container Ships	21,906	19.4%					21,906	19.4%
Ro-Ro Cargo Ships	7,368	6.5%					7,368	6.5%
Bulk Carriers	44,139	39.1%	50	46.0%	79	62.6%	44,268	39.1%
Oil and Chemical Tankers	30,204	26.7%					30,204	26.7%
Gas Tankers	2,115	1.9%					2,115	1.9%
Other Tankers								
Passenger Ships	3,913	3.5%					3,913	3.5%
Offshore Vessels	558	0.5%	59	54.0%	47	37.4%	665	0.6%
Service Ships	154	0.1%					154	0.1%
Tugs								
Total	112,954	100%	109	100%	126	100%	113,190	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 41 - Total number of 5-14 years old large ships, by class - 2009**Graph 42 - Gross tonnage of 5-14 years old large ships, by class - 2009**

5-14 YEARS OLD VERY LARGE SHIPS

Table 43 - Total number of 5-14 years old very large⁽¹⁾ ships, by type and class - 2009

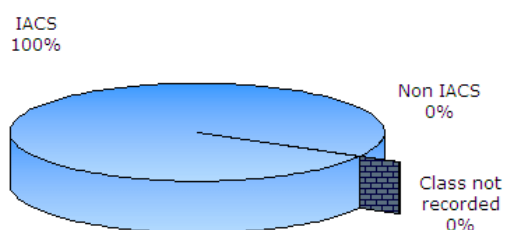
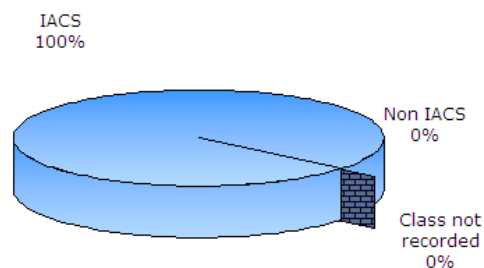
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	300	22.3%			2	100.0%	302	22.5%
Ro-Ro Cargo Ships	34	2.5%					34	2.5%
Bulk Carriers	328	24.4%					328	24.4%
Oil and Chemical Tankers	513	38.2%					513	38.1%
Gas Tankers	81	6.0%					81	6.0%
Other Tankers								
Passenger Ships	73	5.4%					73	5.4%
Offshore Vessels	14	1.0%					14	1.0%
Service Ships								
Tugs								
Total	1,343	100%	0	0%	2	100%	1,345	100%

Source: Equasis - IACS membership on 31/12/2009

Table 44 - Gross tonnage (in 1000 t) of 5-14 years old very large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	21,829	16.9%			133	100.0%	21,962	17.0%
Ro-Ro Cargo Ships	2,239	1.7%					2,239	1.7%
Bulk Carriers	28,425	22.0%					28,425	22.0%
Oil and Chemical Tankers	60,807	47.1%					60,807	47.0%
Gas Tankers	8,268	6.4%					8,268	6.4%
Other Tankers								
Passenger Ships	6,552	5.1%					6,552	5.1%
Offshore Vessels	1,099	0.9%					1,099	0.8%
Service Ships								
Tugs								
Total	129,219	100%	0	0%	133	100%	129,352	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 43 - Total number of 5-14 years old very large ships, by class - 2009**Graph 44 - Gross tonnage of 5-14 years old very large ships, by class - 2009**

15-24 YEARS OLD SHIPS

Table 45 - World fleet GT≥500: total number of 15-24 years old ships, by type and class - 2009

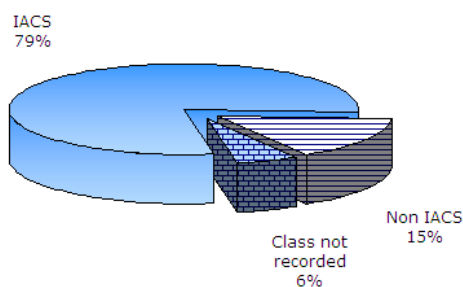
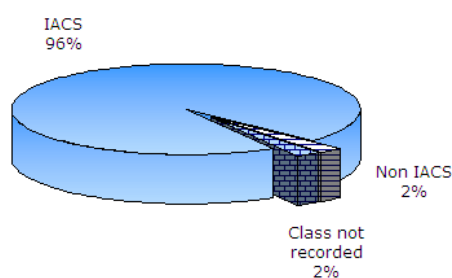
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,157	29.8%	683	48.1%	165	30.4%	3,005	32.6%
Specialized Cargo Ships	34	0.5%	2	0.1%			36	0.4%
Container Ships	671	9.3%	14	1.0%	8	1.5%	693	7.5%
Ro-Ro Cargo Ships	277	3.8%	24	1.7%	7	1.3%	308	3.3%
Bulk Carriers	1,322	18.2%	114	8.0%	97	17.9%	1,533	16.6%
Oil and Chemical Tankers	1,569	21.6%	177	12.5%	97	17.9%	1,843	20.0%
Gas Tankers	284	3.9%	6	0.4%	5	0.9%	295	3.2%
Other Tankers	1	0.0%	1	0.1%			2	0.0%
Passenger Ships	334	4.6%	265	18.7%	83	15.3%	682	7.4%
Offshore Vessels	263	3.6%	12	0.8%	15	2.8%	290	3.1%
Service Ships	275	3.8%	103	7.3%	51	9.4%	429	4.7%
Tugs	62	0.9%	18	1.3%	14	2.6%	94	1.0%
Total	7,249	100%	1,419	100%	542	100%	9,210	100%

Source: Equasis - IACS membership on 31/12/2009

Table 46 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 15-24 years old, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	12,302	8.9%	1,353	37.9%	398	12.3%	14,053	9.7%
Specialized Cargo Ships	908	0.7%	2	0.0%			910	0.6%
Container Ships	15,689	11.3%	156	4.4%	109	3.4%	15,954	11.0%
Ro-Ro Cargo Ships	6,406	4.6%	133	3.7%	23	0.7%	6,562	4.5%
Bulk Carriers	52,024	37.5%	668	18.7%	1,797	55.5%	54,489	37.5%
Oil and Chemical Tankers	37,908	27.3%	291	8.2%	450	13.9%	38,649	26.6%
Gas Tankers	4,796	3.5%	8	0.2%	6	0.2%	4,810	3.3%
Other Tankers	1	0.0%	1	0.0%			1	0.0%
Passenger Ships	5,412	3.9%	736	20.6%	224	6.9%	6,372	4.4%
Offshore Vessels	2,043	1.5%	31	0.9%	73	2.3%	2,147	1.5%
Service Ships	1,088	0.8%	180	5.0%	144	4.4%	1,411	1.0%
Tugs	61	0.0%	16	0.5%	17	0.5%	93	0.1%
Total	138,638	100%	3,576	100%	3,239	100%	145,453	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 45 - World fleet GT≥500: total number of 15-24 years old ships, by class - 2009**Graph 46 - World fleet GT≥500: gross tonnage of 15-24 years old of ships, by class - 2009**

15-24 YEARS OLD MEDIUM SHIPS

Table 47 - Total number of 15-24 years old medium⁽¹⁾ ships, by type and class - 2009

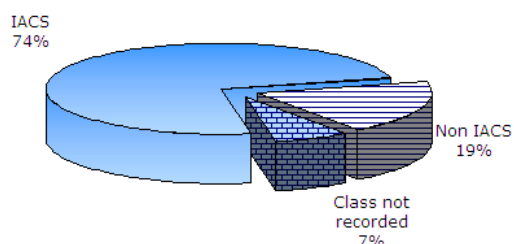
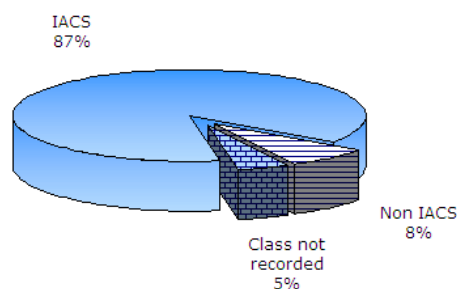
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,106	38.9%	683	48.3%	165	32.4%	2,954	40.3%
Specialized Cargo Ships	13	0.2%	2	0.1%			15	0.2%
Container Ships	426	7.9%	13	0.9%	7	1.4%	446	6.1%
Ro-Ro Cargo Ships	169	3.1%	24	1.7%	7	1.4%	200	2.7%
Bulk Carriers	537	9.9%	111	7.9%	69	13.6%	717	9.8%
Oil and Chemical Tankers	1,103	20.4%	176	12.4%	94	18.5%	1,373	18.7%
Gas Tankers	227	4.2%	6	0.4%	5	1.0%	238	3.2%
Other Tankers	1	0.0%	1	0.1%			2	0.0%
Passenger Ships	247	4.6%	265	18.7%	83	16.3%	595	8.1%
Offshore Vessels	247	4.6%	12	0.8%	14	2.8%	273	3.7%
Service Ships	273	5.0%	103	7.3%	51	10.0%	427	5.8%
Tugs	62	1.1%	18	1.3%	14	2.8%	94	1.3%
Total	5,411	100%	1,414	100%	509	100%	7,334	100%

Source: Equasis - IACS membership on 31/12/2009

Table 48 - Gross tonnage (in 1000 t) of 15-24 years old medium⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	10,871	29.2%	1,353	40.0%	398	20.3%	12,622	29.7%
Specialized Cargo Ships	83	0.2%	2	0.1%			85	0.2%
Container Ships	5,239	14.1%	125	3.7%	79	4.0%	5,443	12.8%
Ro-Ro Cargo Ships	1,559	4.2%	133	3.9%	23	1.2%	1,715	4.0%
Bulk Carriers	8,226	22.1%	557	16.4%	841	42.9%	9,624	22.6%
Oil and Chemical Tankers	6,619	17.8%	242	7.1%	207	10.6%	7,069	16.6%
Gas Tankers	1,154	3.1%	8	0.2%	6	0.3%	1,168	2.7%
Other Tankers	1	0.0%	1	0.0%			1	0.0%
Passenger Ships	1,854	5.0%	736	21.8%	224	11.4%	2,814	6.6%
Offshore Vessels	509	1.4%	31	0.9%	21	1.1%	561	1.3%
Service Ships	1,025	2.8%	180	5.3%	144	7.3%	1,349	3.2%
Tugs	61	0.2%	16	0.5%	17	0.8%	93	0.2%
Total	37,201	100%	3,384	100%	1,959	100%	42,544	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 47 - Total number of 15-24 years old medium ships, by class - 2009**Graph 48 - Gross tonnage of 15-24 years old medium ships, by class - 2009**

15-24 YEARS OLD LARGE SHIPS

Table 49 - Total number of 15-24 years old large⁽¹⁾ ships, by type and class - 2009

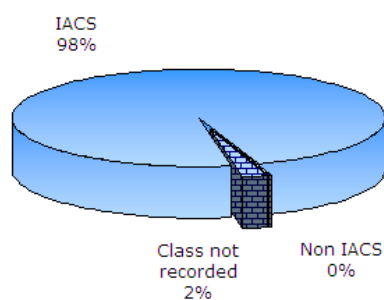
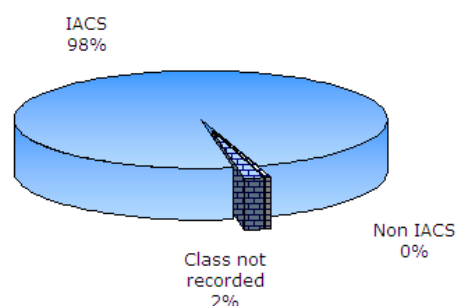
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	51	3.7%					51	3.6%
Specialized Cargo Ships	20	1.5%					20	1.4%
Container Ships	239	17.4%	1	20.0%	1	3.2%	241	17.1%
Ro-Ro Cargo Ships	108	7.9%					108	7.7%
Bulk Carriers	516	37.7%	3	60.0%	27	87.1%	546	38.8%
Oil and Chemical Tankers	316	23.1%	1	20.0%	2	6.5%	319	22.7%
Gas Tankers	37	2.7%					37	2.6%
Other Tankers								
Passenger Ships	77	5.6%					77	5.5%
Offshore Vessels	4	0.3%			1	3.2%	5	0.4%
Service Ships	2	0.1%					2	0.1%
Tugs								
Total	1,370	100%	5	100%	31	100%	1,406	100%

Source: Equasis - IACS membership on 31/12/2009

Table 50 - Gross tonnage (in 1000 t) of 15-24 years old large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	1,431	2.7%					1,431	2.6%
Specialized Cargo Ships	760	1.4%					760	1.4%
Container Ships	10,080	18.9%	31	16.1%	31	3.1%	10,142	18.6%
Ro-Ro Cargo Ships	4,847	9.1%					4,847	8.9%
Bulk Carriers	18,116	34.0%	111	58.0%	801	82.1%	19,028	34.9%
Oil and Chemical Tankers	13,350	25.0%	50	25.9%	92	9.4%	13,492	24.8%
Gas Tankers	1,620	3.0%					1,620	3.0%
Other Tankers								
Passenger Ships	2,851	5.3%					2,851	5.2%
Offshore Vessels	178	0.3%			52	5.3%	230	0.4%
Service Ships	63	0.1%					63	0.1%
Tugs								
Total	53,296	100%	192	100%	976	100%	54,464	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 49 - Total number of 15-24 years old large ships, by class - 2009**Graph 50 - Gross tonnage of 15-24 years old large ships, by class - 2009**

15-24 YEARS OLD VERY LARGE SHIPS

Table 51 - Total number of 15-24 years old very large⁽¹⁾ ships, by type and class - 2009

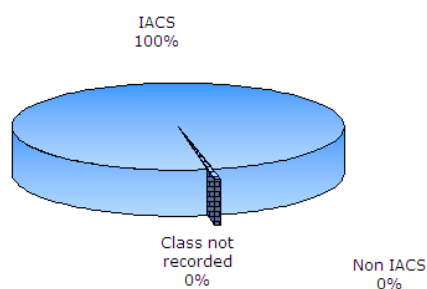
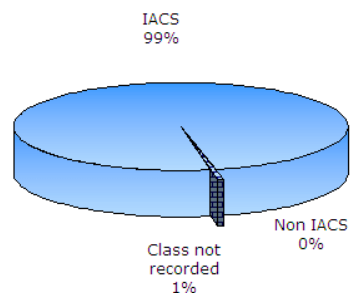
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	1	0.2%					1	0.2%
Container Ships	6	1.3%					6	1.3%
Ro-Ro Cargo Ships								
Bulk Carriers	269	57.5%			1	50.0%	270	57.4%
Oil and Chemical Tankers	150	32.1%			1	50.0%	151	32.1%
Gas Tankers	20	4.3%					20	4.3%
Other Tankers								
Passenger Ships	10	2.1%					10	2.1%
Offshore Vessels	12	2.6%					12	2.6%
Service Ships								
Tugs								
Total	468	100%	0	0%	2	100%	470	100%

Source: Equasis - IACS membership on 31/12/2009

Table 52 - Gross tonnage (in 1000 t) of 15-24 years old very large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	64	0.1%					64	0.1%
Container Ships	370	0.8%					370	0.8%
Ro-Ro Cargo Ships								
Bulk Carriers	25,682	53.3%			155	50.7%	25,837	53.3%
Oil and Chemical Tankers	17,939	37.3%			150	49.3%	18,089	37.3%
Gas Tankers	2,023	4.2%					2,023	4.2%
Other Tankers								
Passenger Ships	708	1.5%					708	1.5%
Offshore Vessels	1,356	2.8%					1,356	2.8%
Service Ships								
Tugs								
Total	48,141	100%	0	0%	305	100%	48,446	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 51 - Total number of 15-24 years old very large ships, by class - 2009**Graph 52 - Gross tonnage of 15-24 years old very large ships, by class - 2009**

25+ YEARS OLD SHIPS

Table 53 - World fleet GT≥500: total number of 25+ years old ships, by type and class - 2009

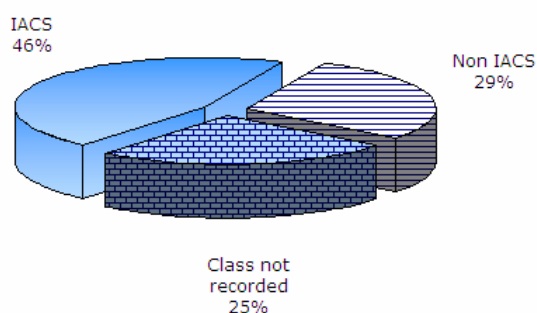
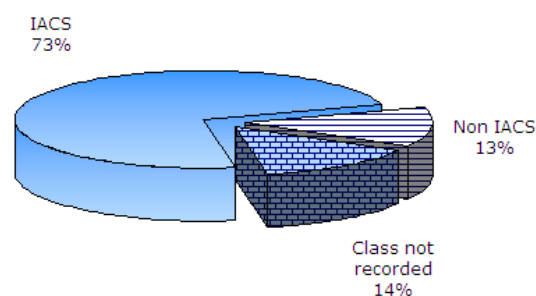
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,108	29.0%	2,325	50.3%	1,964	48.3%	6,397	40.1%
Specialized Cargo Ships	82	1.1%	26	0.6%	21	0.5%	129	0.8%
Container Ships	206	2.8%	60	1.3%	47	1.2%	313	2.0%
Ro-Ro Cargo Ships	325	4.5%	72	1.6%	80	2.0%	477	3.0%
Bulk Carriers	1,300	17.9%	306	6.6%	296	7.3%	1,902	11.9%
Oil and Chemical Tankers	745	10.2%	750	16.2%	655	16.1%	2,150	13.5%
Gas Tankers	179	2.5%	32	0.7%	109	2.7%	320	2.0%
Other Tankers	10	0.1%	7	0.2%	10	0.2%	27	0.2%
Passenger Ships	413	5.7%	470	10.2%	259	6.4%	1,142	7.2%
Offshore Vessels	1,168	16.0%	119	2.6%	266	6.5%	1,553	9.7%
Service Ships	456	6.3%	363	7.9%	270	6.6%	1,089	6.8%
Tugs	286	3.9%	92	2.0%	91	2.2%	469	2.9%
Total	7,278	100%	4,622	100%	4,068	100%	15,968	100%

Source: Equasis - IACS membership on 31/12/2009

Table 54 - World fleet GT≥500: gross tonnage (in 1000 t) of ships 25+ years old, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	11,314	14.9%	5,830	42.7%	5,548	38.2%	22,692	21.8%
Specialized Cargo Ships	1,346	1.8%	75	0.6%	115	0.8%	1,536	1.5%
Container Ships	4,043	5.3%	277	2.0%	324	2.2%	4,644	4.5%
Ro-Ro Cargo Ships	5,483	7.2%	318	2.3%	379	2.6%	6,179	5.9%
Bulk Carriers	30,049	39.7%	3,305	24.2%	4,650	32.0%	38,003	36.6%
Oil and Chemical Tankers	6,370	8.4%	1,708	12.5%	1,924	13.2%	10,002	9.6%
Gas Tankers	4,974	6.6%	40	0.3%	147	1.0%	5,161	5.0%
Other Tankers	20	0.0%	8	0.1%	11	0.1%	39	0.0%
Passenger Ships	4,229	5.6%	1,249	9.1%	440	3.0%	5,918	5.7%
Offshore Vessels	6,257	8.3%	183	1.3%	307	2.1%	6,747	6.5%
Service Ships	1,401	1.8%	593	4.3%	622	4.3%	2,615	2.5%
Tugs	294	0.4%	65	0.5%	73	0.5%	433	0.4%
Total	75,781	100%	13,652	100%	14,537	100%	103,970	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 53 - World fleet GT≥500: total number of 25+ years old ships, by class - 2009**Graph 54 - World fleet GT≥500: gross tonnage of 25+ years old of ships, by class - 2009**

25+ YEARS OLD MEDIUM SHIPS

Table 55 - Total number of 25+ years old medium⁽¹⁾ ships, by type and class - 2009

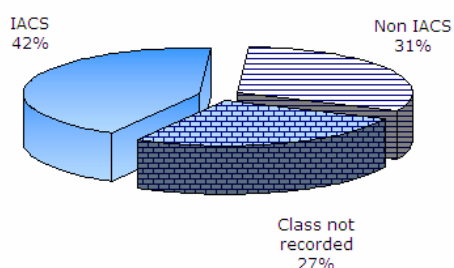
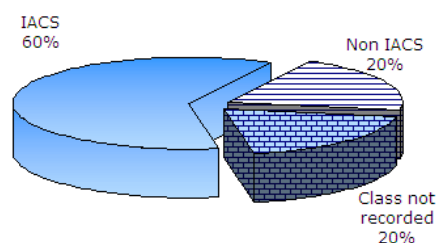
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	2,062	31.9%	2,325	50.5%	1,964	48.9%	6,351	42.1%
Specialized Cargo Ships	60	0.9%	26	0.6%	19	0.5%	105	0.7%
Container Ships	127	2.0%	60	1.3%	45	1.1%	232	1.5%
Ro-Ro Cargo Ships	243	3.8%	72	1.6%	79	2.0%	394	2.6%
Bulk Carriers	917	14.2%	291	6.3%	260	6.5%	1,468	9.7%
Oil and Chemical Tankers	684	10.6%	746	16.2%	647	16.1%	2,077	13.8%
Gas Tankers	116	1.8%	32	0.7%	109	2.7%	257	1.7%
Other Tankers	10	0.2%	7	0.2%	10	0.2%	27	0.2%
Passenger Ships	382	5.9%	470	10.2%	259	6.4%	1,111	7.4%
Offshore Vessels	1,120	17.3%	118	2.6%	266	6.6%	1,504	10.0%
Service Ships	454	7.0%	363	7.9%	268	6.7%	1,085	7.2%
Tugs	286	4.4%	92	2.0%	91	2.3%	469	3.1%
Total	6,461	100%	4,602	100%	4,017	100%	15,080	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Table 56 - Gross tonnage (in 1000 t) of 25+ years old medium⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	10,009	25.5%	5,830	45.0%	5,548	43.8%	21,387	33.0%
Specialized Cargo Ships	589	1.5%	75	0.6%	46	0.4%	710	1.1%
Container Ships	1,372	3.5%	277	2.1%	246	1.9%	1,895	2.9%
Ro-Ro Cargo Ships	2,466	6.3%	318	2.5%	351	2.8%	3,135	4.8%
Bulk Carriers	13,801	35.1%	2,807	21.7%	3,372	26.6%	19,981	30.8%
Oil and Chemical Tankers	3,876	9.9%	1,585	12.2%	1,588	12.5%	7,049	10.9%
Gas Tankers	610	1.6%	40	0.3%	147	1.2%	796	1.2%
Other Tankers	20	0.1%	8	0.1%	11	0.1%	39	0.1%
Passenger Ships	3,239	8.2%	1,249	9.6%	440	3.5%	4,927	7.6%
Offshore Vessels	1,673	4.3%	99	0.8%	307	2.4%	2,079	3.2%
Service Ships	1,337	3.4%	593	4.6%	539	4.3%	2,469	3.8%
Tugs	294	0.7%	65	0.5%	73	0.6%	433	0.7%
Total	39,286	100%	12,948	100%	12,667	100%	64,900	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Graph 55 - Total number of 25+ years old medium ships, by class - 2009**Graph 56 - Gross tonnage of 25+ years old medium ships, by class - 2009**

25+ YEARS OLD LARGE SHIPS

Table 57 - Total number of 25+ years old large⁽¹⁾ ships, by type and class - 2009

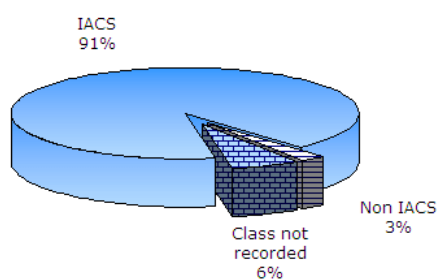
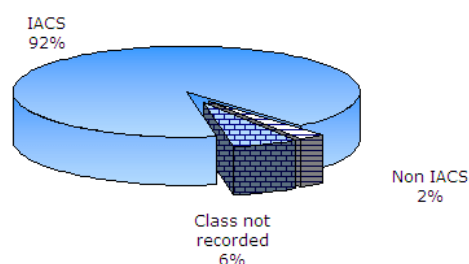
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	46	6.8%					46	6.2%
Specialized Cargo Ships	22	3.2%			2	4.3%	24	3.2%
Container Ships	79	11.6%			2	4.3%	81	10.9%
Ro-Ro Cargo Ships	82	12.1%			1	2.1%	83	11.1%
Bulk Carriers	325	47.8%	15	78.9%	34	72.3%	374	50.1%
Oil and Chemical Tankers	54	7.9%	4	21.1%	6	12.8%	64	8.6%
Gas Tankers	27	4.0%					27	3.6%
Other Tankers								
Passenger Ships	31	4.6%					31	4.2%
Offshore Vessels	12	1.8%					12	1.6%
Service Ships	2	0.3%			2	4.3%	4	0.5%
Tugs								
Total	680	100%	19	100%	47	100%	746	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 58 - Gross tonnage (in 1000 t) of 25+ years old large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	1,305	5.5%					1,305	5.0%
Specialized Cargo Ships	757	3.2%			69	4.3%	826	3.2%
Container Ships	2,671	11.2%			78	4.9%	2,749	10.5%
Ro-Ro Cargo Ships	3,017	12.7%			28	1.7%	3,045	11.7%
Bulk Carriers	11,630	48.8%	498	80.3%	1,145	71.4%	13,273	50.9%
Oil and Chemical Tankers	1,817	7.6%	122	19.7%	201	12.5%	2,140	8.2%
Gas Tankers	1,135	4.8%					1,135	4.4%
Other Tankers								
Passenger Ships	991	4.2%					991	3.8%
Offshore Vessels	458	1.9%					458	1.8%
Service Ships	64	0.3%			82	5.1%	146	0.6%
Tugs								
Total	23,845	100%	620	100%	1,603	100%	26,068	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 57 - Total number of 25+ years old large ships, by class - 2009**Graph 58 - Gross tonnage of 25+ years old large ships, by class - 2009**

25+ YEARS OLD VERY LARGE SHIPS

Table 59 - Total number of 25+ years old very large⁽¹⁾ ships, by type and class - 2009

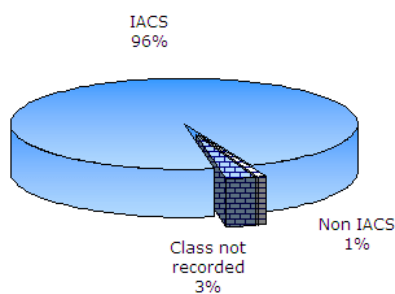
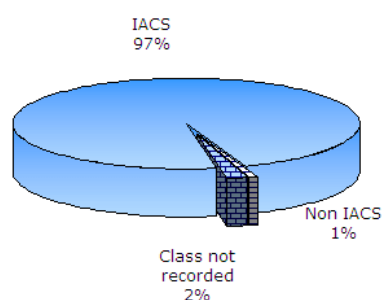
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships								
Ro-Ro Cargo Ships								
Bulk Carriers	58	42.3%			2	50.0%	60	42.3%
Oil and Chemical Tankers	7	5.1%			2	50.0%	9	6.3%
Gas Tankers	36	26.3%					36	25.4%
Other Tankers								
Passenger Ships								
Offshore Vessels	36	26.3%	1	100.0%			37	26.1%
Service Ships								
Tugs								
Total	137	100%	1	100%	4	100%	142	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 60 - Gross tonnage (in 1000 t) of 25+ years old very large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships								
Ro-Ro Cargo Ships								
Bulk Carriers	4,617	36.5%			132	49.5%	4,750	36.5%
Oil and Chemical Tankers	677	5.4%			135	50.5%	812	6.2%
Gas Tankers	3,230	25.5%					3,230	24.8%
Other Tankers								
Passenger Ships								
Offshore Vessels	4,126	32.6%	84	100.0%			4,210	32.4%
Service Ships								
Tugs								
Total	12,650	100%	84	100%	267	100%	13,001	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 59 - Total number of 25+ years old very large ships, by class - 2009**Graph 60 - Gross tonnage of 25+ years old very large ships, by class - 2009**

3.3. CLASS STATUS AND FLAG

TARGETED FLAGS - WHOLE FLEET

Table 61 - World fleet GT≥500: total number of targeted flag ships, by type and class – 2009

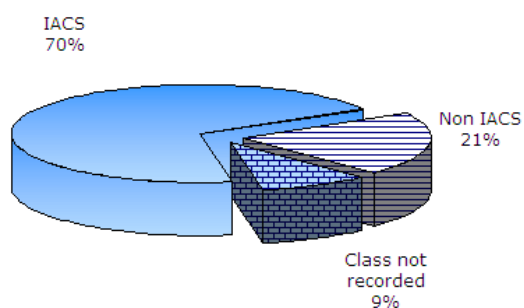
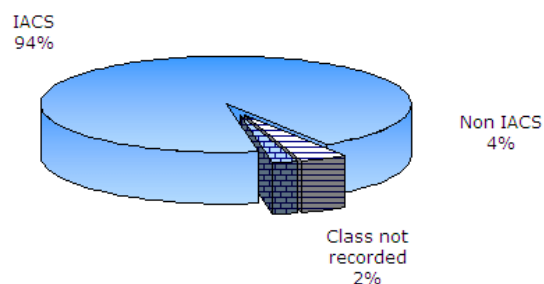
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	4,655	30.8%	2,776	60.6%	1,071	52.7%	8,502	39.1%
Specialized Cargo Ships	71	0.5%	22	0.5%	14	0.7%	107	0.5%
Container Ships	1,509	10.0%	93	2.0%	32	1.6%	1,634	7.5%
Ro-Ro Cargo Ships	624	4.1%	62	1.4%	50	2.5%	736	3.4%
Bulk Carriers	3,365	22.2%	338	7.4%	124	6.1%	3,827	17.6%
Oil and Chemical Tankers	2,801	18.5%	586	12.8%	330	16.2%	3,717	17.1%
Gas Tankers	366	2.4%	27	0.6%	63	3.1%	456	2.1%
Other Tankers	9	0.1%	3	0.1%	4	0.2%	16	0.1%
Passenger Ships	476	3.1%	383	8.4%	71	3.5%	930	4.3%
Offshore Vessels	749	4.9%	72	1.6%	117	5.8%	938	4.3%
Service Ships	342	2.3%	183	4.0%	119	5.9%	644	3.0%
Tugs	171	1.1%	39	0.9%	39	1.9%	249	1.1%
Total	15,138	100%	4,584	100%	2,034	100%	21,756	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 62 - World fleet GT≥500: gross tonnage (in 1000 t) of targeted flagships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	24,417	8.3%	6,657	49.6%	2,713	40.2%	33,787	10.7%
Specialized Cargo Ships	1,088	0.4%	81	0.6%	61	0.9%	1,231	0.4%
Container Ships	42,337	14.4%	484	3.6%	452	6.7%	43,273	13.7%
Ro-Ro Cargo Ships	18,288	6.2%	295	2.2%	226	3.3%	18,809	6.0%
Bulk Carriers	118,131	40.1%	2,744	20.4%	1,708	25.3%	122,583	38.9%
Oil and Chemical Tankers	66,718	22.6%	1,516	11.3%	843	12.5%	69,076	21.9%
Gas Tankers	7,969	2.7%	39	0.3%	83	1.2%	8,092	2.6%
Other Tankers	11	0.0%	3	0.0%	4	0.1%	18	0.0%
Passenger Ships	10,545	3.6%	1,133	8.4%	172	2.5%	11,850	3.8%
Offshore Vessels	3,551	1.2%	158	1.2%	179	2.7%	3,887	1.2%
Service Ships	1,367	0.5%	281	2.1%	267	3.9%	1,915	0.6%
Tugs	221	0.1%	33	0.2%	46	0.7%	300	0.1%
Total	294,643	100%	13,425	100%	6,752	100%	314,819	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 61 - Total number of targeted flag ships GT≥500, by class – 2009**Graph 62 - Gross tonnage of targeted flag ships GT≥500, by class – 2009**

TARGETED FLAGS – MEDIUM SHIPS

Table 63 - Total number of targeted flag medium⁽¹⁾ ships, by type and class – 2009

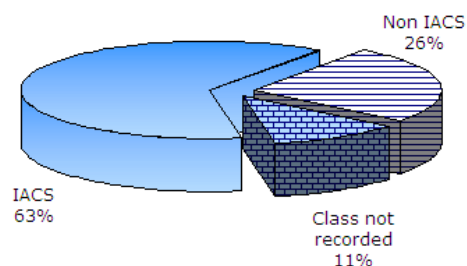
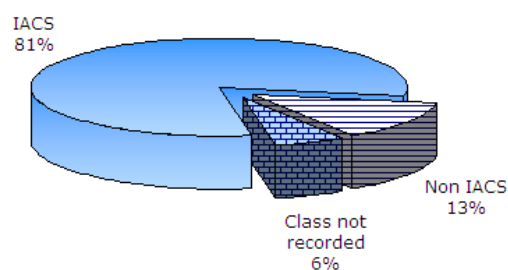
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,620	41.5%	2,776	60.8%	1,071	53.2%	8,467	47.8%
Specialized Cargo Ships	55	0.5%	22	0.5%	13	0.6%	90	0.5%
Container Ships	914	8.2%	93	2.0%	28	1.4%	1,035	5.8%
Ro-Ro Cargo Ships	306	2.7%	62	1.4%	50	2.5%	418	2.4%
Bulk Carriers	1,416	12.7%	326	7.1%	110	5.5%	1,852	10.5%
Oil and Chemical Tankers	1,994	17.9%	582	12.7%	328	16.3%	2,904	16.4%
Gas Tankers	265	2.4%	27	0.6%	63	3.1%	355	2.0%
Other Tankers	9	0.1%	3	0.1%	4	0.2%	16	0.1%
Passenger Ships	328	2.9%	383	8.4%	71	3.5%	782	4.4%
Offshore Vessels	722	6.5%	71	1.6%	116	5.8%	909	5.1%
Service Ships	337	3.0%	183	4.0%	119	5.9%	639	3.6%
Tugs	171	1.5%	39	0.9%	39	1.9%	249	1.4%
Total	11,137	100%	4,567	100%	2,012	100%	17,716	100%

Source: Equasis - ⁽¹⁾500≤GT<25.000 - IACS membership on 31/12/2009

Table 64 - Gross tonnage (in 1000 t) of targeted flag medium⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	23,438	30.0%	6,657	52.5%	2,713	46.8%	32,808	33.9%
Specialized Cargo Ships	532	0.7%	81	0.6%	31	0.5%	644	0.7%
Container Ships	10,163	13.0%	484	3.8%	172	3.0%	10,819	11.2%
Ro-Ro Cargo Ships	3,013	3.9%	295	2.3%	226	3.9%	3,533	3.7%
Bulk Carriers	21,542	27.5%	2,268	17.9%	1,186	20.4%	24,996	25.8%
Oil and Chemical Tankers	13,249	16.9%	1,325	10.5%	776	13.4%	15,350	15.9%
Gas Tankers	1,287	1.6%	39	0.3%	83	1.4%	1,410	1.5%
Other Tankers	11	0.0%	3	0.0%	4	0.1%	18	0.0%
Passenger Ships	2,288	2.9%	1,133	8.9%	172	3.0%	3,592	3.7%
Offshore Vessels	1,275	1.6%	74	0.6%	127	2.2%	1,476	1.5%
Service Ships	1,215	1.6%	281	2.2%	267	4.6%	1,762	1.8%
Tugs	221	0.3%	33	0.3%	46	0.8%	300	0.3%
Total	78,234	100%	12,674	100%	5,802	100%	96,709	100%

Source: Equasis - ⁽¹⁾500≤GT<25.000 - IACS membership on 31/12/2009

Graph 63 - Total number of targeted flag medium ships, by class – 2009**Graph 64 - Gross tonnage of targeted flag medium ships, by class – 2009**

TARGETED FLAGS – LARGE SHIPS

Table 65 - Total number of targeted flag large⁽¹⁾ ships, by type and class – 2009

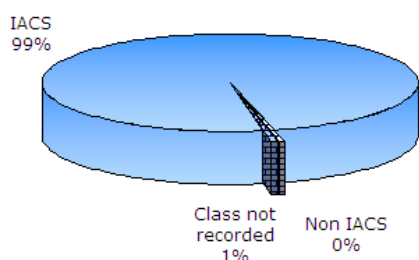
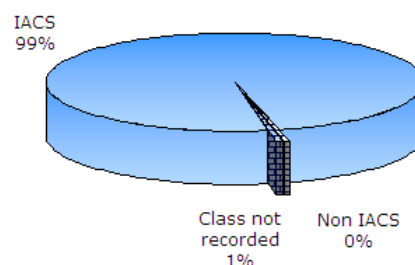
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	35	1.2%					35	1.2%
Specialized Cargo Ships	16	0.6%			1	5.3%	17	0.6%
Container Ships	387	13.4%			2	10.5%	389	13.3%
Ro-Ro Cargo Ships	271	9.4%					271	9.3%
Bulk Carriers	1,463	50.6%	11	78.6%	13	68.4%	1,487	50.9%
Oil and Chemical Tankers	547	18.9%	3	21.4%	2	10.5%	552	18.9%
Gas Tankers	62	2.1%					62	2.1%
Other Tankers								
Passenger Ships	95	3.3%					95	3.3%
Offshore Vessels	9	0.3%			1	5.3%	10	0.3%
Service Ships	5	0.2%					5	0.2%
Tugs								
Total	2,890	100%	14	100%	19	100%	2,923	100%

Source: Equasis - ⁽¹⁾25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 66 - Gross tonnage (in 1000 t) of targeted flag large⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	979	0.9%					979	0.9%
Specialized Cargo Ships	556	0.5%			30	4.6%	586	0.5%
Container Ships	15,355	14.2%			82	12.5%	15,437	14.1%
Ro-Ro Cargo Ships	12,339	11.4%					12,339	11.3%
Bulk Carriers	52,117	48.1%	382	77.8%	427	64.8%	52,926	48.4%
Oil and Chemical Tankers	20,185	18.6%	109	22.2%	67	10.2%	20,361	18.6%
Gas Tankers	2,711	2.5%					2,711	2.5%
Other Tankers								
Passenger Ships	3,447	3.2%					3,447	3.2%
Offshore Vessels	406	0.4%			52	7.9%	459	0.4%
Service Ships	152	0.1%					152	0.1%
Tugs								
Total	108,247	100%	491	100%	658	100%	109,396	100%

Source: Equasis - ⁽¹⁾25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 65 - Total number of targeted flag large ships, by class – 2009**Graph 66 - Gross tonnage of targeted flag large ships, by class – 2009**

TARGETED FLAGS – VERY LARGE SHIPS

Table 67 - Total number of targeted flag very large⁽¹⁾ ships, by type and class – 2009

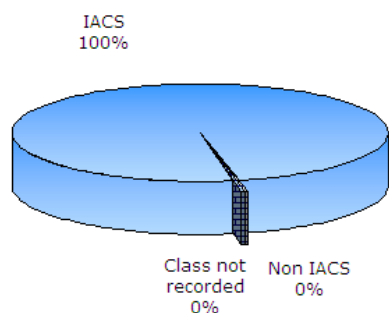
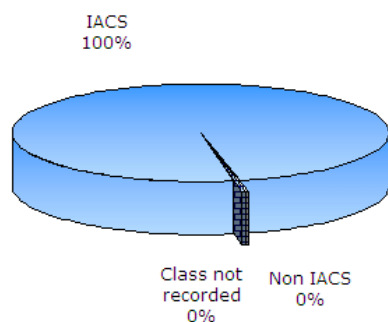
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	208	18.7%			2	66.7%	210	18.8%
Ro-Ro Cargo Ships	47	4.2%					47	4.2%
Bulk Carriers	486	43.7%	1	33.3%	1	33.3%	488	43.7%
Oil and Chemical Tankers	260	23.4%	1	33.3%			261	23.4%
Gas Tankers	39	3.5%					39	3.5%
Other Tankers								
Passenger Ships	53	4.8%					53	4.7%
Offshore Vessels	18	1.6%	1	33.3%			19	1.7%
Service Ships								
Tugs								
Total	1,111	100%	3	100%	3	100%	1,117	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2009

Table 68 - Gross tonnage (in 1000 t) of targeted flag very large⁽¹⁾ ships, by type and class – 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships								
Container Ships	16,819	15.6%			198	67.6%	17,017	15.7%
Ro-Ro Cargo Ships	2,937	2.7%					2,937	2.7%
Bulk Carriers	44,472	41.1%	94	36.3%	95	32.4%	44,661	41.1%
Oil and Chemical Tankers	33,284	30.8%	81	31.3%			33,365	30.7%
Gas Tankers	3,971	3.7%					3,971	3.7%
Other Tankers								
Passenger Ships	4,810	4.4%					4,810	4.4%
Offshore Vessels	1,869	1.7%	84	32.4%			1,953	1.8%
Service Ships								
Tugs								
Total	108,162	100%	260	100%	293	100%	108,714	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2009

Graph 67 - Total number of targeted flag very large ships, by class – 2009**Graph 68 - Gross tonnage of targeted flag very large ships, by class – 2009**

NON TARGETED FLAGS – WORLD FLEET GT≥500

Table 69 - World fleet GT≥500: total number of non targeted flag ships, by type and class – 2009

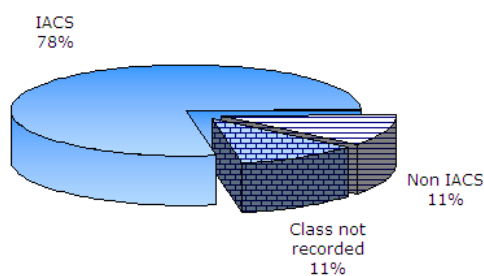
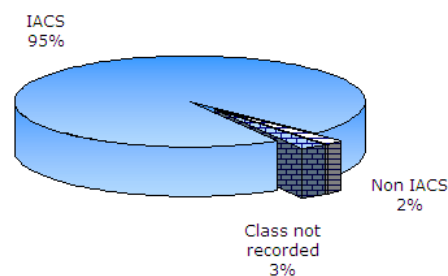
Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,646	13.1%	914	31.3%	1,117	38.0%	4,677	17.9%
Specialized Cargo Ships	95	0.5%	7	0.2%	7	0.2%	109	0.4%
Container Ships	2,888	14.3%	39	1.3%	43	1.5%	2,970	11.4%
Ro-Ro Cargo Ships	699	3.5%	44	1.5%	40	1.4%	783	3.0%
Bulk Carriers	3,293	16.3%	190	6.5%	307	10.4%	3,790	14.5%
Oil and Chemical Tankers	5,022	24.8%	498	17.1%	464	15.8%	5,984	22.9%
Gas Tankers	918	4.5%	14	0.5%	59	2.0%	991	3.8%
Other Tankers	4	0.0%	5	0.2%	6	0.2%	15	0.1%
Passenger Ships	987	4.9%	644	22.1%	355	12.1%	1,986	7.6%
Offshore Vessels	2,543	12.6%	113	3.9%	212	7.2%	2,868	11.0%
Service Ships	730	3.6%	363	12.4%	257	8.7%	1,350	5.2%
Tugs	423	2.1%	89	3.0%	76	2.6%	588	2.3%
Total	20,248	100%	2,920	100%	2,943	100%	26,111	100%

Source: Equasis - IACS membership on 31/12/2009

Table 70 - Gross tonnage (in 1000 t) of non targeted flag ships, by type class and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	20,827	4.1%	2,028	24.6%	3,429	25.2%	26,283	4.9%
Specialized Cargo Ships	1,771	0.3%	9	0.1%	53	0.4%	1,833	0.3%
Container Ships	99,215	19.5%	197	2.4%	441	3.2%	99,853	18.8%
Ro-Ro Cargo Ships	20,464	4.0%	172	2.1%	180	1.3%	20,816	3.9%
Bulk Carriers	120,482	23.7%	2,006	24.3%	5,533	40.7%	128,021	24.1%
Oil and Chemical Tankers	176,552	34.7%	914	11.1%	1,874	13.8%	179,340	33.8%
Gas Tankers	36,785	7.2%	251	3.0%	183	1.3%	37,219	7.0%
Other Tankers	12	0.0%	6	0.1%	7	0.1%	25	0.0%
Passenger Ships	17,588	3.5%	1,779	21.6%	863	6.4%	20,231	3.8%
Offshore Vessels	12,058	2.4%	172	2.1%	353	2.6%	12,582	2.4%
Service Ships	3,198	0.6%	644	7.8%	618	4.5%	4,460	0.8%
Tugs	403	0.1%	65	0.8%	57	0.4%	525	0.1%
Total	509,353	100%	8,244	100%	13,590	100%	531,186	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 69 - Total number of non targeted flag ships GT≥500, by class – 2009**Graph 70 - Gross tonnage of non targeted flag ships GT≥500, by class – 2009**

NON TARGETED FLAGS – MEDIUM SHIPS

Table 71 - Total number of non targeted flag medium⁽¹⁾ ships, by type and class – 2009

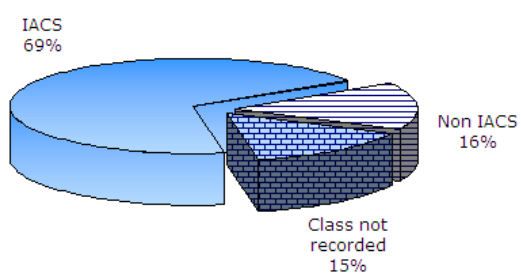
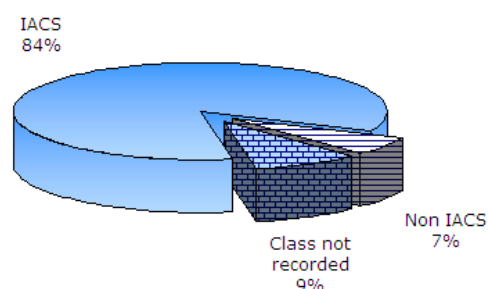
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	2,473	19.3%	914	31.6%	1,117	39.1%	4,504	24.3%
Specialized Cargo Ships	65	0.5%	7	0.2%	6	0.2%	78	0.4%
Container Ships	1,269	9.9%	38	1.3%	38	1.3%	1,345	7.2%
Ro-Ro Cargo Ships	376	2.9%	44	1.5%	39	1.4%	459	2.5%
Bulk Carriers	1,146	8.9%	171	5.9%	247	8.6%	1,564	8.4%
Oil and Chemical Tankers	2,589	20.2%	496	17.1%	451	15.8%	3,536	19.0%
Gas Tankers	532	4.2%	12	0.4%	58	2.0%	602	3.2%
Other Tankers	4	0.0%	5	0.2%	6	0.2%	15	0.1%
Passenger Ships	754	5.9%	644	22.2%	354	12.4%	1,752	9.4%
Offshore Vessels	2,461	19.2%	112	3.9%	211	7.4%	2,784	15.0%
Service Ships	724	5.6%	363	12.5%	255	8.9%	1,342	7.2%
Tugs	423	3.3%	89	3.1%	76	2.7%	588	3.2%
Total	12,816	100%	2,895	100%	2,858	100%	18,569	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Table 72 - Gross tonnage (in 1000 t) of non targeted flag medium⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	15,552	16.6%	2,028	27.9%	3,429	34.2%	21,008	18.9%
Specialized Cargo Ships	625	0.7%	9	0.1%	15	0.1%	649	0.6%
Container Ships	16,535	17.6%	166	2.3%	224	2.2%	16,926	15.3%
Ro-Ro Cargo Ships	4,418	4.7%	172	2.4%	152	1.5%	4,742	4.3%
Bulk Carriers	17,659	18.8%	1,425	19.6%	3,270	32.6%	22,354	20.1%
Oil and Chemical Tankers	21,160	22.6%	851	11.7%	1,108	11.0%	23,119	20.8%
Gas Tankers	3,506	3.7%	12	0.2%	86	0.9%	3,604	3.2%
Other Tankers	12	0.0%	6	0.1%	7	0.1%	25	0.0%
Passenger Ships	5,402	5.8%	1,779	24.5%	838	8.4%	8,019	7.2%
Offshore Vessels	5,464	5.8%	113	1.5%	305	3.0%	5,882	5.3%
Service Ships	2,955	3.2%	644	8.9%	535	5.3%	4,134	3.7%
Tugs	403	0.4%	65	0.9%	57	0.6%	525	0.5%
Total	93,691	100%	7,271	100%	10,026	100%	110,988	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Graph 71 - Total number of non targeted flag medium ships, by class – 2009**Graph 72 - Gross tonnage of non targeted flag medium ships, by class – 2009**

NON TARGETED FLAGS – LARGE SHIPS

Table 73 - Total number of non targeted flag large⁽¹⁾ ships, by type and class - 2009

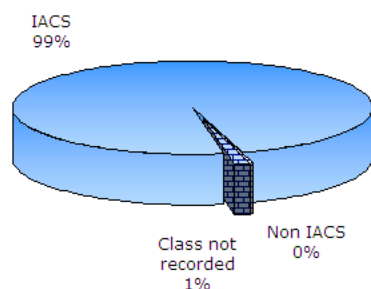
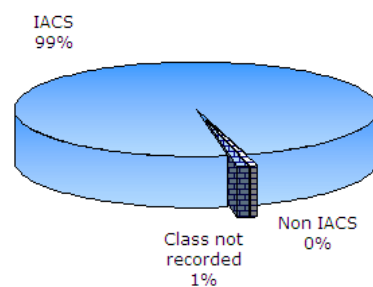
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	173	3.3%					173	3.3%
Specialized Cargo Ships	29	0.6%			1	1.4%	30	0.6%
Container Ships	1,147	22.2%	1	4.3%	4	5.6%	1,152	21.9%
Ro-Ro Cargo Ships	262	5.1%			1	1.4%	263	5.0%
Bulk Carriers	1,673	32.4%	19	82.6%	54	76.1%	1,746	33.2%
Oil and Chemical Tankers	1,551	30.0%	2	8.7%	7	9.9%	1,560	29.7%
Gas Tankers	128	2.5%					128	2.4%
Other Tankers								
Passenger Ships	167	3.2%			1	1.4%	168	3.2%
Offshore Vessels	30	0.6%	1	4.3%	1	1.4%	32	0.6%
Service Ships	6	0.1%			2	2.8%	8	0.2%
Tugs								
Total	5,166	100%	23	100%	71	100%	5,260	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Table 74 - Gross tonnage (in 1000 t) of non targeted flag large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships	5,275	2.7%					5,275	2.7%
Specialized Cargo Ships	1,081	0.6%			39	1.7%	1,120	0.6%
Container Ships	43,460	22.4%	31	4.2%	150	6.4%	43,641	22.1%
Ro-Ro Cargo Ships	12,075	6.2%			28	1.2%	12,103	6.1%
Bulk Carriers	59,123	30.4%	581	79.2%	1,703	73.2%	61,407	31.1%
Oil and Chemical Tankers	60,438	31.1%	63	8.6%	254	10.9%	60,755	30.8%
Gas Tankers	5,554	2.9%					5,554	2.8%
Other Tankers								
Passenger Ships	5,817	3.0%			25	1.1%	5,842	3.0%
Offshore Vessels	1,313	0.7%	59	8.0%	47	2.0%	1,419	0.7%
Service Ships	243	0.1%			82	3.5%	325	0.2%
Tugs								
Total	194,379	100%	734	100%	2,327	100%	197,441	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2009

Graph 73 - Total number of non targeted flag large ships, by class – 2009**Graph 74 - Gross tonnage of non targeted flag large ships, by class – 2009**

NON TARGETED FLAGS – VERY LARGE SHIPS

Table 75 - Total number of non targeted flag very large⁽¹⁾ ships, by type and class - 2009

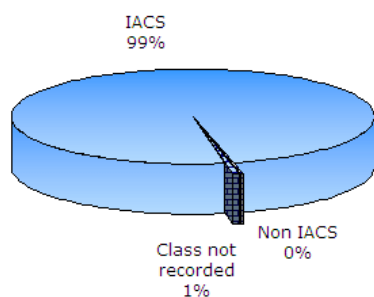
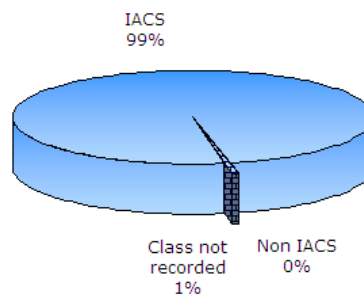
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	1	0.0%					1	0.0%
Container Ships	472	20.8%			1	7.1%	473	20.7%
Ro-Ro Cargo Ships	61	2.7%					61	2.7%
Bulk Carriers	474	20.9%			6	42.9%	480	21.0%
Oil and Chemical Tankers	882	38.9%			6	42.9%	888	38.9%
Gas Tankers	258	11.4%	2	100.0%	1	7.1%	261	11.4%
Other Tankers								
Passenger Ships	66	2.9%					66	2.9%
Offshore Vessels	52	2.3%					52	2.3%
Service Ships								
Tugs								
Total	2,266	100%	2	100%	14	100%	2,282	100%

Source: Equasis - ⁽¹⁾ GT≥60.000 - IACS membership on 31/12/2009

Table 76 - Gross tonnage (in 1000 t) of non targeted flag very large⁽¹⁾ ships, by type and class - 2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo Ships								
Specialized Cargo Ships	64	0.0%					64	0.0%
Container Ships	39,219	17.7%			67	5.4%	39,286	17.6%
Ro-Ro Cargo Ships	3,971	1.8%					3,971	1.8%
Bulk Carriers	43,700	19.7%			560	45.3%	44,260	19.9%
Oil and Chemical Tankers	94,953	42.9%			513	41.5%	95,466	42.9%
Gas Tankers	27,725	12.5%	239	100.0%	97	7.8%	28,061	12.6%
Other Tankers								
Passenger Ships	6,369	2.9%					6,369	2.9%
Offshore Vessels	5,281	2.4%					5,281	2.4%
Service Ships								
Tugs								
Total	221,283	100%	239	100%	1,236	100%	222,758	100%

Source: Equasis - ⁽¹⁾ GT≥60.000 - IACS membership on 31/12/2009

Graph 75 - Total number of non targeted flag very large ships, by class – 2009**Graph 76 - Gross tonnage of non targeted flag very large ships under non targeted flag, by class – 2009**

3.4. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 77 - World fleet GT≥500 detention rates^(*), by type and class – 2009

Ship Type	IACS	Non IACS	Class not recorded	Overall
General Cargo Ships	4.37%	13.88%	14.48%	6.95%
Specialized Cargo Ships	3.59%	14.29%	22.73%	4.55%
Container Ships	1.29%	17.77%	15.33%	1.54%
Ro-Ro Cargo Ships	2.66%	12.85%	20.29%	3.24%
Bulk Carriers	3.56%	10.82%	11.32%	4.02%
Oil and Chemical Tankers	1.78%	15.40%	15.93%	2.12%
Gas Tankers	1.73%	14.71%	24.24%	2.24%
Other Tankers	0.00%			0.00%
Passenger Ships	1.46%	6.64%	9.52%	1.86%
Offshore Vessels	3.47%	27.03%	29.41%	4.68%
Service Ships	2.09%	17.58%	11.54%	6.32%
Tugs	6.38%	7.14%	0.00%	6.19%
Total	3.02%	13.55%	14.49%	4.34%

Source: Equasis - IACS membership on 31/12/2009 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

MEDIUM SHIPS

Table 78 - Medium⁽¹⁾ ships detention rates^(*), by type and class – 2009

Ship Type	IACS	Non IACS	Class not recorded	Overall
General Cargo Ships	4.50%	13.88%	14.48%	7.11%
Specialized Cargo Ships	3.91%	14.29%	19.05%	5.01%
Container Ships	1.62%	18.04%	18.18%	2.16%
Ro-Ro Cargo Ships	4.48%	12.85%	20.29%	5.67%
Bulk Carriers	4.28%	10.66%	11.69%	5.17%
Oil and Chemical Tankers	2.66%	15.40%	16.07%	3.25%
Gas Tankers	2.53%	14.71%	24.62%	3.29%
Other Tankers	0.00%			0.00%
Passenger Ships	2.27%	6.64%	9.52%	2.96%
Offshore Vessels	3.51%	28.57%	30.00%	4.74%
Service Ships	2.01%	17.58%	11.54%	6.30%
Tugs	6.38%	7.14%	0.00%	6.19%
Total	3.75%	13.55%	14.60%	5.61%

Source: Equasis - IACS membership on 31/12/2009 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

LARGE SHIPS

Table 79 - Large⁽¹⁾ ships detention rates^(*), by type and class – 2009

Ship Type	IACS	Non IACS	Class not recorded	Overall
General Cargo Ships	1.17%			1.17%
Specialized Cargo Ships	2.78%		100.00%	3.23%
Container Ships	1.19%	0.00%	4.76%	1.20%
Ro-Ro Cargo Ships	1.63%			1.63%
Bulk Carriers	3.06%	15.52%	8.33%	3.11%
Oil and Chemical Tankers	0.95%		0.00%	0.95%
Gas Tankers	0.30%			0.30%
Other Tankers				
Passenger Ships	1.33%			1.33%
Offshore Vessels	0.00%		0.00%	0.00%
Service Ships	7.69%			7.69%
Tugs				
Total	2.01%	14.75%	8.24%	2.04%

Source: Equasis - IACS membership on 31/12/2009 - (*) Detentions in Paris MoU, Tokyo MoU, IO MoU and USCG divided by total number of inspections

VERY LARGE SHIPS

Table 80 - Very large⁽¹⁾ ships detention rates^(*), by type and class – 2009

Ship Type	IACS	Non IACS	Class not recorded	Overall
General Cargo Ships				
Specialized Cargo Ships				
Container Ships	0.66%		0.00%	0.66%
Ro-Ro Cargo Ships	0.56%			0.56%
Bulk Carriers	3.20%		0.00%	3.20%
Oil and Chemical Tankers	0.50%			0.50%
Gas Tankers	0.31%		0.00%	0.31%
Other Tankers				
Passenger Ships	0.00%			0.00%
Offshore Vessels	0.00%	0.00%		0.00%
Service Ships				
Tugs				
Total	1.30%	0.00%	0.00%	1.29%

Source: Equasis - IACS membership on 31/12/2009 - (*) 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 Group. 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.*³
- *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*

- *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 International Group Clubs but as explained in Chapter 1.2 small ships are not included in the statistics which follow.

The following tables show the proportion of the fleet, in each size and type category, which is entered with those clubs (column headed IGP&I) compared to the proportion of ships which are either entered with a club which is not a member of the International Group or which are covered by commercial insurance for which information is unavailable or which are not covered by P&I insurance (column headed Non IGP&I).

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.

Those in the "targeted" group are the flags which appear on at least one of the targeted flag lists by the three port state control regimes which feed their inspection results to Equasis (Paris MoU, Tokyo MoU and USCG [safety targeting]). A list of the flags is at Annex II.

In chapter 4.5 the detention rate of ships is the ratio between the number of detentions

³ Gard (Bermuda) Ltd only became a principal Association with effect from the 2010 policy year. For 2008 and 2009, the principal Association was Assuranceforeningen Gard.

and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU (IO MoU) and USCG regions.

RESULTS

Graph 81 indicates that 59% of the fleet included in Equasis over 500GT for which data has been supplied is covered by one of the members of the International Group. This rises to 91% by tonnage.

97% of the large and 98% of the very large fleet is covered by the International Group. Within the medium fleet just under a half (48%) are entered in the Group clubs.

Comparing Graphs 89 with 97 reveals that the age profile of ships entered in Group clubs is considerably younger than those which are not. A quarter (25%) of the IGP&I fleet is under 5 years old and just one sixth (18%) is over 25 years old. Of the younger fleet, nearly a third is oil and chemical tankers (Table 89). This trend is more marked in the large and very large fleets. For non-IGP&I the comparable figures are 9% and 58%, with nearly a half of the older fleet being general cargo ships (Table 97).

Table 105 shows that more non-IGP&I ships are under targeted flags than under non-targeted flags whereas the reverse is true for the IGP&I fleet.

The safety performance of the fleet included in Equasis over 500 GT, as measured by detention rates, shows that 6.1% of inspections resulted in detention in 2009. Table 113 shows that ships outside the Group had a higher detention rate in 2009 than those with inside the Group (13.5% compared with 4%). This position was reflected across all ship sizes.

4.1. P&I STATUS

WORLD FLEET GT≥500

Table 81 - P&I world fleet GT≥500 status : total number of ships, by type – 2009

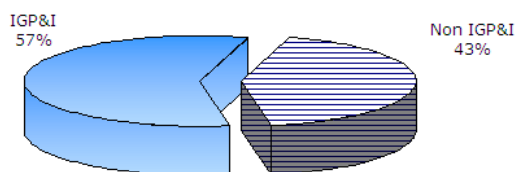
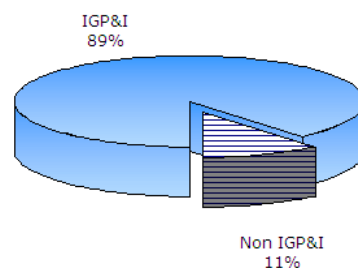
Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	4,274	15.6%	8,905	43.5%	13,179	27.5%
Specialized Cargo Ships	144	0.5%	72	0.4%	216	0.5%
Container Ships	4,013	14.7%	591	2.9%	4,604	9.6%
Ro-Ro Cargo Ships	1,064	3.9%	455	2.2%	1,519	3.2%
Bulk Carriers	5,937	21.7%	1,680	8.2%	7,617	15.9%
Oil and Chemical Tankers	6,715	24.5%	2,986	14.6%	9,701	20.3%
Gas Tankers	1,079	3.9%	368	1.8%	1,447	3.0%
Other Tankers	9	0.0%	22	0.1%	31	0.1%
Passenger Ships	1,287	4.7%	1,629	8.0%	2,916	6.1%
Offshore Vessels	1,977	7.2%	1,829	8.9%	3,806	8.0%
Service Ships	536	2.0%	1,458	7.1%	1,994	4.2%
Tugs	352	1.3%	485	2.4%	837	1.7%
Total	27,387	100%	20,480	100%	47,867	100%

Source: Equasis

Table 82 - P&I world fleet GT≥500 status : gross tonnage (in 1000 t) of ships, by type - 2009

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	33,096	4.4%	26,975	29.0%	60,071	7.1%
Specialized Cargo Ships	2,690	0.4%	374	0.4%	3,064	0.4%
Container Ships	137,002	18.2%	6,123	6.6%	143,125	16.9%
Ro-Ro Cargo Ships	35,751	4.7%	3,874	4.2%	39,624	4.7%
Bulk Carriers	224,636	29.8%	25,968	28.0%	250,604	29.6%
Oil and Chemical Tankers	236,241	31.4%	12,175	13.1%	248,416	29.4%
Gas Tankers	44,016	5.8%	1,295	1.4%	45,310	5.4%
Other Tankers	19	0.0%	23	0.0%	42	0.0%
Passenger Ships	25,864	3.4%	6,216	6.7%	32,080	3.8%
Offshore Vessels	10,604	1.4%	5,865	6.3%	16,469	1.9%
Service Ships	2,806	0.4%	3,568	3.8%	6,374	0.8%
Tugs	381	0.1%	444	0.5%	825	0.1%
Total	753,106	100%	92,899	100%	846,005	100%

Source: Equasis

Graph 81 - Number of ships GT≥500, by P&I status – 2009**Graph 82 - Gross tonnage of ships GT≥500, by P&I status – 2009**

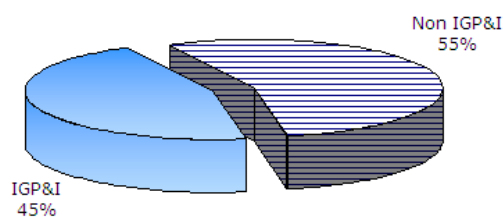
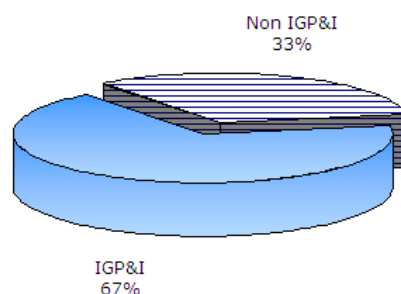
MEDIUM SHIPS

Table 83 - P&I status : total number of medium⁽¹⁾ ships, by type - 2009

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	4,079	24.9%	8,892	44.7%	12,971	35.7%
Specialized Cargo Ships	100	0.6%	68	0.3%	168	0.5%
Container Ships	1,834	11.2%	546	2.7%	2,380	6.6%
Ro-Ro Cargo Ships	455	2.8%	422	2.1%	877	2.4%
Bulk Carriers	2,063	12.6%	1,353	6.8%	3,416	9.4%
Oil and Chemical Tankers	3,536	21.6%	2,904	14.6%	6,440	17.7%
Gas Tankers	600	3.7%	357	1.8%	957	2.6%
Other Tankers	9	0.1%	22	0.1%	31	0.1%
Passenger Ships	919	5.6%	1,615	8.1%	2,534	7.0%
Offshore Vessels	1,906	11.6%	1,787	9.0%	3,693	10.2%
Service Ships	527	3.2%	1,454	7.3%	1,981	5.5%
Tugs	352	2.1%	485	2.4%	837	2.3%
Total	16,380	100%	19,905	100%	36,285	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 84 - P&I status : gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type - 2009**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	27,222	19.5%	26,594	39.2%	53,816	25.9%
Specialized Cargo Ships	1,057	0.8%	237	0.3%	1,293	0.6%
Container Ships	23,742	17.0%	4,002	5.9%	27,744	13.4%
Ro-Ro Cargo Ships	5,729	4.1%	2,546	3.8%	8,275	4.0%
Bulk Carriers	34,118	24.4%	13,233	19.5%	47,350	22.8%
Oil and Chemical Tankers	30,295	21.7%	8,174	12.1%	38,469	18.5%
Gas Tankers	4,403	3.1%	612	0.9%	5,014	2.4%
Other Tankers	19	0.0%	23	0.0%	42	0.0%
Passenger Ships	5,833	4.2%	5,778	8.5%	11,612	5.6%
Offshore Vessels	4,616	3.3%	2,742	4.0%	7,359	3.5%
Service Ships	2,455	1.8%	3,442	5.1%	5,896	2.8%
Tugs	381	0.3%	444	0.7%	825	0.4%
Total	139,870	100%	67,826	100%	207,697	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 83 - Number of medium ships, by P&I status - 2009****Graph 84 - Gross tonnage of medium ships, by P&I status - 2009**

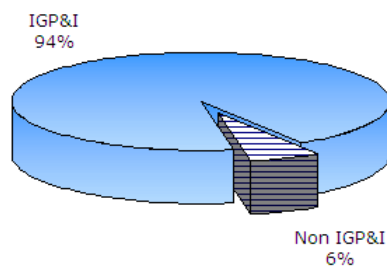
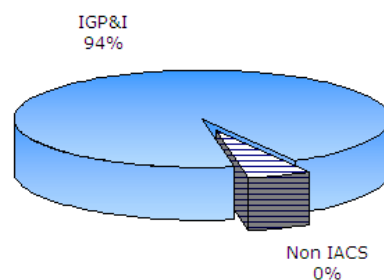
LARGE SHIPS

Table 85 - P&I status : total number of large⁽¹⁾ ships, by type - 2009

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	195	2.5%	13	2.7%	208	2.5%
Specialized Cargo Ships	43	0.6%	4	0.8%	47	0.6%
Container Ships	1,504	19.5%	37	7.6%	1,541	18.8%
Ro-Ro Cargo Ships	501	6.5%	33	6.7%	534	6.5%
Bulk Carriers	2,939	38.2%	294	60.1%	3,233	39.5%
Oil and Chemical Tankers	2,046	26.6%	66	13.5%	2,112	25.8%
Gas Tankers	183	2.4%	7	1.4%	190	2.3%
Other Tankers						
Passenger Ships	249	3.2%	14	2.9%	263	3.2%
Offshore Vessels	25	0.3%	17	3.5%	42	0.5%
Service Ships	9	0.1%	4	0.8%	13	0.2%
Tugs						
Total	7,694	100%	489	100%	8,183	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 86 - P&I status : gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type - 2009**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	5,874	2.0%	381	2.2%	6,254	2.0%
Specialized Cargo Ships	1,569	0.5%	137	0.8%	1,706	0.6%
Container Ships	57,608	19.9%	1,469	8.6%	59,078	19.3%
Ro-Ro Cargo Ships	23,113	8.0%	1,328	7.8%	24,441	8.0%
Bulk Carriers	104,489	36.1%	9,843	57.5%	114,333	37.3%
Oil and Chemical Tankers	78,693	27.2%	2,422	14.1%	81,116	26.4%
Gas Tankers	7,973	2.8%	292	1.7%	8,265	2.7%
Other Tankers						
Passenger Ships	8,852	3.1%	437	2.6%	9,289	3.0%
Offshore Vessels	1,192	0.4%	685	4.0%	1,877	0.6%
Service Ships	351	0.1%	127	0.7%	478	0.2%
Tugs						
Total	289,715	100%	17,122	100%	306,837	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 85 - Number of large ships, by P&I status – 2009****Graph 86 - Gross tonnage of large ships, by P&I status – 2009**

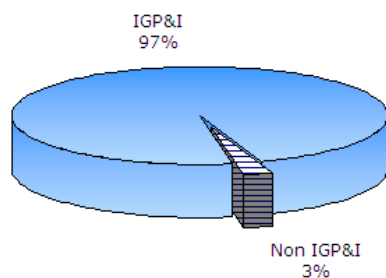
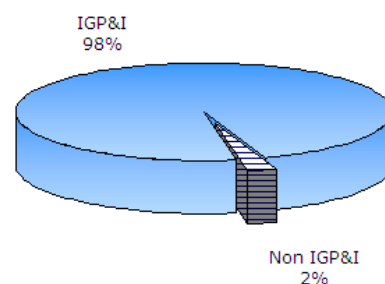
VERY LARGE SHIPS

Table 87 - P&I status : total number of very large⁽¹⁾ ships, by type - 2009

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	1	0.0%			1	0.0%
Container Ships	675	20.4%	8	9.3%	683	20.1%
Ro-Ro Cargo Ships	108	3.3%			108	3.2%
Bulk Carriers	935	28.2%	33	38.4%	968	28.5%
Oil and Chemical Tankers	1,133	34.2%	16	18.6%	1,149	33.8%
Gas Tankers	296	8.9%	4	4.7%	300	8.8%
Other Tankers						
Passenger Ships	119	3.6%			119	3.5%
Offshore Vessels	46	1.4%	25	29.1%	71	2.1%
Service Ships						
Tugs						
Total	3,313	100%	86	100%	3,399	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Table 88 - P&I status : gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type - 2009**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	64	0.0%			64	0.0%
Container Ships	55,651	17.2%	652	8.2%	56,303	17.0%
Ro-Ro Cargo Ships	6,908	2.1%			6,908	2.1%
Bulk Carriers	86,029	26.6%	2,892	36.4%	88,921	26.8%
Oil and Chemical Tankers	127,253	39.3%	1,578	19.9%	128,831	38.9%
Gas Tankers	31,640	9.8%	391	4.9%	32,031	9.7%
Other Tankers						
Passenger Ships	11,180	3.5%			11,180	3.4%
Offshore Vessels	4,795	1.5%	2,438	30.7%	7,233	2.2%
Service Ships						
Tugs						
Total	323,521	100%	7,951	100%	331,472	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Graph 87 - Number of very large ships, by P&I status - 2009****Graph 88 - Gross tonnage of very large ships, by P&I status - 2009**

4.2. IGP&I AND AGE

WORLD FLEET GT≥500

Table 89 - IGP&I world fleet GT≥500 : total number of ships, by type and age – 2009

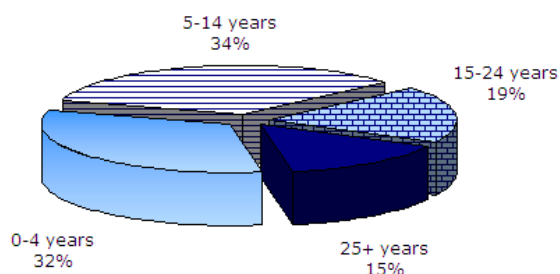
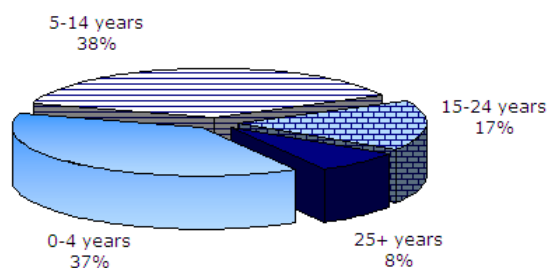
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,028	11.6%	1,329	14.3%	1,210	23.5%	707	17.5%	4,274	15.6%
Specialized Cargo Ships	20	0.2%	27	0.3%	31	0.6%	66	1.6%	144	0.5%
Container Ships	1,601	18.0%	1,687	18.1%	571	11.1%	154	3.8%	4,013	14.7%
Ro-Ro Cargo Ships	291	3.3%	335	3.6%	222	4.3%	216	5.3%	1,064	3.9%
Bulk Carriers	1,682	18.9%	2,164	23.2%	1,138	22.1%	953	23.6%	5,937	21.7%
Oil and Chemical Tankers	2,762	31.1%	2,327	25.0%	1,169	22.7%	457	11.3%	6,715	24.5%
Gas Tankers	383	4.3%	343	3.7%	217	4.2%	136	3.4%	1,079	3.9%
Other Tankers							9	0.2%	9	0.0%
Passenger Ships	174	2.0%	422	4.5%	294	5.7%	397	9.8%	1,287	4.7%
Offshore Vessels	780	8.8%	481	5.2%	145	2.8%	571	14.1%	1,977	7.2%
Service Ships	61	0.7%	120	1.3%	134	2.6%	221	5.5%	536	2.0%
Tugs	94	1.1%	80	0.9%	24	0.5%	154	3.8%	352	1.3%
Total	8,876	100%	9,315	100%	5,155	100%	4,041	100%	27,387	100%

Source: Equasis

Table 90 - P&I whole fleet GT≥500: gross tonnage (in 1000 t) of ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	7,733	2.7%	10,944	3.9%	8,821	7.0%	5,597	9.8%	33,096	4.4%
Specialized Cargo Ships	253	0.1%	339	0.1%	853	0.7%	1,244	2.2%	2,690	0.4%
Container Ships	65,128	22.7%	53,934	19.0%	14,415	11.5%	3,525	6.2%	137,002	18.2%
Ro-Ro Cargo Ships	13,972	4.9%	11,564	4.1%	5,843	4.7%	4,372	7.7%	35,751	4.7%
Bulk Carriers	71,365	24.9%	80,347	28.3%	48,877	38.9%	24,048	42.2%	224,636	29.8%
Oil and Chemical Tankers	95,691	33.4%	100,356	35.3%	35,080	27.9%	5,114	9.0%	236,241	31.4%
Gas Tankers	22,920	8.0%	11,659	4.1%	4,643	3.7%	4,794	8.4%	44,016	5.8%
Other Tankers							19	0.0%	19	0.0%
Passenger Ships	5,890	2.1%	11,742	4.1%	4,907	3.9%	3,326	5.8%	25,864	3.4%
Offshore Vessels	2,789	1.0%	2,266	0.8%	1,558	1.2%	3,991	7.0%	10,604	1.4%
Service Ships	433	0.2%	996	0.4%	619	0.5%	758	1.3%	2,806	0.4%
Tugs	121	0.0%	86	0.0%	28	0.0%	146	0.3%	381	0.1%
Total	286,296	100%	284,232	100%	125,644	100%	56,934	100%	753,106	100%

Source: Equasis

Graph 89 - IGP&I world fleet GT≥500, by age – 2009**Graph 90 - Gross tonnage of IGP&I world fleet GT≥500, by age – 2009**

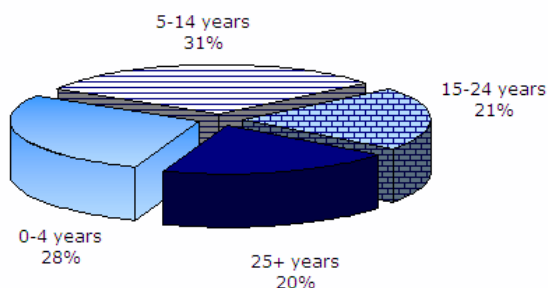
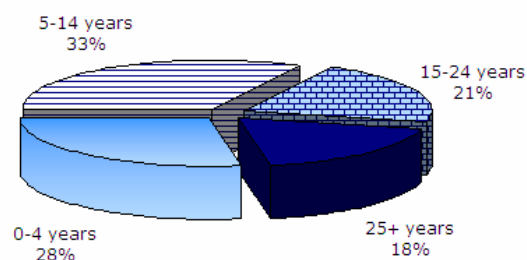
MEDIUM SHIPS

Table 91 - IGP&I : total number of medium⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	997	21.7%	1,250	24.9%	1,161	33.8%	671	20.1%	4,079	24.9%
Specialized Cargo Ships	20	0.4%	24	0.5%	11	0.3%	45	1.3%	100	0.6%
Container Ships	605	13.2%	812	16.2%	340	9.9%	77	2.3%	1,834	11.2%
Ro-Ro Cargo Ships	38	0.8%	151	3.0%	121	3.5%	145	4.3%	455	2.8%
Bulk Carriers	419	9.1%	583	11.6%	420	12.2%	641	19.2%	2,063	12.6%
Oil and Chemical Tankers	1,343	29.3%	1,064	21.2%	727	21.1%	402	12.0%	3,536	21.6%
Gas Tankers	148	3.2%	216	4.3%	161	4.7%	75	2.2%	600	3.7%
Other Tankers							9	0.3%	9	0.1%
Passenger Ships	97	2.1%	247	4.9%	209	6.1%	366	10.9%	919	5.6%
Offshore Vessels	769	16.8%	467	9.3%	131	3.8%	539	16.1%	1,906	11.6%
Service Ships	58	1.3%	117	2.3%	133	3.9%	219	6.6%	527	3.2%
Tugs	94	2.0%	80	1.6%	24	0.7%	154	4.6%	352	2.1%
Total	4,588	100%	5,011	100%	3,438	100%	3,343	100%	16,380	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 92 - IGP&I : gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type and age - 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	6,728	17.4%	8,467	18.4%	7,450	25.3%	4,578	17.9%	27,222	19.5%
Specialized Cargo Ships	253	0.7%	219	0.5%	72	0.2%	513	2.0%	1,057	0.8%
Container Ships	7,828	20.2%	10,392	22.6%	4,592	15.6%	930	3.6%	23,742	17.0%
Ro-Ro Cargo Ships	591	1.5%	2,052	4.5%	1,328	4.5%	1,757	6.9%	5,729	4.1%
Bulk Carriers	6,840	17.7%	9,467	20.6%	7,359	25.0%	10,452	40.8%	34,118	24.4%
Oil and Chemical Tankers	12,090	31.2%	10,166	22.1%	5,262	17.9%	2,777	10.8%	30,295	21.7%
Gas Tankers	1,342	3.5%	1,508	3.3%	1,042	3.5%	510	2.0%	4,403	3.1%
Other Tankers							19	0.1%	19	0.0%
Passenger Ships	525	1.4%	1,561	3.4%	1,412	4.8%	2,335	9.1%	5,833	4.2%
Offshore Vessels	2,096	5.4%	1,253	2.7%	316	1.1%	951	3.7%	4,616	3.3%
Service Ships	318	0.8%	876	1.9%	586	2.0%	675	2.6%	2,455	1.8%
Tugs	121	0.3%	86	0.2%	28	0.1%	146	0.6%	381	0.3%
Total	38,734	100%	46,048	100%	29,445	100%	25,643	100%	139,870	100%

Source: Equasis EMSA - ⁽¹⁾ 500≤GT<25.000**Graph 91 - IGP&I medium ships, by age - 2009****Graph 92 - Gross tonnage of IGP&I medium ships, by age - 2009**

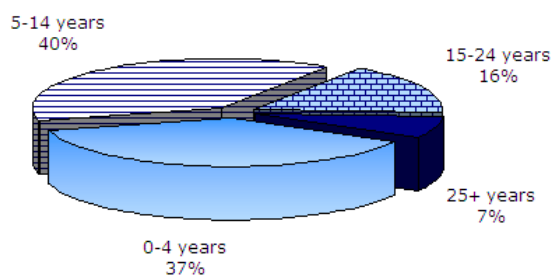
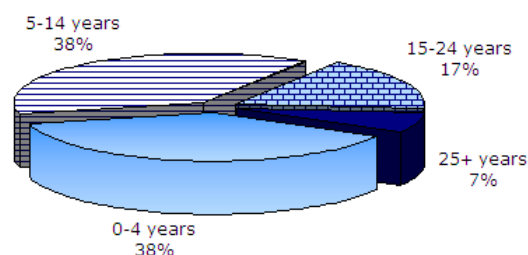
LARGE SHIPS

Table 93 - IGP&I : total number of large⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	31	1.1%	79	2.7%	49	3.9%	36	6.3%	195	2.5%
Specialized Cargo Ships			3	0.1%	19	1.5%	21	3.6%	43	0.6%
Container Ships	629	21.9%	573	19.2%	225	17.8%	77	13.4%	1,504	19.5%
Ro-Ro Cargo Ships	179	6.2%	150	5.0%	101	8.0%	71	12.3%	501	6.5%
Bulk Carriers	965	33.6%	1,262	42.3%	453	35.9%	259	45.0%	2,939	38.2%
Oil and Chemical Tankers	946	32.9%	755	25.3%	298	23.6%	47	8.2%	2,046	26.6%
Gas Tankers	74	2.6%	48	1.6%	36	2.9%	25	4.3%	183	2.4%
Other Tankers										
Passenger Ships	41	1.4%	102	3.4%	75	5.9%	31	5.4%	249	3.2%
Offshore Vessels	8	0.3%	6	0.2%	4	0.3%	7	1.2%	25	0.3%
Service Ships	3	0.1%	3	0.1%	1	0.1%	2	0.3%	9	0.1%
Tugs										
Total	2,876	100%	2,981	100%	1,261	100%	576	100%	7,694	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 94 - IGP&I : gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type and age - 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,005	0.9%	2,478	2.2%	1,372	2.8%	1,019	5.0%	5,874	2.0%
Specialized Cargo Ships			120	0.1%	718	1.5%	732	3.6%	1,569	0.5%
Container Ships	23,980	21.9%	21,580	19.5%	9,453	19.2%	2,595	12.7%	57,608	19.9%
Ro-Ro Cargo Ships	8,712	8.0%	7,272	6.6%	4,515	9.2%	2,614	12.8%	23,113	8.0%
Bulk Carriers	35,722	32.7%	43,310	39.1%	16,076	32.6%	9,382	46.1%	104,489	36.1%
Oil and Chemical Tankers	34,668	31.7%	29,814	26.9%	12,618	25.6%	1,593	7.8%	78,693	27.2%
Gas Tankers	3,272	3.0%	2,070	1.9%	1,577	3.2%	1,054	5.2%	7,973	2.8%
Other Tankers										
Passenger Ships	1,445	1.3%	3,629	3.3%	2,788	5.7%	991	4.9%	8,852	3.1%
Offshore Vessels	439	0.4%	283	0.3%	178	0.4%	292	1.4%	1,192	0.4%
Service Ships	115	0.1%	120	0.1%	33	0.1%	83	0.4%	351	0.1%
Tugs										
Total	109,358	100%	110,676	100%	49,328	100%	20,354	100%	289,715	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 93 - IGP&I large ships, by age - 2009****Graph 94 - Gross tonnage of IGP&I large ships, by age - 2009**

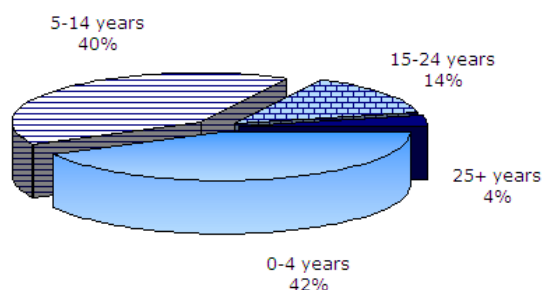
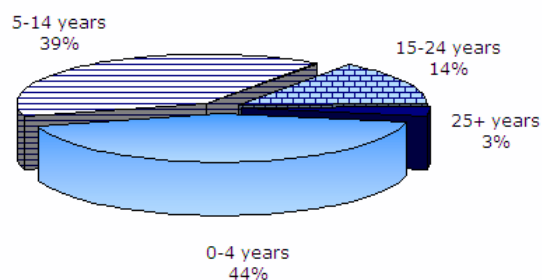
VERY LARGE SHIPS

Table 95 - IGP&I : total number of very large⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships					1	0.2%			1	0.0%
Container Ships	367	26.0%	302	22.8%	6	1.3%			675	20.4%
Ro-Ro Cargo Ships	74	5.2%	34	2.6%					108	3.3%
Bulk Carriers	298	21.1%	319	24.1%	265	58.1%	53	43.4%	935	28.2%
Oil and Chemical Tankers	473	33.5%	508	38.4%	144	31.6%	8	6.6%	1,133	34.2%
Gas Tankers	161	11.4%	79	6.0%	20	4.4%	36	29.5%	296	8.9%
Other Tankers										
Passenger Ships	36	2.5%	73	5.5%	10	2.2%			119	3.6%
Offshore Vessels	3	0.2%	8	0.6%	10	2.2%	25	20.5%	46	1.4%
Service Ships										
Tugs										
Total	1,412	100%	1,323	100%	456	100%	122	100%	3,313	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Table 96 - IGP&I : gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type and age - 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships					64	0.1%			64	0.0%
Container Ships	33,320	24.1%	21,962	17.2%	370	0.8%			55,651	17.2%
Ro-Ro Cargo Ships	4,669	3.4%	2,239	1.8%					6,908	2.1%
Bulk Carriers	28,803	20.8%	27,569	21.6%	25,442	54.3%	4,215	38.5%	86,029	26.6%
Oil and Chemical Tankers	48,933	35.4%	60,375	47.4%	17,201	36.7%	744	6.8%	127,253	39.3%
Gas Tankers	18,306	13.2%	8,081	6.3%	2,023	4.3%	3,230	29.5%	31,640	9.8%
Other Tankers										
Passenger Ships	3,920	2.8%	6,552	5.1%	708	1.5%			11,180	3.5%
Offshore Vessels	253	0.2%	729	0.6%	1,064	2.3%	2,749	25.1%	4,795	1.5%
Service Ships										
Tugs										
Total	138,204	100%	127,508	100%	46,871	100%	10,937	100%	323,521	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Graph 95 - IGP&I very large ships, by age - 2009****Graph 96 - Gross tonnage of IGP&I very large ships, by age - 2009**

4.3. NON IGP&I AND AGE

WHOLE FLEET

Table 97 - Non IGP&I world fleet GT≥500: total number of ships, by type and age – 2009

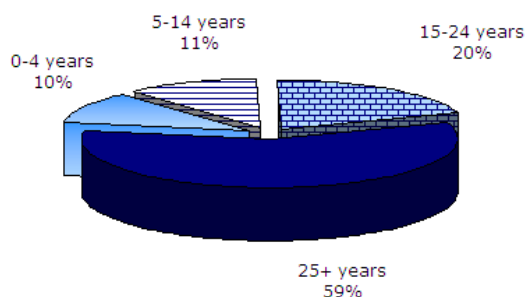
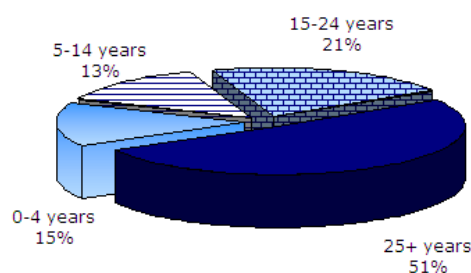
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	647	30.1%	773	32.9%	1,795	44.3%	5,690	47.7%	8,905	43.5%
Specialized Cargo Ships	3	0.1%	1	0.0%	5	0.1%	63	0.5%	72	0.4%
Container Ships	126	5.9%	184	7.8%	122	3.0%	159	1.3%	591	2.9%
Ro-Ro Cargo Ships	35	1.6%	73	3.1%	86	2.1%	261	2.2%	455	2.2%
Bulk Carriers	185	8.6%	151	6.4%	395	9.7%	949	8.0%	1,680	8.2%
Oil and Chemical Tankers	332	15.5%	287	12.2%	674	16.6%	1,693	14.2%	2,986	14.6%
Gas Tankers	43	2.0%	63	2.7%	78	1.9%	184	1.5%	368	1.8%
Other Tankers	1	0.0%	1	0.0%	2	0.0%	18	0.2%	22	0.1%
Passenger Ships	146	6.8%	350	14.9%	388	9.6%	745	6.2%	1,629	8.0%
Offshore Vessels	466	21.7%	236	10.0%	145	3.6%	982	8.2%	1,829	8.9%
Service Ships	94	4.4%	201	8.5%	295	7.3%	868	7.3%	1,458	7.1%
Tugs	68	3.2%	32	1.4%	70	1.7%	315	2.6%	485	2.4%
Total	2,146	100%	2,352	100%	4,055	100%	11,927	100%	20,480	100%

Source: Equasis

Table 98 - Non IGP&I world fleet GT≥500: gross tonnage (in 1000 t) of ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,197	16.0%	2,451	19.8%	5,232	26.4%	17,095	36.3%	26,975	29.0%
Specialized Cargo Ships	21	0.2%	5	0.0%	56	0.3%	292	0.6%	374	0.4%
Container Ships	1,885	13.8%	1,580	12.8%	1,540	7.8%	1,119	2.4%	6,123	6.6%
Ro-Ro Cargo Ships	671	4.9%	676	5.5%	719	3.6%	1,807	3.8%	3,874	4.2%
Bulk Carriers	3,976	29.0%	2,425	19.6%	5,612	28.3%	13,955	29.7%	25,968	28.0%
Oil and Chemical Tankers	2,096	15.3%	1,622	13.1%	3,569	18.0%	4,888	10.4%	12,175	13.1%
Gas Tankers	433	3.2%	327	2.6%	168	0.8%	368	0.8%	1,295	1.4%
Other Tankers	1	0.0%	1	0.0%	1	0.0%	20	0.0%	23	0.0%
Passenger Ships	628	4.6%	1,531	12.4%	1,465	7.4%	2,592	5.5%	6,216	6.7%
Offshore Vessels	1,316	9.6%	1,204	9.7%	589	3.0%	2,756	5.9%	5,865	6.3%
Service Ships	410	3.0%	508	4.1%	793	4.0%	1,858	3.9%	3,568	3.8%
Tugs	63	0.5%	30	0.2%	66	0.3%	286	0.6%	444	0.5%
Total	13,696	100%	12,360	100%	19,809	100%	47,035	100%	92,899	100%

Source: Equasis

Graph 97 - Non IGP&I world fleet GT≥500, by age – 2009**Graph 98 - Gross tonnage of non IGP&I world fleet GT≥500, by age – 2009**

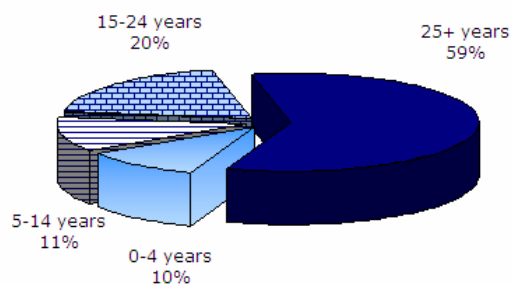
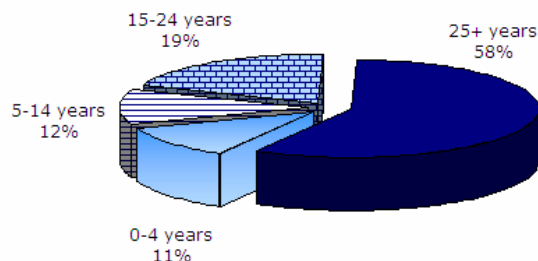
MEDIUM SHIPS

Table 99 - Non IGP&I : total number of medium⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	646	32.1%	773	34.2%	1,793	46.0%	5,680	48.4%	8,892	44.7%
Specialized Cargo Ships	3	0.1%	1	0.0%	4	0.1%	60	0.5%	68	0.3%
Container Ships	112	5.6%	173	7.7%	106	2.7%	155	1.3%	546	2.7%
Ro-Ro Cargo Ships	24	1.2%	70	3.1%	79	2.0%	249	2.1%	422	2.1%
Bulk Carriers	116	5.8%	113	5.0%	297	7.6%	827	7.0%	1,353	6.8%
Oil and Chemical Tankers	309	15.4%	274	12.1%	646	16.6%	1,675	14.3%	2,904	14.6%
Gas Tankers	38	1.9%	60	2.7%	77	2.0%	182	1.6%	357	1.8%
Other Tankers	1	0.0%	1	0.0%	2	0.1%	18	0.2%	22	0.1%
Passenger Ships	143	7.1%	341	15.1%	386	9.9%	745	6.3%	1,615	8.1%
Offshore Vessels	459	22.8%	221	9.8%	142	3.6%	965	8.2%	1,787	9.0%
Service Ships	94	4.7%	200	8.9%	294	7.5%	866	7.4%	1,454	7.3%
Tugs	68	3.4%	32	1.4%	70	1.8%	315	2.7%	485	2.4%
Total	2,013	100%	2,259	100%	3,896	100%	11,737	100%	19,905	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 100 - Non IGP&I : gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type and age – 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,161	28.9%	2,451	30.6%	5,173	39.5%	16,809	42.8%	26,594	39.2%
Specialized Cargo Ships	21	0.3%	5	0.1%	14	0.1%	197	0.5%	237	0.3%
Container Ships	933	12.5%	1,253	15.7%	851	6.5%	965	2.5%	4,002	5.9%
Ro-Ro Cargo Ships	201	2.7%	580	7.2%	387	3.0%	1,377	3.5%	2,546	3.8%
Bulk Carriers	827	11.1%	611	7.6%	2,265	17.3%	9,529	24.3%	13,233	19.5%
Oil and Chemical Tankers	1,293	17.3%	802	10.0%	1,807	13.8%	4,273	10.9%	8,174	12.1%
Gas Tankers	105	1.4%	95	1.2%	125	1.0%	286	0.7%	612	0.9%
Other Tankers	1	0.0%	1	0.0%	1	0.0%	20	0.1%	23	0.0%
Passenger Ships	538	7.2%	1,247	15.6%	1,402	10.7%	2,592	6.6%	5,778	8.5%
Offshore Vessels	916	12.3%	453	5.7%	245	1.9%	1,128	2.9%	2,742	4.0%
Service Ships	410	5.5%	475	5.9%	763	5.8%	1,794	4.6%	3,442	5.1%
Tugs	63	0.8%	30	0.4%	66	0.5%	286	0.7%	444	0.7%
Total	7,469	100%	8,002	100%	13,099	100%	39,257	100%	67,826	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 99 - Non IGP&I medium ships, by age – 2009****Graph 100 - Gross tonnage of non IGP&I medium ships, by age – 2009**

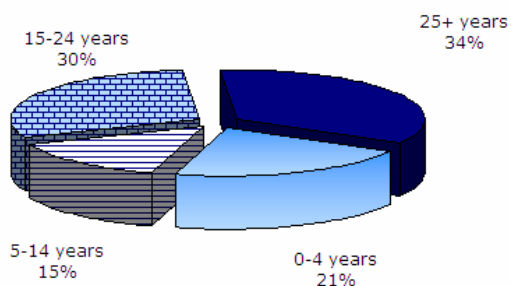
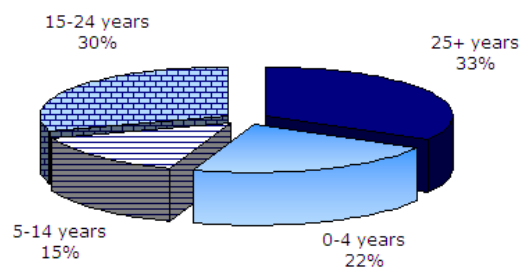
LARGE SHIPS

Table 101 - Non IGP&I : total number of large⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1	1.0%			2	1.4%	10	5.9%	13	2.7%
Specialized Cargo Ships					1	0.7%	3	1.8%	4	0.8%
Container Ships	6	5.8%	11	15.5%	16	11.0%	4	2.4%	37	7.6%
Ro-Ro Cargo Ships	11	10.7%	3	4.2%	7	4.8%	12	7.1%	33	6.7%
Bulk Carriers	57	55.3%	29	40.8%	93	64.1%	115	67.6%	294	60.1%
Oil and Chemical Tankers	20	19.4%	8	11.3%	21	14.5%	17	10.0%	66	13.5%
Gas Tankers	3	2.9%	1	1.4%	1	0.7%	2	1.2%	7	1.4%
Other Tankers										
Passenger Ships	3	2.9%	9	12.7%	2	1.4%			14	2.9%
Offshore Vessels	2	1.9%	9	12.7%	1	0.7%	5	2.9%	17	3.5%
Service Ships			1	1.4%	1	0.7%	2	1.2%	4	0.8%
Tugs										
Total	103	100%	71	100%	145	100%	170	100%	489	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 102 - Non IGP&I : gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type and age - 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	35	0.9%			59	1.2%	286	1.4%	381	2.2%
Specialized Cargo Ships					43	0.8%	95	0.5%	137	0.8%
Container Ships	300	8.0%	327	13.0%	688	13.4%	154	0.8%	1,469	8.6%
Ro-Ro Cargo Ships	470	12.5%	96	3.8%	331	6.5%	430	2.1%	1,328	7.8%
Bulk Carriers	2,041	54.3%	958	38.1%	2,953	57.5%	3,891	19.1%	9,843	57.5%
Oil and Chemical Tankers	612	16.3%	389	15.5%	874	17.0%	547	2.7%	2,422	14.1%
Gas Tankers	123	3.3%	45	1.8%	43	0.8%	81	0.4%	292	1.7%
Other Tankers										
Passenger Ships	90	2.4%	284	11.3%	63	1.2%			437	2.6%
Offshore Vessels	85	2.3%	381	15.2%	52	1.0%	167	0.8%	685	4.0%
Service Ships			33	1.3%	30	0.6%	63	0.3%	127	0.7%
Tugs										
Total	3,758	100%	2,514	100%	5,136	100%	5,714	28%	17,122	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 101 - Non IGP&I large ships, by age - 2009****Graph 102 - Gross tonnage of non IGP&I large ships, by age - 2009**

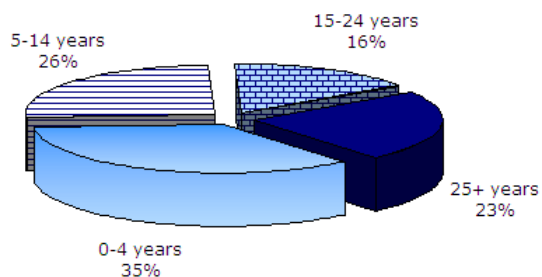
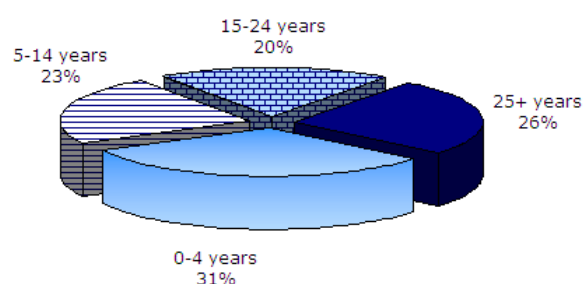
VERY LARGE SHIPS

Table 103 - Non IGP&I : total number of very large⁽¹⁾ ships, by type and age - 2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	8	26.7%							8	9.3%
Ro-Ro Cargo Ships										
Bulk Carriers	12	40.0%	9	40.9%	5	35.7%	7	35.0%	33	38.4%
Oil and Chemical Tankers	3	10.0%	5	22.7%	7	50.0%	1	5.0%	16	18.6%
Gas Tankers	2	6.7%	2	9.1%					4	4.7%
Other Tankers										
Passenger Ships										
Offshore Vessels	5	16.7%	6	27.3%	2	14.3%	12	60.0%	25	29.1%
Service Ships										
Tugs										
Total	30	100%	22	100%	14	100%	20	100%	86	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Table 104 - Non IGP&I : gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type and age - 2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships										
Container Ships	652	26.4%							652	8.2%
Ro-Ro Cargo Ships										
Bulk Carriers	1,107	44.8%	856	46.4%	395	25.1%	535	25.9%	2,892	36.4%
Oil and Chemical Tankers	191	7.7%	431	23.4%	888	56.4%	68	3.3%	1,578	19.9%
Gas Tankers	204	8.3%	187	10.1%					391	4.9%
Other Tankers										
Passenger Ships										
Offshore Vessels	315	12.8%	370	20.1%	292	18.5%	1,461	70.8%	2,438	30.7%
Service Ships										
Tugs										
Total	2,469	100%	1,844	100%	1,574	100%	2,065	100%	7,951	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Graph 103 - Non IGP&I very large ships, by age – 2009****Graph 104 - Gross tonnage of non IGP&I very large ships, by age – 2009**

4.4. P&I AND FLAG

WORLD FLEET GT≥500

Table 105 - P&I world fleet GT≥500 status : total number of ships, by type and flag- 2009

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I		Non IGP&I	Total	IGP&I	Non IGP&I	Total			
General Cargo Ships	2,406	22.5%	6,096	55.1%	8,502	1,868	11.2%	2,809	29.8%	4,677
Specialized Cargo Ships	59	0.6%	48	0.4%	107	85	0.5%	24	0.3%	109
Container Ships	1,269	11.9%	365	3.3%	1,634	2,744	16.4%	226	2.4%	2,970
Ro-Ro Cargo Ships	483	4.5%	253	2.3%	736	581	3.5%	202	2.1%	783
Bulk Carriers	2,861	26.7%	966	8.7%	3,827	3,076	18.4%	714	7.6%	3,790
Oil and Chemical Tankers	2,308	21.6%	1,409	12.7%	3,717	4,407	26.4%	1,577	16.7%	5,984
Gas Tankers	320	3.0%	136	1.2%	456	759	4.5%	232	2.5%	991
Other Tankers	7	0.1%	9	0.1%	16	2	0.0%	13	0.1%	15
Passenger Ships	318	3.0%	612	5.5%	930	969	5.8%	1,017	10.8%	1,986
Offshore Vessels	439	4.1%	499	4.5%	938	1,538	9.2%	1,330	14.1%	2,868
Service Ships	154	1.4%	490	4.4%	644	382	2.3%	968	10.3%	1,350
Tugs	72	0.7%	177	1.6%	249	280	1.7%	308	3.3%	588
Total	10,696	100%	11,060	100%	21,756	16,691	100%	9,420	100%	26,111

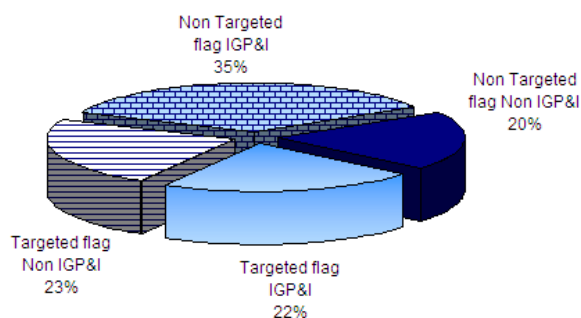
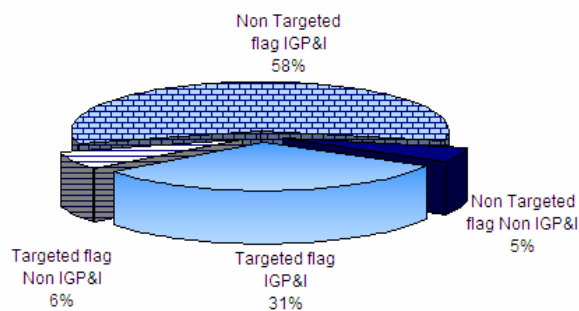
Source: Equasis

Table 106 - P&I world fleet GT≥500 status : gross tonnage (in 1000 t) of ships, by type and flag - 2009

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I		Non IGP&I	Total	IGP&I	Non IGP&I	Total			
General Cargo Ships	15,836	6.0%	17,951	35.3%	33,787	17,259	3.5%	9,024	21.4%	26,283
Specialized Cargo Ships	1,020	0.4%	210	0.4%	1,231	1,670	0.3%	163	0.4%	1,833
Container Ships	39,423	14.9%	3,850	7.6%	43,273	97,579	20.0%	2,273	5.4%	99,853
Ro-Ro Cargo Ships	16,623	6.3%	2,186	4.3%	18,809	19,128	3.9%	1,688	4.0%	20,816
Bulk Carriers	107,046	40.5%	15,536	30.6%	122,583	117,590	24.0%	10,431	24.8%	128,021
Oil and Chemical Tankers	63,801	24.2%	5,275	10.4%	69,076	172,441	35.3%	6,900	16.4%	179,340
Gas Tankers	7,699	2.9%	393	0.8%	8,092	36,316	7.4%	902	2.1%	37,219
Other Tankers	10	0.0%	7	0.0%	18	9	0.0%	16	0.0%	25
Passenger Ships	8,945	3.4%	2,905	5.7%	11,850	16,920	3.5%	3,311	7.9%	20,231
Offshore Vessels	2,729	1.0%	1,158	2.3%	3,887	7,875	1.6%	4,707	11.2%	12,582
Service Ships	767	0.3%	1,147	2.3%	1,915	2,038	0.4%	2,421	5.8%	4,460
Tugs	106	0.0%	195	0.4%	300	275	0.1%	250	0.6%	525
Total	264,006	100%	50,814	100%	314,819	489,100	100%	42,086	100%	531,186

Source:

Equasis

Graph 105 - Total number of ships GT≥500, by P&I status and flag - 2009**Graph 106 - Gross tonnage of ships GT≥500, by P&I status and flag - 2009**

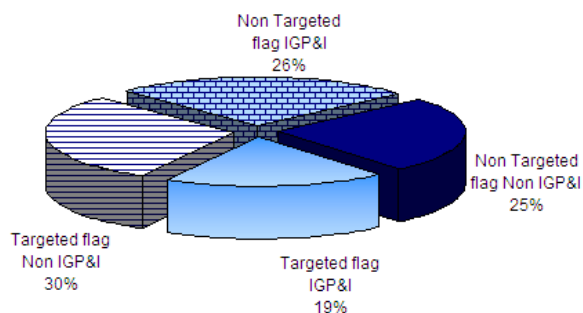
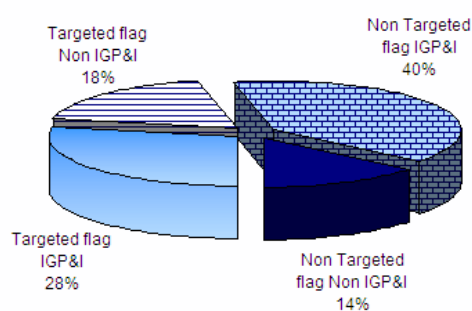
MEDIUM SHIPS

Table 107 - P&I status : total number of medium⁽¹⁾ ships, by type and flag- 2009

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	2,378	34.3%	6,089	56.5%	8,467	1,701	18.0%	2,803	30.7%	4,504
Specialized Cargo Ships	44	0.6%	46	0.4%	90	56	0.6%	22	0.2%	78
Container Ships	695	10.0%	340	3.2%	1,035	1,139	12.1%	206	2.3%	1,345
Ro-Ro Cargo Ships	182	2.6%	236	2.2%	418	273	2.9%	186	2.0%	459
Bulk Carriers	1,069	15.4%	783	7.3%	1,852	994	10.5%	570	6.2%	1,564
Oil and Chemical Tankers	1,521	21.9%	1,383	12.8%	2,904	2,015	21.3%	1,521	16.7%	3,536
Gas Tankers	222	3.2%	133	1.2%	355	378	4.0%	224	2.5%	602
Other Tankers	7	0.1%	9	0.1%	16	2	0.0%	13	0.1%	15
Passenger Ships	182	2.6%	600	5.6%	782	737	7.8%	1,015	11.1%	1,752
Offshore Vessels	417	6.0%	492	4.6%	909	1,489	15.8%	1,295	14.2%	2,784
Service Ships	150	2.2%	489	4.5%	639	377	4.0%	965	10.6%	1,342
Tugs	72	1.0%	177	1.6%	249	280	3.0%	308	3.4%	588
Total	6,939	100%	10,777	100%	17,716	9,441	100%	9,128	100%	18,569

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 108 - P&I status : gross tonnage (in 1000 t) of medium⁽¹⁾ ships, by type and flag- 2009**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	15,056	25.8%	17,752	46.3%	32,808	12,166	14.9%	8,842	30.0%	21,008
Specialized Cargo Ships	490	0.8%	154	0.4%	644	567	0.7%	82	0.3%	649
Container Ships	8,351	14.3%	2,467	6.4%	10,819	15,391	18.9%	1,535	5.2%	16,926
Ro-Ro Cargo Ships	2,084	3.6%	1,450	3.8%	3,533	3,646	4.5%	1,096	3.7%	4,742
Bulk Carriers	17,228	29.5%	7,767	20.2%	24,996	16,889	20.7%	5,465	18.6%	22,354
Oil and Chemical Tankers	11,373	19.5%	3,977	10.4%	15,350	18,922	23.2%	4,197	14.3%	23,119
Gas Tankers	1,124	1.9%	285	0.7%	1,410	3,278	4.0%	326	1.1%	3,604
Other Tankers	10	0.0%	7	0.0%	18	9	0.0%	16	0.1%	25
Passenger Ships	1,074	1.8%	2,518	6.6%	3,592	4,759	5.8%	3,260	11.1%	8,019
Offshore Vessels	791	1.4%	686	1.8%	1,476	3,826	4.7%	2,056	7.0%	5,882
Service Ships	645	1.1%	1,117	2.9%	1,762	1,810	2.2%	2,324	7.9%	4,134
Tugs	106	0.2%	195	0.5%	300	275	0.3%	250	0.8%	525
Total	58,332	100%	38,377	100%	96,709	81,538	100%	29,450	100%	110,988

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 107 - Total number of medium ships, by P&I status and flag- 2009****Graph 108 - Gross tonnage of medium ships, by P&I status and flag - 2009**

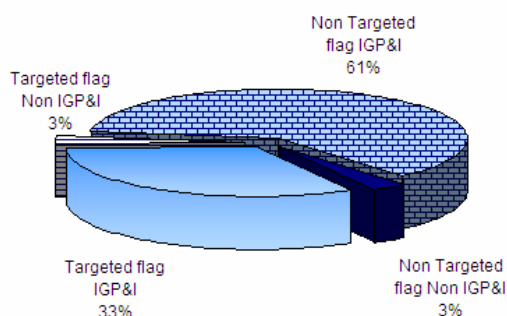
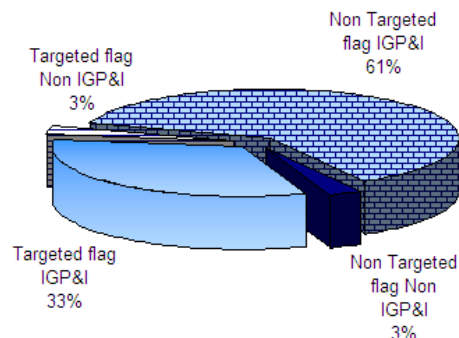
LARGE SHIPS

Table 109 - P&I status : total number of large⁽¹⁾ ships, by type and flag- 2009

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	28	1.0%	7	2.9%	35	167	3.3%	6	2.4%	173
Specialized Cargo Ships	15	0.6%	2	0.8%	17	28	0.6%	2	0.8%	30
Container Ships	371	13.8%	18	7.4%	389	1,133	22.6%	19	7.7%	1,152
Ro-Ro Cargo Ships	254	9.5%	17	7.0%	271	247	4.9%	16	6.5%	263
Bulk Carriers	1,329	49.6%	158	65.0%	1,487	1,610	32.1%	136	55.3%	1,746
Oil and Chemical Tankers	530	19.8%	22	9.1%	552	1,516	30.2%	44	17.9%	1,560
Gas Tankers	59	2.2%	3	1.2%	62	124	2.5%	4	1.6%	128
Other Tankers										
Passenger Ships	83	3.1%	12	4.9%	95	166	3.3%	2	0.8%	168
Offshore Vessels	7	0.3%	3	1.2%	10	18	0.4%	14	5.7%	32
Service Ships	4	0.1%	1	0.4%	5	5	0.1%	3	1.2%	8
Tugs										
Total	2,680	100%	243	100%	2,923	5,014	100%	246	100%	5,260

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 110 - P&I status : gross tonnage (in 1000 t) of large⁽¹⁾ ships, by type and flag- 2009**

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	780	0.8%	199	2.3%	979	5,094	2.7%	182	2.2%	5,275
Specialized Cargo Ships	530	0.5%	56	0.6%	586	1,039	0.5%	81	1.0%	1,120
Container Ships	14,631	14.5%	806	9.2%	15,437	42,978	22.7%	663	8.0%	43,641
Ro-Ro Cargo Ships	11,603	11.5%	736	8.4%	12,339	11,511	6.1%	592	7.1%	12,103
Bulk Carriers	47,355	47.1%	5,571	63.4%	52,926	57,135	30.2%	4,272	51.3%	61,407
Oil and Chemical Tankers	19,584	19.5%	776	8.8%	20,361	59,109	31.3%	1,646	19.8%	60,755
Gas Tankers	2,604	2.6%	107	1.2%	2,711	5,369	2.8%	185	2.2%	5,554
Other Tankers										
Passenger Ships	3,060	3.0%	387	4.4%	3,447	5,791	3.1%	51	0.6%	5,842
Offshore Vessels	340	0.3%	119	1.4%	459	853	0.5%	566	6.8%	1,419
Service Ships	122	0.1%	30	0.3%	152	229	0.1%	97	1.2%	325
Tugs										
Total	100,609	100%	8,787	100%	109,396	189,106	100%	8,334	100%	197,441

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 109 - Total number of large ships, by P&I status and flag- 2009****Graph 110 - Gross tonnage of large ships, by P&I status and flag - 2009**

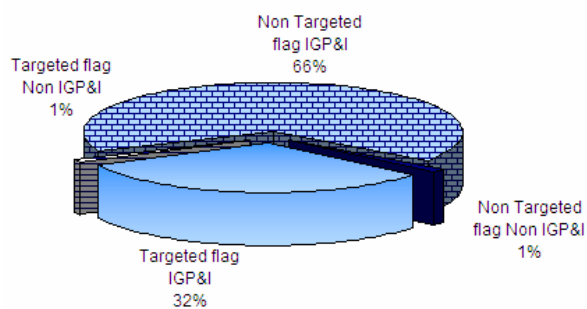
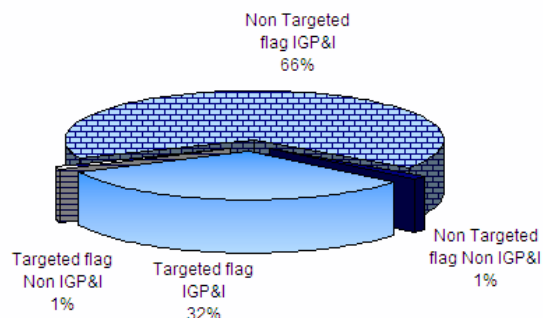
VERY LARGE SHIPS

Table 111 - P&I status : total number of very large⁽¹⁾ ships, by type and flag- 2009

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				1	0.0%	1				
Container Ships	203	18.8%	7	17.5%	210	472	21.1%	1	2.2%	473
Ro-Ro Cargo Ships	47	4.4%			47	61	2.7%			61
Bulk Carriers	463	43.0%	25	62.5%	488	472	21.1%	8	17.4%	480
Oil and Chemical Tankers	257	23.9%	4	10.0%	261	876	39.2%	12	26.1%	888
Gas Tankers	39	3.6%			39	257	11.5%	4	8.7%	261
Other Tankers										
Passenger Ships	53	4.9%			53	66	3.0%			66
Offshore Vessels	15	1.4%	4	10.0%	19	31	1.4%	21	45.7%	52
Service Ships										
Tugs										
Total	1,077	100%	40	100%	1,117	2,236	100%	46	100%	2,282

Source: Equasis - ⁽¹⁾GT≥60,000**Table 112 - P&I status : gross tonnage (in 1000 t) of very large⁽¹⁾ ships, by type and flag- 2009**

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				64	0.0%	64				
Container Ships	16,441	15.6%	576	15.8%	17,017	39,210	17.9%	75	1.8%	39,286
Ro-Ro Cargo Ships	2,937	2.8%			2,937	3,971	1.8%			3,971
Bulk Carriers	42,463	40.4%	2,198	60.2%	44,661	43,566	19.9%	694	16.1%	44,260
Oil and Chemical Tankers	32,843	31.3%	522	14.3%	33,365	94,410	43.2%	1,057	24.6%	95,466
Gas Tankers	3,971	3.8%			3,971	27,669	12.7%	391	9.1%	28,061
Other Tankers										
Passenger Ships	4,810	4.6%			4,810	6,369	2.9%			6,369
Offshore Vessels	1,599	1.5%	354	9.7%	1,953	3,196	1.5%	2,085	48.5%	5,281
Service Ships										
Tugs										
Total	105,064	100%	3,650	100%	108,714	218,457	100%	4,301	100%	222,758

Source: Equasis - ⁽¹⁾GT≥60,000**Graph 111 - Total number of very large ships, by P&I status and flag- 2009****Graph 112 - Gross tonnage of very large ships, by P&I status and flag - 2009**

4.5. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 113 - Whole fleet GT≥500 detention rate^(*), by type and P&I status – 2009

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.17%	10.04%	6.95%
Specialized Cargo Ships	2.97%	13.08%	4.55%
Container Ships	1.26%	4.06%	1.54%
Ro-Ro Cargo Ships	1.92%	10.90%	3.24%
Bulk Carriers	3.27%	8.72%	4.02%
Oil and Chemical Tankers	1.59%	7.47%	2.12%
Gas Tankers	1.62%	8.36%	2.24%
Other Tankers	0.00%		0.00%
Passenger Ships	1.08%	6.66%	1.86%
Offshore Vessels	3.78%	6.88%	4.68%
Service Ships	1.88%	11.13%	6.32%
Tugs	7.45%	4.20%	6.19%
Total	2.42%	9.41%	4.34%

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

Table 114 - Medium⁽¹⁾ ships detention rates^(*), by type and P&I status – 2009

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	3.30%	10.07%	7.11%
Specialized Cargo Ships	3.01%	13.33%	5.01%
Container Ships	1.68%	4.14%	2.16%
Ro-Ro Cargo Ships	2.91%	12.50%	5.67%
Bulk Carriers	3.73%	9.56%	5.17%
Oil and Chemical Tankers	2.35%	8.33%	3.25%
Gas Tankers	2.41%	9.27%	3.29%
Other Tankers	0.00%		0.00%
Passenger Ships	1.51%	6.79%	2.96%
Offshore Vessels	3.83%	7.00%	4.74%
Service Ships	1.90%	11.06%	6.30%
Tugs	7.45%	4.20%	6.19%
Total	2.95%	9.66%	5.61%

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

Table 115 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status – 2009

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	1.12%	1.96%	1.17%
Specialized Cargo Ships	2.90%	10.00%	3.23%
Container Ships	1.14%	3.40%	1.20%
Ro-Ro Cargo Ships	1.54%	3.24%	1.63%
Bulk Carriers	2.92%	6.09%	3.11%
Oil and Chemical Tankers	0.96%	0.45%	0.95%
Gas Tankers	0.32%	0.00%	0.30%
Other Tankers			
Passenger Ships	1.34%	0.00%	1.33%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	0.00%	20.00%	7.69%
Tugs			
Total	1.92%	4.56%	2.04%

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

Table 116 - Very large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2009

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships			
Container Ships	0.64%	4.35%	0.66%
Ro-Ro Cargo Ships	0.56%		0.56%
Bulk Carriers	3.22%	2.52%	3.20%
Oil and Chemical Tankers	0.48%	1.79%	0.50%
Gas Tankers	0.31%	0.00%	0.31%
Other Tankers			
Passenger Ships	0.00%		0.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships			
Tugs			
Total	1.28%	2.40%	1.29%

Source: Equasis - ⁽¹⁾ GT≥60.000 - ^(*) 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

SHIPS WITHOUT INSPECTION RECORD

Ships are subject to Port State Control inspections in most parts of the world but Equasis receives data only from four PSC regimes. Some ships do not trade to these four regimes 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, but these are mainly confined to small ships. 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 very large, large and medium ships could, potentially, be trading in the waters of these

PSC regimes or commence trading to their ports. The inspection figures show the proportion of the fleet which have not been inspected by one of the four PSC regimes in the last 3 years. The figures are sorted by

type and age ranges; type and flag; type and class status; type and P&I coverage.

RESULTS

Table 117 reveals that of 47867 ships in the fleet included in Equasis over 500GT 62% (29811) were inspected at least once in the period 2006-2009 and over 84% by tonnage. Table 119 shows that the number of individual ships inspected increased steadily in the period 2002 to 2009. However, 30 ships less were inspected than in 2008.

The frequency of inspection of ships has remained fairly constant with around a third of inspected ships inspected once and a third inspected twice in each year. Graph 119 shows that the number of ships inspected more than a three times in a year generally remains the same over the five year period.

Regionally Table 120 and Graph 120 indicate that in 2009 there was a greater tendency towards multiple inspections of ships in the Tokyo MoU region than in the other regions.

A comparison of Tables 119 and 121 shows that of the 25987 individual ships inspected in at least one of the regions, 310 (1.1%) were inspected at least once in all four regions during 2009. 1923 (7.3%) were inspected in three regions. 6199 (23.8%) were inspected in two regions. The remaining 66.4% of the ships were inspected in only one of the regions.

Graph 122 shows that the vast majority (93.2%) of ships without an inspection record are in the medium-sized category. A comparison of Tables 1 and 122 shows that

of the 36285 medium-sized ships 16844 (46%) have no record in 2009. Graph 142 indicates that for medium-sized ships the rate of those with no record was lower for targeted flag ships than for non-targeted flags (17% compared with 31%). For large and very large ships the proportion of ships without an inspection record falls to 9% and 13.7% respectively – the rates are similar for both targeted and non-targeted flagged ships.

By age, just over half (51%) of ships without a record were over 25 years old (Graph 124). Similarly by class, 22% has no class recorded, while 30% of ships with no record were recorded as classed by non-IACS members (Graph 132).

5.1. INSPECTION FREQUENCY

INSPECTIONS RECORDS IN EQUASIS

Table 117 - Total number of inspected ships GT≥500 recorded in Equasis, by type – 2006-2009

Ship type	Inspected		No record		Total	
	Number	%	Number	%	Number	%
General Cargo Ships	8,860	29.7%	4,319	23.9%	13,179	27.5%
Specialized Cargo Ships	154	0.5%	62	0.3%	216	0.5%
Container Ships	4,121	13.8%	483	2.7%	4,604	9.6%
Ro-Ro Cargo Ships	1,165	3.9%	354	2.0%	1,519	3.2%
Bulk Carriers	6,398	21.5%	1,219	6.8%	7,617	15.9%
Oil and Chemical Tankers	5,999	20.1%	3,702	20.5%	9,701	20.3%
Gas Tankers	932	3.1%	515	2.9%	1,447	3.0%
Other Tankers	3	0.0%	28	0.2%	31	0.1%
Passenger Ships	772	2.6%	2,144	11.9%	2,916	6.1%
Offshore Vessels	865	2.9%	2,941	16.3%	3,806	8.0%
Service Ships	419	1.4%	1,575	8.7%	1,994	4.2%
Tugs	123	0.4%	714	4.0%	837	1.7%
Total	29,811	100%	18,056	100%	47,867	100%

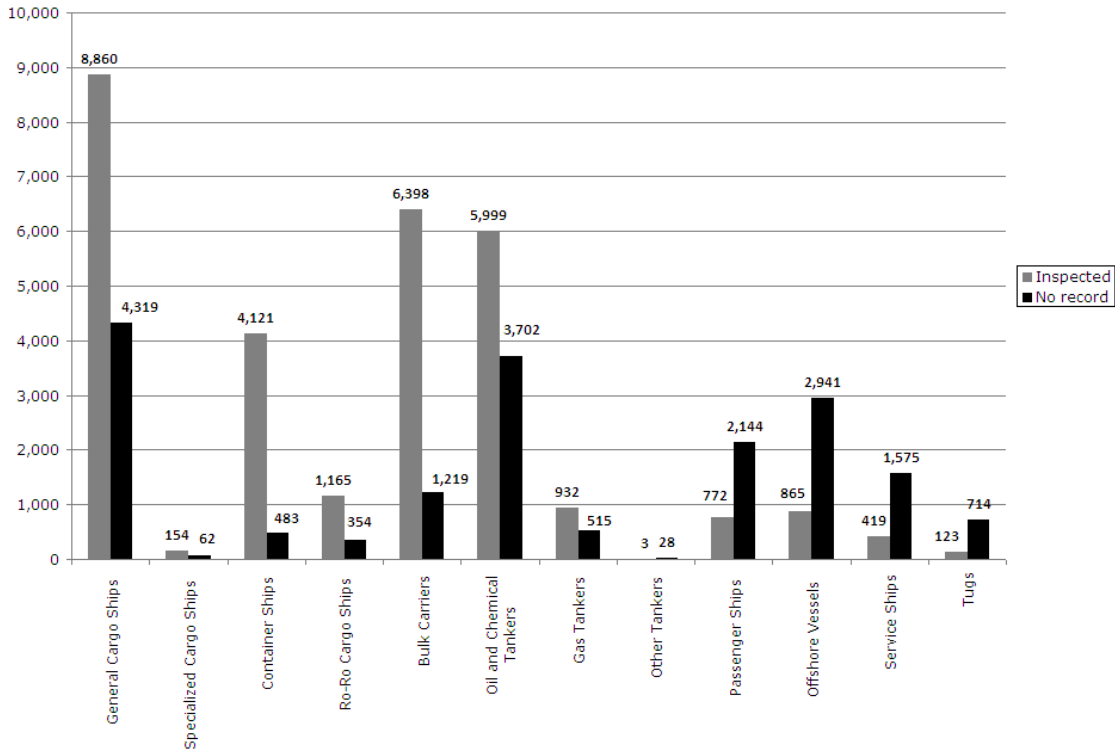
Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, US Coast Guard

Table 118 - Gross tonnage (in 1000 t) of inspected ships GT≥500 recorded in Equasis, by type – 2006-2009

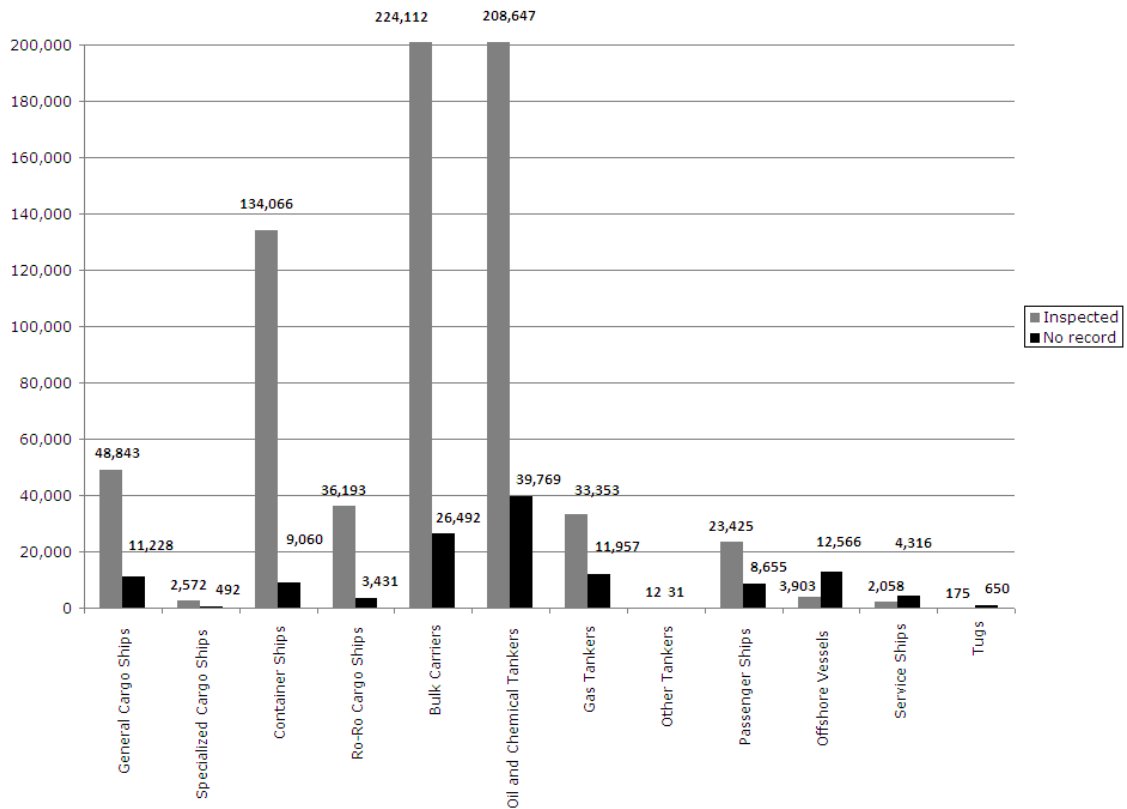
Ship type	Inspected		No record		Total	
	Number	%	Number	%	Number	%
General Cargo Ships	48,843	6.8%	11,228	8.7%	60,071	7.1%
Specialized Cargo Ships	2,572	0.4%	492	0.4%	3,064	0.4%
Container Ships	134,066	18.7%	9,060	7.0%	143,125	16.9%
Ro-Ro Cargo Ships	36,193	5.0%	3,431	2.7%	39,624	4.7%
Bulk Carriers	224,112	31.2%	26,492	20.6%	250,604	29.6%
Oil and Chemical Tankers	208,647	29.1%	39,769	30.9%	248,416	29.4%
Gas Tankers	33,353	4.6%	11,957	9.3%	45,310	5.4%
Other Tankers	12	0.0%	31	0.0%	42	0.0%
Passenger Ships	23,425	3.3%	8,655	6.7%	32,080	3.8%
Offshore Vessels	3,903	0.5%	12,566	9.8%	16,469	1.9%
Service Ships	2,058	0.3%	4,316	3.4%	6,374	0.8%
Tugs	175	0.0%	650	0.5%	825	0.1%
Total	717,359	100%	128,647	100%	846,005	100%

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

Graph 117 - Total number of inspected ships GT≥500 recorded in Equasis, by type – 2006-2009



Graph 118 - Gross tonnage (in 1000 t) of inspected ships GT≥500 recorded in Equasis, by type – 2006-2009

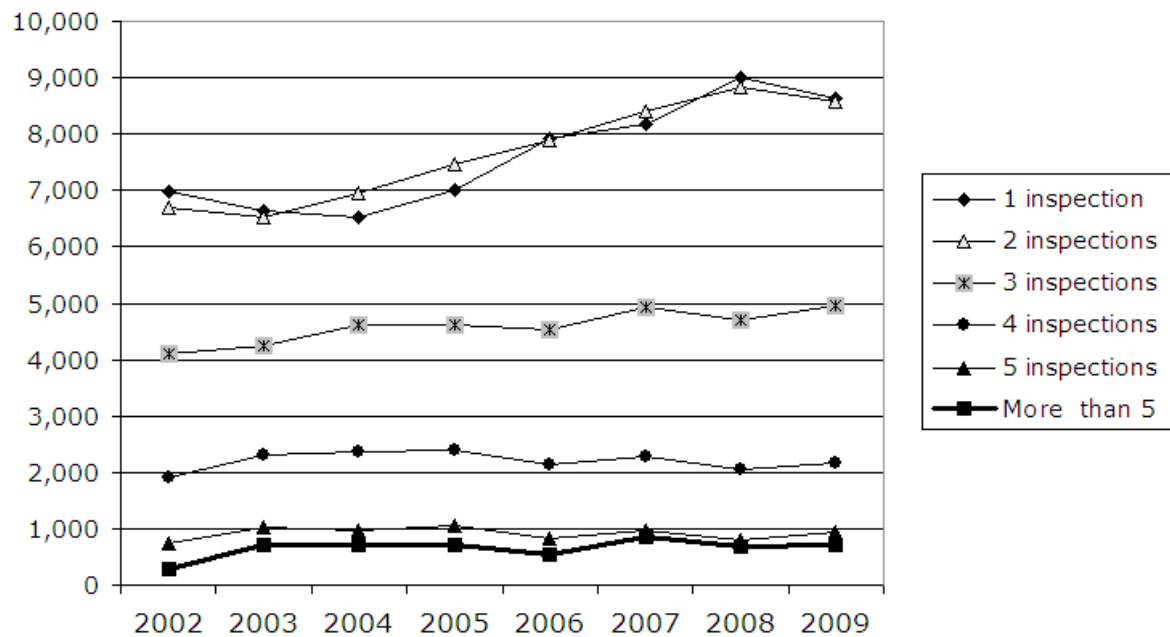


MULTIPLE INSPECTIONS

Table 119 - Total number of individual ships inspected^(*), by number of inspections per ship – 2002-2009

Number of inspections per ship	Number of ships inspected															
	2002		2003		2004		2005		2006		2007		2008		2009	
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%
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%
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	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%
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%
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%
Total	20,680	100%	21,433	100%	22,176	100%	23,244	100%	23,849	100%	25,638	100%	26,017	100%	25,987	100%

Source: Equasis – Paris MoU, Tokyo MoU, IO MoU, US Coast Guard-^(*) Existing ship types in Equasis

Graph 119 -Total number of individual ships inspected^(*), by number of inspections per ship – 2002-2009

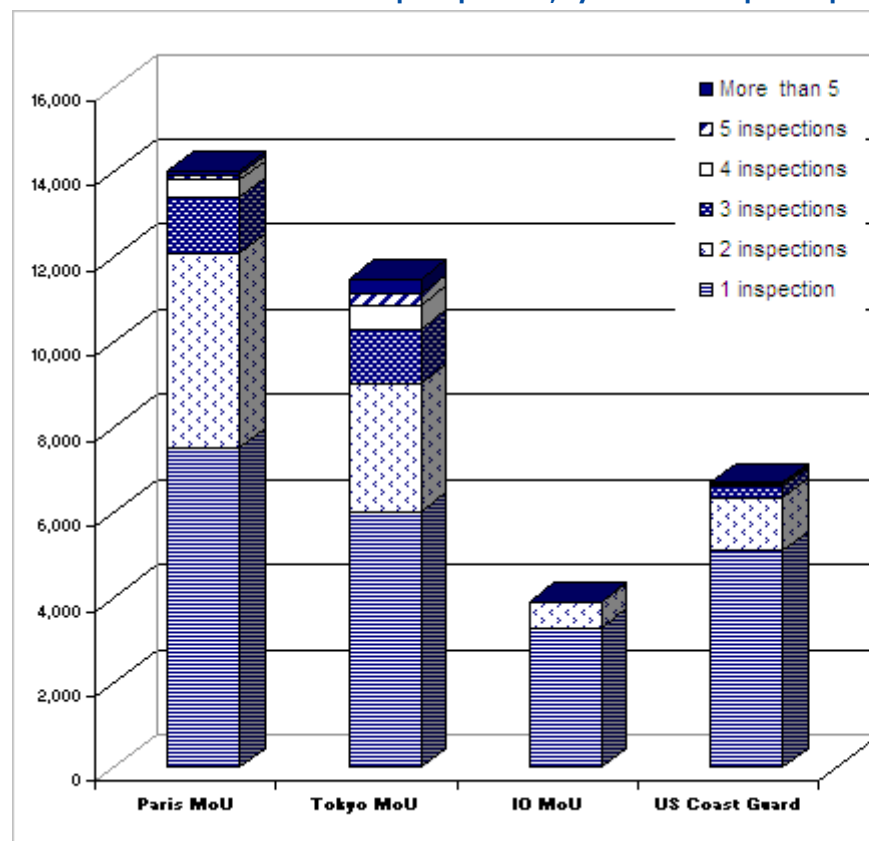
^(*) Existing ship types in Equasis

INSPECTION FREQUENCY BY PSC REGIONS

Table 120 - Total number of individual ships inspected^(*), by number of inspection per ship and by PSC region – 2009

Number of inspections per ship	Number of ships inspected							
	Paris MoU		Tokyo MoU		IO MoU		US Coast Guard	
1	7,525	53.6%	6,018	52.4%	3,288	84.2%	5,111	76.1%
2	4,575	32.6%	3,025	26.3%	588	15.1%	1,235	18.4%
3	1,313	9.4%	1,271	11.1%	29	0.7%	261	3.9%
4	404	2.9%	561	4.9%	1	0.0%	55	0.8%
5	124	0.9%	275	2.4%			22	0.3%
More than 5	99	0.7%	342	3.0%			33	0.5%
Total	14,040	100%	11,492	100%	3,906	100%	6,717	100%

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

Graph 120 - Total number of individual ships inspected^(*), by number of inspection per ship and PSC region – 2009

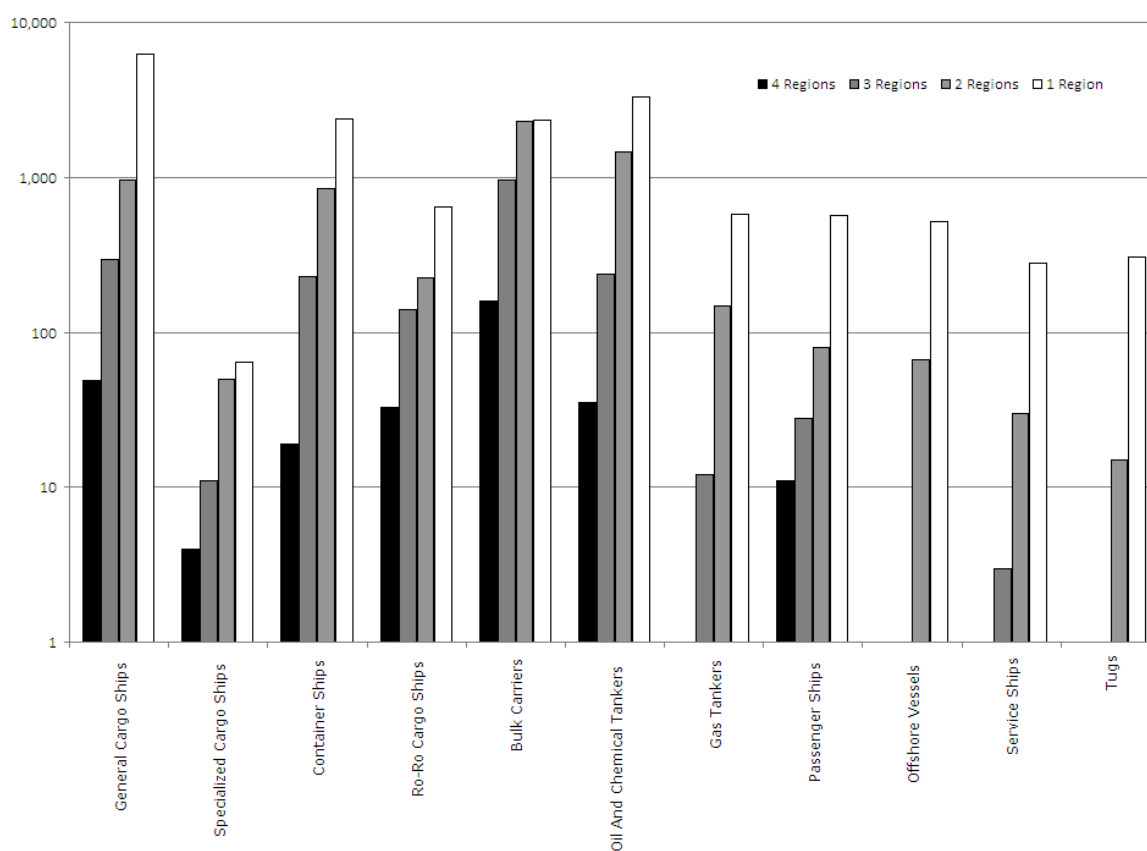
^(*) All existing ship types in Equasis

INSPECTIONS IN MORE THAN ONE REGION

Table 121 - Total number of individual ships inspected per number of PSC regions – 2009

Ship Type	Number of ships inspected							
	1 Region		2 Regions		3 Regions		4 Regions	
General Cargo Ships	6,289	36.4%	968	15.6%	294	15.3%	49	15.8%
Specialized Cargo Ships	64	0.4%	50	0.8%	11	0.6%	4	1.3%
Container Ships	2,378	13.8%	850	13.7%	227	11.8%	19	6.1%
Ro-Ro Cargo Ships	639	3.7%	223	3.6%	140	7.3%	33	10.6%
Bulk Carriers	2,350	13.6%	2,315	37.3%	968	50.3%	158	51.0%
Oil And Chemical Tankers	3,297	19.1%	1,455	23.5%	239	12.4%	35	11.3%
Gas Tankers	582	3.4%	148	2.4%	12	0.6%	1	0.3%
Passenger Ships	566	3.3%	79	1.3%	28	1.5%	11	3.5%
Offshore Vessels	522	3.0%	66	1.1%	1	0.1%		
Service Ships	278	1.6%	30	0.5%	3	0.2%		
Tugs	308	1.8%	15	0.2%				
Total	17,273	100%	6,199	100%	1,923	100%	310	100%

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

Graph 121 - Ships inspected per number of PSC regions, by type – 2009

5.2. SHIPS WITHOUT INSPECTION RECORD

WHOLE FLEET GT≥500

Table 122 - Total number ships GT≥500 without inspection record, by type and size – 2006-2009

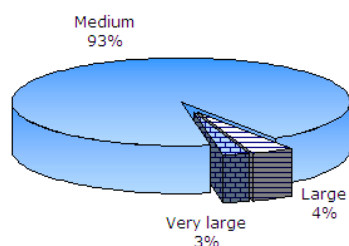
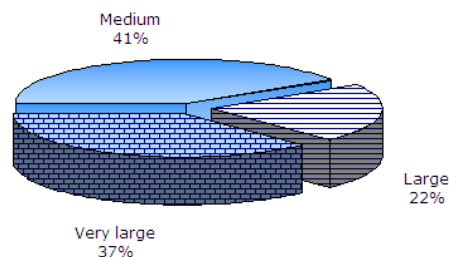
Ship Type	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
General Cargo Ships	4,313	25.6%	6	0.8%			4,319	23.9%
Specialized Cargo Ships	58	0.3%	3	0.4%	1	0.2%	62	0.3%
Container Ships	359	2.1%	101	13.3%	23	5.1%	483	2.7%
Ro-Ro Cargo Ships	319	1.9%	27	3.6%	8	1.8%	354	2.0%
Bulk Carriers	867	5.1%	254	33.5%	98	21.6%	1,219	6.8%
Oil and Chemical Tankers	3,268	19.4%	255	33.6%	179	39.4%	3,702	20.5%
Gas Tankers	402	2.4%	27	3.6%	86	18.9%	515	2.9%
Other Tankers	28	0.2%					28	0.2%
Passenger Ships	2,101	12.5%	41	5.4%	2	0.4%	2,144	11.9%
Offshore Vessels	2,848	16.9%	36	4.7%	57	12.6%	2,941	16.3%
Service Ships	1,567	9.3%	8	1.1%			1,575	8.7%
Tugs	714	4.2%					714	4.0%
Total	16,844	100%	758	100%	454	100%	18,056	100%

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

Table 123 - Gross tonnage (in 1000 t) ships GT≥500 without inspection record, by type and size – 2006-2009

Ship Type	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
General Cargo Ships	11,016	20.9%	212	0.8%			11,228	8.7%
Specialized Cargo Ships	315	0.6%	113	0.4%	64	0.1%	492	0.4%
Container Ships	3,373	6.4%	3,735	13.4%	1,952	4.1%	9,060	7.0%
Ro-Ro Cargo Ships	1,850	3.5%	1,085	3.9%	496	1.0%	3,431	2.7%
Bulk Carriers	7,385	14.0%	8,826	31.7%	10,281	21.4%	26,492	20.6%
Oil and Chemical Tankers	10,814	20.5%	9,453	33.9%	19,502	40.7%	39,769	30.9%
Gas Tankers	1,220	2.3%	1,209	4.3%	9,527	19.9%	11,957	9.3%
Other Tankers	31	0.1%					31	0.0%
Passenger Ships	7,034	13.3%	1,316	4.7%	306	0.6%	8,655	6.7%
Offshore Vessels	5,114	9.7%	1,634	5.9%	5,818	12.1%	12,566	9.8%
Service Ships	4,014	7.6%	302	1.1%			4,316	3.4%
Tugs	650	1.2%					650	0.5%
Total	52,815	100%	27,886	100%	47,946	100%	128,647	100%

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

Graph 122 - Total number of ships GT≥500 without inspection record, by size – 2006-2009**Graph 123 - Gross tonnage of ships GT≥500 without inspection record, by size – 2006-2009**

5.3. SHIPS WITHOUT INSPECTION

RECORD - BY AGE

WHOLE FLEET >500GT

Table 124 - Total number of ships GT≥500 without inspection record, by type and age – 2006-2009

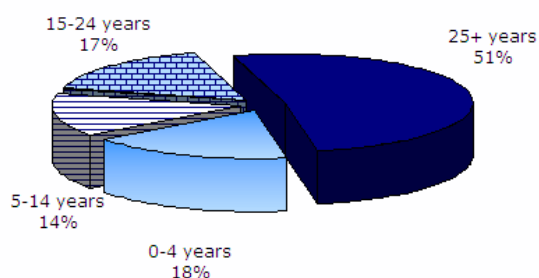
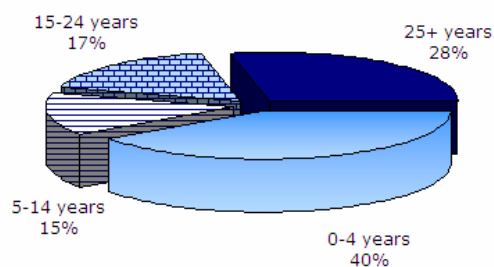
Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	312	9.8%	327	12.9%	619	20.3%	3,061	32.9%	4,319	23.9%
Specialized Cargo Ships	10	0.3%	3	0.1%	6	0.2%	43	0.5%	62	0.3%
Container Ships	194	6.1%	85	3.4%	76	2.5%	128	1.4%	483	2.7%
Ro-Ro Cargo Ships	50	1.6%	67	2.6%	71	2.3%	166	1.8%	354	2.0%
Bulk Carriers	324	10.2%	123	4.9%	309	10.2%	463	5.0%	1,219	6.8%
Oil and Chemical Tankers	723	22.8%	429	17.0%	808	26.5%	1,742	18.7%	3,702	20.5%
Gas Tankers	114	3.6%	112	4.4%	89	2.9%	200	2.1%	515	2.9%
Other Tankers	1	0.0%	1	0.0%	2	0.1%	24	0.3%	28	0.2%
Passenger Ships	226	7.1%	517	20.4%	486	16.0%	915	9.8%	2,144	11.9%
Offshore Vessels	955	30.1%	533	21.1%	201	6.6%	1,252	13.4%	2,941	16.3%
Service Ships	130	4.1%	235	9.3%	295	9.7%	915	9.8%	1,575	8.7%
Tugs	135	4.3%	97	3.8%	82	2.7%	400	4.3%	714	4.0%
Total	3,174	100%	2,529	100%	3,044	100%	9,309	100%	18,056	100%

Source: Equasis

Table 125 - Gross tonnage (in 1000 t) of ships GT≥500 without inspection record, by type and age – 2006-2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,436	2.8%	547	2.9%	1,357	6.3%	7,887	21.6%	11,228	8.7%
Specialized Cargo Ships	127	0.2%	22	0.1%	152	0.7%	190	0.5%	492	0.4%
Container Ships	5,535	10.7%	1,062	5.7%	1,277	5.9%	1,186	3.3%	9,060	7.0%
Ro-Ro Cargo Ships	1,396	2.7%	644	3.4%	455	2.1%	936	2.6%	3,431	2.7%
Bulk Carriers	13,156	25.4%	1,322	7.0%	5,700	26.3%	6,313	17.3%	26,492	20.6%
Oil and Chemical Tankers	18,870	36.4%	6,208	33.1%	7,727	35.7%	6,965	19.1%	39,769	30.9%
Gas Tankers	6,095	11.8%	2,875	15.3%	1,104	5.1%	1,883	5.2%	11,957	9.3%
Other Tankers	1	0.0%	1	0.0%	1	0.0%	27	0.1%	31	0.0%
Passenger Ships	1,408	2.7%	2,682	14.3%	1,833	8.5%	2,733	7.5%	8,655	6.7%
Offshore Vessels	2,928	5.7%	2,546	13.6%	1,167	5.4%	5,924	16.3%	12,566	9.8%
Service Ships	678	1.3%	771	4.1%	804	3.7%	2,062	5.7%	4,316	3.4%
Tugs	142	0.3%	83	0.4%	74	0.3%	351	1.0%	650	0.5%
Total	51,773	100%	18,763	100%	21,653	100%	36,458	100%	128,647	100%

Source: Equasis

Graph 124 - Total number of ships GT≥500 without inspection record, by age – 2006-2009**Graph 125 - Gross tonnage of ships GT≥500 without inspection record, by age – 2006-2009**

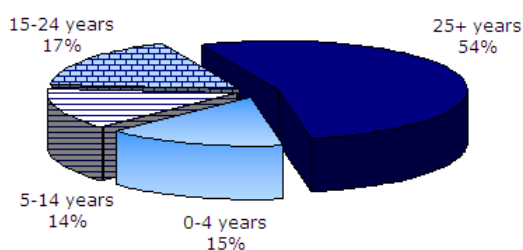
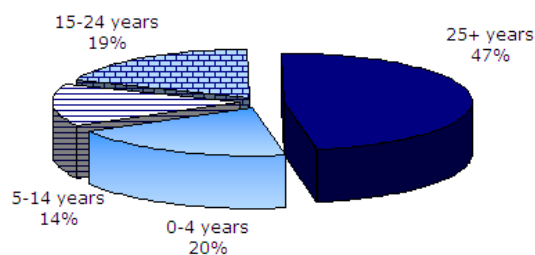
MEDIUM SHIPS

Table 126 - Total number of medium⁽¹⁾ ships without inspection record, by type and age – 2006-2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	308	12.0%	327	13.9%	619	21.8%	3,059	33.6%	4,313	25.6%
Specialized Cargo Ships	10	0.4%	3	0.1%	3	0.1%	42	0.5%	58	0.3%
Container Ships	105	4.1%	74	3.1%	65	2.3%	115	1.3%	359	2.1%
Ro-Ro Cargo Ships	27	1.1%	63	2.7%	68	2.4%	161	1.8%	319	1.9%
Bulk Carriers	131	5.1%	103	4.4%	235	8.3%	398	4.4%	867	5.1%
Oil and Chemical Tankers	501	19.6%	362	15.4%	714	25.2%	1,691	18.6%	3,268	19.4%
Gas Tankers	58	2.3%	87	3.7%	79	2.8%	178	2.0%	402	2.4%
Other Tankers	1	0.0%	1	0.0%	2	0.1%	24	0.3%	28	0.2%
Passenger Ships	216	8.4%	492	20.9%	480	16.9%	913	10.0%	2,101	12.5%
Offshore Vessels	940	36.7%	508	21.6%	193	6.8%	1,207	13.3%	2,848	16.9%
Service Ships	128	5.0%	233	9.9%	294	10.4%	912	10.0%	1,567	9.3%
Tugs	135	5.3%	97	4.1%	82	2.9%	400	4.4%	714	4.2%
Total	2,560	100%	2,350	100%	2,834	100%	9,100	100%	16,844	100%

Source: Equasis / ⁽¹⁾ 500≤GT<25.000**Table 127 - Gross tonnage (in 1000 t) of medium⁽¹⁾ ships without inspection record, by type and age – 2006-2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,298	12.5%	547	7.3%	1,357	13.9%	7,813	31.1%	11,016	20.9%
Specialized Cargo Ships	127	1.2%	22	0.3%	6	0.1%	160	0.6%	315	0.6%
Container Ships	1,154	11.1%	664	8.8%	794	8.1%	760	3.0%	3,373	6.4%
Ro-Ro Cargo Ships	278	2.7%	438	5.8%	345	3.5%	789	3.1%	1,850	3.5%
Bulk Carriers	1,279	12.3%	497	6.6%	1,721	17.6%	3,889	15.5%	7,385	14.0%
Oil and Chemical Tankers	2,259	21.7%	1,349	18.0%	2,473	25.3%	4,733	18.8%	10,814	20.5%
Gas Tankers	344	3.3%	265	3.5%	217	2.2%	395	1.6%	1,220	2.3%
Other Tankers	1	0.0%	1	0.0%	1	0.0%	27	0.1%	31	0.1%
Passenger Ships	866	8.3%	1,836	24.5%	1,652	16.9%	2,679	10.7%	7,034	13.3%
Offshore Vessels	2,064	19.8%	1,099	14.7%	379	3.9%	1,572	6.3%	5,114	9.7%
Service Ships	589	5.7%	701	9.3%	771	7.9%	1,953	7.8%	4,014	7.6%
Tugs	142	1.4%	83	1.1%	74	0.8%	351	1.4%	650	1.2%
Total	10,401	100%	7,502	100%	9,791	100%	25,121	100%	52,815	100%

Source: Equasis / ⁽¹⁾ 500≤GT<25.000**Graph 126 - Total number of medium ships without inspection record, by age – 2006-2009****Graph 127 - Gross tonnage of medium ships without inspection record, by age – 2006-2009**

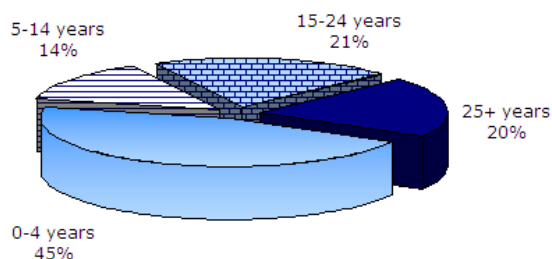
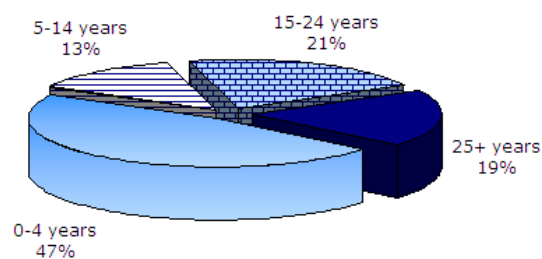
LARGE SHIPS

Table 128 - Total number of large⁽¹⁾ ships without inspection record, by type and age – 2006-2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	4	1.2%					2	1.3%	6	0.8%
Specialized Cargo Ships					2	1.3%	1	0.7%	3	0.4%
Container Ships	69	20.1%	10	9.6%	9	5.7%	13	8.6%	101	13.3%
Ro-Ro Cargo Ships	17	4.9%	2	1.9%	3	1.9%	5	3.3%	27	3.6%
Bulk Carriers	118	34.3%	17	16.3%	58	36.7%	61	40.1%	254	33.5%
Oil and Chemical Tankers	106	30.8%	33	31.7%	74	46.8%	42	27.6%	255	33.6%
Gas Tankers	10	2.9%	2	1.9%	3	1.9%	12	7.9%	27	3.6%
Other Tankers										
Passenger Ships	8	2.3%	25	24.0%	6	3.8%	2	1.3%	41	5.4%
Offshore Vessels	10	2.9%	13	12.5%	2	1.3%	11	7.2%	36	4.7%
Service Ships	2	0.6%	2	1.9%	1	0.6%	3	2.0%	8	1.1%
Tugs										
Total	344	100%	104	100%	158	100%	152	100%	758	100%

Source: Equasis / ⁽¹⁾ 25.000≤GT<60.000**Table 129 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships without inspection record, by type and age – 2006-2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	138	1.1%					74	1.4%	212	0.8%
Specialized Cargo Ships					82	1.4%	30	0.6%	113	0.4%
Container Ships	2,618	20.1%	333	9.0%	359	6.1%	425	7.9%	3,735	13.4%
Ro-Ro Cargo Ships	752	5.8%	76	2.0%	110	1.9%	147	2.7%	1,085	3.9%
Bulk Carriers	4,337	33.3%	477	12.9%	1,861	31.9%	2,151	40.1%	8,826	31.7%
Oil and Chemical Tankers	3,867	29.7%	1,183	32.1%	2,982	51.1%	1,420	26.5%	9,453	33.9%
Gas Tankers	445	3.4%	96	2.6%	143	2.5%	525	9.8%	1,209	4.3%
Other Tankers										
Passenger Ships	236	1.8%	847	23.0%	181	3.1%	53	1.0%	1,316	4.7%
Offshore Vessels	524	4.0%	604	16.4%	82	1.4%	425	7.9%	1,634	5.9%
Service Ships	89	0.7%	70	1.9%	33	0.6%	110	2.0%	302	1.1%
Tugs										
Total	13,007	100%	3,686	100%	5,833	100%	5,361	100%	27,886	100%

Source: Equasis / ⁽¹⁾ 25.000≤GT<60.000**Graph 128 - Total number of large ships without inspection record, by age – 2006-2009****Graph 129 - Gross tonnage of large ships without inspection record, by age – 2006-2009**

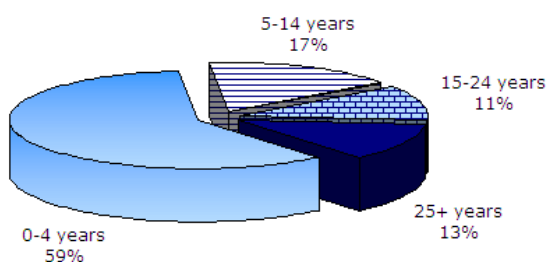
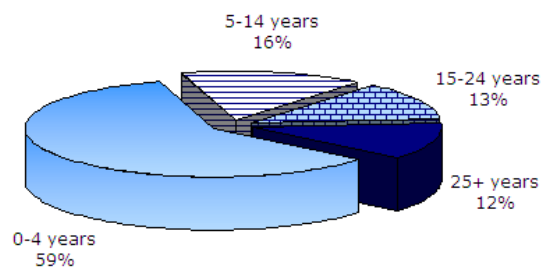
VERY LARGE SHIPS

Table 130 - Total number of very large⁽¹⁾ ships without inspection record, by type and age – 2006-2009

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships					1	1.9%			1	0.2%
Container Ships	20	7.4%	1	1.3%	2	3.8%			23	5.1%
Ro-Ro Cargo Ships	6	2.2%	2	2.7%					8	1.8%
Bulk Carriers	75	27.8%	3	4.0%	16	30.8%	4	7.0%	98	21.6%
Oil and Chemical Tankers	116	43.0%	34	45.3%	20	38.5%	9	15.8%	179	39.4%
Gas Tankers	46	17.0%	23	30.7%	7	13.5%	10	17.5%	86	18.9%
Other Tankers										
Passenger Ships	2	0.7%							2	0.4%
Offshore Vessels	5	1.9%	12	16.0%	6	11.5%	34	59.6%	57	12.6%
Service Ships										
Tugs										
Total	270	100%	75	100%	52	100%	57	100%	454	100%

Source: Equasis / ⁽¹⁾GT≥60,000**Table 131 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships without inspection record, by type and age – 2006-2009**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships					64	1.1%			64	0.1%
Container Ships	1,763	6.2%	65	0.9%	124	2.1%			1,952	4.1%
Ro-Ro Cargo Ships	366	1.3%	131	1.7%					496	1.0%
Bulk Carriers	7,540	26.6%	348	4.6%	2,119	35.1%	273	4.6%	10,281	21.4%
Oil and Chemical Tankers	12,744	44.9%	3,675	48.5%	2,271	37.7%	812	13.6%	19,502	40.7%
Gas Tankers	5,306	18.7%	2,514	33.2%	745	12.3%	963	16.1%	9,527	19.9%
Other Tankers										
Passenger Ships	306	1.1%							306	0.6%
Offshore Vessels	340	1.2%	843	11.1%	707	11.7%	3,928	65.7%	5,818	12.1%
Service Ships										
Tugs										
Total	28,365	100%	7,576	100%	6,029	100%	5,976	100%	47,946	100%

Source: Equasis / ⁽¹⁾GT≥60,000**Graph 130 - Total number of very large ships without inspection record, by age – 2006-2009****Graph 131 - Gross tonnage of very large ships without inspection record, by age – 2006-2009**

5.4. SHIPS WITHOUT INSPECTION

RECORD - BY CLASS

WHOLE FLEET GT≥500

Table 132 - Total number of ships GT≥500 without inspection record, by type and class – 2006-2009

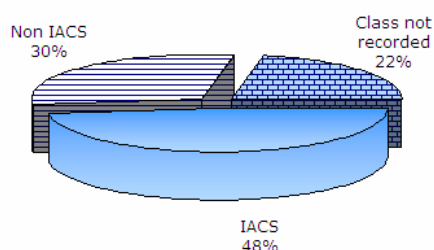
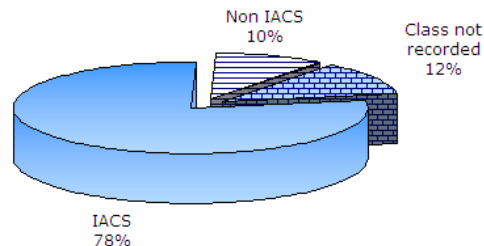
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	639	7.4%	2,201	40.5%	1,479	37.3%	4,319	23.9%
Specialized Cargo ships	27	0.3%	22	0.4%	13	0.3%	62	0.3%
Container ships	342	3.9%	92	1.7%	49	1.2%	483	2.7%
Ro-Ro Cargo ships	210	2.4%	77	1.4%	67	1.7%	354	2.0%
Bulk Carriers	628	7.3%	270	5.0%	321	8.1%	1,219	6.8%
Oil and Chemical Tankers	2,022	23.4%	959	17.7%	721	18.2%	3,702	20.5%
Gas Tankers	375	4.3%	35	0.6%	105	2.6%	515	2.9%
Other Tankers	10	0.1%	8	0.1%	10	0.3%	28	0.2%
Passenger ships	756	8.7%	970	17.9%	418	10.5%	2,144	11.9%
Offshore Vessels	2,469	28.5%	166	3.1%	306	7.7%	2,941	16.3%
Service ships	701	8.1%	506	9.3%	368	9.3%	1,575	8.7%
Tugs	480	5.5%	124	2.3%	110	2.8%	714	4.0%
Total	8,659	100%	5,430	100%	3,967	100%	18,056	100%

Source: Equasis - IACS membership on 31/12/2009

Table 133 - Gross tonnage (in 1000 t) of ships GT≥500 without inspection record, by type and class – 2006-2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	2,705	2.7%	4,376	34.2%	4,147	27.6%	11,228	8.7%
Specialized Cargo ships	358	0.4%	75	0.6%	58	0.4%	492	0.4%
Container ships	8,314	8.2%	358	2.8%	388	2.6%	9,060	7.0%
Ro-Ro Cargo ships	2,895	2.9%	257	2.0%	280	1.9%	3,431	2.7%
Bulk Carriers	19,780	19.6%	1,568	12.3%	5,143	34.2%	26,492	20.6%
Oil and Chemical Tankers	35,218	34.9%	2,120	16.6%	2,431	16.2%	39,769	30.9%
Gas Tankers	11,543	11.4%	280	2.2%	134	0.9%	11,957	9.3%
Other Tankers	11	0.0%	9	0.1%	11	0.1%	31	0.0%
Passenger ships	5,079	5.0%	2,568	20.1%	1,008	6.7%	8,655	6.7%
Offshore Vessels	11,890	11.8%	229	1.8%	447	3.0%	12,566	9.8%
Service ships	2,600	2.6%	846	6.6%	871	5.8%	4,316	3.4%
Tugs	457	0.5%	94	0.7%	99	0.7%	650	0.5%
Total	100,851	100%	12,779	100%	15,017	100%	128,647	100%

Source: Equasis - IACS membership on 31/12/2009

Graph 132 - Total number of ships GT≥500 without inspection record, by class – 2006-2009**Graph 133 - Gross tonnage of ships GT≥500 without inspection record, by class – 2006-2009**

MEDIUM SHIPS

Table 134 - Total number of medium⁽¹⁾ ships without inspection record, by type and class – 2006-2009

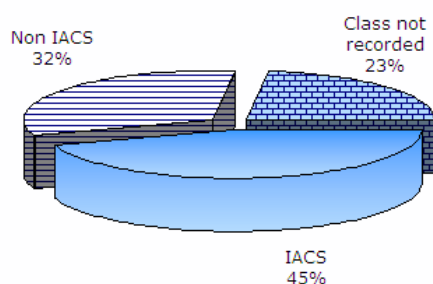
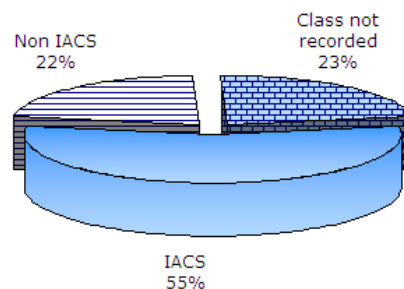
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	633	8.4%	2,201	40.7%	1,479	38.0%	4,313	25.6%
Specialized Cargo ships	24	0.3%	22	0.4%	12	0.3%	58	0.3%
Container ships	219	2.9%	92	1.7%	48	1.2%	359	2.1%
Ro-Ro Cargo ships	176	2.3%	77	1.4%	66	1.7%	319	1.9%
Bulk Carriers	351	4.6%	251	4.6%	265	6.8%	867	5.1%
Oil and Chemical Tankers	1,608	21.3%	953	17.6%	707	18.2%	3,268	19.4%
Gas Tankers	264	3.5%	33	0.6%	105	2.7%	402	2.4%
Other Tankers	10	0.1%	8	0.1%	10	0.3%	28	0.2%
Passenger ships	714	9.5%	970	18.0%	417	10.7%	2,101	12.5%
Offshore Vessels	2,378	31.5%	165	3.1%	305	7.8%	2,848	16.9%
Service ships	695	9.2%	506	9.4%	366	9.4%	1,567	9.3%
Tugs	480	6.4%	124	2.3%	110	2.8%	714	4.2%
Total	7,552	100%	5,402	100%	3,890	100%	16,844	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Table 135 - Gross tonnage (in 1000 t) of ships without inspection record, by type and class – 2006-2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	2,493	8.5%	4,376	37.8%	4,147	34.6%	11,016	20.9%
Specialized Cargo ships	212	0.7%	75	0.6%	28	0.2%	315	0.6%
Container ships	2,758	9.4%	358	3.1%	257	2.1%	3,373	6.4%
Ro-Ro Cargo ships	1,341	4.6%	257	2.2%	252	2.1%	1,850	3.5%
Bulk Carriers	3,239	11.1%	909	7.9%	3,237	27.0%	7,385	14.0%
Oil and Chemical Tankers	7,313	25.0%	1,866	16.1%	1,635	13.7%	10,814	20.5%
Gas Tankers	1,046	3.6%	41	0.4%	134	1.1%	1,220	2.3%
Other Tankers	11	0.0%	9	0.1%	11	0.1%	31	0.1%
Passenger ships	3,483	11.9%	2,568	22.2%	983	8.2%	7,034	13.3%
Offshore Vessels	4,544	15.5%	170	1.5%	400	3.3%	5,114	9.7%
Service ships	2,380	8.1%	846	7.3%	788	6.6%	4,014	7.6%
Tugs	457	1.6%	94	0.8%	99	0.8%	650	1.2%
Total	29,276	100%	11,568	100%	11,971	100%	52,815	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2009

Graph 134 - Total number of medium ships without inspection record, by class – 2006-2009**Graph 135 - Gross tonnage of medium ships without inspection record, by class – 2006-2009**

LARGE SHIPS

Table 136 - Total number of large⁽¹⁾ ships without inspection record, by type and class – 2006-2009

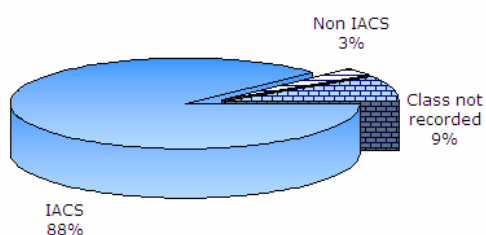
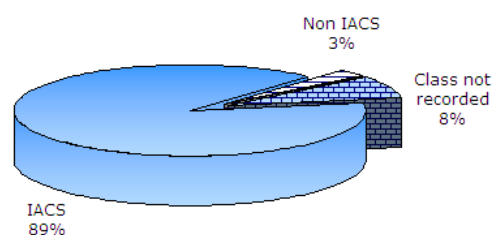
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	6	0.9%					6	0.8%
Specialized Cargo ships	2	0.3%			1	1.5%	3	0.4%
Container ships	101	15.1%					101	13.3%
Ro-Ro Cargo ships	26	3.9%			1	1.5%	27	3.6%
Bulk Carriers	183	27.4%	18	75.0%	53	79.1%	254	33.5%
Oil and Chemical Tankers	242	36.3%	5	20.8%	8	11.9%	255	33.6%
Gas Tankers	27	4.0%					27	3.6%
Other Tankers								
Passenger ships	40	6.0%			1	1.5%	41	5.4%
Offshore Vessels	34	5.1%	1	4.2%	1	1.5%	36	4.7%
Service ships	6	0.9%			2	3.0%	8	1.1%
Tugs								
Total	667	100%	24	100%	67	100%	758	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2009

Table 137 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships without inspection record, by type and class – 2006-2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships	212	0.8%					212	0.8%
Specialized Cargo ships	82	0.3%			30	1.4%	113	0.4%
Container ships	3,735	15.0%					3,735	13.4%
Ro-Ro Cargo ships	1,057	4.2%			28	1.3%	1,085	3.9%
Bulk Carriers	6,604	26.5%	565	71.0%	1,657	77.0%	8,826	31.7%
Oil and Chemical Tankers	8,998	36.1%	172	21.6%	283	13.1%	9,453	33.9%
Gas Tankers	1,209	4.8%					1,209	4.3%
Other Tankers								
Passenger ships	1,291	5.2%			25	1.2%	1,316	4.7%
Offshore Vessels	1,528	6.1%	59	7.4%	47	2.2%	1,634	5.9%
Service ships	220	0.9%			82	3.8%	302	1.1%
Tugs								
Total	24,936	100%	797	100%	2,153	100%	27,886	100%

Source: Equasis - ⁽¹⁾ 25.000 ≤ GT < 60.000 - IACS membership on 31/12/2009

Graph 136 - Total number of large ships without inspection record, by class – 2006-2009**Graph 137 - Gross tonnage of large ships without inspection record, by class – 2006-2009**

VERY LARGE SHIPS

Table 138 - Total number of very large⁽¹⁾ ships without inspection record, by type and class – 2006-2009

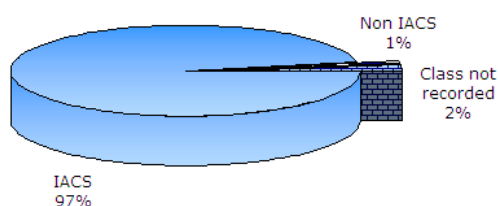
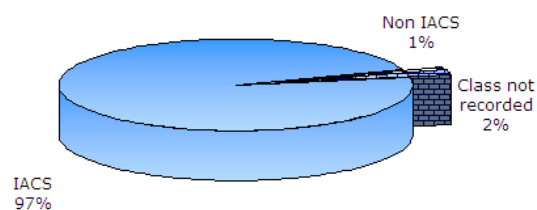
Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships								
Specialized Cargo ships	1	0.2%					1	0.2%
Container ships	22	5.0%			1	10.0%	23	5.1%
Ro-Ro Cargo ships	8	1.8%					8	1.8%
Bulk Carriers	94	21.4%	1	25.0%	3	30.0%	98	21.6%
Oil and Chemical Tankers	172	39.1%	1	25.0%	6	60.0%	179	39.4%
Gas Tankers	84	19.1%	2	50.0%			86	18.9%
Other Tankers								
Passenger ships	2	0.5%					2	0.4%
Offshore Vessels	57	13.0%					57	12.6%
Service ships								
Tugs								
Total	440	100%	4	100%	10	100%	454	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2009

Table 139 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships without inspection record, by type and class – 2006-2009

Ship Type	IACS		Non IACS		Class not recorded		Total	
General Cargo ships								
Specialized Cargo ships	64	0.1%					64	0.1%
Container ships	1,820	3.9%			131	14.7%	1,952	4.1%
Ro-Ro Cargo ships	496	1.1%					496	1.0%
Bulk Carriers	9,938	21.3%	94	22.7%	248	27.8%	10,281	21.4%
Oil and Chemical Tankers	18,908	40.5%	81	19.6%	513	57.5%	19,502	40.7%
Gas Tankers	9,288	19.9%	239	57.6%			9,527	19.9%
Other Tankers								
Passenger ships	306	0.7%					306	0.6%
Offshore Vessels	5,818	12.5%					5,818	12.1%
Service ships								
Tugs								
Total	46,639	100%	414	100%	893	100%	47,946	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2009

Graph 138 - Total number of very large ships without inspection record, by class – 2006-2009**Graph 139 - Gross tonnage of very large ships without inspection record, by class – 2006-2009**

5.5. SHIPS WITHOUT INSPECTION

RECORD - BY FLAG

WHOLE FLEET GT≥500

Table 140 - Total number of ships GT≥500 without inspection record, by type and flag – 2006-2009

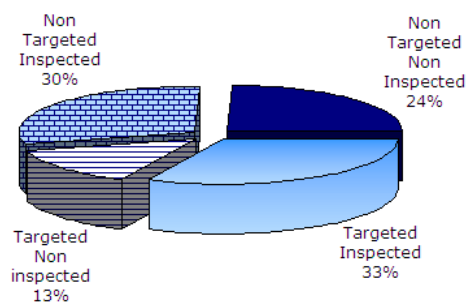
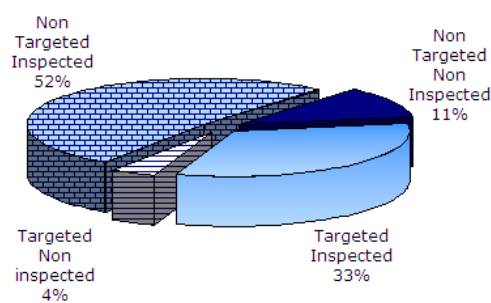
Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	6,363	41.5%	2,139	33.4%	8,502	2,497	17.3%	2,180	18.7%	4,677
Specialized Cargo Ships	73	0.5%	34	0.5%	107	81	0.6%	28	0.2%	109
Container Ships	1,475	9.6%	159	2.5%	1,634	2,646	18.3%	324	2.8%	2,970
Ro-Ro Cargo Ships	617	4.0%	119	1.9%	736	548	3.8%	235	2.0%	783
Bulk Carriers	3,465	22.6%	362	5.7%	3,827	2,933	20.3%	857	7.4%	3,790
Oil and Chemical Tankers	2,286	14.9%	1,431	22.3%	3,717	3,713	25.7%	2,271	19.5%	5,984
Gas Tankers	311	2.0%	145	2.3%	456	621	4.3%	370	3.2%	991
Other Tankers	2	0.0%	14	0.2%	16	1	0.0%	14	0.1%	15
Passenger Ships	280	1.8%	650	10.1%	930	492	3.4%	1,494	12.8%	1,986
Offshore Vessels	242	1.6%	696	10.9%	938	623	4.3%	2,245	19.3%	2,868
Service Ships	177	1.2%	467	7.3%	644	242	1.7%	1,108	9.5%	1,350
Tugs	59	0.4%	190	3.0%	249	64	0.4%	524	4.5%	588
Total	15,350	100%	6,406	100%	21,756	14,461	100%	11,650	100%	26,111

Source: Equasis

Table 141 - Gross tonnage (in 1000 t) of ships GT≥500 without inspection record, by type and flag – 2006-2009

Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	29,035	10.4%	4,752	13.1%	33,787	19,807	4.5%	6,476	7.0%	26,283
Specialized Cargo Ships	1,012	0.4%	219	0.6%	1,231	1,560	0.4%	273	0.3%	1,833
Container Ships	40,904	14.7%	2,368	6.5%	43,273	93,161	21.2%	6,691	7.2%	99,853
Ro-Ro Cargo Ships	17,812	6.4%	997	2.7%	18,809	18,381	4.2%	2,434	2.6%	20,816
Bulk Carriers	114,759	41.2%	7,824	21.5%	122,583	109,353	24.9%	18,668	20.2%	128,021
Oil and Chemical Tankers	57,984	20.8%	11,092	30.5%	69,076	150,663	34.3%	28,677	31.1%	179,340
Gas Tankers	5,938	2.1%	2,154	5.9%	8,092	27,416	6.2%	9,803	10.6%	37,219
Other Tankers	4	0.0%	14	0.0%	18	8	0.0%	16	0.0%	25
Passenger Ships	8,986	3.2%	2,863	7.9%	11,850	14,438	3.3%	5,792	6.3%	20,231
Offshore Vessels	1,304	0.5%	2,583	7.1%	3,887	2,599	0.6%	9,983	10.8%	12,582
Service Ships	656	0.2%	1,258	3.5%	1,915	1,402	0.3%	3,058	3.3%	4,460
Tugs	88	0.0%	213	0.6%	300	87	0.0%	438	0.5%	525
Total	278,482	100%	36,337	100%	314,819	438,876	100%	92,310	100%	531,186

Source: Equasis

Graph 140 - Total number of ships GT≥500 without inspection record, by flag – 2006-2009**Graph 141 - Gross tonnage of ships GT≥500 without inspection record, by flag – 2006-2009**

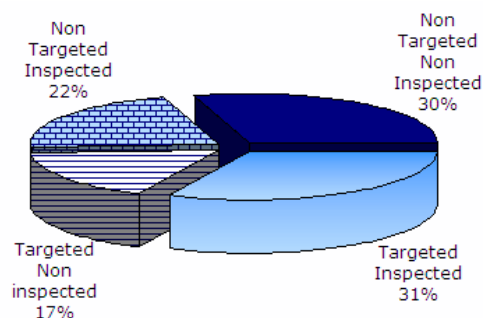
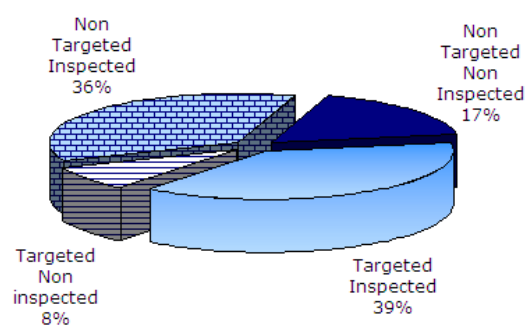
MEDIUM SHIPS

Table 142 - Total number of medium⁽¹⁾ ships without inspection record, by type and flag – 2006-2009

Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	6,330	54.5%	2,137	35.1%	8,467	2,328	29.8%	2,176	20.2%	4,504
Specialized Cargo Ships	57	0.5%	33	0.5%	90	53	0.7%	25	0.2%	78
Container Ships	902	7.8%	133	2.2%	1,035	1,119	14.3%	226	2.1%	1,345
Ro-Ro Cargo Ships	307	2.6%	111	1.8%	418	251	3.2%	208	1.9%	459
Bulk Carriers	1,591	13.7%	261	4.3%	1,852	958	12.2%	606	5.6%	1,564
Oil and Chemical Tankers	1,580	13.6%	1,324	21.7%	2,904	1,592	20.4%	1,944	18.1%	3,536
Gas Tankers	231	2.0%	124	2.0%	355	324	4.1%	278	2.6%	602
Other Tankers	2	0.0%	14	0.2%	16	1	0.0%	14	0.1%	15
Passenger Ships	153	1.3%	629	10.3%	782	280	3.6%	1,472	13.7%	1,752
Offshore Vessels	232	2.0%	677	11.1%	909	613	7.8%	2,171	20.2%	2,784
Service Ships	175	1.5%	464	7.6%	639	239	3.1%	1,103	10.3%	1,342
Tugs	59	0.5%	190	3.1%	249	64	0.8%	524	4.9%	588
Total	11,619	100%	6,097	100%	17,716	7,822	100%	10,747	100%	18,569

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 143 - Gross tonnage (in 1000 t) of medium⁽¹⁾ ships without inspection record, by type and flag – 2006-2009**

Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	28,115	35.3%	4,693	27.4%	32,808	14,686	19.5%	6,323	17.7%	21,008
Specialized Cargo Ships	456	0.6%	188	1.1%	644	523	0.7%	127	0.4%	649
Container Ships	9,826	12.3%	992	5.8%	10,819	14,545	19.3%	2,380	6.7%	16,926
Ro-Ro Cargo Ships	2,974	3.7%	559	3.3%	3,533	3,452	4.6%	1,291	3.6%	4,742
Bulk Carriers	23,536	29.6%	1,460	8.5%	24,996	16,429	21.8%	5,925	16.6%	22,354
Oil and Chemical Tankers	11,080	13.9%	4,271	24.9%	15,350	16,575	22.0%	6,544	18.3%	23,119
Gas Tankers	1,073	1.3%	337	2.0%	1,410	2,721	3.6%	884	2.5%	3,604
Other Tankers	4	0.0%	14	0.1%	18	8	0.0%	16	0.0%	25
Passenger Ships	1,399	1.8%	2,194	12.8%	3,592	3,179	4.2%	4,840	13.6%	8,019
Offshore Vessels	420	0.5%	1,056	6.2%	1,476	1,825	2.4%	4,058	11.4%	5,882
Service Ships	601	0.8%	1,162	6.8%	1,762	1,282	1.7%	2,852	8.0%	4,134
Tugs	88	0.1%	213	1.2%	300	87	0.1%	438	1.2%	525
Total	79,570	100%	17,139	100%	96,709	75,311	100%	35,676	100%	110,988

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 142 - Total number of medium ships without inspection record, by flag – 2006-2009****Graph 143 - Gross tonnage of medium ships without inspection record, by flag – 2006-2009**

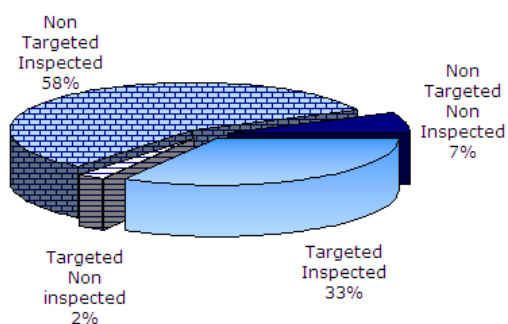
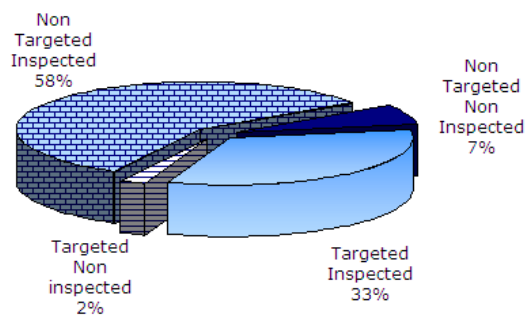
LARGE SHIPS

Table 144 - Total number of large⁽¹⁾ ships without inspection record, by type and flag – 2006-2009

Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	33	1.2%	2	1.0%	35	169	3.6%	4	0.7%	173
Specialized Cargo Ships	16	0.6%	1	0.5%	17	28	0.6%	2	0.4%	30
Container Ships	370	13.5%	19	9.9%	389	1,070	22.8%	82	14.5%	1,152
Ro-Ro Cargo Ships	265	9.7%	6	3.1%	271	242	5.2%	21	3.7%	263
Bulk Carriers	1,430	52.4%	57	29.7%	1,487	1,549	33.0%	197	34.8%	1,746
Oil and Chemical Tankers	483	17.7%	69	35.9%	552	1,374	29.3%	186	32.9%	1,560
Gas Tankers	56	2.1%	6	3.1%	62	107	2.3%	21	3.7%	128
Other Tankers										
Passenger Ships	74	2.7%	21	10.9%	95	148	3.2%	20	3.5%	168
Offshore Vessels	2	0.1%	8	4.2%	10	4	0.1%	28	4.9%	32
Service Ships	2	0.1%	3	1.6%	5	3	0.1%	5	0.9%	8
Tugs										
Total	2,731	100%	192	100%	2,923	4,694	100%	566	100%	5,260

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 145 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships without inspection record, by type and flag – 2006-2009**

Ship Type	Targeted flag					Non Targeted flag				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	921	0.9%	58	0.8%	979	5,122	2.9%	154	0.7%	5,275
Specialized Cargo Ships	556	0.5%	30	0.4%	586	1,037	0.6%	82	0.4%	1,120
Container Ships	14,713	14.4%	724	10.1%	15,437	40,630	23.0%	3,011	14.5%	43,641
Ro-Ro Cargo Ships	12,022	11.8%	317	4.4%	12,339	11,334	6.4%	768	3.7%	12,103
Bulk Carriers	50,856	49.7%	2,069	29.0%	52,926	54,650	30.9%	6,757	32.6%	61,407
Oil and Chemical Tankers	17,811	17.4%	2,550	35.7%	20,361	53,852	30.5%	6,903	33.3%	60,755
Gas Tankers	2,456	2.4%	255	3.6%	2,711	4,600	2.6%	954	4.6%	5,554
Other Tankers										
Passenger Ships	2,778	2.7%	669	9.4%	3,447	5,195	2.9%	647	3.1%	5,842
Offshore Vessels	92	0.1%	366	5.1%	459	151	0.1%	1,268	6.1%	1,419
Service Ships	56	0.1%	97	1.4%	152	120	0.1%	206	1.0%	325
Tugs										
Total	102,260	100%	7,136	100%	109,396	176,691	100%	20,750	100%	197,441

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 144 - Total number of large ships without inspection record, by flag – 2006-2009****Graph 145 - Gross tonnage of large ships without inspection record, by flag – 2006-2009**

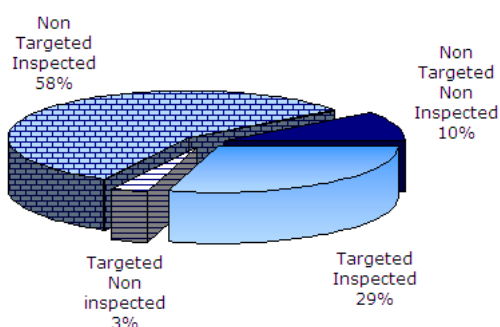
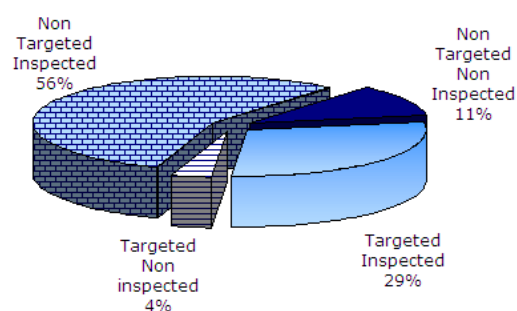
VERY LARGE SHIPS

Table 146 - Total number of very large⁽¹⁾ ships without inspection record, by type and flag – 2006-2009

Ship Type	Targeted flag			Non Targeted flag		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships						
Specialized Cargo Ships					1 0.3%	1
Container Ships	203 20.3%	7 6.0%	210	457 23.5%	16 4.7%	473
Ro-Ro Cargo Ships	45 4.5%	2 1.7%	47	55 2.8%	6 1.8%	61
Bulk Carriers	444 44.4%	44 37.6%	488	426 21.9%	54 16.0%	480
Oil and Chemical Tankers	223 22.3%	38 32.5%	261	747 38.4%	141 41.8%	888
Gas Tankers	24 2.4%	15 12.8%	39	190 9.8%	71 21.1%	261
Other Tankers						
Passenger Ships	53 5.3%		53	64 3.3%	2 0.6%	66
Offshore Vessels	8 0.8%	11 9.4%	19	6 0.3%	46 13.6%	52
Service Ships						
Tugs						
Total	1,000 100%	117 100%	1,117	1,945 100%	337 100%	2,282

Source: Equasis - ⁽¹⁾GT≥60,000**Table 147 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships without inspection record, by type and flag – 2006-2009**

Ship Type	Targeted flag			Non Targeted flag		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships						
Specialized Cargo Ships					64 0.2%	64
Container Ships	16,365 16.9%	652 5.4%	17,017	37,986 20.3%	1,300 3.6%	39,286
Ro-Ro Cargo Ships	2,816 2.9%	121 1.0%	2,937	3,596 1.9%	376 1.0%	3,971
Bulk Carriers	40,367 41.8%	4,295 35.6%	44,661	38,274 20.5%	5,986 16.7%	44,260
Oil and Chemical Tankers	29,093 30.1%	4,272 35.4%	33,365	80,236 42.9%	15,230 42.4%	95,466
Gas Tankers	2,408 2.5%	1,562 13.0%	3,971	20,095 10.8%	7,965 22.2%	28,061
Other Tankers						
Passenger Ships	4,810 5.0%		4,810	6,064 3.2%	306 0.9%	6,369
Offshore Vessels	792 0.8%	1,160 9.6%	1,953	623 0.3%	4,658 13.0%	5,281
Service Ships						
Tugs						
Total	96,652 100%	12,062 100%	108,714	186,874 100%	35,884 100%	222,758

Source: Equasis - ⁽¹⁾GT≥60,000**Graph 146 - Total number of very large ships without inspection record, by flag – 2006-2009****Graph 147 - Gross tonnage of very large ships without inspection record, by flag – 2006-2009**

5.6. SHIPS WITHOUT INSPECTION

RECORD - BY IGP&I

WHOLE FLEET GT≥500

Table 148 - Total number of ships GT≥500 without inspection record, by type and IGP&I – 2006-2009

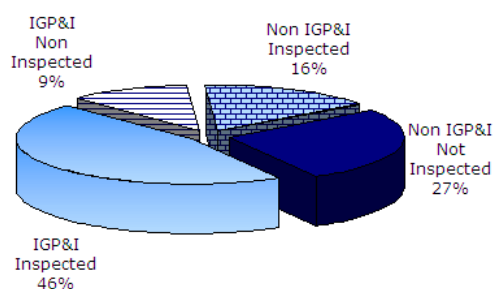
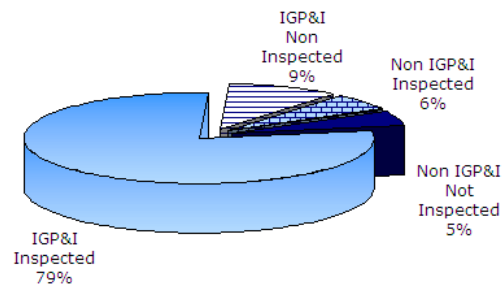
Ship Type	IGP&I			Non IGP&I		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships	3,983 18.1%	291 5.5%	4,274	4,877 62.9%	4,028 31.6%	8,905
Specialized Cargo Ships	125 0.6%	19 0.4%	144	29 0.4%	43 0.3%	72
Container Ships	3,710 16.8%	303 5.7%	4,013	411 5.3%	180 1.4%	591
Ro-Ro Cargo Ships	980 4.4%	84 1.6%	1,064	185 2.4%	270 2.1%	455
Bulk Carriers	5,509 25.0%	428 8.0%	5,937	889 11.5%	791 6.2%	1,680
Oil and Chemical Tankers	5,353 24.3%	1,362 25.6%	6,715	646 8.3%	2,340 18.4%	2,986
Gas Tankers	850 3.9%	229 4.3%	1,079	82 1.1%	286 2.2%	368
Other Tankers	3 0.0%	6 0.1%	9		22 0.2%	22
Passenger Ships	610 2.8%	677 12.7%	1,287	162 2.1%	1,467 11.5%	1,629
Offshore Vessels	597 2.7%	1,380 25.9%	1,977	268 3.5%	1,561 12.3%	1,829
Service Ships	265 1.2%	271 5.1%	536	154 2.0%	1,304 10.2%	1,458
Tugs	76 0.3%	276 5.2%	352	47 0.6%	438 3.4%	485
Total	22,061 100%	5,326 100%	27,387	7,750 100%	12,730 100%	20,480

Source: Equasis

Table 149 - Gross tonnage (in 1000 t) of ships GT≥500 without inspection record, by type and IGP&I – 2006-2009

Ship Type	IGP&I			Non IGP&I		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships	31,581 4.7%	1,515 1.7%	33,096	17,262 33.5%	9,713 23.4%	26,975
Specialized Cargo Ships	2,341 0.4%	349 0.4%	2,690	231 0.4%	143 0.3%	374
Container Ships	129,155 19.4%	7,847 9.0%	137,002	4,911 9.5%	1,212 2.9%	6,123
Ro-Ro Cargo Ships	33,852 5.1%	1,899 2.2%	35,751	2,341 4.6%	1,532 3.7%	3,874
Bulk Carriers	206,698 31.0%	17,939 20.6%	224,636	17,414 33.8%	8,553 20.6%	25,968
Oil and Chemical Tankers	202,997 30.5%	33,244 38.1%	236,241	5,649 11.0%	6,525 15.7%	12,175
Gas Tankers	32,623 4.9%	11,393 13.1%	44,016	731 1.4%	564 1.4%	1,295
Other Tankers	12 0.0%	8 0.0%	19		23 0.1%	23
Passenger Ships	22,160 3.3%	3,705 4.2%	25,864	1,265 2.5%	4,951 11.9%	6,216
Offshore Vessels	2,855 0.4%	7,749 8.9%	10,604	1,048 2.0%	4,817 11.6%	5,865
Service Ships	1,503 0.2%	1,302 1.5%	2,806	555 1.1%	3,014 7.3%	3,568
Tugs	123 0.0%	258 0.3%	381	52 0.1%	392 0.9%	444
Total	665,899 100%	87,207 100%	753,106	51,460 100%	41,439 100%	92,899

Source: Equasis

Graph 148 - Total number of ships GT≥500 without inspection record, by IGP&I – 2006-2009**Graph 149 - Gross tonnage of ships GT≥500 without inspection record, by IGP&I – 2006-2009**

MEDIUM SHIPS

Table 150 - Total number of medium⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009

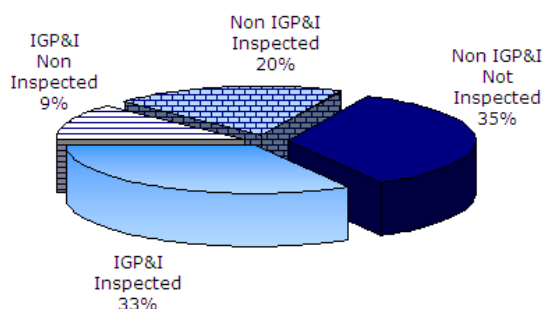
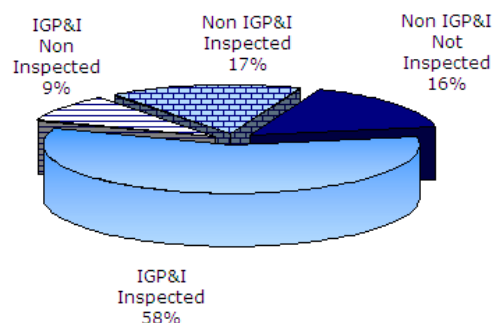
Ship Type	IGP&I					Non IGP&I				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	3,793	31.4%	286	6.7%	4,079	4,865	66.2%	4,027	32.1%	8,892
Specialized Cargo Ships	85	0.7%	15	0.3%	100	25	0.3%	43	0.3%	68
Container Ships	1,652	13.7%	182	4.2%	1,834	369	5.0%	177	1.4%	546
Ro-Ro Cargo Ships	400	3.3%	55	1.3%	455	158	2.1%	264	2.1%	422
Bulk Carriers	1,892	15.7%	171	4.0%	2,063	657	8.9%	696	5.5%	1,353
Oil and Chemical Tankers	2,583	21.4%	953	22.2%	3,536	589	8.0%	2,315	18.4%	2,904
Gas Tankers	482	4.0%	118	2.7%	600	73	1.0%	284	2.3%	357
Other Tankers	3	0.0%	6	0.1%	9			22	0.2%	22
Passenger Ships	277	2.3%	642	15.0%	919	156	2.1%	1,459	11.6%	1,615
Offshore Vessels	584	4.8%	1,322	30.8%	1,906	261	3.6%	1,526	12.2%	1,787
Service Ships	262	2.2%	265	6.2%	527	152	2.1%	1,302	10.4%	1,454
Tugs	76	0.6%	276	6.4%	352	47	0.6%	438	3.5%	485
Total	12,089	100%	4,291	100%	16,380	7,352	100%	12,553	100%	19,905

Source: Equasis - ⁽¹⁾500≤GT<25.000 - ⁽²⁾Inspections in the period 2006-2009

Table 151 - Gross tonnage (in 1000 t) of medium⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009

Ship Type	IGP&I					Non IGP&I				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	25,883	21.5%	1,339	6.9%	27,222	16,917	49.3%	9,677	28.9%	26,594
Specialized Cargo Ships	884	0.7%	172	0.9%	1,057	94	0.3%	143	0.4%	237
Container Ships	21,302	17.7%	2,440	12.6%	23,742	3,070	8.9%	932	2.8%	4,002
Ro-Ro Cargo Ships	5,233	4.3%	496	2.6%	5,729	1,193	3.5%	1,353	4.0%	2,546
Bulk Carriers	31,987	26.5%	2,131	11.0%	34,118	7,979	23.2%	5,254	15.7%	13,233
Oil and Chemical Tankers	24,885	20.6%	5,410	28.0%	30,295	2,769	8.1%	5,405	16.1%	8,174
Gas Tankers	3,614	3.0%	789	4.1%	4,403	180	0.5%	432	1.3%	612
Other Tankers	12	0.0%	8	0.0%	19			23	0.1%	23
Passenger Ships	3,485	2.9%	2,348	12.2%	5,833	1,093	3.2%	4,685	14.0%	5,778
Offshore Vessels	1,749	1.5%	2,867	14.8%	4,616	496	1.4%	2,247	6.7%	2,742
Service Ships	1,391	1.2%	1,064	5.5%	2,455	492	1.4%	2,950	8.8%	3,442
Tugs	123	0.1%	258	1.3%	381	52	0.2%	392	1.2%	444
Total	120,548	100%	19,322	100%	139,870	34,333	100%	33,493	100%	67,826

Source: Equasis - ⁽¹⁾500≤GT<25.000

Graph 150 - Total number of medium ships without inspection record, by IGP&I – 2006-2009**Graph 151 - Gross tonnage of medium ships without inspection record, by IGP&I – 2006-2009**

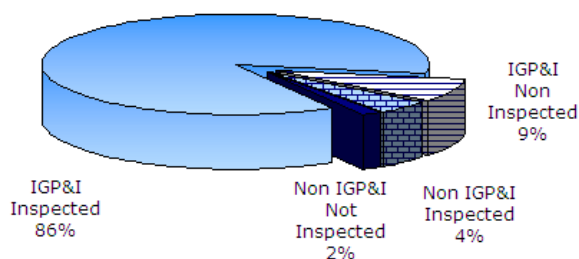
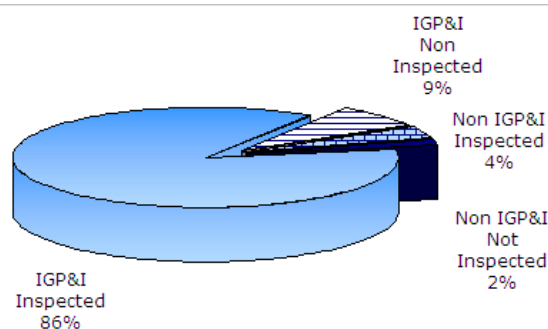
LARGE SHIPS

Table 152 - Total number of large⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009

Ship Type	IGP&I					Non IGP&I				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	190	2.7%	5	0.8%	195	12	3.5%	1	0.7%	13
Specialized Cargo Ships	40	0.6%	3	0.5%	43	4	1.2%			4
Container Ships	1,403	19.8%	101	16.4%	1,504	37	10.7%			37
Ro-Ro Cargo Ships	480	6.8%	21	3.4%	501	27	7.8%	6	4.2%	33
Bulk Carriers	2,775	39.2%	164	26.7%	2,939	204	59.1%	90	62.5%	294
Oil and Chemical Tankers	1,813	25.6%	233	37.9%	2,046	44	12.8%	22	15.3%	66
Gas Tankers	157	2.2%	26	4.2%	183	6	1.7%	1	0.7%	7
Other Tankers										
Passenger Ships	216	3.1%	33	5.4%	249	6	1.7%	8	5.6%	14
Offshore Vessels	3	0.0%	22	3.6%	25	3	0.9%	14	9.7%	17
Service Ships	3	0.0%	6	1.0%	9	2	0.6%	2	1.4%	4
Tugs										
Total	7,080	100%	614	100%	7,694	345	100%	144	100%	489

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Table 153 - Gross tonnage (in 1000 t) of large⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009**

Ship Type	IGP&I					Non IGP&I				
	Inspected		No record		Total	Inspected		No record		Total
General Cargo Ships	5,697	2.1%	177	0.8%	5,874	345	2.8%	35	0.7%	381
Specialized Cargo Ships	1,456	0.5%	113	0.5%	1,569	137	1.1%			137
Container Ships	53,873	20.2%	3,735	16.2%	57,608	1,469	12.0%			1,469
Ro-Ro Cargo Ships	22,207	8.3%	906	3.9%	23,113	1,149	9.4%	179	3.7%	1,328
Bulk Carriers	98,538	37.0%	5,951	25.8%	104,489	6,968	56.8%	2,875	59.3%	9,843
Oil and Chemical Tankers	70,066	26.3%	8,627	37.4%	78,693	1,597	13.0%	826	17.0%	2,422
Gas Tankers	6,794	2.5%	1,179	5.1%	7,973	262	2.1%	30	0.6%	292
Other Tankers										
Passenger Ships	7,801	2.9%	1,051	4.6%	8,852	172	1.4%	265	5.5%	437
Offshore Vessels	130	0.0%	1,062	4.6%	1,192	113	0.9%	572	11.8%	685
Service Ships	112	0.0%	239	1.0%	351	63	0.5%	63	1.3%	127
Tugs										
Total	266,676	100%	23,040	100%	289,715	12,275	100%	4,846	100%	17,122

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 152 - Total number of large ships without inspection record, by IGP&I – 2006-2009****Graph 153 - Gross tonnage of large ships without inspection record, by IGP&I – 2006-2009**

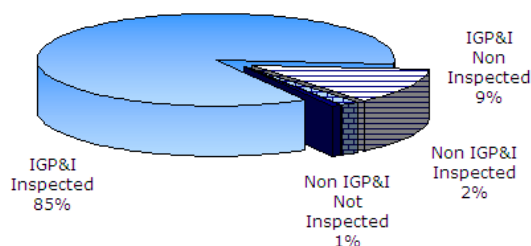
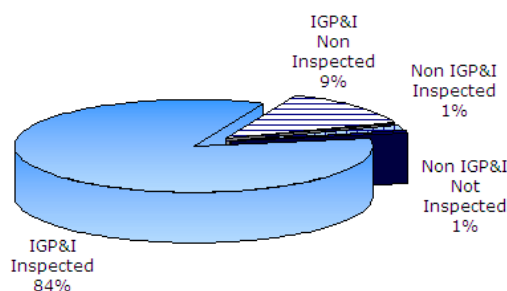
VERY LARGE SHIPS

Table 154 - Total number of very large⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009

Ship Type	IGP&I			Non IGP&I		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships						
Specialized Cargo Ships		1 0.2%	1			
Container Ships	655 22.6%	20 4.8%	675	5 9.4%	3 9.1%	8
Ro-Ro Cargo Ships	100 3.5%	8 1.9%	108			
Bulk Carriers	842 29.1%	93 22.1%	935	28 52.8%	5 15.2%	33
Oil and Chemical Tankers	957 33.1%	176 41.8%	1,133	13 24.5%	3 9.1%	16
Gas Tankers	211 7.3%	85 20.2%	296	3 5.7%	1 3.0%	4
Other Tankers						
Passenger Ships	117 4.0%	2 0.5%	119			
Offshore Vessels	10 0.3%	36 8.6%	46	4 7.5%	21 63.6%	25
Service Ships						
Tugs						
Total	2,892 100%	421 100%	3,313	53 100%	33 100%	86

Source: Equasis - ⁽¹⁾GT≥60,000**Table 155 - Gross tonnage (in 1000 t) of very large⁽¹⁾ ships without inspection record, by type and IGP&I – 2006-2009**

Ship Type	IGP&I			Non IGP&I		
	Inspected	No record	Total	Inspected	No record	Total
General Cargo Ships						
Specialized Cargo Ships		64 0.1%	64			
Container Ships	53,979 19.4%	1,672 3.7%	55,651	372 7.7%	280 9.0%	652
Ro-Ro Cargo Ships	6,412 2.3%	496 1.1%	6,908			
Bulk Carriers	76,173 27.3%	9,856 22.0%	86,029	2,468 50.9%	424 13.7%	2,892
Oil and Chemical Tankers	108,046 38.8%	19,207 42.8%	127,253	1,283 26.5%	295 9.5%	1,578
Gas Tankers	22,215 8.0%	9,425 21.0%	31,640	289 6.0%	102 3.3%	391
Other Tankers						
Passenger Ships	10,874 3.9%	306 0.7%	11,180			
Offshore Vessels	976 0.4%	3,819 8.5%	4,795	439 9.1%	1,999 64.5%	2,438
Service Ships						
Tugs						
Total	278,674 100%	44,846 100%	323,521	4,852 100%	3,100 100%	7,951

Source: Equasis - ⁽¹⁾GT≥60,000 - ⁽²⁾Inspections in the period 2006-2009**Graph 154 - Total number of very large ships without inspection record, by IGP&I – 2006-2009****Graph 155 - Gross tonnage of very large ships without inspection record, by IGP&I – 2006-2009**

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

- | | |
|-----------------|--|
| 1. Intertanko | Oil & chemical tankers
Gas carriers |
| 2. Intercargo | Bulk carriers of over 10,000Dwt (and associated types such as ore carriers and woodchip carriers etc.) |
| 3. Intermanager | General cargo ships
Oil & chemical tankers
Bulk carriers |
| 4. Green Award | Oil & chemical tankers |

Industry Vetting Programmes

- | | |
|----------|--|
| 4. CDI | Oil & chemical tankers
Gas carriers |
| 5. OCIMF | Oil & chemical tankers
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 which are outside the schemes.

Shipping Companies

For each ship, Equasis records the company which 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 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 make up 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 2009.

RESULTS

Table 156 indicates that the majority of ships are not covered by the trade associations and industry vetting programmes providing data to Equasis. However, of the large and very large oil, chemical and gas tankers just over a half (1934 out of 3751) are covered by Intertanko while nearly 93% are covered by OCIMF (3497 out of 3751). OCIMF also covers around 44% of medium-sized oil, chemical and gas tankers (3111 out of 7014).

Tables 159 to 161 suggest that medium, large and very large ships 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, large ships covered by Intertanko were each inspected on average 1.73 times (2096 inspections of 1211 ships) compared with 1.39 times (1446 inspections of 1091 ships) for the ship types not covered by Intertanko.

Table 158 indicates that ships covered by a trade association or industry vetting programme were detained less often than those not covered. For example the detention rate of inspected ships covered by Intercargo was 2.2% compared with 5.8% for the ships types not covered. It is a similar picture for ships covered by Intertanko, Intermanager, Green Award, CDI and OCIMF. This trend is more or less repeated over all ship sizes.

Table 162 shows that just over a half (56.2%) of the companies operate just one ship. Over 86% operate five or fewer, although these companies account for 32.3% of the fleet over 500GT by number. The table also shows that companies with more than 10 ships have smaller proportion of their ships under targeted flags than the average for the whole fleet – in the case of companies with 51 to 100 ships the

proportion is 39.8% compared with the average of 45% per class size.

Table 163 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 was around 2% while one- and two-ship companies had rates of 9.6% and 8.2% respectively.

6.1. SCHEME STATUS

Table 156 - Total number of ships, by size and vetting programmes and trade associations – 2009

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	940	6,457	1,211	1,091	723	726	2,874	8,274
% of Total	32.7%	78.0%	42.1%	13.2%	25.2%	8.8%		
Intercargo	146	16,241	500	2,941	176	792	822	19,974
% of Total	17.8%	81.3%	60.8%	14.7%	21.4%	4.0%		
Intermanager	107	22,720	118	5,435	41	2,076	266	30,231
% of Total	40.2%	75.2%	44.4%	18.0%	15.4%	6.9%		
Green Award	6	6,434	90	2,022	133	1,016	229	9,472
% of Total	2.6%	67.9%	39.3%	21.3%	58.1%	10.7%		
CDI	1,635	5,762	222	2,080	0	1,449	1,857	9,291
% of Total	88.0%	62.0%	12.0%	22.4%	0.0%	15.6%		
OCIMF	3,522	3,875	2,113	189	1,384	65	7,019	4,129
% of Total	50.2%	93.8%	30.1%	4.6%	19.7%	1.6%		

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

Table 157 - Gross tonnage (in 1000 t) of ships, by size and vetting programmes and trade associations – 2009

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	11,948	31,535	47,207	42,174	79,683	81,179	138,838	154,888
% of Total	8.6%	20.4%	34.0%	27.2%	57.4%	52.4%		
Intercargo	2,749	98,418	17,203	103,384	15,730	73,191	35,682	274,993
% of Total	7.7%	35.8%	48.2%	37.6%	44.1%	26.6%		
Intermanager	1,580	138,056	4,377	197,326	4,476	213,276	10,433	548,658
% of Total	15.1%	25.2%	42.0%	36.0%	42.9%	38.9%		
Green Award	141	38,328	4,264	76,852	14,173	114,658	18,578	229,838
% of Total	0.8%	16.7%	23.0%	33.4%	76.3%	49.9%		
CDI	13,958	29,525	7,473	81,908	0	160,862	21,431	272,295
% of Total	65.1%	10.8%	34.9%	30.1%	0.0%	59.1%		
OCIMF	29,120	14,363	82,526	6,855	154,254	6,609	265,900	27,827
% of Total	11.0%	51.6%	31.0%	24.6%	58.0%	23.8%		

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

6.2. SAFETY PERFORMANCE

Table 158 - Safety performance of ships, by inspections and detentions rates^(*) – 2009

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.9%	3.0%	2.1%	40	196	236	4,689	6,611	11,300
in % of total				16.9%	83.1%		41.5%	58.5%	
Intercargo	2.2%	5.8%	5.6%	39	1,884	1,923	1,805	32,296	34,101
in % of total				2.0%	98.0%		5.3%	94.7%	
Intermanager	3.5%	4.8%	4.8%	19	2,107	2,126	538	43,525	44,063
in % of total				0.9%	99.1%		1.2%	98.8%	
Green Award	0.3%	2.1%	2.0%	1	202	203	372	9,590	9,962
in % of total				0.5%	99.5%		3.7%	96.3%	
CDI	1.4%	2.4%	2.1%	50	186	236	3,490	7,810	11,300
in % of total				21.2%	78.8%		30.9%	69.1%	
OCIMF	1.1%	8.5%	2.1%	109	127	236	9,806	1,494	11,300
in % of total				46.2%	53.8%		86.8%	13.2%	

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

Table 159 - Safety performance of medium⁽¹⁾ ships, by inspections and detentions rates^(*) – 2009

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	1.2%	3.9%	3.2%	20	176	196	1,653	4,484	6,137
in % of total				10.2%	89.8%		26.9%	73.1%	
Intercargo	1.5%	6.5%	6.4%	6	1,610	1,616	397	24,800	25,197
in % of total				0.4%	99.6%		1.6%	98.4%	
Intermanager	5.1%	5.8%	5.8%	11	1,769	1,780	216	30,267	30,483
in % of total				0.6%	99.4%		0.7%	99.3%	
Green Award	0.0%	3.1%	3.1%	0	164	164	10	5,276	5,286
in % of total				0.0%	100%		0.2%	99.8%	
CDI	1.5%	4.9%	3.2%	46	150	196	3,105	3,032	6,137
in % of total				23.5%	76.5%		50.6%	49.4%	
OCIMF	1.6%	8.8%	3.2%	74	122	196	4,752	1,385	6,137
in % of total				37.8%	62.2%		77.4%	22.6%	

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

Table 160 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*) – 2009

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.8%	1.0%	0.9%	16	15	31	2,096	1,446	3,542
in % of total				51.6%	48.4%		59.2%	40.8%	
Intercargo	2.2%	3.7%	3.5%	25	234	259	1,156	6,297	7,453
in % of total				9.7%	90.3%		15.5%	84.5%	
Intermanager	3.1%	2.7%	2.7%	8	282	290	255	10,512	10,767
in % of total				2.8%	97.2%		2.4%	97.6%	
Green Award	0.0%	1.0%	0.9%	0	31	31	146	3,168	3,314
in % of total				0.0%	100%		4.4%	95.6%	
CDI	1.0%	0.9%	0.9%	4	27	31	385	3,157	3,542
in % of total				12.9%	87.1%		10.9%	89.1%	
OCIMF	0.8%	5.2%	0.9%	26	5	31	3,446	96	3,542
in % of total				83.9%	16.1%		97.3%	2.7%	

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

Table 161 - Safety performance of very large⁽¹⁾ ships, by inspections and detentions rates^(*) – 2009

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.4%	0.7%	0.6%	4	5	9	940	681	1,621
in % of total				44.4%	55.6%		58.0%	42.0%	
Intercargo	3.2%	3.3%	3.3%	8	40	48	252	1,199	1,451
in % of total				16.7%	83.3%		17.4%	82.6%	
Intermanager	0.0%	2.0%	2.0%	0	56	56	67	2,746	2,813
in % of total				0.0%	100.0%		2.4%	97.6%	
Green Award	0.5%	0.6%	0.6%	1	7	8	216	1,146	1,362
in % of total				12.5%	87.5%		15.9%	84.1%	
CDI		0.6%	0.6%	0	9	9	0	1,621	1,621
in % of total				0.0%	100.0%		0.0%	100%	
OCIMF	0.6%	0.0%	0.6%	9	0	9	1,608	13	1,621
in % of total				100.0%	0.0%		99.2%	0.8%	

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

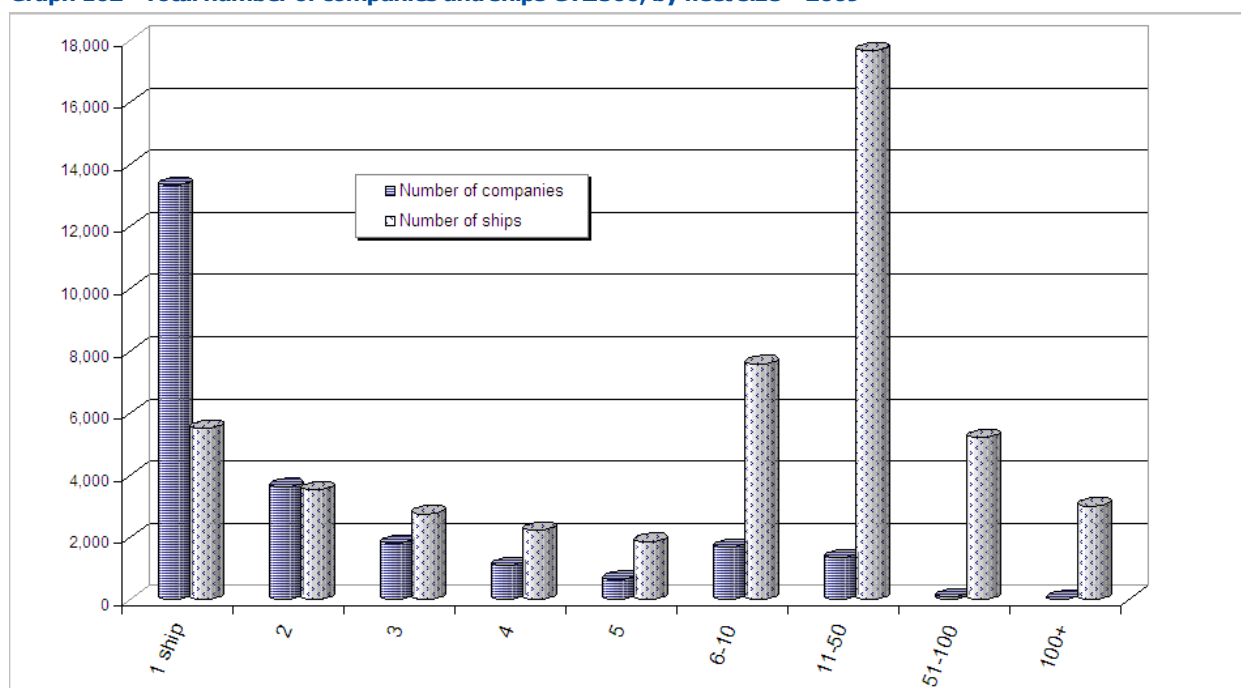
6.3. COMPANY PERFORMANCE

Table 162 - Total number of companies and ships, by fleet size and flag – 2009

Company fleet size (by number of ships GT≥100)	Number of companies ⁽¹⁾		Number of ships ⁽²⁾		Number of ships under targeted flag ⁽²⁾		Total share of ships under targeted flag ⁽³⁾
1 ship	13,323	56.2%	5,522	11.2%	3,026	13.5%	54.8%
2	3,638	15.4%	3,536	7.2%	1,997	8.9%	56.5%
3	1,808	7.6%	2,763	5.6%	1,489	6.6%	53.9%
4	1,088	4.6%	2,245	4.5%	1,136	5.1%	50.6%
5	654	2.8%	1,875	3.8%	1,009	4.5%	53.8%
6-10	1,691	7.1%	7,591	15.4%	3,749	16.7%	49.4%
11-50	1,361	5.7%	17,669	35.7%	7,345	32.7%	41.6%
51-100	105	0.4%	5,222	10.6%	2,080	9.3%	39.8%
100+	24	0.1%	3,012	6.1%	609	2.7%	20.2%
Total	23,692	100%	49,435	100%	22,440	100%	45.4%

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

Graph 162 - Total number of companies and ships GT≥500, by fleet size – 2009

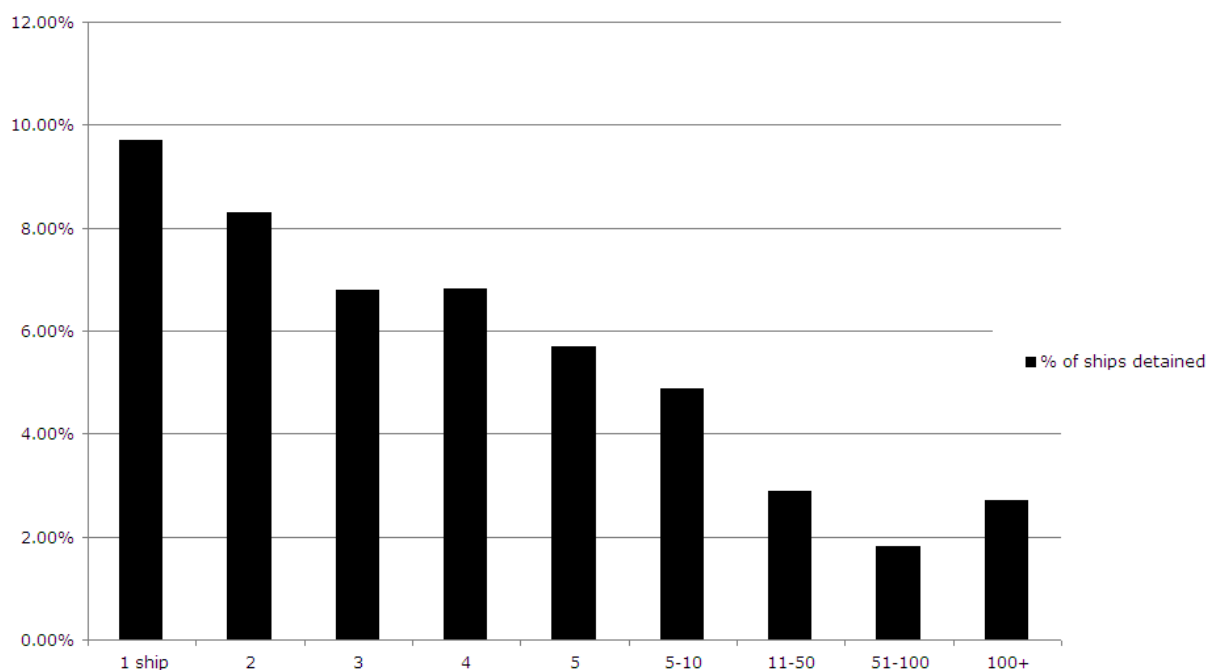


Graph 162 - Total number of companies and ships GT≥500, by fleet size and flag – 2009

Table 163 - Total number of inspections and detention rates^(*), by company fleet size – 2009

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	3,963	6.7%	384	15.1%	9.69%
2	3,485	5.9%	289	11.3%	8.29%
3	3,036	5.1%	206	8.1%	6.79%
4	2,640	4.5%	180	7.1%	6.82%
5	2,211	3.7%	126	4.9%	5.70%
5-10	9,433	15.9%	459	18.0%	4.87%
11-50	23,971	40.5%	694	27.2%	2.90%
51-100	7,775	13.1%	141	5.5%	1.81%
100+	2,655	4.5%	72	2.8%	2.71%
Total	59,169	100%	2,551	100%	4.31%

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

Graph 163 - Total number of inspections and detention, by fleet size – 2009

Annex I

Ship type aggregations

General Cargo Ships

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

Specialized Cargo Ships

Stone Carrier
 Log-Tipping Ship
 Nuclear Fuel Carrier
 Heavy Load Carrier
 Barge Carrier
 Livestock Carrier

Container Ships

Container Ship
 Passenger/Container Ship

Ro-Ro Cargo Ships

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

Bulk Carriers

Ore/Oil Carrier
 Bulk Carrier
 Powder Carrier
 Bulk/Oil Carrier
 Aggregates Carrier
 Self-Discharging Bulk Carrier
 Cement Carrier
 Wood Chips Carrier
 Refined Sugar Carrier
 Alumina Carrier
 Limestone Carrier
 Ore Carrier

Oil and Chemical Tankers

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

Gas Tankers

LPG Tanker
 LNG Tanker

Other Tankers

Wine Tanker
 Vegetable Oil Tanker
 Water Tanker
 Fruit Juice Tanker
 Molasses Tanker
 Oil-Sludge Tanker
 Edible Oil Tanker
 Bitumen Tanker

Passenger Ships

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

Offshore Vessels

Pipe-Layer
 Offshore Supply Ship
 Offshore Tug/Supply Ship
 Drilling Ship
 Supply Vessel
 Offshore Processing Ship
 Well-Stimulation Vessel
 Standby-Safety Vessel
 Production Testing Vessel
 Offshore Support Vessel

Service Ships

Search & Rescue Vessel
 Salvage Ship
 Buoy/Lighthouse Vessel
 Work/Repair Vessel
 Hospital Vessel
 Other Non-Merchant Ships
 Sail Training Ship
 Utility Vessel
 Research Vessel
 Naval/Naval Auxiliary
 Training Ship
 Pollution Control Vessel
 Fire-Fighting Vessel
 Waste Disposal Vessel
 Cable-Layer
 Icebreaker
 Crane Ship
 Dredger
 Hopper Dredger

Tugs

Pusher Tug
 Tug

Annex II

Targeted Flag States 2009

The flags listed below appeared on at least one of the targeted flag lists used in 2009 in the Port State Control regimes of the Paris MoU, Tokyo MoU and USCG (safety targeting). The lists were submitted to the IMO's Sub-Committee on Flag State Implementation in paper FSI 16/INF.10 dated 27 March 2009. Further details are included in the respective Annual Reports for 2004, 2006 and 2006.

<u>A</u>	Albania Antigua and Barbuda	<u>L</u>	Lebanon Libyan Arab Jamahiriya Lithuania
<u>B</u>	Belize Bolivia	<u>M</u>	Malta Mexico Mongolia Moldova Republic of
<u>C</u>	Cambodia Comoros Croatia Chile Cook Islands Cayman Islands	<u>N</u>	Netherlands
<u>D</u>	Dominica	<u>P</u>	Panama Papua New Guinea
<u>E</u>	Egypt	<u>R</u>	Russian Federation
<u>G</u>	Georgia	<u>S</u>	Sierra Leone Slovakia St Vincent and Grenadines St Kitts and Nevis Syrian Arab Republic
<u>H</u>	Honduras	<u>T</u>	Thailand Tuvalu Togo Turkey
<u>I</u>	Indonesia Italy	<u>U</u>	Ukraine
<u>J</u>	Jamaica	<u>V</u>	Vietnam
<u>K</u>	Kiribati Korea Republic Korea Democratic Republic		