



**Electronic Quality Shipping
Information System**

The 2021 World Merchant Fleet

Statistics from Equasis

Equasis is supported by the following contributing members:



20 years Promoting Ship Safety and Environmental Protection

Table of content

1.	Themes and Tables	3
2.	The Merchant Fleet Population	6
2.1.	Whole Fleet.....	8
2.2.	Ships by age	9
2.3.	Ships by flag	14
2.4.	Ship sightings by geographical area	18
3.	Classification Societies	20
3.1.	Class status	22
3.2.	Class status and age	26
3.3.	Class status and flag	42
3.4.	Safety performance.....	46
4.	P&I.....	48
4.1.	P&I status	50
4.2.	IGP&I and age.....	54
4.3.	Non IGP&I and age	58
4.4.	P&I and flag	62
4.5.	Safety performance.....	66
5.	Port State Control	68
5.1.	Port State Control Overview	71
5.2.	Ships Inspected Between 2018 and 2020 – By Age	76
5.3.	Ships Inspected Between 2018 and 2020 – By P&I.....	80
5.4.	Ships Inspected Between 2018 and 2020 – By Flag.....	84
5.5.	PSC Records of Recognised Organisations	88
5.6.	Statutory Certificates	92
6.	Trade Associations and Industry Vetting Programmes	93
6.1.	Scheme status.....	95
6.2.	Safety performance.....	96
6.3.	Company performance	98
	Annexes	100
Annex I.	Ship type aggregations	100
Annex II.	Targeted Flag States 2020	102
Annex III.	Default PSC Ship types	103
Annex IV.	List of Statutory Certificates, by conventions	104
Annex V.	Ships in the scope of Trade Association and vetting programs.....	105

Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2021, derived from data contained in the Equasis database. It examines the structure and characteristics of the fleet and its performance. The statistics are grouped into themes which could be of interest to the industry and regulators.

The themes are as follows:

1. The Merchant Fleet Population,
2. Classification Societies,
3. P&I Clubs and Insurance Companies,
4. Port State Control (PSC) regimes; and
5. Vetting Programmes and Trade Associations

OVERVIEW

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

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

This report also contains information on internationally operating fishing vessels over 100GT with an IMO number. They represent a total of 25,952 vessels reported to Equasis (345 ships more compared to 2020). These vessels now represent 21.8% of the ships in the Equasis information system. Approximately one fifth of these vessels (5,766, 105 more vessels compared to 2020) are over 500GT and therefore are included, where appropriate, in the statistics after Chapter.

1

SIZE

Ships are grouped by size into four categories:

1. Small ships 100 GT to 499 GT,
2. Medium ships 500 GT to 24.999 GT,
3. Large ships 25.000 GT to 59.999 GT; and
4. Very Large ships ≥ 60.000 GT

The small ships size category reflects the main tonnage threshold for merchant ships to comply with the SOLAS Convention. This category also includes many ships which do not trade internationally and therefore are not covered by the International Conventions or the port State control regimes, but for which some flag States require the same standards.

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

Regulatory and commercial tonnage thresholds are not common to all ship types. As a compromise, categories medium, large and very-large (i.e.: 2, 3 and 4) have been chosen to divide the fleet into three approximately equal parts in terms of tonnage. These three together represent the larger worldwide trading merchant ships.

SHIP TYPES

Equasis uses over 100 descriptions of ship type provided by IHS Markit Maritime & Trade. For this report these types have been aggregated into 13 main types as follows:

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

Annex I describe how this aggregation has been accomplished. This Annex is regularly reviewed to include new ship types that were excluded in the previous versions of the Equasis World Fleet Report (WFR) annual statistics, but which should now be included to better reflect the situation of the world merchant fleet.

PSC SHIP TYPES

Port State Control (PSC) regimes use specific ship type categories that are different from the ones used by IHS Markit Maritime & Trade. From 2011 onwards, these categories have been used in Chapter 5 (PSC) for ship types.

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

The "default PSC ship type" is based on the ship type as provided by IHS Markit Maritime & Trade. Annex III provides the aggregation used for this purpose. This Annex was established mainly through statistical analysis and direct comparisons between IHS Markit Maritime & Trade ship types and PSC ship types. It cannot be directly compared to Annex I as the intention is not to create categories of ships but instead to attribute a PSC ship type to ships that were not inspected.

FLAG STATES

Flag States (under which ships are registered) are grouped in two categories, "*targeted*" and "*non-targeted*".

Those in the "*targeted*" group are the flag States which appear on at least one of the targeted lists of the Paris Memorandum of Understanding (Paris MoU) [Blacklist], the Tokyo MoU [Blacklist] and the US Coast Guard (USCG) [safety targeting].

Indian Ocean MoU (IOMOU), Viña del Mar Agreement, Mediterranean MoU (Med MoU), Black Sea MoU, Abuja MoU and Caribbean MoU also provide their inspection results to Equasis, but they do not use a target list.

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

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

Further details are included in the list of the respective regimes' PSC Annual Reports. The list of targeted flag States, based on the 2021 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guard, can be found in Annex II.

Due to some technical issues related to the format of the inspection reports, Equasis cannot display inspections from Riyadh MoU. Equasis will continue to await further information and to follow closely any developments decided by the Riyadh Secretariat so that the inspections can be included thereon in this report.

SOURCE OF INFORMATION

Equasis is fed by over 53 data providers (60 different data provisions) which can be divided into six categories:

1. Core ship and company data,
2. PSC regimes,
3. Classification Societies,
4. P&I Clubs and Insurance companies,
5. Intergovernmental Organisations, Federations and National/EU Agencies; and
6. Private companies and Associations from the Maritime Industry.

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

Chapter 2

2. The Merchant Fleet Population

INTRODUCTION

The tables in this chapter provide a picture of the fleet of ships in Equasis in terms of type, size, age and the flag under which the ship is registered.

RESULTS

Graph 1 shows that by number, the Equasis fleet is dominated by small and medium sized ships up to 24.999 GT (83.3%). Small ships alone represent 46% by number, although around only 1% by tonnage (Graph 2).

The five most common ship types by number are (Table 1):

1. Fishing vessels (21.8%),
 2. Tugs (16.6%),
 3. General cargo ships (13.6%),
 4. Oil and chemical tankers (12.0%); and
 5. Bulk carriers (10.8%),
- representing practically three quarters of the Equasis fleet. Most of these are small and medium sized ships.

Table 1 and 2 shows that within the large and very large categories, bulk carriers (44.1%), oil and chemical tankers (25%) and container ships (16.1%) represent approximately 85% of the fleet in number in these ship size categories. These figures show no significant changes from 2020 World Fleet report.

In terms of tonnage, the large and very large size categories represent 83% of the Equasis fleet (Graph 2), with oil and chemical tankers, bulk carriers, and container ships jointly dominating both categories at 87.7% (large) and 80.5% (very large).

Table 3 shows an almost even distribution of the Equasis fleet, by number, of ships under and over 15 years of age. However, there is a large dominance of older ships in the small (70.8%) size category. There is a more even spread between ships over (58%) and under (42%) 15 years of age in the medium size category. The trend is reversed in the large and very large ship

size categories, where 69.8% (large) and 74.7% (very large) are less than 15 years old.

Graph 4 shows that the fleet with an age between 5 and 14 years are made up of the biggest ships in tonnage. Looking back at the statistics of the previous years, it is clear that the ships in this age interval are bigger than their predecessors. This trend has been observed in previous years. .

Graph 13 shows that 18% of the total number of ships in Equasis are associated with a targeted flag State, a significant decrease with respect to 2020 where the proportion was 30%. Graphs 17 and 19 show, respectively, that this proportion is higher for large ships (21%) and very large ships (16%). Tables 13 and 14 both show that for the targeted flag States, bulk carriers are the most common ship category in number (27.1%) and tonnage (43.9%). This is expected considering that oil and chemical tankers and bulk carriers are the most common ship types with respect to the total number of ships and tonnage (19.8% and 34.7%, for bulk carriers and 19.4% and 25.6% for Oil and Chemical tankers). Even though, in number of ships general cargo, bulk carriers and oil and chemical tankers are similar (19%, 19.8%, 19.4%, respectively), bulk carriers are more common in targeted flags (26.2%, 27.1%, 14.3%%, respectively). General cargo ships (17.5%), container ships (8.6%) bulk carriers (18.2%) and Oil and chemical tankers (20.5%), have a larger proportion of the total number of ships originating from non-targeted flag States when compared to targeted flag States

Ship sightings (under "2.4 – Ship Sightings by Geographical Area") are provided to Equasis by AXSMarine, VesselTracker and MarineTraffic.

The figures presented in Graph 21 of this section are strongly dependent on the coastal and satellite coverage of AIS data

guaranteed by the abovementioned data-providers.

Table 21 suggests that the majority of maritime traffic occurs in East Asia (16%), South East Asia (12.8) with both geographical areas accounting for 28.8% of the total sightings reported to Equasis and 9.7% the Mediterranean Sea. In respect to ship size, small sized ships were predominately sighted in the East Asia (16.5) and the Mediterranean Sea (13.1%) while very large ships in East Asia (14.7%) and South East Asia (13.6%).

2.1. WHOLE FLEET

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	4,089	7.4%	11,814	27.0%	264	2.1%			16,167	13.6%
Specialized Cargo Ships	8	0.0%	266	0.6%	64	0.5%	7	0.1%	345	0.3%
Container Ships	19	0.0%	2,315	5.3%	1,629	12.7%	1,554	22.2%	5,517	4.6%
Ro-Ro Cargo Ships	39	0.1%	601	1.4%	549	4.3%	268	3.8%	1,457	1.2%
Bulk Carriers	286	0.5%	3,847	8.8%	6,842	53.5%	1,899	27.1%	12,874	10.8%
Oil and Chemical Tankers	1,979	3.6%	7,372	16.9%	2,773	21.7%	2,185	31.2%	14,309	12.0%
Gas Tankers	36	0.1%	1,145	2.6%	433	3.4%	591	8.4%	2,205	1.9%
Other Tankers	437	0.8%	741	1.7%	16	0.1%			1,194	1.0%
Passenger Ships	3,435	6.2%	825	1.9%	71	0.6%	187	2.7%	4,518	3.8%
Offshore Vessels	2,812	5.1%	5,135	11.7%	119	0.9%	298	4.3%	8,364	7.0%
Service Ships	3,197	5.8%	2,994	6.8%	35	0.3%	7	0.1%	6,233	5.2%
Tugs	18,860	34.1%	933	2.1%					19,793	16.6%
Fishing Vessels	20,186	36.4%	5,762	13.2%	4	0.0%			25,952	21.8%
Total	55,383	100%	43,750	100%	12,799	100%	6,996	100%	118,928	100%

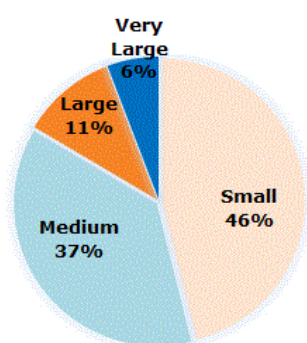
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

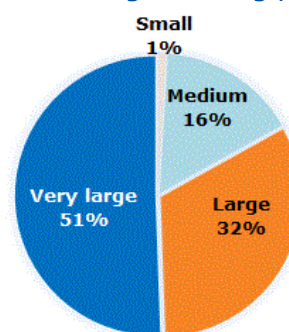
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,429	10.4%	52,877	22.4%	8,897	1.8%			63,203	4.3%
Specialized Cargo Ships	3	0.0%	2,119	0.9%	2,519	0.5%	510	0.1%	5,151	0.3%
Container Ships	8	0.1%	27,671	11.7%	60,771	12.6%	177,442	23.7%	265,892	18.0%
Ro-Ro Cargo Ships	12	0.1%	6,089	2.6%	26,117	5.4%	18,042	2.4%	50,260	3.4%
Bulk Carriers	116	0.8%	56,626	24.0%	256,861	53.3%	195,576	26.1%	509,179	34.4%
Oil and Chemical Tankers	637	4.6%	45,008	19.0%	97,244	20.2%	232,331	31.1%	375,220	25.4%
Gas Tankers	14	0.1%	7,265	3.1%	18,905	3.9%	66,514	8.9%	92,698	6.3%
Other Tankers	131	1.0%	2,110	0.9%	465	0.1%			2,706	0.2%
Passenger Ships	851	6.2%	2,688	1.1%	2,877	0.6%	21,395	2.9%	27,811	1.9%
Offshore Vessels	789	5.7%	15,469	6.5%	5,456	1.1%	35,458	4.7%	57,172	3.9%
Service Ships	774	5.6%	9,683	4.1%	1,255	0.3%	952	0.1%	12,664	0.9%
Tugs	4,583	33.3%	812	0.3%					5,395	0.4%
Fishing Vessels	4,398	32.0%	7,892	3.3%	142	0.0%			12,432	0.8%
Total	13,745	100%	236,309	100%	481,509	100%	748,220	100%	1,479,783	100%

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

Graph 1 - World fleet : total number of ships, by size



Graph 2 - World fleet : gross tonnage, by size



2.2. SHIPS BY AGE

WORLD FLEET

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

Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	3,737	6.7%	3,838	8.8%	1,822	14.2%	1,379	19.7%	10,776	9.1%
5-14 years old	11,919	21.5%	14,510	33.2%	6,937	54.2%	3,853	55.1%	37,219	31.3%
15-24 years old	8,784	15.9%	8,618	19.7%	3,427	26.8%	1,583	22.6%	22,412	18.8%
+25 years old	30,943	55.9%	16,784	38.4%	613	4.8%	181	2.6%	48,521	40.8%
Total	55,383	100%	43,750	100%	12,799	100%	6,996	100%	118,928	100%

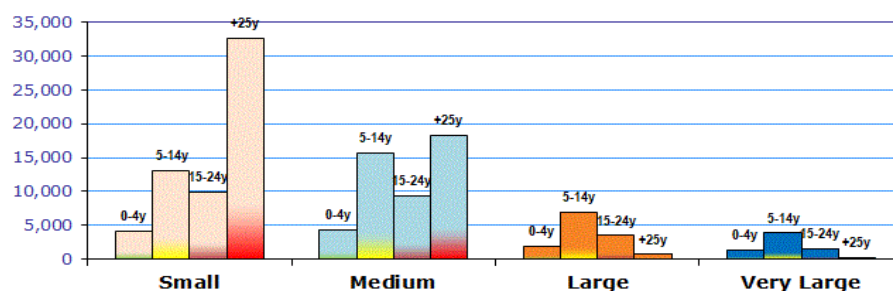
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

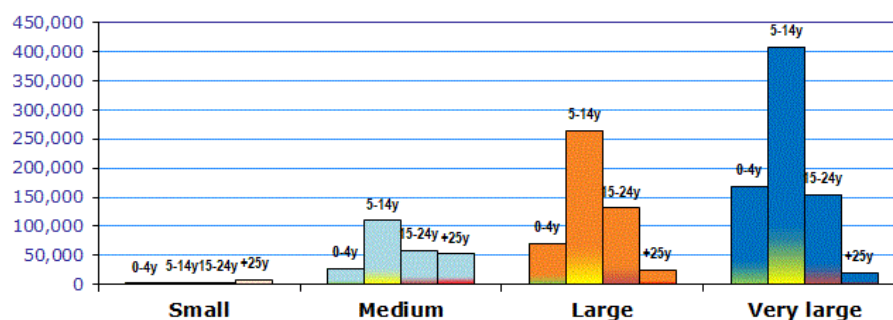
Ship age category	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
0-4 years old	1,082	7.9%	25,948	11.0%	68,085	14.1%	167,557	22.4%	262,672	17.8%
5-14 years old	3,248	23.6%	106,543	45.1%	262,765	54.6%	407,717	54.5%	780,273	52.7%
15-24 years old	2,199	16.0%	56,199	23.8%	128,075	26.6%	153,130	20.5%	339,603	22.9%
+25 years old	7,213	52.5%	47,618	20.2%	22,584	4.7%	19,817	2.6%	97,232	6.6%
Total	13,742	100%	236,308	100%	481,509	100%	748,221	100%	1,479,780	100%

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

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



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



0-4 years old SHIPS

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

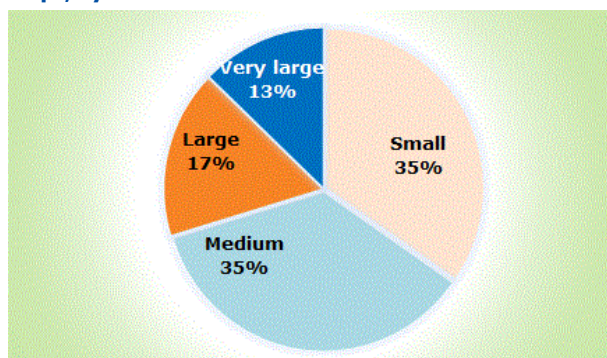
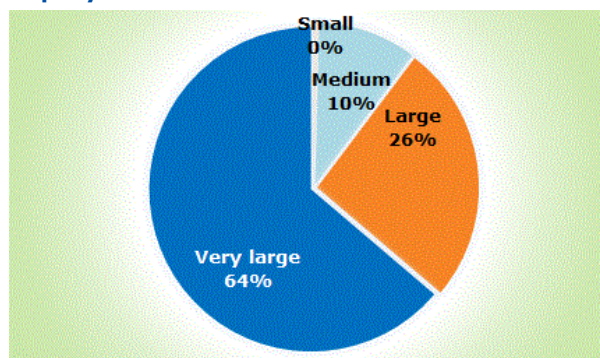
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	190	5.1%	606	15.8%	37	2.0%			833	7.7%
Specialized Cargo Ships			30	0.8%	9	0.5%	3	0.2%	42	0.4%
Container Ships	1	0.0%	295	7.7%	174	9.5%	223	16.2%	693	6.4%
Ro-Ro Cargo Ships	1	0.0%	40	1.0%	20	1.1%	44	3.2%	105	1.0%
Bulk Carriers	7	0.2%	404	10.5%	1,078	59.2%	346	25.1%	1,835	17.0%
Oil and Chemical Tankers	156	4.2%	784	20.4%	380	20.9%	512	37.1%	1,832	17.0%
Gas Tankers	2	0.1%	117	3.0%	100	5.5%	187	13.6%	406	3.8%
Other Tankers	23	0.6%	69	1.8%	3	0.2%			95	0.9%
Passenger Ships	284	7.6%	101	2.6%	12	0.7%	33	2.4%	430	4.0%
Offshore Vessels	220	5.9%	319	8.3%	1	0.1%	31	2.2%	571	5.3%
Service Ships	326	8.7%	242	6.3%	7	0.4%			575	5.3%
Tugs	1,778	47.6%	76	2.0%					1,854	17.2%
Fishing Vessels	749	20.0%	755	19.7%	1				1,505	14.0%
Total	3,737	100%	3,838	100%	1,822	100%	1,379	100%	10,776	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	79	7.3%	3,485	13.4%	1,390	2.0%			4,954	1.9%
Specialized Cargo Ships			201	0.8%	374	0.5%	206	0.1%	781	0.3%
Container Ships			4,218	16.3%	5,439	8.0%	37,296	22.3%	46,953	17.9%
Ro-Ro Cargo Ships			462	1.8%	822	1.2%	2,988	1.8%	4,272	1.6%
Bulk Carriers	2	0.2%	6,256	24.1%	42,736	62.8%	42,539	25.4%	91,533	34.8%
Oil and Chemical Tankers	59	5.5%	5,863	22.6%	12,010	17.6%	53,597	32.0%	71,529	27.2%
Gas Tankers	1	0.1%	767	3.0%	4,394	6.5%	21,875	13.1%	27,037	10.3%
Other Tankers	9	0.8%	244	0.9%	78	0.1%			331	0.1%
Passenger Ships	90	8.3%	471	1.8%	549	0.8%	5,117	3.1%	6,227	2.4%
Offshore Vessels	61	5.6%	1,511	5.8%	29	0.0%	3,939	2.4%	5,540	2.1%
Service Ships	81	7.5%	1,119	4.3%	236	0.3%			1,436	0.5%
Tugs	497	45.9%	77	0.3%					574	0.2%
Fishing Vessels	203	18.8%	1,274	4.9%	28				1,505	0.6%
Total	1,082	100%	25,948	100%	68,085	100%	167,557	100%	262,672	100%

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

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

5-14 YEARS OLD SHIPS

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	556	4.7%	3,145	21.7%	139	2.0%			3,840	10.3%
Specialized Cargo Ships			92	0.6%	18	0.3%	4	0.1%	114	0.3%
Container Ships	14	0.1%	720	5.0%	696	10.0%	882	22.9%	2,312	6.2%
Ro-Ro Cargo Ships	5	0.0%	100	0.7%	286	4.1%	163	4.2%	554	1.5%
Bulk Carriers	30	0.3%	2,088	14.4%	4,137	59.6%	1,277	33.1%	7,532	20.2%
Oil and Chemical Tankers	358	3.0%	2,643	18.2%	1,343	19.4%	1,133	29.4%	5,477	14.7%
Gas Tankers	2	0.0%	452	3.1%	227	3.3%	240	6.2%	921	2.5%
Other Tankers	86	0.7%	306	2.1%	8	0.1%			400	1.1%
Passenger Ships	509	4.3%	113	0.8%	13	0.2%	63	1.6%	698	1.9%
Offshore Vessels	889	7.5%	2,709	18.7%	57	0.8%	90	2.3%	3,745	10.1%
Service Ships	749	6.3%	837	5.8%	13	0.2%	1	0.0%	1,600	4.3%
Tugs	6,607	55.4%	283	2.0%					6,890	18.5%
Fishing Vessels	2,114	17.7%	1,022	7.0%					3,136	8.4%
Total	11,919	100%	14,510	100%	6,937	100%	3,853	100%	37,219	100%

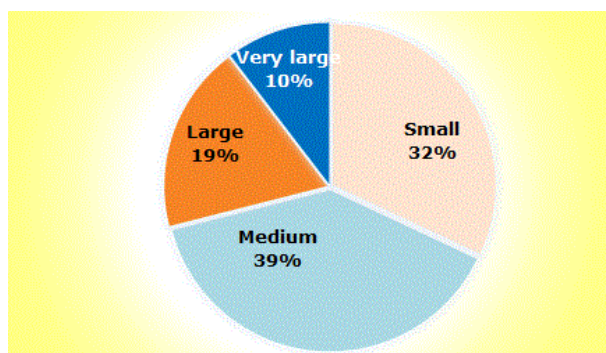
Source: Equasis ⁽¹⁾GT<500 - ⁽²⁾500≤GT<25.000 - ⁽³⁾25.000≤GT<60.000 - ⁽⁴⁾GT≥60.000

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

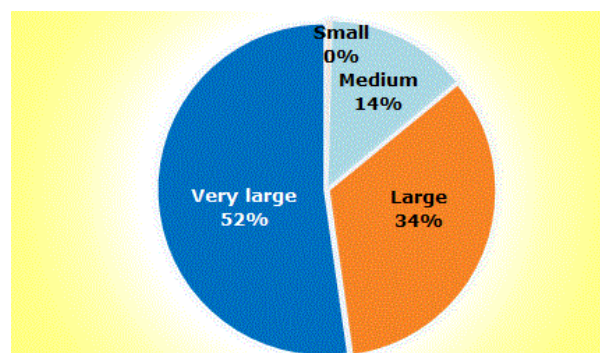
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	239	7.4%	21,196	19.9%	4,707	1.8%			26,142	3.4%
Specialized Cargo Ships			1,078	1.0%	718	0.3%	304	0.1%	2,100	0.3%
Container Ships	5	0.2%	9,019	8.5%	27,506	10.5%	103,373	25.4%	139,903	17.9%
Ro-Ro Cargo Ships	1	0.0%	1,213	1.1%	13,489	5.1%	11,115	2.7%	25,818	3.3%
Bulk Carriers	13	0.4%	35,319	33.1%	156,594	59.6%	127,707	31.3%	319,633	41.0%
Oil and Chemical Tankers	130	4.0%	18,889	17.7%	46,018	17.5%	119,926	29.4%	184,963	23.7%
Gas Tankers	1	0.0%	3,750	3.5%	9,949	3.8%	27,812	6.8%	41,512	5.3%
Other Tankers	28	0.9%	1,199	1.1%	232	0.1%			1,459	0.2%
Passenger Ships	145	4.5%	247	0.2%	534	0.2%	7,950	1.9%	8,876	1.1%
Offshore Vessels	261	8.0%	9,500	8.9%	2,550	1.0%	9,127	2.2%	21,438	2.7%
Service Ships	184	5.7%	3,400	3.2%	468	0.2%	403	0.1%	4,455	0.6%
Tugs	1,685	51.9%	253	0.2%					1,938	0.2%
Fishing Vessels	556	17.1%	1,480	1.4%					2,036	0.3%
Total	3,248	100%	106,543	100%	262,765	100%	407,717	100%	780,273	100%

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

Graph 7 - Total number of 5-14 years old ships by size



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



15-24 YEARS OLD SHIPS

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	554	6.3%	2,428	28.2%	52	1.5%			3,034	13.5%
Specialized Cargo Ships	1	0.0%	21	0.2%	10	0.3%			32	0.1%
Container Ships	3	0.0%	905	10.5%	677	19.8%	436	27.5%	2,021	9.0%
Ro-Ro Cargo Ships	6	0.1%	164	1.9%	218	6.4%	58	3.7%	446	2.0%
Bulk Carriers	16	0.2%	642	7.4%	1,350	39.4%	274	17.3%	2,282	10.2%
Oil and Chemical Tankers	221	2.5%	1,756	20.4%	1,002	29.2%	526	33.2%	3,505	15.6%
Gas Tankers	4	0.0%	260	3.0%	70	2.0%	133	8.4%	467	2.1%
Other Tankers	36	0.4%	75	0.9%	4	0.1%			115	0.5%
Passenger Ships	587	6.7%	157	1.8%	21	0.6%	76	4.8%	841	3.8%
Offshore Vessels	454	5.2%	950	11.0%	19	0.6%	77	4.9%	1,500	6.7%
Service Ships	504	5.7%	440	5.1%	4	0.1%	3	0.2%	951	4.2%
Tugs	3,433	39.1%	120	1.4%					3,553	15.9%
Fishing Vessels	2,965	33.8%	700	8.1%					3,665	16.4%
Total	8,784	100%	8,618	100%	3,427	100%	1,583	100%	22,412	100%

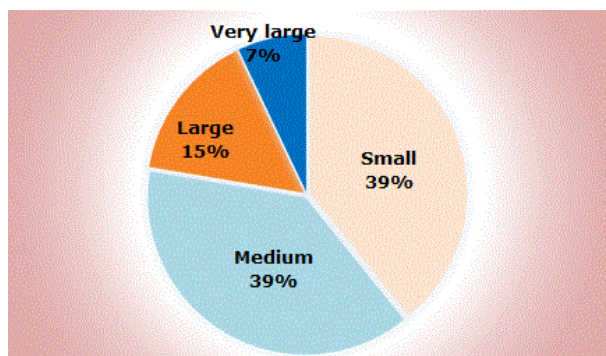
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

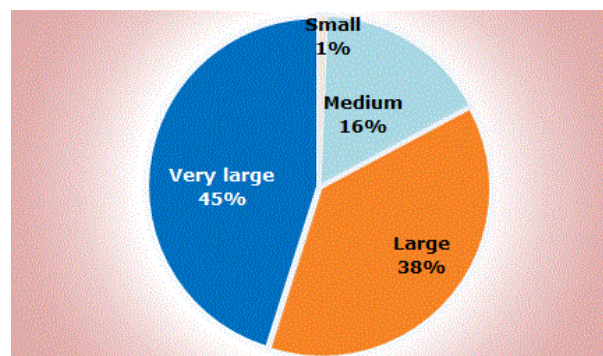
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	229	10.4%	12,663	22.5%	1,638	1.3%			14,530	4.3%
Specialized Cargo Ships			206	0.4%	407	0.3%			613	0.2%
Container Ships	1	0.0%	10,667	19.0%	24,821	19.4%	35,808	23.4%	71,297	21.0%
Ro-Ro Cargo Ships	2	0.1%	2,198	3.9%	10,614	8.3%	3,733	2.4%	16,547	4.9%
Bulk Carriers	6	0.3%	8,485	15.1%	48,356	37.8%	25,120	16.4%	81,967	24.1%
Oil and Chemical Tankers	71	3.2%	14,533	25.9%	37,410	29.2%	57,326	37.4%	109,340	32.2%
Gas Tankers	2	0.1%	1,658	3.0%	3,003	2.3%	13,652	8.9%	18,315	5.4%
Other Tankers	10	0.5%	263	0.5%	126	0.1%			399	0.1%
Passenger Ships	140	6.4%	445	0.8%	727	0.6%	7,195	4.7%	8,507	2.5%
Offshore Vessels	154	7.0%	2,430	4.3%	827	0.6%	10,030	6.5%	13,441	4.0%
Service Ships	112	5.1%	1,660	3.0%	146	0.1%	266	0.2%	2,184	0.6%
Tugs	849	38.6%	103	0.2%					952	0.3%
Fishing Vessels	623	28.3%	888	1.6%					1,511	0.4%
Total	2,199	100%	56,199	100%	128,075	100%	153,130	100%	339,603	100%

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

Graph 9 - Total number of 15-24 years old ships by size



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



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

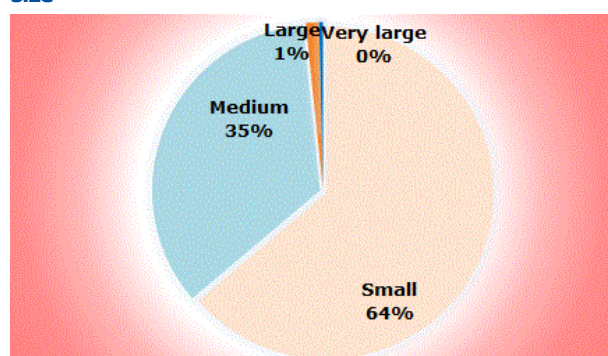
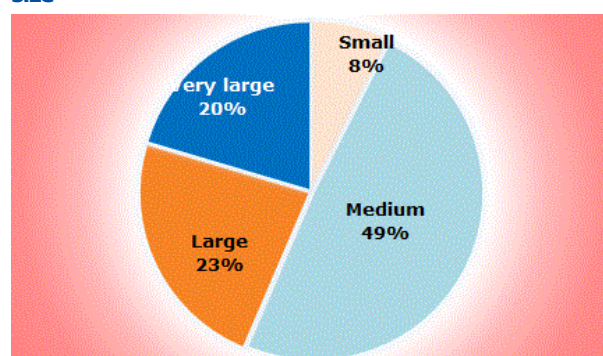
Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	2,789	9.0%	5,635	33.6%	36	5.9%			8,460	17.4%
Specialized Cargo Ships	7	0.0%	123	0.7%	27	4.4%			157	0.3%
Container Ships	1	0.0%	395	2.4%	82	13.4%	13	7.2%	491	1.0%
Ro-Ro Cargo Ships	27	0.1%	297	1.8%	25	4.1%	3	1.7%	352	0.7%
Bulk Carriers	233	0.8%	713	4.2%	277	45.2%	2	1.1%	1,225	2.5%
Oil and Chemical Tankers	1,244	4.0%	2,189	13.0%	48	7.8%	14	7.7%	3,495	7.2%
Gas Tankers	28	0.1%	316	1.9%	36	5.9%	31	17.1%	411	0.8%
Other Tankers	292	0.9%	291	1.7%	1	0.2%			584	1.2%
Passenger Ships	2,055	6.6%	454	2.7%	25	4.1%	15	8.3%	2,549	5.3%
Offshore Vessels	1,249	4.0%	1,157	6.9%	42	6.9%	100	55.2%	2,548	5.3%
Service Ships	1,618	5.2%	1,475	8.8%	11	1.8%	3	1.7%	3,107	6.4%
Tugs	7,042	22.8%	454	2.7%					7,496	15.4%
Fishing Vessels	14,358	46.4%	3,285	19.6%	3	0.5%			17,646	36.4%
Total	30,943	100%	16,784	100%	613	100%	181	100%	48,521	100%

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

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

Ship Type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	882	12.2%	15,534	32.6%	1,162	5.1%			17,578	18.1%
Specialized Cargo Ships	2	0.0%	634	1.3%	1,019	4.5%			1,655	1.7%
Container Ships			3,767	7.9%	3,006	13.3%	965	4.9%	7,738	8.0%
Ro-Ro Cargo Ships	8	0.1%	2,216	4.7%	1,192	5.3%	207	1.0%	3,623	3.7%
Bulk Carriers	94	1.3%	6,566	13.8%	9,175	40.6%	210	1.1%	16,045	16.5%
Oil and Chemical Tankers	377	5.2%	5,724	12.0%	1,805	8.0%	1,482	7.5%	9,388	9.7%
Gas Tankers	10	0.1%	1,090	2.3%	1,560	6.9%	3,175	16.0%	5,835	6.0%
Other Tankers	84	1.2%	403	0.8%	29	0.1%			516	0.5%
Passenger Ships	476	6.6%	1,525	3.2%	1,067	4.7%	1,133	5.7%	4,201	4.3%
Offshore Vessels	313	4.3%	2,028	4.3%	2,051	9.1%	12,363	62.4%	16,755	17.2%
Service Ships	397	5.5%	3,504	7.4%	405	1.8%	282	1.4%	4,588	4.7%
Tugs	1,553	21.5%	378	0.8%					1,931	2.0%
Fishing Vessels	3,017	41.8%	4,249	8.9%	113	0.5%			7,379	7.6%
Total	7,213	100%	47,618	100%	22,584	100%	19,817	100%	97,232	100%

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

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

2.3. SHIPS BY FLAG

WHOLE FLEET GT≥500

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	2,962	26.2%	9,116	17.5%	12,078	19.0%
Specialized Cargo Ships	98	0.9%	239	0.5%	337	0.5%
Container Ships	1,016	9.0%	4,482	8.6%	5,498	8.7%
Ro-Ro Cargo Ships	351	3.1%	1,067	2.0%	1,418	2.2%
Bulk Carriers	3,073	27.1%	9,515	18.2%	12,588	19.8%
Oil and Chemical Tankers	1,616	14.3%	10,714	20.5%	12,330	19.4%
Gas Tankers	360	3.2%	1,809	3.5%	2,169	3.4%
Other Tankers	114	1.0%	643	1.2%	757	1.2%
Passenger Ships	109	1.0%	974	1.9%	1,083	1.7%
Offshore Vessels	1,015	9.0%	4,537	8.7%	5,552	8.7%
Service Ships	273	2.4%	2,763	5.3%	3,036	4.8%
Tugs	97	0.9%	836	1.6%	933	1.5%
Fishing Vessels	240	2.1%	5,526	10.6%	5,766	9.1%
Total	11,324	100%	52,221	100%	63,545	100%

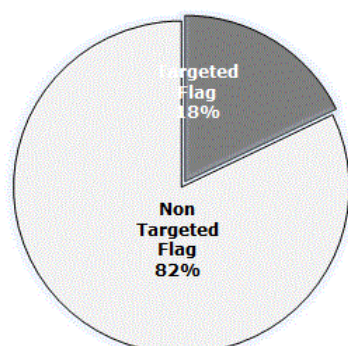
Source: Equasis

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

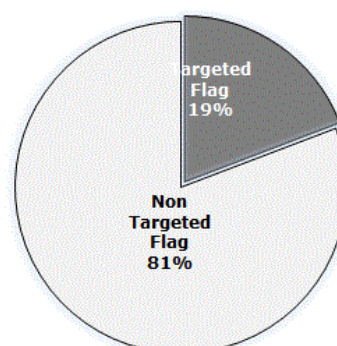
Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	17,715	6.3%	44,059	3.7%	61,774	4.2%
Specialized Cargo Ships	844	0.3%	4,304	0.4%	5,148	0.4%
Container Ships	45,530	16.2%	220,354	18.6%	265,884	18.1%
Ro-Ro Cargo Ships	12,979	4.6%	37,269	3.1%	50,248	3.4%
Bulk Carriers	123,680	43.9%	385,383	32.5%	509,063	34.7%
Oil and Chemical Tankers	54,389	19.3%	320,193	27.0%	374,582	25.6%
Gas Tankers	12,777	4.5%	79,906	6.7%	92,683	6.3%
Other Tankers	370	0.1%	2,205	0.2%	2,575	0.2%
Passenger Ships	3,275	1.2%	23,684	2.0%	26,959	1.8%
Offshore Vessels	8,285	2.9%	48,099	4.1%	56,384	3.8%
Service Ships	1,308	0.5%	10,582	0.9%	11,890	0.8%
Tugs	82	0.0%	730	0.1%	812	0.1%
Fishing Vessels	358	0.1%	7,675	0.6%	8,033	0.5%
Total	281,592	100%	1,184,443	100%	1,466,035	100%

Source: Equasis

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



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



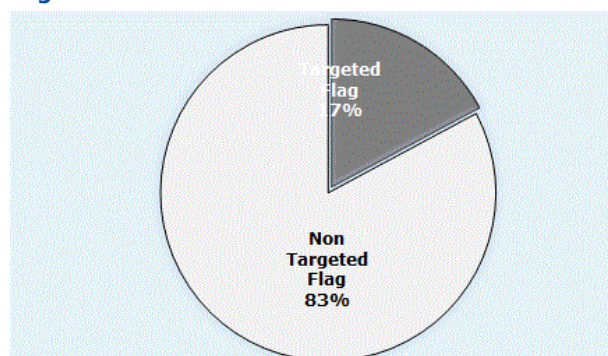
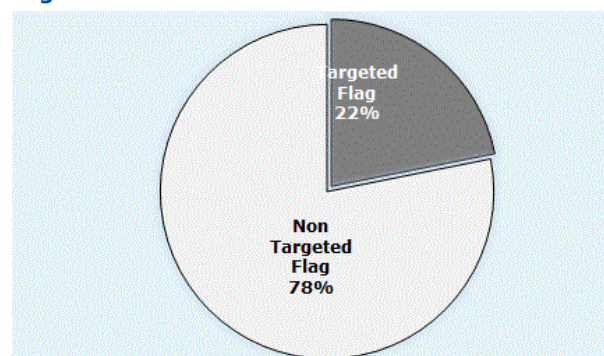
MEDIUM SIZED SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	2,920	38.8%	8,894	24.5%	11,814	31.1%
Specialized Cargo Ships	90	1.2%	176	0.5%	266	0.7%
Container Ships	530	7.0%	1,785	4.9%	2,315	6.1%
Ro-Ro Cargo Ships	133	1.8%	468	1.3%	601	1.6%
Bulk Carriers	933	12.4%	2,914	8.0%	3,847	10.1%
Oil and Chemical Tankers	991	13.2%	6,381	17.6%	7,372	19.4%
Gas Tankers	185	2.5%	960	2.6%	1,145	3.0%
Other Tankers	112	1.5%	629	1.7%	741	2.0%
Passenger Ships	76	1.0%	749	2.1%	825	2.2%
Offshore Vessels	951	12.6%	4,184	11.5%	5,135	13.5%
Service Ships	263	3.5%	2,731	7.5%	2,994	7.9%
Tugs	97	1.3%	836	2.3%	933	2.5%
Fishing Vessels	240	3.2%	5,522	15.2%		
Total	7,521	100%	36,229	100%	37,988	100%

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	16,288	31.5%	36,589	19.8%	52,877	23.1%
Specialized Cargo Ships	538	1.0%	1,581	0.9%	2,119	0.9%
Container Ships	6,381	12.3%	21,291	11.5%	27,672	12.1%
Ro-Ro Cargo Ships	1,190	2.3%	4,899	2.7%	6,089	2.7%
Bulk Carriers	14,814	28.7%	41,811	22.6%	56,625	24.8%
Oil and Chemical Tankers	6,758	13.1%	38,250	20.7%	45,008	19.7%
Gas Tankers	1,327	2.6%	5,938	3.2%	7,265	3.2%
Other Tankers	312	0.6%	1,797	1.0%	2,109	0.9%
Passenger Ships	222	0.4%	2,466	1.3%	2,688	1.2%
Offshore Vessels	2,497	4.8%	12,972	7.0%	15,469	6.8%
Service Ships	914	1.8%	8,769	4.7%	9,683	4.2%
Tugs	82	0.2%	730	0.4%	812	0.4%
Fishing Vessels	358	0.7%	7,533	4.1%		
Total	51,681	100%	184,626	100%	228,416	100%

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

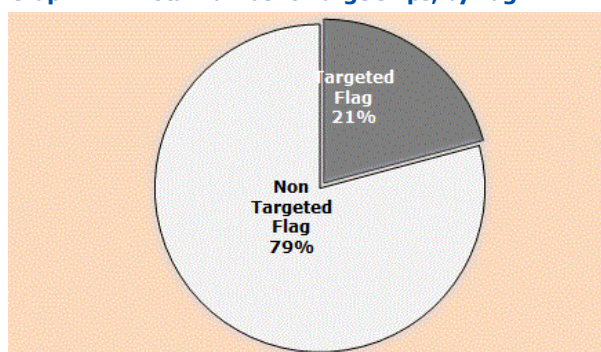
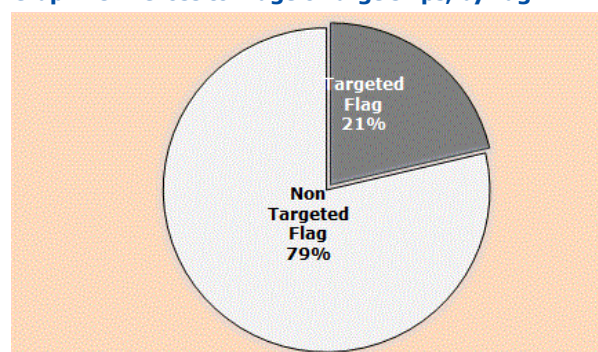
LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	42	1.6%	222	2.2%	264	2.1%
Specialized Cargo Ships	8	0.3%	56	0.6%	64	0.5%
Container Ships	256	9.6%	1,373	13.5%	1,629	12.7%
Ro-Ro Cargo Ships	156	5.9%	393	3.9%	549	4.3%
Bulk Carriers	1,692	63.5%	5,150	50.8%	6,842	53.5%
Oil and Chemical Tankers	350	13.1%	2,423	23.9%	2,773	21.7%
Gas Tankers	121	4.5%	312	3.1%	433	3.4%
Other Tankers	2	0.1%	14	0.1%	16	0.1%
Passenger Ships	6	0.2%	65	0.6%	71	0.6%
Offshore Vessels	21	0.8%	98	1.0%	119	0.9%
Service Ships	9	0.3%	26	0.3%	35	0.3%
Tugs						
Fishing Vessels			4	0.0%		
Total	2,663	100%	10,136	100%	12,795	100%

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,427	1.4%	7,470	2.0%	8,897	1.8%
Specialized Cargo Ships	306	0.3%	2,212	0.6%	2,518	0.5%
Container Ships	9,370	9.1%	51,401	13.6%	60,771	12.6%
Ro-Ro Cargo Ships	7,735	7.5%	18,382	4.9%	26,117	5.4%
Bulk Carriers	64,329	62.7%	192,532	50.8%	256,861	53.4%
Oil and Chemical Tankers	12,691	12.4%	84,553	22.3%	97,244	20.2%
Gas Tankers	5,270	5.1%	13,636	3.6%	18,906	3.9%
Other Tankers	57	0.1%	408	0.1%	465	0.1%
Passenger Ships	238	0.2%	2,639	0.7%	2,877	0.6%
Offshore Vessels	921	0.9%	4,536	1.2%	5,457	1.1%
Service Ships	334	0.3%	921	0.2%	1,255	0.3%
Tugs						
Fishing Vessels			142	0.0%		
Total	102,678	100%	378,832	100%	481,368	100%

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

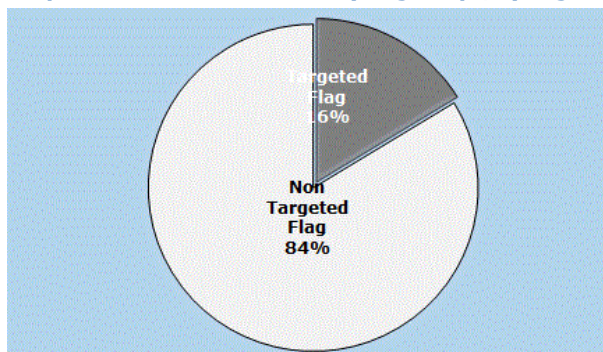
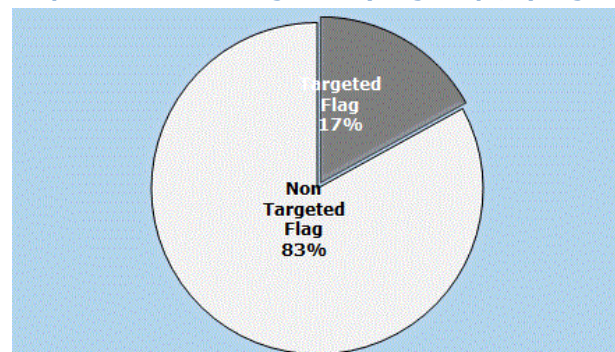
VERY LARGE SHIPS

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			7	0.1%	7	0.1%
Container Ships	230	20.2%	1,324	22.6%	1,554	22.2%
Ro-Ro Cargo Ships	62	5.4%	206	3.5%	268	3.8%
Bulk Carriers	448	39.3%	1,451	24.8%	1,899	27.1%
Oil and Chemical Tankers	275	24.1%	1,910	32.6%	2,185	31.2%
Gas Tankers	54	4.7%	537	9.2%	591	8.4%
Other Tankers						
Passenger Ships	27	2.4%	160	2.7%	187	2.7%
Offshore Vessels	43	3.8%	255	4.4%	298	4.3%
Service Ships	1	0.1%	6	0.1%	7	0.1%
Tugs						
Fishing Vessels						
Total	1,140	100%	5,856	100%	6,996	100%

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

Ship Type	Targeted Flag		Non Targeted Flag		Total	
General Cargo Ships						
Specialized Cargo Ships			510	0.1%	510	0.1%
Container Ships	29,779	23.4%	147,662	23.8%	177,441	23.7%
Ro-Ro Cargo Ships	4,054	3.2%	13,988	2.3%	18,042	2.4%
Bulk Carriers	44,537	35.0%	151,040	24.3%	195,577	26.1%
Oil and Chemical Tankers	34,941	27.5%	197,390	31.8%	232,331	31.1%
Gas Tankers	6,181	4.9%	60,333	9.7%	66,514	8.9%
Other Tankers						
Passenger Ships	2,816	2.2%	18,579	3.0%	21,395	2.9%
Offshore Vessels	4,867	3.8%	30,591	4.9%	35,458	4.7%
Service Ships	61	0.0%	891	0.1%	952	0.1%
Tugs						
Fishing Vessels						
Total	127,236	100%	620,984	100%	748,220	100%

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

2.4. SHIP SIGHTINGS BY GEOGRAPHICAL AREA

Table 21 - Ship Sightings: total distinct number of ships sighted by area and by size – 2021

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	510	2.0%	1,532	1.9%	3,224	4.5%	2,047	5.1%	7,313	3.3%
East Africa	178	0.7%	1,409	1.7%	4,292	6.0%	2,641	6.6%	8,520	3.9%
East Asia	4,200	16.5%	14,965	18.3%	9,872	13.8%	5,859	14.7%	34,896	16.0%
Mediterranean Sea	3,338	13.1%	9,509	11.6%	5,266	7.4%	3,088	7.7%	21,201	9.7%
Middle America and Gulf of Mexico	1,968	7.7%	4,522	5.5%	4,738	6.6%	2,278	5.7%	13,506	6.2%
New Guinea Pacific	254	1.0%	1,105	1.4%	1,074	1.5%	431	1.1%	2,864	1.3%
North America East Coast	1,203	4.7%	2,299	2.8%	2,492	3.5%	1,361	3.4%	7,355	3.4%
North America West Coast	1,051	4.1%	1,733	2.1%	3,791	5.3%	1,563	3.9%	8,138	3.7%
North Asia	86	0.3%	569	0.7%	286	0.4%	116	0.3%	1,057	0.5%
North Europe	1,928	7.6%	6,785	8.3%	1,995	2.8%	857	2.2%	11,565	5.3%
South America East Coast	638	2.5%	2,861	3.5%	3,976	5.6%	1,720	4.3%	9,195	4.2%
South America West Coast	332	1.3%	1,345	1.6%	1,528	2.1%	556	1.4%	3,761	1.7%
South Asia	2,120	8.3%	6,589	8.1%	6,757	9.4%	3,999	10.0%	19,465	8.9%
South East Asia	2,823	11.1%	11,028	13.5%	8,801	12.3%	5,403	13.6%	28,055	12.8%
South Africa	319	1.3%	1,712	2.1%	4,696	6.6%	2,894	7.3%	9,621	4.4%
West Africa	1,231	4.8%	4,995	6.1%	3,902	5.5%	2,226	5.6%	12,354	5.7%
West Europe	3,221	12.7%	8,784	10.7%	4,836	6.8%	2,814	7.1%	19,655	9.0%
Total	25,400	100%	81,742	100%	71,526	100%	39,853	100%	218,521	100%

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

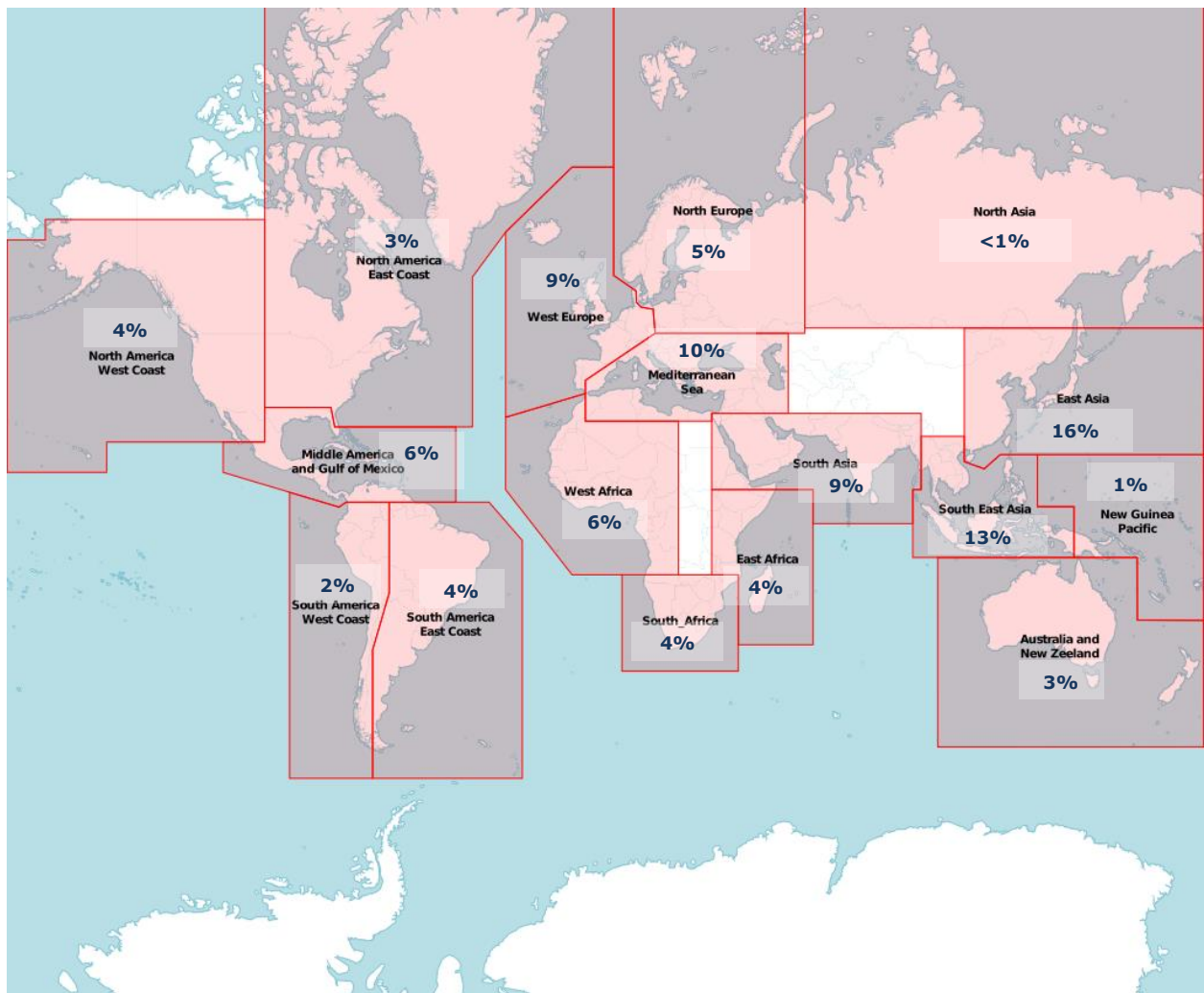
Table 22 - Ship Sightings: Gross tonnage (in 1000 gt) of distinct ships sighted by area and by size – 2021

Geographical Area	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very Large ⁽⁴⁾		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
Australia and New Zealand	165	2.2%	21,862	2.8%	131,532	4.8%	192,419	4.6%	345,978	4.5%
East Africa	60	0.8%	18,206	2.4%	167,866	6.1%	288,645	6.9%	474,777	6.2%
East Asia	1,292	17.2%	118,419	15.3%	377,300	13.8%	640,806	15.4%	1,137,817	14.8%
Mediterranean Sea	1,015	13.5%	80,581	10.4%	198,775	7.2%	311,441	7.5%	591,812	7.7%
Middle America and Gulf of Mexico	629	8.4%	49,607	6.4%	179,487	6.5%	222,635	5.3%	452,358	5.9%
New Guinea Pacific	76	1.0%	13,413	1.7%	43,285	1.6%	39,110	0.9%	95,884	1.2%
North America East Coast	313	4.2%	27,525	3.6%	94,936	3.5%	123,384	3.0%	246,158	3.2%
North America West Coast	262	3.5%	23,561	3.1%	148,941	5.4%	155,955	3.7%	328,719	4.3%
North Asia	29	0.4%	3,631	0.5%	11,638	0.4%	11,256	0.3%	26,554	0.3%
North Europe	510	6.8%	51,610	6.7%	73,853	2.7%	77,526	1.9%	203,499	2.6%
South America East Coast	198	2.6%	35,705	4.6%	151,306	5.5%	189,207	4.5%	376,416	4.9%
South America West Coast	109	1.4%	16,180	2.1%	55,532	2.0%	51,353	1.2%	123,174	1.6%
South Asia	710	9.4%	64,020	8.3%	257,293	9.4%	441,433	10.6%	763,456	9.9%
South East Asia	832	11.1%	94,871	12.3%	338,425	12.3%	596,188	14.3%	1,030,316	13.4%
South Africa	104	1.4%	22,115	2.9%	183,864	6.7%	315,699	7.6%	521,782	6.8%
West Africa	370	4.9%	52,056	6.7%	145,405	5.3%	228,989	5.5%	426,820	5.5%
West Europe	848	11.3%	78,933	10.2%	183,300	6.7%	282,834	6.8%	545,915	7.1%
Total	7,522	100%	772,295	100%	2,742,738	100%	4,168,880	100%	7,691,435	100%

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

Graph 21 - Ship Sightings: total distinct number of ships sighted by geographical area – 2021

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



Chapter 3

3. Classification Societies

INTRODUCTION

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

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

At the end of 2022, IACS consisted of 11 members societies:

- American Bureau of Shipping (ABS),
- Bureau Veritas (BV),
- China Classification Society (CCS),
- Croatian Register of Shipping (CRS),
- Det Norske Veritas (DNV),
- Indian Register of Shipping (IRS),
- Korean Register of Shipping (KR),
- Lloyd's Register of Shipping (LR),
- Nippon Kaiji Kyokai (ClassNK),
- Polish Register of Shipping (PRS), and
- Registro Italiano Navale (RINA).

In 2022, IACS Council withdrawn the Russian Maritime Register of Shipping's (RMRS) membership¹.

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

- Türk Loydu (TL),
- Dromon Bureau of Shipping (DR),
- Overseas Marine Certification Services (OMCS),
- Phoenix Register of Shipping (PHRS),
- Biro Klasifikasi Indonesia (BKI), and
- Emirates Classification Society (TASNEEF).

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

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

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

In Chapter 3.4 the detention rate of ships is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU, USCG, Viña del Mar Agreement, Mediterranean MoU, Caribbean MoU, Black Sea MoU and Abuja MoU. All detentions are taken into account, whether or not the deficiencies giving rise to the detention were indicated by PSC as being related to the activities of the Classification Society or Recognised Organisation.

Please also note that the figures in this

¹ IACS Council Withdraws Russian Register's Membership of IACS - IACS

chapter may be different from those in the Annual Report from IACS. This may be due to variation in gross tonnage reported in the Equasis database.

RESULTS

Graph 22 shows that the Equasis fleet over 500GT is dominated by ships classed by IACS members (55% by number and 78% by tonnage). It is important to note that there is a high percentage of the Equasis fleet with Non IACS/No record reported (28,904 ships). Considering that the IACS Annual Review includes a fleet of more than 55,000 ships classified under IACS compared to 34,641 ships reported to Equasis, it is likely that a majority of the ships reported to Equasis without the Class record, are actually classified by IACS too. This would mean that the above-mentioned percentage and the figures presented in the following paragraphs are highly underestimated although they reflect the data reported to Equasis.

This proportion is reflected in most of the ship types although general cargo ships account for around a fourth (26.3%) of the world's fleet over 500GT that are not IACS classed or for which no record was available in Equasis (Table 23). Graphs 24 to 29 show that the IACS share is bigger, in number of ships, in the higher size categories of the ships, (Graph 26) with 81% of the large ships and (Graph 28) 80% of the very large ships categories being classed by IACS, compared to 55% of the total world fleet above 500GT (Graph 22). Ships covered by non-IACS members or for which no class was recorded are mostly medium sized ships (Graph 24) with 57% in contrast with remaining ship size categories.

Graphs 30, 38, 46 and 54 show that the IACS members coverage is greater among the younger fleet and tends to diminish with age – from 66% of ships aged up to 5 years (Graph 30) to 22% of the fleet over 25 years old (Graph 54).

Graph 62 shows that 42% of ships originated from non-targeted flags are being classified by IACS members, with 40% of the ships being classed by non-IACS (or no record was found).

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, as measured by detention rate, shows that 2.01% of inspections resulted in detention in 2021 (Table 71). Those ships classed by an IACS member had a lower detention ratio in 2021 (1.80%) than those classed with non-IACS members or with no recorded class (2.69%).

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

3.1. CLASS STATUS

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

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,476	12.9%	7,602	26.3%	12,078	19.0%
Specialized Cargo Ships	203	0.6%	134	0.5%	337	0.5%
Container Ships	3,452	10.0%	2,046	7.1%	5,498	8.7%
Ro-Ro Cargo Ships	945	2.7%	473	1.6%	1,418	2.2%
Bulk Carriers	10,329	29.8%	2,259	7.8%	12,588	19.8%
Oil and Chemical Tankers	7,918	22.9%	4,412	15.3%	12,330	19.4%
Gas Tankers	1,668	4.8%	501	1.7%	2,169	3.4%
Other Tankers	432	1.2%	325	1.1%	757	1.2%
Passenger Ships	392	1.1%	691	2.4%	1,083	1.7%
Offshore Vessels	3,248	9.4%	2,304	8.0%	5,552	8.7%
Service Ships	1,022	3.0%	2,014	7.0%	3,036	4.8%
Tugs	445	1.3%	488	1.7%	933	1.5%
Fishing Vessels	111	0.3%	5,655	19.6%	5,766	9.1%
Total	34,641	100%	28,904	100%	63,545	100%

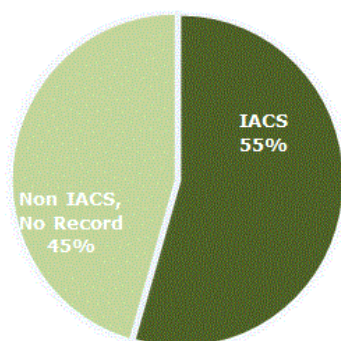
Source: Equasis - IACS membership on 31/12/2021

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

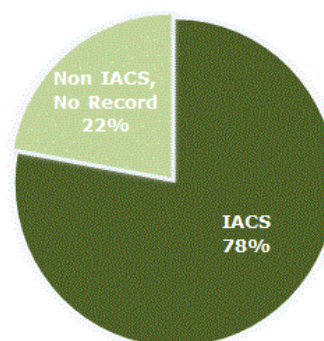
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	33,916	3.0%	27,858	8.6%	61,774	4.2%
Specialized Cargo Ships	3,958	0.3%	1,190	0.4%	5,148	0.4%
Container Ships	176,875	15.5%	89,009	27.4%	265,884	18.1%
Ro-Ro Cargo Ships	37,838	3.3%	12,409	3.8%	50,247	3.4%
Bulk Carriers	453,615	39.7%	55,448	17.1%	509,063	34.7%
Oil and Chemical Tankers	300,274	26.3%	74,309	22.9%	374,583	25.6%
Gas Tankers	75,686	6.6%	16,999	5.2%	92,685	6.3%
Other Tankers	1,885	0.2%	690	0.2%	2,575	0.2%
Passenger Ships	16,034	1.4%	10,924	3.4%	26,958	1.8%
Offshore Vessels	34,589	3.0%	21,795	6.7%	56,384	3.8%
Service Ships	6,384	0.6%	5,505	1.7%	11,889	0.8%
Tugs	394	0.0%	418	0.1%	812	0.1%
Fishing Vessels	282	0.0%	7,752	2.4%	8,034	0.5%
Total	1,141,730	100%	324,306	100%	1,466,036	100%

Source: Equasis - IACS membership on 31/12/2021

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



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



MEDIUM SIZED SHIPS

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

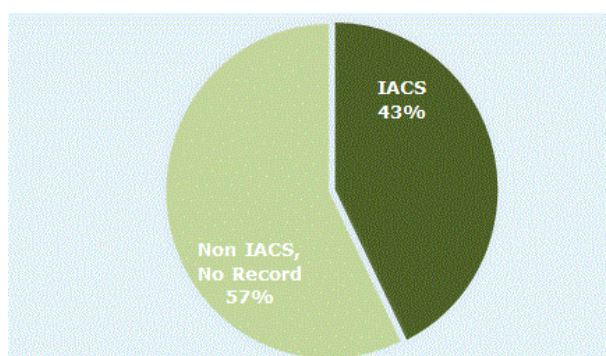
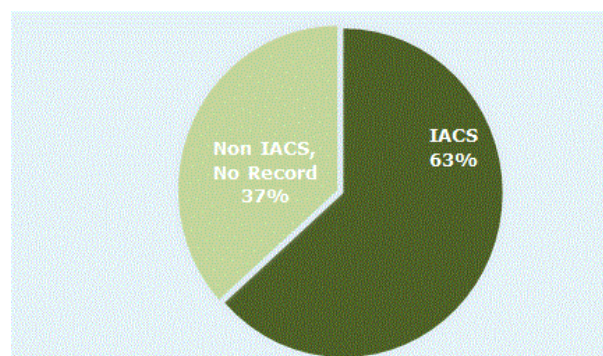
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,338	23.2%	7,476	29.8%	11,814	27.0%
Specialized Cargo Ships	146	0.8%	120	0.5%	266	0.6%
Container Ships	1,429	7.6%	886	3.5%	2,315	5.3%
Ro-Ro Cargo Ships	313	1.7%	288	1.1%	601	1.4%
Bulk Carriers	2,526	13.5%	1,321	5.3%	3,847	8.8%
Oil and Chemical Tankers	3,909	20.9%	3,463	13.8%	7,372	16.9%
Gas Tankers	846	4.5%	299	1.2%	1,145	2.6%
Other Tankers	421	2.3%	320	1.3%	741	1.7%
Passenger Ships	228	1.2%	597	2.4%	825	1.9%
Offshore Vessels	2,999	16.0%	2,136	8.5%	5,135	11.7%
Service Ships	988	5.3%	2,006	8.0%	2,994	6.8%
Tugs	445	2.4%	488	1.9%	933	2.1%
Fishing Vessels	111	0.6%	5,651	22.6%	5,762	13.2%
Total	18,699	100%	25,051	100%	43,750	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	29,329	19.6%	23,548	27.2%	52,877	22.4%
Specialized Cargo Ships	1,480	1.0%	639	0.7%	2,119	0.9%
Container Ships	18,098	12.1%	9,573	11.1%	27,671	11.7%
Ro-Ro Cargo Ships	3,860	2.6%	2,228	2.6%	6,088	2.6%
Bulk Carriers	43,600	29.1%	13,026	15.1%	56,626	24.0%
Oil and Chemical Tankers	30,905	20.6%	14,103	16.3%	45,008	19.0%
Gas Tankers	5,523	3.7%	1,742	2.0%	7,265	3.1%
Other Tankers	1,573	1.1%	537	0.6%	2,110	0.9%
Passenger Ships	1,238	0.8%	1,449	1.7%	2,687	1.1%
Offshore Vessels	8,984	6.0%	6,485	7.5%	15,469	6.5%
Service Ships	4,494	3.0%	5,189	6.0%	9,683	4.1%
Tugs	394	0.3%	418	0.5%	812	0.3%
Fishing Vessels	282	0.2%	7,610	8.8%	7,892	3.3%
Total	149,760	100%	86,547	100%	236,307	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2021

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

LARGE SHIPS

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

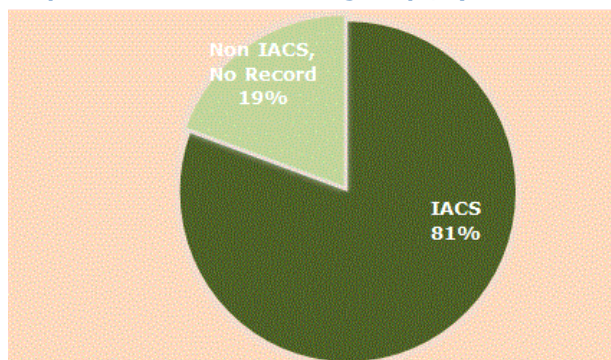
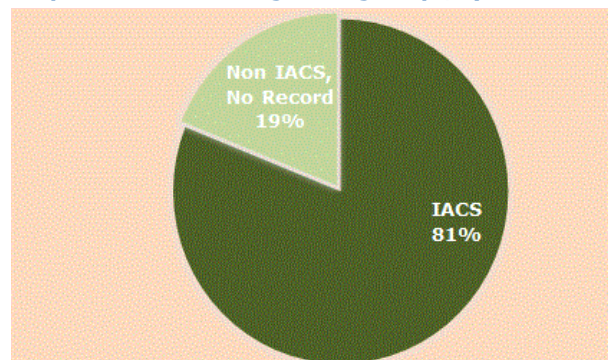
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	138	1.3%	126	5.1%	264	2.1%
Specialized Cargo Ships	50	0.5%	14	0.6%	64	0.5%
Container Ships	944	9.2%	685	27.6%	1,629	12.7%
Ro-Ro Cargo Ships	423	4.1%	126	5.1%	549	4.3%
Bulk Carriers	6,024	58.4%	818	32.9%	6,842	53.5%
Oil and Chemical Tankers	2,248	21.8%	525	21.1%	2,773	21.7%
Gas Tankers	329	3.2%	104	4.2%	433	3.4%
Other Tankers	11	0.1%	5	0.2%	16	0.1%
Passenger Ships	47	0.5%	24	1.0%	71	0.6%
Offshore Vessels	73	0.7%	46	1.9%	119	0.9%
Service Ships	28	0.3%	7	0.3%	35	0.3%
Tugs						
Fishing Vessels			4	0.2%	4	0.0%
Total	10,315	100%	2,484	100%	12,799	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,587	1.2%	4,310	4.7%	8,897	1.8%
Specialized Cargo Ships	1,968	0.5%	551	0.6%	2,519	0.5%
Container Ships	35,634	9.1%	25,137	27.6%	60,771	12.6%
Ro-Ro Cargo Ships	20,007	5.1%	6,110	6.7%	26,117	5.4%
Bulk Carriers	228,056	58.4%	28,805	31.6%	256,861	53.3%
Oil and Chemical Tankers	79,167	20.3%	18,077	19.9%	97,244	20.2%
Gas Tankers	14,484	3.7%	4,422	4.9%	18,906	3.9%
Other Tankers	312	0.1%	153	0.2%	465	0.1%
Passenger Ships	1,925	0.5%	952	1.0%	2,877	0.6%
Offshore Vessels	3,320	0.9%	2,136	2.3%	5,456	1.1%
Service Ships	1,009	0.3%	245	0.3%	1,254	0.3%
Tugs						
Fishing Vessels			142	0.2%	142	0.0%
Total	390,469	100%	91,040	100%	481,509	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

VERY LARGE SHIPS

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

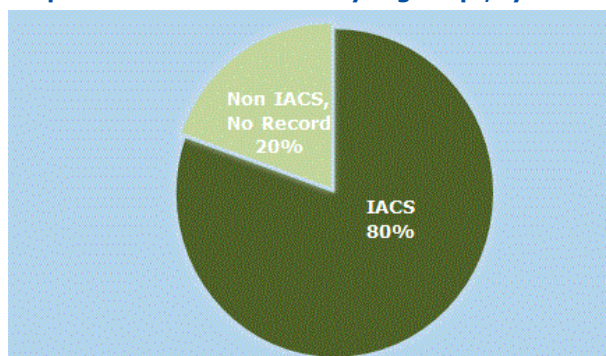
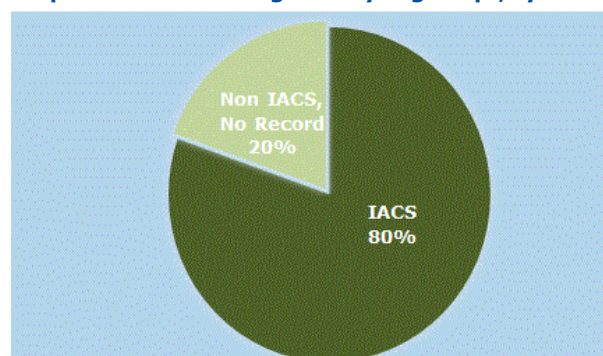
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	7	0.1%			7	0.1%
Container Ships	1,079	19.2%	475	34.7%	1,554	22.2%
Ro-Ro Cargo Ships	209	3.7%	59	4.3%	268	3.8%
Bulk Carriers	1,779	31.6%	120	8.8%	1,899	27.1%
Oil and Chemical Tankers	1,761	31.3%	424	31.0%	2,185	31.2%
Gas Tankers	493	8.8%	98	7.2%	591	8.4%
Other Tankers						
Passenger Ships	117	2.1%	70	5.1%	187	2.7%
Offshore Vessels	176	3.1%	122	8.9%	298	4.3%
Service Ships	6	0.1%	1	0.1%	7	0.1%
Tugs						
Fishing Vessels						
Total	5,627	100%	1,369	100%	6,996	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	510	0.1%			510	0.1%
Container Ships	123,143	20.5%	54,299	37.0%	177,442	23.7%
Ro-Ro Cargo Ships	13,971	2.3%	4,071	2.8%	18,042	2.4%
Bulk Carriers	181,959	30.3%	13,617	9.3%	195,576	26.1%
Oil and Chemical Tankers	190,202	31.6%	42,129	28.7%	232,331	31.1%
Gas Tankers	55,679	9.3%	10,835	7.4%	66,514	8.9%
Other Tankers						
Passenger Ships	12,871	2.1%	8,523	5.8%	21,394	2.9%
Offshore Vessels	22,285	3.7%	13,174	9.0%	35,459	4.7%
Service Ships	881	0.1%	71	0.0%	952	0.1%
Tugs						
Fishing Vessels						
Total	601,501	100%	146,719	100%	748,220	100%

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2021

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

3.2. CLASS STATUS AND AGE

0-4 YEARS OLD SHIPS

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	342	7.3%	301	12.8%	643	9.1%
Specialized Cargo Ships	23	0.5%	19	0.8%	42	0.6%
Container Ships	499	10.7%	193	8.2%	692	9.8%
Ro-Ro Cargo Ships	88	1.9%	16	0.7%	104	1.5%
Bulk Carriers	1,529	32.7%	299	12.7%	1,828	26.0%
Oil and Chemical Tankers	1,244	26.6%	432	18.3%	1,676	23.8%
Gas Tankers	342	7.3%	62	2.6%	404	5.7%
Other Tankers	61	1.3%	11	0.5%	72	1.0%
Passenger Ships	71	1.5%	75	3.2%	146	2.1%
Offshore Vessels	261	5.6%	90	3.8%	351	5.0%
Service Ships	119	2.5%	130	5.5%	249	3.5%
Tugs	57	1.2%	19	0.8%	76	1.1%
Fishing Vessels	44	0.9%	712	30.2%	756	10.7%
Total	4,680	100%	2,359	100%	7,039	100%

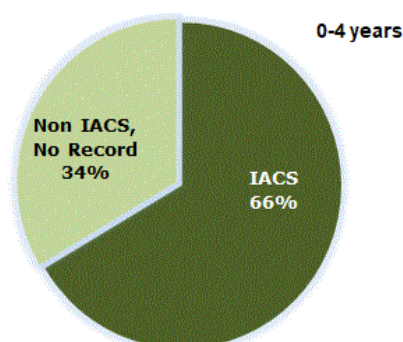
Source: Equasis - IACS membership on 31/12/2021

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

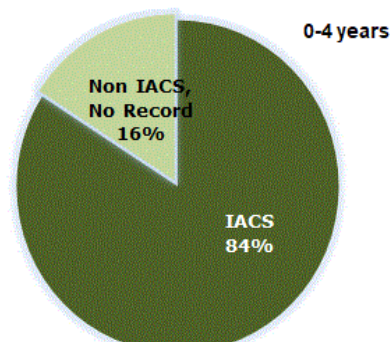
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	3,285	1.5%	1,589	3.8%	4,874	1.9%
Specialized Cargo Ships	502	0.2%	279	0.7%	781	0.3%
Container Ships	37,824	17.2%	9,129	21.9%	46,953	17.9%
Ro-Ro Cargo Ships	3,734	1.7%	536	1.3%	4,270	1.6%
Bulk Carriers	83,587	38.0%	7,944	19.1%	91,531	35.0%
Oil and Chemical Tankers	59,140	26.9%	12,329	29.6%	71,469	27.3%
Gas Tankers	22,579	10.3%	4,455	10.7%	27,034	10.3%
Other Tankers	298	0.1%	24	0.1%	322	0.1%
Passenger Ships	4,044	1.8%	2,093	5.0%	6,137	2.3%
Offshore Vessels	3,937	1.8%	1,542	3.7%	5,479	2.1%
Service Ships	819	0.4%	536	1.3%	1,355	0.5%
Tugs	51	0.0%	26	0.1%	77	0.0%
Fishing Vessels	149	0.1%	1,154	2.8%	1,303	0.5%
Total	219,949	100%	41,636	100%	261,585	100%

Source: Equasis - IACS membership on 31/12/2021

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



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



0-4 YEARS OLD MEDIUM SIZED SHIPS

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

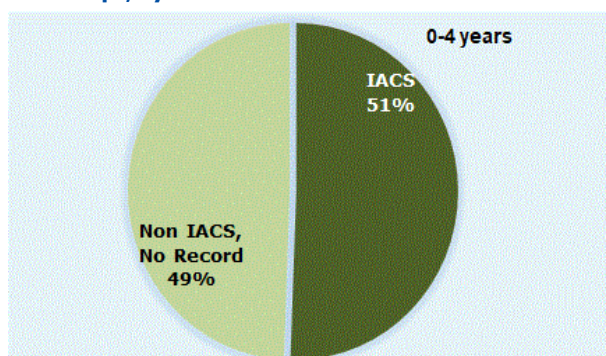
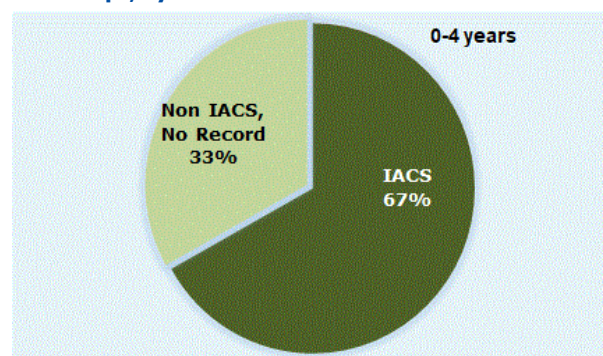
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	311	16.0%	295	15.6%	606	15.8%
Specialized Cargo Ships	15	0.8%	15	0.8%	30	0.8%
Container Ships	196	10.1%	99	5.2%	295	7.7%
Ro-Ro Cargo Ships	34	1.8%	6	0.3%	40	1.0%
Bulk Carriers	231	11.9%	173	9.1%	404	10.5%
Oil and Chemical Tankers	502	25.9%	282	14.9%	784	20.4%
Gas Tankers	102	5.3%	15	0.8%	117	3.0%
Other Tankers	58	3.0%	11	0.6%	69	1.8%
Passenger Ships	38	2.0%	63	3.3%	101	2.6%
Offshore Vessels	238	12.3%	81	4.3%	319	8.3%
Service Ships	115	5.9%	127	6.7%	242	6.3%
Tugs	57	2.9%	19	1.0%	76	2.0%
Fishing Vessels	44	2.3%	711	37.5%	755	19.7%
Total	1,941	100%	1,897	100%	3,838	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	2,096	12.1%	1,389	16.2%	3,485	13.4%
Specialized Cargo Ships	109	0.6%	92	1.1%	201	0.8%
Container Ships	2,900	16.7%	1,318	15.3%	4,218	16.3%
Ro-Ro Cargo Ships	404	2.3%	58	0.7%	462	1.8%
Bulk Carriers	4,501	25.9%	1,755	20.4%	6,256	24.1%
Oil and Chemical Tankers	4,500	25.9%	1,362	15.9%	5,862	22.6%
Gas Tankers	561	3.2%	205	2.4%	766	3.0%
Other Tankers	220	1.3%	24	0.3%	244	0.9%
Passenger Ships	172	1.0%	299	3.5%	471	1.8%
Offshore Vessels	998	5.7%	513	6.0%	1,511	5.8%
Service Ships	698	4.0%	421	4.9%	1,119	4.3%
Tugs	51	0.3%	26	0.3%	77	0.3%
Fishing Vessels	149	0.9%	1,126	13.1%	1,275	4.9%
Total	17,359	100%	8,588	100%	25,947	100%

Source: Equasis - IACS membership on 31/12/2021

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

0-4 YEARS OLD LARGE SHIPS

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

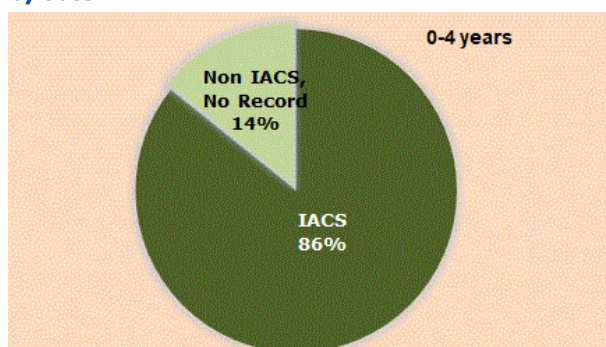
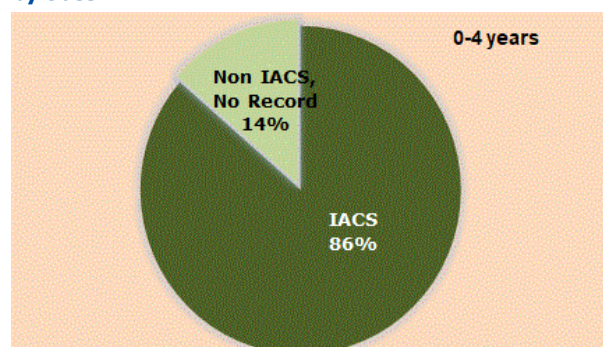
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	31	2.0%	6	2.3%	37	2.0%
Specialized Cargo Ships	5	0.3%	4	1.5%	9	0.5%
Container Ships	115	7.4%	59	22.7%	174	9.5%
Ro-Ro Cargo Ships	11	0.7%	9	3.5%	20	1.1%
Bulk Carriers	973	62.3%	105	40.4%	1,078	59.2%
Oil and Chemical Tankers	322	20.6%	58	22.3%	380	20.9%
Gas Tankers	86	5.5%	14	5.4%	100	5.5%
Other Tankers	3	0.2%			3	0.2%
Passenger Ships	11	0.7%	1	0.4%	12	0.7%
Offshore Vessels	1	0.1%			1	0.1%
Service Ships	4	0.3%	3	1.2%	7	0.4%
Tugs						
Fishing Vessels			1	0.4%	1	0.1%
Total	1,562	100%	260	100%	1,822	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,189	2.0%	200	2.2%	1,389	2.0%
Specialized Cargo Ships	187	0.3%	187	2.0%	374	0.5%
Container Ships	3,650	6.2%	1,789	19.3%	5,439	8.0%
Ro-Ro Cargo Ships	417	0.7%	404	4.4%	821	1.2%
Bulk Carriers	38,632	65.7%	4,104	44.3%	42,736	62.8%
Oil and Chemical Tankers	10,174	17.3%	1,836	19.8%	12,010	17.6%
Gas Tankers	3,827	6.5%	566	6.1%	4,393	6.5%
Other Tankers	78	0.1%			78	0.1%
Passenger Ships	519	0.9%	30	0.3%	549	0.8%
Offshore Vessels	29	0.0%			29	0.0%
Service Ships	121	0.2%	115	1.2%	236	0.3%
Tugs						
Fishing Vessels			28	0.3%	28	0.0%
Total	58,823	100%	9,259	100%	68,082	100%

Source: Equasis - IACS membership on 31/12/2021

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

0-4 YEARS OLD VERY LARGE SHIPS

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

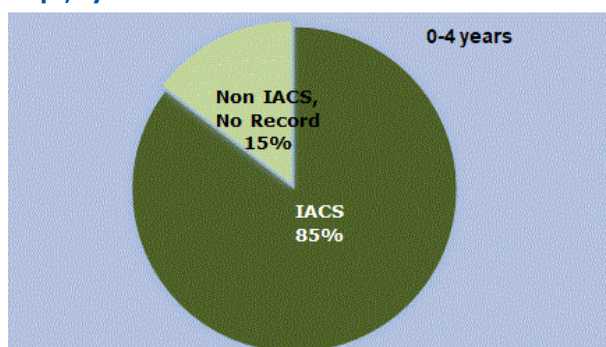
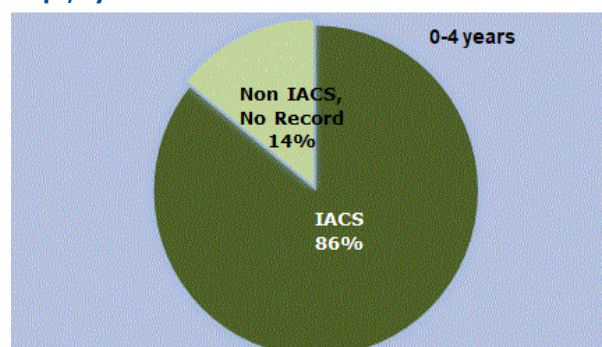
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	3	0.3%			3	0.2%
Container Ships	188	16.0%	35	17.3%	223	16.2%
Ro-Ro Cargo Ships	43	3.7%	1	0.5%	44	3.2%
Bulk Carriers	325	27.6%	21	10.4%	346	25.1%
Oil and Chemical Tankers	420	35.7%	92	45.5%	512	37.1%
Gas Tankers	154	13.1%	33	16.3%	187	13.6%
Other Tankers						
Passenger Ships	22	1.9%	11	5.4%	33	2.4%
Offshore Vessels	22	1.9%	9	4.5%	31	2.2%
Service Ships						
Tugs						
Fishing Vessels						
Total	1,177	100%	202	100%	1,379	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	206	0.1%			206	0.1%
Container Ships	31,274	21.8%	6,022	25.3%	37,296	22.3%
Ro-Ro Cargo Ships	2,913	2.0%	74	0.3%	2,987	1.8%
Bulk Carriers	40,454	28.1%	2,085	8.8%	42,539	25.4%
Oil and Chemical Tankers	44,466	30.9%	9,131	38.4%	53,597	32.0%
Gas Tankers	18,191	12.7%	3,684	15.5%	21,875	13.1%
Other Tankers						
Passenger Ships	3,353	2.3%	1,764	7.4%	5,117	3.1%
Offshore Vessels	2,910	2.0%	1,029	4.3%	3,939	2.4%
Service Ships						
Tugs						
Fishing Vessels						
Total	143,767	100%	23,789	100%	167,556	100%

Source: Equasis - IACS membership on 31/12/2021

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

5-14 YEARS OLD SHIPS

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

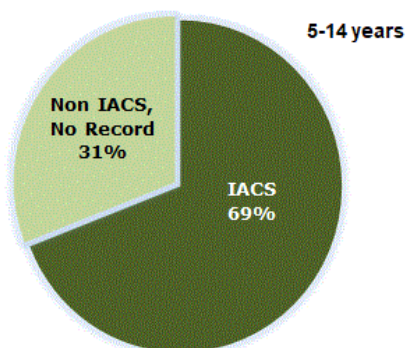
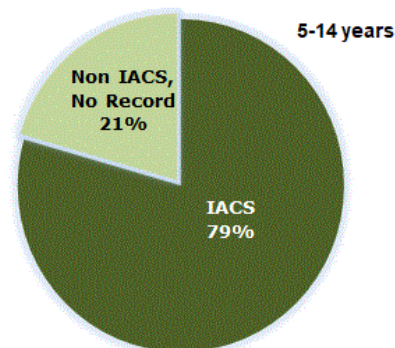
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,699	9.7%	1,585	20.3%	3,284	13.0%
Specialized Cargo Ships	91	0.5%	23	0.3%	114	0.5%
Container Ships	1,455	8.3%	843	10.8%	2,298	9.1%
Ro-Ro Cargo Ships	403	2.3%	146	1.9%	549	2.2%
Bulk Carriers	6,236	35.7%	1,266	16.2%	7,502	29.7%
Oil and Chemical Tankers	3,870	22.1%	1,249	16.0%	5,119	20.2%
Gas Tankers	739	4.2%	180	2.3%	919	3.6%
Other Tankers	248	1.4%	66	0.8%	314	1.2%
Passenger Ships	78	0.4%	111	1.4%	189	0.7%
Offshore Vessels	2,068	11.8%	788	10.1%	2,856	11.3%
Service Ships	358	2.0%	493	6.3%	851	3.4%
Tugs	218	1.2%	65	0.8%	283	1.1%
Fishing Vessels	18	0.1%	1,004	12.8%	1,022	4.0%
Total	17,481	100%	7,819	100%	25,300	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	17,049	2.8%	8,853	5.5%	25,902	3.3%
Specialized Cargo Ships	1,751	0.3%	349	0.2%	2,100	0.3%
Container Ships	89,125	14.4%	50,773	31.8%	139,898	18.0%
Ro-Ro Cargo Ships	19,241	3.1%	6,576	4.1%	25,817	3.3%
Bulk Carriers	283,218	45.9%	36,403	22.8%	319,621	41.1%
Oil and Chemical Tankers	153,285	24.8%	31,548	19.8%	184,833	23.8%
Gas Tankers	32,902	5.3%	8,610	5.4%	41,512	5.3%
Other Tankers	1,163	0.2%	269	0.2%	1,432	0.2%
Passenger Ships	4,680	0.8%	4,051	2.5%	8,731	1.1%
Offshore Vessels	12,392	2.0%	8,785	5.5%	21,177	2.7%
Service Ships	2,414	0.4%	1,858	1.2%	4,272	0.5%
Tugs	198	0.0%	55	0.0%	253	0.0%
Fishing Vessels	35	0.0%	1,445	0.9%	1,480	0.2%
Total	617,453	100%	159,575	100%	777,028	100%

Source: Equasis - IACS membership on 31/12/2021

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

5-14 YEARS OLD MEDIUM SIZED SHIPS

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

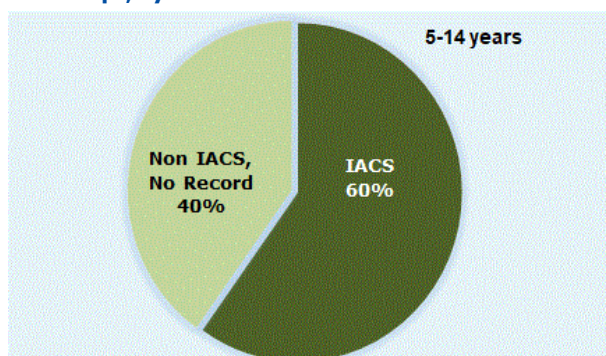
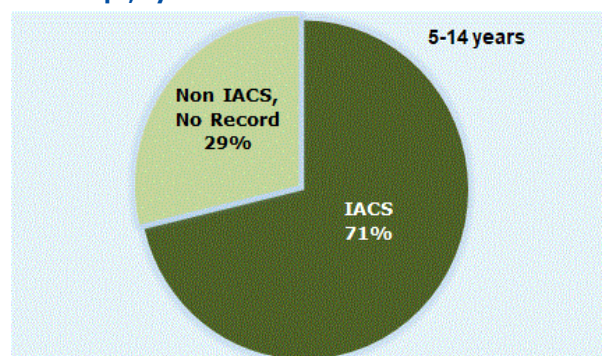
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,614	18.6%	1,531	26.3%	3,145	21.7%
Specialized Cargo Ships	73	0.8%	19	0.3%	92	0.6%
Container Ships	459	5.3%	261	4.5%	720	5.0%
Ro-Ro Cargo Ships	66	0.8%	34	0.6%	100	0.7%
Bulk Carriers	1,417	16.3%	671	11.5%	2,088	14.4%
Oil and Chemical Tankers	1,830	21.1%	813	14.0%	2,643	18.2%
Gas Tankers	384	4.4%	68	1.2%	452	3.1%
Other Tankers	243	2.8%	63	1.1%	306	2.1%
Passenger Ships	33	0.4%	80	1.4%	113	0.8%
Offshore Vessels	1,987	22.9%	722	12.4%	2,709	18.7%
Service Ships	346	4.0%	491	8.4%	837	5.8%
Tugs	218	2.5%	65	1.1%	283	2.0%
Fishing Vessels	18	1.2%	1,004	386.2%	1,022	56.1%
Total	8,688	101%	5,822	469%	14,510	149%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	14,323	18.9%	6,872	22.5%	21,195	19.9%
Specialized Cargo Ships	882	1.2%	196	0.6%	1,078	1.0%
Container Ships	6,032	7.9%	2,987	9.8%	9,019	8.5%
Ro-Ro Cargo Ships	862	1.1%	351	1.1%	1,213	1.1%
Bulk Carriers	27,489	36.2%	7,830	25.6%	35,319	33.2%
Oil and Chemical Tankers	14,438	19.0%	4,450	14.5%	18,888	17.7%
Gas Tankers	2,900	3.8%	850	2.8%	3,750	3.5%
Other Tankers	1,018	1.3%	182	0.6%	1,200	1.1%
Passenger Ships	120	0.2%	127	0.4%	247	0.2%
Offshore Vessels	6,032	7.9%	3,468	11.3%	9,500	8.9%
Service Ships	1,617	2.1%	1,783	5.8%	3,400	3.2%
Tugs	198	0.3%	55	0.2%	253	0.2%
Fishing Vessels	35	0.1%	1,445	15.6%	1,480	2.2%
Total	75,946	100%	30,596	111%	106,542	101%

Source: Equasis - IACS membership on 31/12/2021

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

5-14 YEARS OLD LARGE SHIPS

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

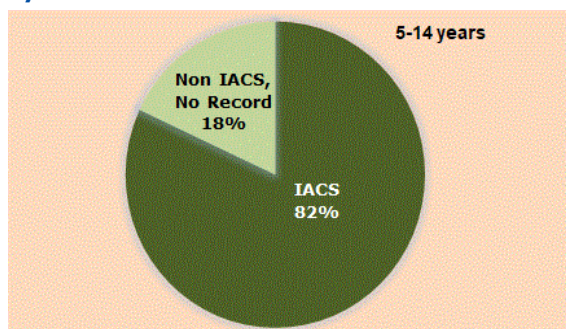
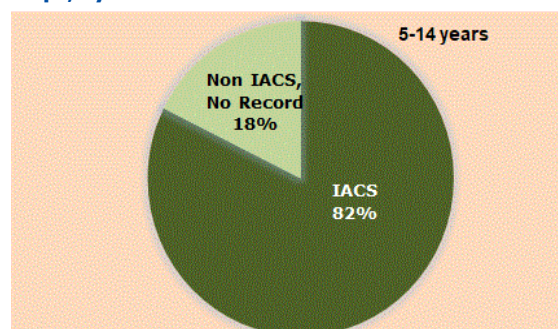
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	85	1.5%	54		139	2.0%
Specialized Cargo Ships	14	0.2%	4		18	0.3%
Container Ships	419	7.4%	277		696	10.0%
Ro-Ro Cargo Ships	213	3.7%	73		286	4.1%
Bulk Carriers	3,632	63.9%	505		4,137	59.6%
Oil and Chemical Tankers	1,104	19.4%	239		1,343	19.4%
Gas Tankers	157	2.8%	70		227	3.3%
Other Tankers	5	0.1%	3		8	0.1%
Passenger Ships	11	0.2%	2		13	0.2%
Offshore Vessels	34	0.6%	23		57	0.8%
Service Ships	11	0.2%	2		13	0.2%
Tugs						
Fishing Vessels						
Total	5,685	100%	1,252	0%	6,937	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	2,726	1.3%	1,981	4.3%	4,707	1.8%
Specialized Cargo Ships	565	0.3%	153	0.3%	718	0.3%
Container Ships	16,591	7.7%	10,915	23.5%	27,506	10.5%
Ro-Ro Cargo Ships	10,011	4.6%	3,478	7.5%	13,489	5.1%
Bulk Carriers	138,812	64.2%	17,783	38.3%	156,595	59.6%
Oil and Chemical Tankers	38,307	17.7%	7,712	16.6%	46,019	17.5%
Gas Tankers	6,891	3.2%	3,058	6.6%	9,949	3.8%
Other Tankers	145	0.1%	87	0.2%	232	0.1%
Passenger Ships	466	0.2%	68	0.1%	534	0.2%
Offshore Vessels	1,469	0.7%	1,081	2.3%	2,550	1.0%
Service Ships	394	0.2%	75	0.2%	469	0.2%
Tugs						
Fishing Vessels						
Total	216,377	100%	46,391	100%	262,768	100%

Source: Equasis - IACS membership on 31/12/2021

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

5-14 YEARS OLD VERY LARGE SHIPS

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

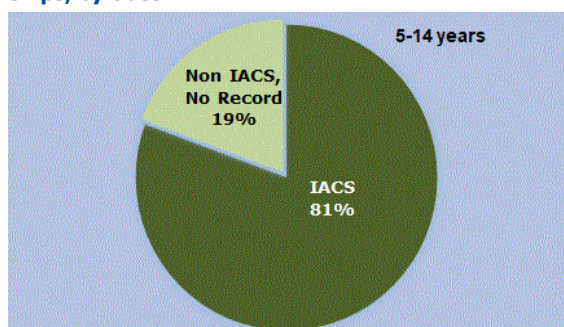
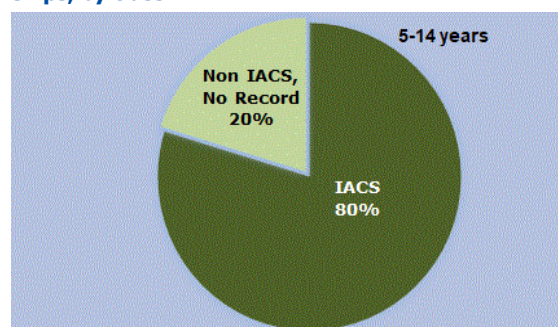
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	4	0.1%			4	0.1%
Container Ships	577	18.6%	305	40.9%	882	22.9%
Ro-Ro Cargo Ships	124	4.0%	39	5.2%	163	4.2%
Bulk Carriers	1,187	38.2%	90	12.1%	1,277	33.1%
Oil and Chemical Tankers	936	30.1%	197	26.4%	1,133	29.4%
Gas Tankers	198	6.4%	42	5.6%	240	6.2%
Other Tankers						
Passenger Ships	34	1.1%	29	3.9%	63	1.6%
Offshore Vessels	47	1.5%	43	5.8%	90	2.3%
Service Ships	1	0.0%			1	0.0%
Tugs						
Fishing Vessels						
Total	3,108	100%	745	100%	3,853	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships	304	0.1%			304	0.1%
Container Ships	66,502	20.5%	36,871	44.6%	103,373	25.4%
Ro-Ro Cargo Ships	8,368	2.6%	2,747	3.3%	11,115	2.7%
Bulk Carriers	116,917	36.0%	10,790	13.1%	127,707	31.3%
Oil and Chemical Tankers	100,540	30.9%	19,386	23.5%	119,926	29.4%
Gas Tankers	23,111	7.1%	4,702	5.7%	27,813	6.8%
Other Tankers						
Passenger Ships	4,094	1.3%	3,856	4.7%	7,950	1.9%
Offshore Vessels	4,891	1.5%	4,236	5.1%	9,127	2.2%
Service Ships	403	0.1%			403	0.1%
Tugs						
Fishing Vessels						
Total	325,130	100%	82,588	100%	407,718	100%

Source: Equasis - IACS membership on 31/12/2021

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

15-24 YEARS OLD SHIPS

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

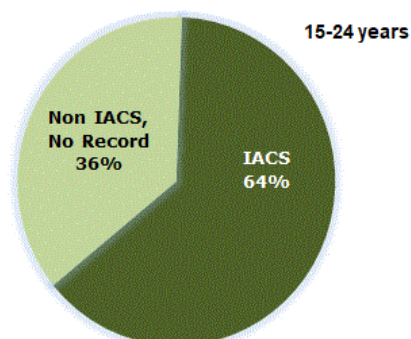
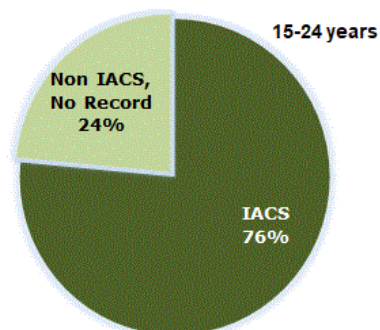
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,250	14.4%	1,230	24.8%	2,480	18.2%
Specialized Cargo Ships	30	0.3%	1	0.0%	31	0.2%
Container Ships	1,230	14.2%	788	15.9%	2,018	14.8%
Ro-Ro Cargo Ships	328	3.8%	112	2.3%	440	3.2%
Bulk Carriers	1,954	22.6%	312	6.3%	2,266	16.6%
Oil and Chemical Tankers	2,417	27.9%	867	17.4%	3,284	24.1%
Gas Tankers	380	4.4%	83	1.7%	463	3.4%
Other Tankers	56	0.6%	23	0.5%	79	0.6%
Passenger Ships	121	1.4%	133	2.7%	254	1.9%
Offshore Vessels	599	6.9%	447	9.0%	1,046	7.7%
Service Ships	201	2.3%	246	5.0%	447	3.3%
Tugs	75	0.9%	45	0.9%	120	0.9%
Fishing Vessels	18	0.2%	682	13.7%	700	5.1%
Total	8,659	100%	4,969	100%	13,628	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	8,533	3.3%	5,768	7.3%	14,301	4.2%
Specialized Cargo Ships	610	0.2%	3	0.0%	613	0.2%
Container Ships	45,342	17.6%	25,954	32.7%	71,296	21.1%
Ro-Ro Cargo Ships	12,750	4.9%	3,795	4.8%	16,545	4.9%
Bulk Carriers	75,003	29.1%	6,960	8.8%	81,963	24.3%
Oil and Chemical Tankers	85,138	33.0%	24,131	30.4%	109,269	32.4%
Gas Tankers	15,228	5.9%	3,085	3.9%	18,313	5.4%
Other Tankers	271	0.1%	118	0.1%	389	0.1%
Passenger Ships	5,338	2.1%	3,029	3.8%	8,367	2.5%
Offshore Vessels	8,239	3.2%	5,050	6.4%	13,289	3.9%
Service Ships	1,490	0.6%	582	0.7%	2,072	0.6%
Tugs	70	0.0%	34	0.0%	104	0.0%
Fishing Vessels	24	0.0%	864	1.1%	888	0.3%
Total	258,036	100%	79,373	100%	337,409	100%

Source: Equasis - IACS membership on 31/12/2021

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

15-24 YEARS OLD MEDIUM SIZED SHIPS

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

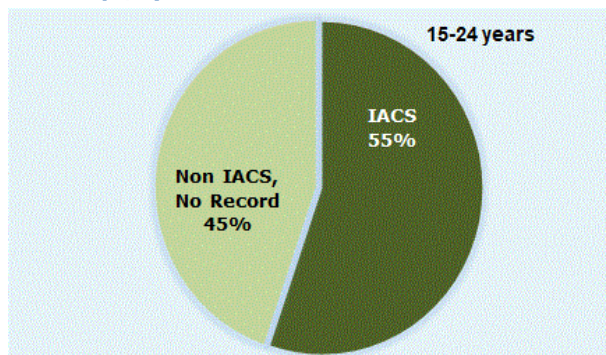
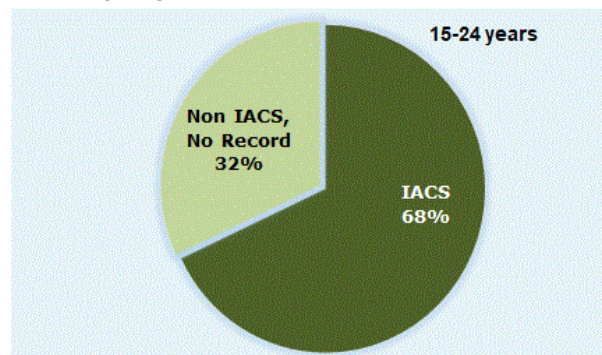
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,236	26.0%	1,192	30.9%	2,428	28.2%
Specialized Cargo Ships	20	0.4%	1	0.0%	21	0.2%
Container Ships	550	11.5%	355	9.2%	905	10.5%
Ro-Ro Cargo Ships	107	2.2%	57	1.5%	164	1.9%
Bulk Carriers	479	10.1%	163	4.2%	642	7.4%
Oil and Chemical Tankers	1,218	25.6%	538	14.0%	1,756	20.4%
Gas Tankers	213	4.5%	47	1.2%	260	3.0%
Other Tankers	54	1.1%	21	0.5%	75	0.9%
Passenger Ships	57	1.2%	100	2.6%	157	1.8%
Offshore Vessels	541	11.4%	409	10.6%	950	11.0%
Service Ships	194	4.1%	246	6.4%	440	5.1%
Tugs	75	1.6%	45	1.2%	120	1.4%
Fishing Vessels	18	1.2%	682	262.3%	700	38.4%
Total	4,762	101%	3,856	345%	8,618	130%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	8,101	21.2%	4,562	25.4%	12,663	22.5%
Specialized Cargo Ships	203	0.5%	3	0.0%	206	0.4%
Container Ships	6,664	17.4%	4,003	22.3%	10,667	19.0%
Ro-Ro Cargo Ships	1,472	3.9%	726	4.0%	2,198	3.9%
Bulk Carriers	7,017	18.4%	1,469	8.2%	8,486	15.1%
Oil and Chemical Tankers	10,654	27.9%	3,879	21.6%	14,533	25.9%
Gas Tankers	1,244	3.3%	414	2.3%	1,658	3.0%
Other Tankers	211	0.6%	52	0.3%	263	0.5%
Passenger Ships	227	0.6%	218	1.2%	445	0.8%
Offshore Vessels	1,259	3.3%	1,172	6.5%	2,431	4.3%
Service Ships	1,078	2.8%	582	3.2%	1,660	3.0%
Tugs	70	0.2%	34	0.2%	104	0.2%
Fishing Vessels	24	0.0%	864	9.3%	888	1.3%
Total	38,224	100%	17,978	105%	56,202	100%

Source: Equasis - IACS membership on 31/12/2021

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

15-24 YEARS OLD LARGE SHIPS

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

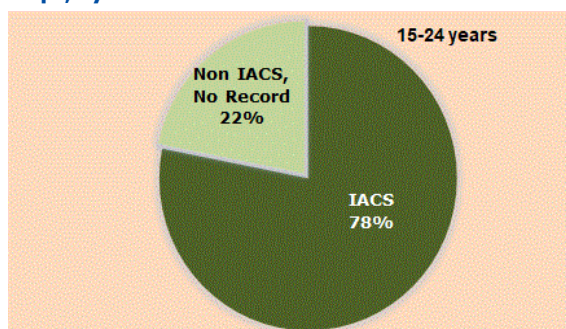
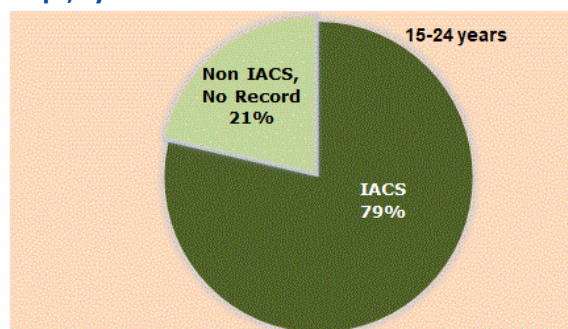
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	14	0.5%	38	5.1%	52	1.5%
Specialized Cargo Ships	10	0.4%			10	0.3%
Container Ships	379	14.2%	298	39.7%	677	19.8%
Ro-Ro Cargo Ships	181	6.8%	37	4.9%	218	6.4%
Bulk Carriers	1,209	45.2%	141	18.8%	1,350	39.4%
Oil and Chemical Tankers	799	29.8%	203	27.1%	1,002	29.2%
Gas Tankers	53	2.0%	17	2.3%	70	2.0%
Other Tankers	2	0.1%	2	0.3%	4	0.1%
Passenger Ships	13	0.5%	8	1.1%	21	0.6%
Offshore Vessels	13	0.5%	6	0.8%	19	0.6%
Service Ships	4	0.1%			4	0.1%
Tugs						
Fishing Vessels						
Total	2,677	100%	750	100%	3,427	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	432	0.4%	1,206	4.4%	1,638	1.3%
Specialized Cargo Ships	407	0.4%			407	0.3%
Container Ships	14,276	14.2%	10,545	38.5%	24,821	19.4%
Ro-Ro Cargo Ships	8,723	8.7%	1,891	6.9%	10,614	8.3%
Bulk Carriers	43,543	43.2%	4,813	17.6%	48,356	37.8%
Oil and Chemical Tankers	29,750	29.5%	7,660	28.0%	37,410	29.2%
Gas Tankers	2,339	2.3%	664	2.4%	3,003	2.3%
Other Tankers	60	0.1%	66	0.2%	126	0.1%
Passenger Ships	445	0.4%	282	1.0%	727	0.6%
Offshore Vessels	568	0.6%	260	0.9%	828	0.6%
Service Ships	146	0.1%			146	0.1%
Tugs						
Fishing Vessels						
Total	100,689	100%	27,387	100%	128,076	100%

Source: Equasis - IACS membership on 31/12/2021

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

15-24 YEARS OLD VERY LARGE SHIPS

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

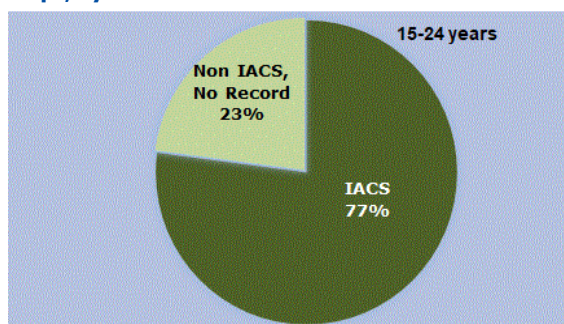
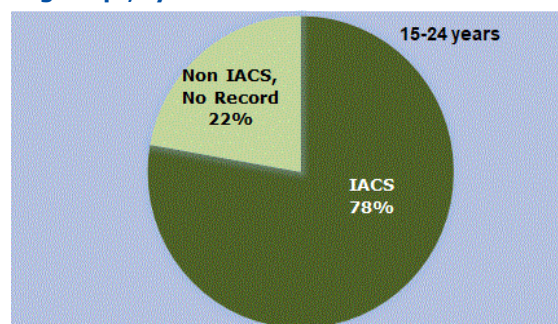
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	301	24.7%	135	37.2%	436	27.5%
Ro-Ro Cargo Ships	40	3.3%	18	5.0%	58	3.7%
Bulk Carriers	266	21.8%	8	2.2%	274	17.3%
Oil and Chemical Tankers	400	32.8%	126	34.7%	526	33.2%
Gas Tankers	114	9.3%	19	5.2%	133	8.4%
Other Tankers						
Passenger Ships	51	4.2%	25	6.9%	76	4.8%
Offshore Vessels	45	3.7%	32	8.8%	77	4.9%
Service Ships	3	0.2%			3	0.2%
Tugs						
Fishing Vessels						
Total	1,220	100%	363	100%	1,583	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	24,402	20.5%	11,406	33.5%	35,808	23.4%
Ro-Ro Cargo Ships	2,555	2.1%	1,178	3.5%	3,733	2.4%
Bulk Carriers	24,443	20.5%	678	2.0%	25,121	16.4%
Oil and Chemical Tankers	44,734	37.6%	12,592	37.0%	57,326	37.4%
Gas Tankers	11,645	9.8%	2,007	5.9%	13,652	8.9%
Other Tankers						
Passenger Ships	4,666	3.9%	2,529	7.4%	7,195	4.7%
Offshore Vessels	6,412	5.4%	3,618	10.6%	10,030	6.5%
Service Ships	266	0.2%			266	0.2%
Tugs						
Fishing Vessels						
Total	119,123	100%	34,008	100%	153,131	100%

Source: Equasis - IACS membership on 31/12/2021

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

25+ YEARS OLD SHIPS

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

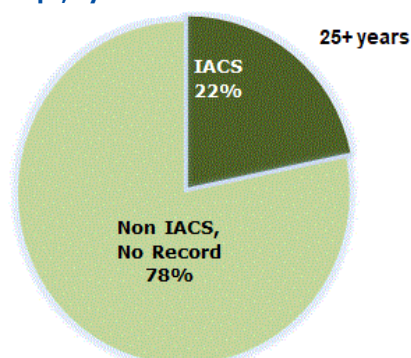
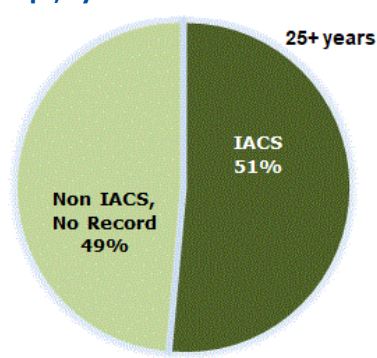
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,185	31.0%	4,486	32.6%	5,671	32.3%
Specialized Cargo Ships	59	1.5%	91	0.7%	150	0.9%
Container Ships	268	7.0%	222	1.6%	490	2.8%
Ro-Ro Cargo Ships	126	3.3%	199	1.4%	325	1.8%
Bulk Carriers	610	16.0%	382	2.8%	992	5.6%
Oil and Chemical Tankers	387	10.1%	1,864	13.5%	2,251	12.8%
Gas Tankers	207	5.4%	176	1.3%	383	2.2%
Other Tankers	67	1.8%	225	1.6%	292	1.7%
Passenger Ships	122	3.2%	372	2.7%	494	2.8%
Offshore Vessels	320	8.4%	979	7.1%	1,299	7.4%
Service Ships	344	9.0%	1,145	8.3%	1,489	8.5%
Tugs	95	2.5%	359	2.6%	454	2.6%
Fishing Vessels	31	0.8%	3,257	23.7%	3,288	18.7%
Total	3,821	100%	13,757	100%	17,578	100%

Source: Equasis - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	5,048	10.9%	11,647	26.6%	16,695	18.5%
Specialized Cargo Ships	1,095	2.4%	559	1.3%	1,654	1.8%
Container Ships	4,584	9.9%	3,154	7.2%	7,738	8.6%
Ro-Ro Cargo Ships	2,112	4.6%	1,504	3.4%	3,616	4.0%
Bulk Carriers	11,809	25.5%	4,142	9.5%	15,951	17.7%
Oil and Chemical Tankers	2,711	5.9%	6,300	14.4%	9,011	10.0%
Gas Tankers	4,975	10.7%	851	1.9%	5,826	6.5%
Other Tankers	153	0.3%	279	0.6%	432	0.5%
Passenger Ships	1,973	4.3%	1,752	4.0%	3,725	4.1%
Offshore Vessels	10,023	21.7%	6,418	14.7%	16,441	18.3%
Service Ships	1,661	3.6%	2,529	5.8%	4,190	4.7%
Tugs	76	0.2%	302	0.7%	378	0.4%
Fishing Vessels	74	0.2%	4,288	9.8%	4,362	4.8%
Total	46,294	100%	43,725	100%	90,019	100%

Source: Equasis - IACS membership on 31/12/2021

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

25+ YEARS OLD MEDIUM SIZED SHIPS

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

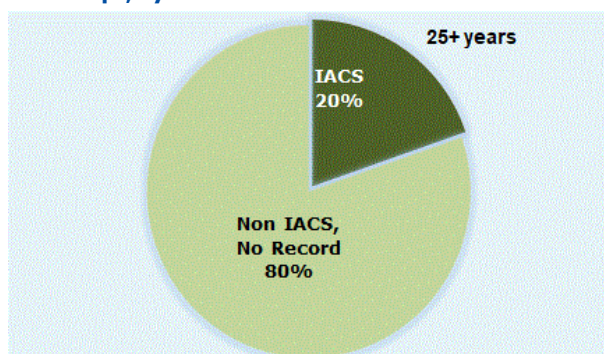
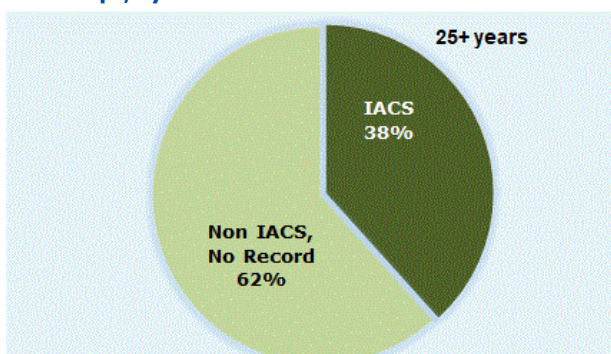
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	1,177	35.6%	4,458	33.1%	5,635	33.6%
Specialized Cargo Ships	38	1.1%	85	0.6%	123	0.7%
Container Ships	224	6.8%	171	1.3%	395	2.4%
Ro-Ro Cargo Ships	106	3.2%	191	1.4%	297	1.8%
Bulk Carriers	399	12.1%	314	2.3%	713	4.2%
Oil and Chemical Tankers	359	10.9%	1,830	13.6%	2,189	13.0%
Gas Tankers	147	4.4%	169	1.3%	316	1.9%
Other Tankers	66	2.0%	225	1.7%	291	1.7%
Passenger Ships	100	3.0%	354	2.6%	454	2.7%
Offshore Vessels	233	7.0%	924	6.9%	1,157	6.9%
Service Ships	333	10.1%	1,142	8.5%	1,475	8.8%
Tugs	95	2.9%	359	2.7%	454	2.7%
Fishing Vessels	31	2.0%	3,254	1251.5%	3,285	180.3%
Total	3,308	101%	13,476	1327%	16,784	261%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,808	26.4%	10,725	36.5%	15,533	32.6%
Specialized Cargo Ships	286	1.6%	348	1.2%	634	1.3%
Container Ships	2,502	13.7%	1,266	4.3%	3,768	7.9%
Ro-Ro Cargo Ships	1,122	6.2%	1,094	3.7%	2,216	4.7%
Bulk Carriers	4,594	25.2%	1,972	6.7%	6,566	13.8%
Oil and Chemical Tankers	1,313	7.2%	4,411	15.0%	5,724	12.0%
Gas Tankers	817	4.5%	273	0.9%	1,090	2.3%
Other Tankers	124	0.7%	279	0.9%	403	0.8%
Passenger Ships	720	3.9%	805	2.7%	1,525	3.2%
Offshore Vessels	695	3.8%	1,332	4.5%	2,027	4.3%
Service Ships	1,100	6.0%	2,403	8.2%	3,503	7.4%
Tugs	76	0.4%	302	1.0%	378	0.8%
Fishing Vessels	74	0.1%	4,175	45.1%	4,249	6.2%
Total	18,231	100%	29,385	131%	47,616	97%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000 - IACS membership on 31/12/2021

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

25+ YEARS OLD LARGE SHIPS

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

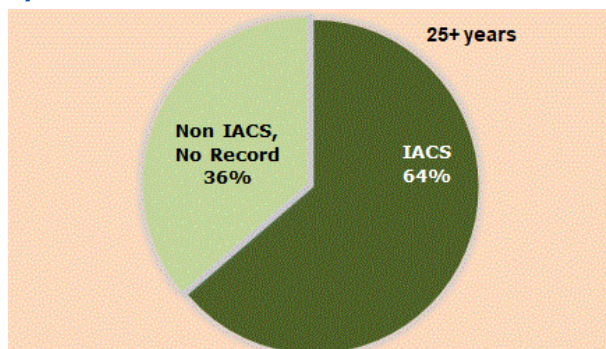
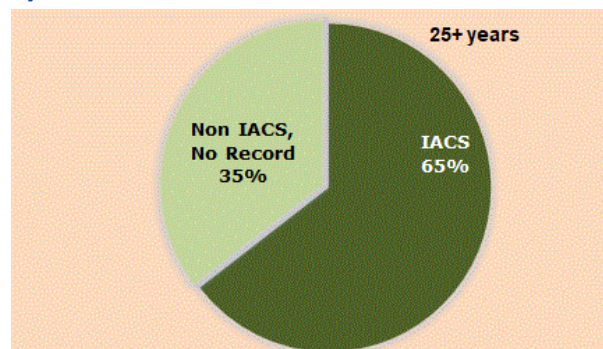
Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	8	2.0%	28	12.6%	36	5.9%
Specialized Cargo Ships	21	5.4%	6	2.7%	27	4.4%
Container Ships	31	7.9%	51	23.0%	82	13.4%
Ro-Ro Cargo Ships	18	4.6%	7	3.2%	25	4.1%
Bulk Carriers	210	53.7%	67	30.2%	277	45.2%
Oil and Chemical Tankers	23	5.9%	25	11.3%	48	7.8%
Gas Tankers	33	8.4%	3	1.4%	36	5.9%
Other Tankers	1	0.3%			1	0.2%
Passenger Ships	12	3.1%	13	5.9%	25	4.1%
Offshore Vessels	25	6.4%	17	7.7%	42	6.9%
Service Ships	9	2.3%	2	0.9%	11	1.8%
Tugs						
Fishing Vessels			3	1.2%	3	0.2%
Total	391	100%	222	100%	613	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
General Cargo Ships	240	1.6%	922	11.5%	1,162	5.1%
Specialized Cargo Ships	809	5.5%	211	2.6%	1,020	4.5%
Container Ships	1,117	7.7%	1,888	23.6%	3,005	13.3%
Ro-Ro Cargo Ships	856	5.9%	337	4.2%	1,193	5.3%
Bulk Carriers	7,069	48.5%	2,106	26.3%	9,175	40.6%
Oil and Chemical Tankers	936	6.4%	869	10.9%	1,805	8.0%
Gas Tankers	1,426	9.8%	134	1.7%	1,560	6.9%
Other Tankers	29	0.2%			29	0.1%
Passenger Ships	495	3.4%	572	7.1%	1,067	4.7%
Offshore Vessels	1,256	8.6%	795	9.9%	2,051	9.1%
Service Ships	349	2.4%	55	0.7%	404	1.8%
Tugs						
Fishing Vessels			113	1.2%	113	0.2%
Total	14,582	100%	8,002	100%	22,584	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

25+ YEARS OLD VERY LARGE SHIPS

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

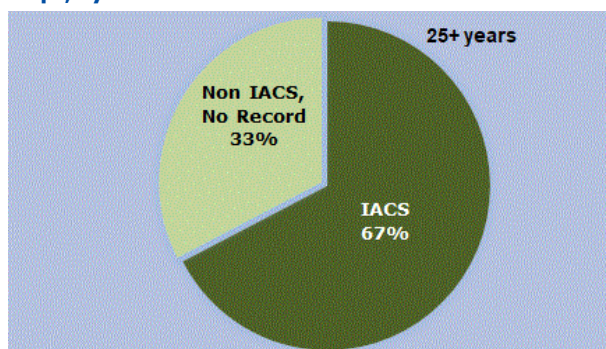
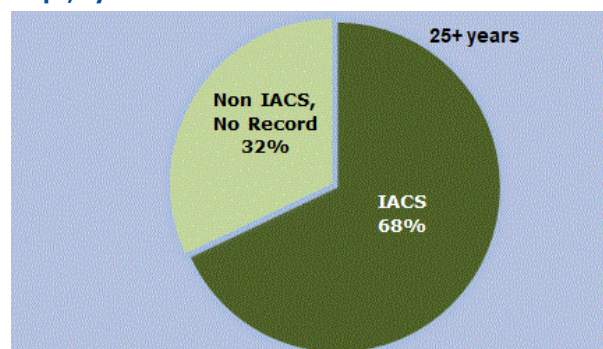
Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	13	10.7%			13	7.2%
Ro-Ro Cargo Ships	2	1.6%	1	1.7%	3	1.7%
Bulk Carriers	1	0.8%	1	1.7%	2	1.1%
Oil and Chemical Tankers	5	4.1%	9	15.3%	14	7.7%
Gas Tankers	27	22.1%	4	6.8%	31	17.1%
Other Tankers						
Passenger Ships	10	8.2%	5	8.5%	15	8.3%
Offshore Vessels	62	50.8%	38	64.4%	100	55.2%
Service Ships	2	1.6%	1	1.7%	3	1.7%
Tugs						
Fishing Vessels						
Total	122	100%	59	100%	181	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

Ship Type	IACS		Non IACS/No Record		Total	
	Count	%	Count	%	Count	%
General Cargo Ships						
Specialized Cargo Ships						
Container Ships	965	7.2%			965	4.9%
Ro-Ro Cargo Ships	134	1.0%	73	1.2%	207	1.0%
Bulk Carriers	146	1.1%	64	1.0%	210	1.1%
Oil and Chemical Tankers	462	3.4%	1,020	16.1%	1,482	7.5%
Gas Tankers	2,732	20.3%	444	7.0%	3,176	16.0%
Other Tankers						
Passenger Ships	758	5.6%	375	5.9%	1,133	5.7%
Offshore Vessels	8,072	59.9%	4,291	67.7%	12,363	62.4%
Service Ships	212	1.6%	71	1.1%	283	1.4%
Tugs						
Fishing Vessels						
Total	13,481	100%	6,338	100%	19,819	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

3.3. CLASS STATUS AND FLAG

WORLD FLEET GT≥500

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,593	20.6%	1,369	38.1%	2,962	2,883	10.7%	6,233	24.6%	9,116
Specialized Cargo Ships	38	0.5%	60	1.7%	98	165	0.6%	74	0.3%	239
Container Ships	621	8.0%	395	11.0%	1,016	2,831	10.5%	1,651	6.5%	4,482
Ro-Ro Cargo Ships	262	3.4%	89	2.5%	351	683	2.5%	384	1.5%	1,067
Bulk Carriers	2,802	36.3%	271	7.5%	3,073	7,527	28.0%	1,988	7.9%	9,515
Oil and Chemical Tankers	1,178	15.2%	438	12.2%	1,616	6,740	25.0%	3,974	15.7%	10,714
Gas Tankers	323	4.2%	37	1.0%	360	1,345	5.0%	464	1.8%	1,809
Other Tankers	78	1.0%	36	1.0%	114	354	1.3%	289	1.1%	643
Passenger Ships	54	0.7%	55	1.5%	109	338	1.3%	636	2.5%	974
Offshore Vessels	646	8.4%	369	10.3%	1,015	2,602	9.7%	1,935	7.6%	4,537
Service Ships	99	1.3%	174	4.8%	273	923	3.4%	1,840	7.3%	2,763
Tugs	29	0.4%	68	1.9%	97	416	1.5%	420	1.7%	836
Fishing Vessels	6	0.1%	234	6.5%	240	105	0.4%	5,421	21.4%	5,526
Total	7,729	100%	3,595	100%	11,324	26,912	100%	25,309	100%	52,221

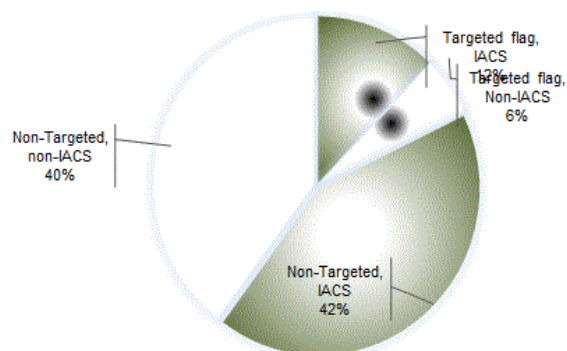
Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

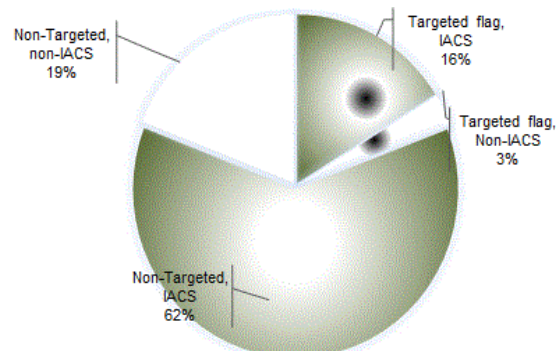
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	12,156	5.1%	5,559	12.5%	17,715	21,759	2.4%	22,299	8.0%	44,058
Specialized Cargo Ships	532	0.2%	312	0.7%	844	3,426	0.4%	878	0.3%	4,304
Container Ships	26,915	11.4%	18,615	41.7%	45,530	149,959	16.6%	70,394	25.2%	220,353
Ro-Ro Cargo Ships	11,874	5.0%	1,105	2.5%	12,979	25,965	2.9%	11,304	4.0%	37,269
Bulk Carriers	117,389	49.5%	6,291	14.1%	123,680	336,226	37.2%	49,157	17.6%	385,383
Oil and Chemical Tankers	45,166	19.1%	9,224	20.7%	54,390	255,108	28.2%	65,085	23.3%	320,193
Gas Tankers	12,492	5.3%	285	0.6%	12,777	63,192	7.0%	16,713	6.0%	79,905
Other Tankers	270	0.1%	100	0.2%	370	1,615	0.2%	590	0.2%	2,205
Passenger Ships	3,043	1.3%	233	0.5%	3,276	12,992	1.4%	10,693	3.8%	23,685
Offshore Vessels	6,447	2.7%	1,837	4.1%	8,284	28,141	3.1%	19,957	7.1%	48,098
Service Ships	649	0.3%	660	1.5%	1,309	5,738	0.6%	4,845	1.7%	10,583
Tugs	24	0.0%	58	0.1%	82	371	0.0%	359	0.1%	730
Fishing Vessels	19	0.0%	339	0.8%	358	263	0.0%	7,413	2.7%	7,676
Total	236,976	100%	44,618	100%	281,594	904,755	100%	279,687	100%	1,184,442

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

Graph 62 - Total number of ships GT≥500, by class and flag



Graph 63 - Gross tonnage of ships GT≥500, by class and flag



MEDIUM SIZED SHIPS

Table 65 - Total number of medium sized⁽¹⁾ ships by type, class and flag

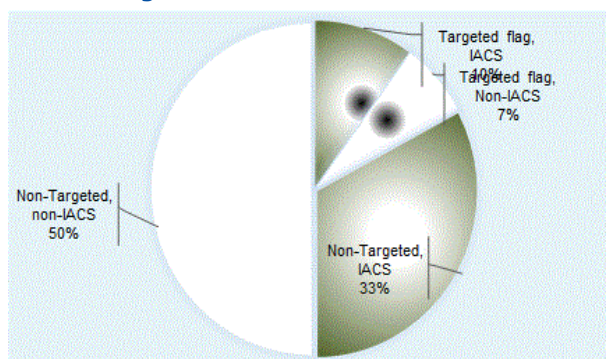
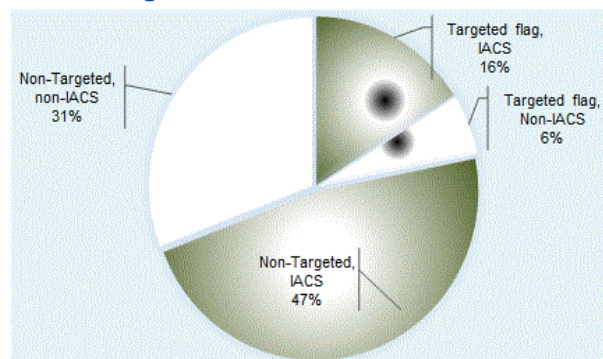
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,555	35.6%	1,365	43.3%	2,920	2,783	19.4%	6,111	27.9%	8,894
Specialized Cargo Ships	31	0.7%	59	1.9%	90	115	0.8%	61	0.3%	176
Container Ships	343	7.9%	187	5.9%	530	1,086	7.6%	699	3.2%	1,785
Ro-Ro Cargo Ships	57	1.3%	76	2.4%	133	256	1.8%	212	1.0%	468
Bulk Carriers	755	17.3%	178	5.6%	933	1,771	12.4%	1,143	5.2%	2,914
Oil and Chemical Tankers	652	14.9%	339	10.7%	991	3,257	22.7%	3,124	14.3%	6,381
Gas Tankers	150	3.4%	35	1.1%	185	696	4.9%	264	1.2%	960
Other Tankers	76	1.7%	36	1.1%	112	345	2.4%	284	1.3%	629
Passenger Ships	24	0.5%	52	1.6%	76	204	1.4%	545	2.5%	749
Offshore Vessels	595	13.6%	356	11.3%	951	2,404	16.8%	1,780	8.1%	4,184
Service Ships	93	2.1%	170	5.4%	263	895	6.2%	1,836	8.4%	2,731
Tugs	29	0.7%	68	2.2%	97	416	2.9%	420	1.9%	836
Fishing Vessels	6	0.1%	234	7.4%	240	105	0.7%	5,417	24.7%	5,522
Total	4,366	100%	3,155	100%	7,521	14,333	100%	21,896	100%	36,229

Source: Equasis - ⁽¹⁾ 500sGT<25.000 - IACS membership on 31/12/2021

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	10,865	28.6%	5,423	39.5%	16,288	18,463	16.5%	18,125	24.9%	36,588
Specialized Cargo Ships	256	0.7%	282	2.1%	538	1,224	1.1%	357	0.5%	1,581
Container Ships	4,376	11.5%	2,005	14.6%	6,381	13,722	12.3%	7,568	10.4%	21,290
Ro-Ro Cargo Ships	698	1.8%	492	3.6%	1,190	3,163	2.8%	1,736	2.4%	4,899
Bulk Carriers	12,824	33.8%	1,991	14.5%	14,815	30,776	27.5%	11,035	15.2%	41,811
Oil and Chemical Tankers	5,282	13.9%	1,476	10.7%	6,758	25,623	22.9%	12,627	17.3%	38,250
Gas Tankers	1,136	3.0%	191	1.4%	1,327	4,387	3.9%	1,551	2.1%	5,938
Other Tankers	213	0.6%	100	0.7%	313	1,360	1.2%	437	0.6%	1,797
Passenger Ships	130	0.3%	92	0.7%	222	1,108	1.0%	1,358	1.9%	2,466
Offshore Vessels	1,709	4.5%	787	5.7%	2,496	7,274	6.5%	5,697	7.8%	12,971
Service Ships	415	1.1%	499	3.6%	914	4,080	3.6%	4,690	6.4%	8,770
Tugs	24	0.1%	58	0.4%	82	371	0.3%	359	0.5%	730
Fishing Vessels	19		339		358	263	0.2%	7,271	10.0%	7,534
Total	37,947	100%	13,735	98%	51,682	111,814	100%	72,811	100%	184,625

Source: Equasis - ⁽¹⁾ 500sGT<25.000 - IACS membership on 31/12/2021

Graph 64 - Total number of medium sized ships, by class and flag**Graph 65 - Gross tonnage of medium sized ships, by class and flag**

LARGE SHIPS

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

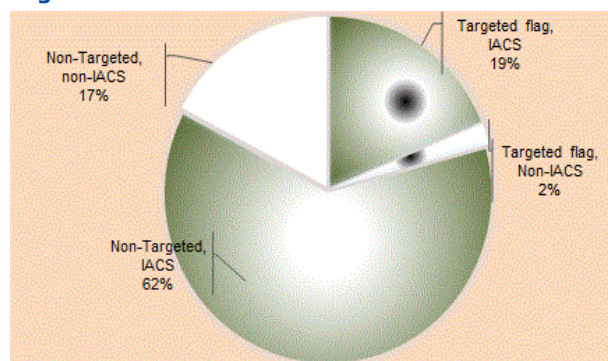
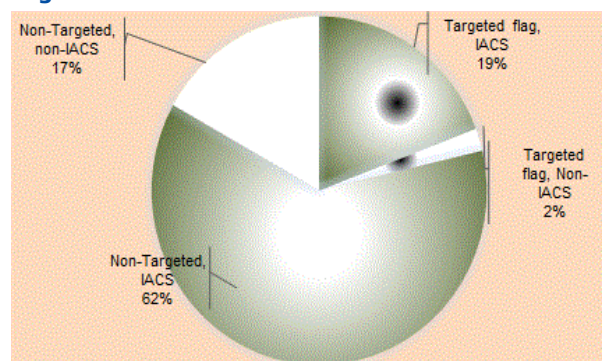
Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	38	1.6%	4	1.5%	42	100	1.3%	122	5.5%	222
Specialized Cargo Ships	7	0.3%	1	0.4%	8	43	0.5%	13	0.6%	56
Container Ships	139	5.8%	117	44.2%	256	805	10.2%	568	25.6%	1,373
Ro-Ro Cargo Ships	144	6.0%	12	4.5%	156	279	3.5%	114	5.1%	393
Bulk Carriers	1,619	67.5%	73	27.5%	1,692	4,405	55.6%	745	33.6%	5,150
Oil and Chemical Tankers	306	12.8%	44	16.6%	350	1,942	24.5%	481	21.7%	2,423
Gas Tankers	119	5.0%	2	0.8%	121	210	2.7%	102	4.6%	312
Other Tankers	2	0.1%			2	9	0.1%	5	0.2%	14
Passenger Ships	3	0.1%	3	1.1%	6	44	0.6%	21	0.9%	65
Offshore Vessels	16	0.7%	5	1.9%	21	57	0.7%	41	1.8%	98
Service Ships	5	0.2%	4	1.5%	9	23	0.3%	3	0.1%	26
Tugs										
Fishing Vessels								4		4
Total	2,398	100%	265	100%	2,663	7,917	100%	2,219	100%	10,136

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

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

Ship Type	Targeted flag					Non Targeted flag				
	IACS		Non IACS/No Record		Total	IACS		Non IACS/No Record		Total
General Cargo Ships	1,291	1.4%	136	1.4%	1,427	3,296	1.1%	4,174	5.2%	7,470
Specialized Cargo Ships	276	0.3%	30	0.3%	306	1,692	0.6%	521	0.6%	2,213
Container Ships	5,007	5.4%	4,363	43.6%	9,370	30,627	10.3%	20,774	25.6%	51,401
Ro-Ro Cargo Ships	7,194	7.8%	541	5.4%	7,735	12,813	4.3%	5,569	6.9%	18,382
Bulk Carriers	61,777	66.7%	2,552	25.5%	64,329	166,279	55.8%	26,253	32.4%	192,532
Oil and Chemical Tankers	10,957	11.8%	1,734	17.3%	12,691	68,210	22.9%	16,343	20.2%	84,553
Gas Tankers	5,175	5.6%	94	0.9%	5,269	9,308	3.1%	4,327	5.3%	13,635
Other Tankers	57	0.1%			57	255	0.1%	153	0.2%	408
Passenger Ships	97	0.1%	141	1.4%	238	1,828	0.6%	812	1.0%	2,640
Offshore Vessels	664	0.7%	257	2.6%	921	2,657	0.9%	1,879	2.3%	4,536
Service Ships	173	0.2%	161	1.6%	334	837	0.3%	84	0.1%	921
Tugs										
Fishing Vessels								142		142
Total	92,668	100%	10,009	100%	102,677	297,802	100%	81,031	100%	378,833

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000 - IACS membership on 31/12/2021

Graph 66 - Total number of large ships, by class and flag**Graph 67 - Gross tonnage of large ships, by class and flag**

VERY LARGE SHIPS

Table 69 - Total number of very large⁽¹⁾ ships by type, class and flag

Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships										
Specialized Cargo Ships				7	0.2%	7				
Container Ships	139	14.4%	91	52.0%	230	940	20.2%	384	32.2%	1,324
Ro-Ro Cargo Ships	61	6.3%	1	0.6%	62	148	3.2%	58	4.9%	206
Bulk Carriers	428	44.4%	20	11.4%	448	1,351	29.0%	100	8.4%	1,451
Oil and Chemical Tankers	220	22.8%	55	31.4%	275	1,541	33.1%	369	30.9%	1,910
Gas Tankers	54	5.6%			54	439	9.4%	98	8.2%	537
Other Tankers										
Passenger Ships	27	2.8%			27	90	1.9%	70	5.9%	160
Offshore Vessels	35	3.6%	8	4.6%	43	141	3.0%	114	9.5%	255
Service Ships	1	0.1%			1	5	0.1%	1	0.1%	6
Tugs										
Fishing Vessels										
Total	965	100%	175	100%	1,140	4,662	100%	1,194	100%	5,856

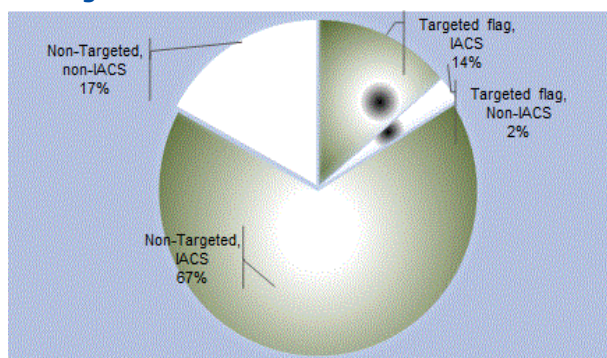
Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2021

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

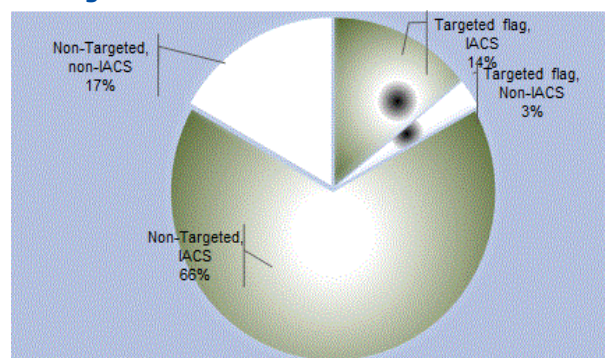
Ship Type	Targeted flag			Non Targeted flag						
	IACS	Non IACS/No Record	Total	IACS	Non IACS/No Record	Total				
General Cargo Ships										
Specialized Cargo Ships				510	0.1%	510				
Container Ships	17,532	16.5%	12,247	58.7%	29,779	105,610	21.3%	42,052	33.4%	147,662
Ro-Ro Cargo Ships	3,982	3.7%	72	0.3%	4,054	9,989	2.0%	3,999	3.2%	13,988
Bulk Carriers	42,788	40.2%	1,748	8.4%	44,536	139,171	28.1%	11,869	9.4%	151,040
Oil and Chemical Tankers	28,927	27.2%	6,014	28.8%	34,941	161,275	32.6%	36,115	28.7%	197,390
Gas Tankers	6,181	5.8%			6,181	49,497	10.0%	10,835	8.6%	60,332
Other Tankers										
Passenger Ships	2,816	2.6%			2,816	10,056	2.0%	8,523	6.8%	18,579
Offshore Vessels	4,074	3.8%	793	3.8%	4,867	18,210	3.7%	12,381	9.8%	30,591
Service Ships	61	0.1%			61	821	0.2%	71	0.1%	892
Tugs										
Fishing Vessels										
Total	106,361	100%	20,874	100%	127,235	495,139	100%	125,845	100%	620,984

Source: Equasis - ⁽¹⁾GT≥60.000 - IACS membership on 31/12/2021

Graph 68 - Total number of very large ships, by class and flag



Graph 69 - Gross tonnage of very large ships, by class and flag



3.4. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 71 - World fleet GT≥500 detention rates^(*), by type and class - 2021

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.14%	4.31%	3.61%
Specialized Cargo Ships	2.08%	3.86%	2.82%
Container Ships	1.46%	1.40%	1.44%
Ro-Ro Cargo Ships	1.25%	4.52%	2.18%
Bulk Carriers	1.79%	2.59%	1.87%
Oil and Chemical Tankers	1.05%	0.84%	1.01%
Gas Tankers	0.68%	0.24%	0.59%
Other Tankers	1.63%	2.27%	1.71%
Passenger Ships	0.78%	0.00%	0.49%
Offshore Vessels	2.36%	1.18%	1.83%
Service Ships	2.68%	2.00%	2.47%
Tugs	3.70%	0.00%	2.50%
Fishing Ships	0.00%	1.22%	1.11%
Total	1.80%	2.69%	2.01%

Source: Equasis - IACS membership on 31/12/2021 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

MEDIUM SIZED SHIPS

Table 72 - Medium sized⁽¹⁾ ships detention rates^(*), by type and class - 2021

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	3.26%	4.50%	3.75%
Specialized Cargo Ships	2.69%	4.23%	3.40%
Container Ships	1.96%	2.36%	2.09%
Ro-Ro Cargo Ships	5.99%	13.07%	9.38%
Bulk Carriers	2.53%	3.18%	2.63%
Oil and Chemical Tankers	1.39%	1.74%	1.45%
Gas Tankers	1.11%	0.60%	1.02%
Other Tankers	1.74%	3.33%	1.89%
Passenger Ships	2.44%	0.00%	1.63%
Offshore Vessels	2.54%	1.27%	1.97%
Service Ships	2.31%	2.04%	2.23%
Tugs	3.70%	0.00%	2.50%
Fishing Ships	0.00%	1.27%	1.15%
Total	2.52%	3.79%	2.89%

Source: Equasis - IACS membership on 31/12/2021 - ^(*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

LARGE SHIPS

Table 73 - Large⁽¹⁾ ships detention rates^(*), by type and class - 2021

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships	0.00%	0.99%	0.48%
Specialized Cargo Ships	0.00%	0.00%	0.00%
Container Ships	1.24%	1.59%	1.40%
Ro-Ro Cargo Ships	0.46%	1.12%	0.62%
Bulk Carriers	1.37%	2.14%	1.43%
Oil and Chemical Tankers	0.94%	0.23%	0.80%
Gas Tankers	0.31%	0.00%	0.22%
Other Tankers	0.00%	0.00%	0.00%
Passenger Ships	0.00%	0.00%	0.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships	12.50%	0.00%	10.00%
Tugs			
Fishing Ships		0.00%	0.00%
Total	1.20%	1.29%	1.22%

Source: Equasis - IACS membership on 31/12/2021 - (*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU and Caribbean MoU divided by total number of inspections

VERY LARGE SHIPS

Table 74 - Very large⁽¹⁾ ships detention rates^(*), by type and class -2021

Ship Type	IACS	Non IACS/No Record	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	1.14%	0.27%	0.85%
Ro-Ro Cargo Ships	0.58%	0.00%	0.43%
Bulk Carriers	2.10%	1.66%	2.07%
Oil and Chemical Tankers	0.49%	0.28%	0.45%
Gas Tankers	0.24%	0.00%	0.19%
Other Tankers			
Passenger Ships	0.00%	0.00%	0.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships			
Tugs			
Fishing Ships			
Total	1.19%	0.34%	1.00%

Source: Equasis - IACS membership on 31/12/2021 - (*) Detentions in Paris MoU, Tokyo MoU, IO MoU, USCG, VDM, Med MoU, Caribbean MoU divided by total number of inspections

Chapter 4

4. P&I Clubs and Insurance Companies

INTRODUCTION

Protection and Indemnity (P&I) Clubs provide third-party insurance cover to ship owners. Thirteen P&I Clubs of the International Group (IGP&I) provide to Equasis information on all of the vessels with IMO numbers insured by them. Some of the Clubs have affiliated and reinsured subsidiary associations:

1. American Steamship Owners Mutual Protection and Indemnity Association, Inc.
2. Assuranceforeningen Gard – Norway,
3. Assuranceforeningen Skuld – Norway,
4. Britannia Steam Ship Insurance Association Limited (The),
5. The Japan Ship Owners' Mutual Protection & Indemnity Association,
6. The London Steam-Ship Owners' Mutual Insurance Association Limited,
7. The North of England Protecting & Indemnity Association Limited,
8. The Shipowners' Mutual Protection & Indemnity Association (Luxembourg),
9. The Standard Club Ltd,
10. The Steamship Mutual Underwriting Association (Bermuda) Limited,
11. The Swedish Club,
12. United Kingdom Mutual Steam Ship Assurance Association (Bermuda) Limited, and
13. The West of England Ship Owners Mutual Insurance Association (Luxembourg).

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

The following tables show the proportion of the fleet, in each ship size and ship type, which is registered with the clubs in the IGP&I (column headed IGP&I), compared

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

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

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

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

RESULTS

Graph 70 indicates that for vessels over 500GT in Equasis, for which data has been supplied, 58% are covered by one of the members of the IGP&I. This rises to 88% by tonnage representing a 3% reduction when compared to 2020.

Graphs 74,75, 76 and 77 show that 91% of the large ships and 92% of the very large ship size categories are covered by the members of the IGP&I. Within the medium sized ship category (Graph 72) just under a half (42%) are covered by number, which equates to 67% in tonnage (Graph 73).

The comparison between Graph 78 and Graph 86 reveals that the age profile of ships covered by the members of the IGP&I is considerably younger than those which are not. Graph 78 shows that 13% of the IGP&I fleet is under 5 years old and only 10% is over 25 years old.

In table 83 it can be noted that within the younger fleet (0-4 years of age) the

majority of ships insured by IGP&I are bulk carriers (33.6%).

In table 87 this trend is more marked in the large bulk carrier size category of the younger fleet (59.7%).

For non-IGP&I members the trend is reversed, as it can be seen in table 91, where only 10.8% of the bulk carrier fleet under 5 years old being insured by non-IGP&I members and in table 95 in which 51.6% of the fleet over 25 years old are bulk carriers. Table 91 shows that 34.3% of the older fleet insured by non-IGP&I members are general cargo ships.

Table 107 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2021 compared to the one of those that are members (5.07% compared to 1.42%, respectively).

4.1. P&I STATUS

WORLD FLEET GT≥500

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

Ship Type	IGP&I		Non IGP&I		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	4,053	11.1%	8,025	29.8%	12,078	19.0%
Specialized Cargo Ships	184	0.5%	153	0.6%	337	0.5%
Container Ships	4,363	11.9%	1,135	4.2%	5,498	8.7%
Ro-Ro Cargo Ships	1,029	2.8%	389	1.4%	1,418	2.2%
Bulk Carriers	10,441	28.5%	2,147	8.0%	12,588	19.8%
Oil and Chemical Tankers	8,380	22.9%	3,950	14.7%	12,330	19.4%
Gas Tankers	1,733	4.7%	436	1.6%	2,169	3.4%
Other Tankers	358	1.0%	399	1.5%	757	1.2%
Passenger Ships	523	1.4%	560	2.1%	1,083	1.7%
Offshore Vessels	3,411	9.3%	2,141	7.9%	5,552	8.7%
Service Ships	777	2.1%	2,259	8.4%	3,036	4.8%
Tugs	417	1.1%	516	1.9%	933	1.5%
Fishing Vessels	933	2.5%	4,833	17.9%	5,766	9.1%
Total	36,602	100%	26,943	100%	63,545	100%

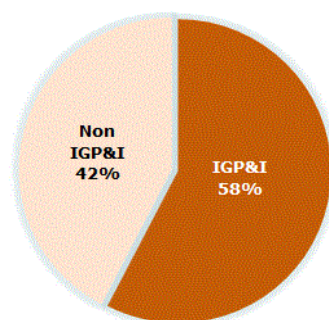
Source: Equasis

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

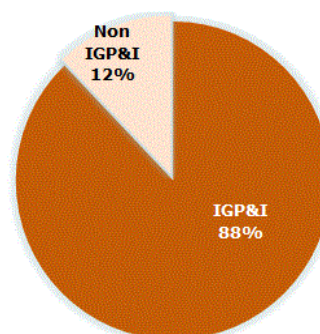
Ship Type	IGP&I		Non IGP&I		Total	
	Count	%	Count	%	Count	%
General Cargo Ships	37,933	2.9%	23,841	13.4%	61,774	4.2%
Specialized Cargo Ships	3,963	0.3%	1,186	0.7%	5,149	0.4%
Container Ships	226,027	17.5%	39,856	22.4%	265,883	18.1%
Ro-Ro Cargo Ships	46,400	3.6%	3,849	2.2%	50,249	3.4%
Bulk Carriers	476,111	37.0%	32,952	18.5%	509,063	34.7%
Oil and Chemical Tankers	328,604	25.5%	45,978	25.9%	374,582	25.6%
Gas Tankers	89,246	6.9%	3,437	1.9%	92,683	6.3%
Other Tankers	1,971	0.2%	604	0.3%	2,575	0.2%
Passenger Ships	25,380	2.0%	1,579	0.9%	26,959	1.8%
Offshore Vessels	44,765	3.5%	11,618	6.5%	56,383	3.8%
Service Ships	5,482	0.4%	6,409	3.6%	11,891	0.8%
Tugs	374	0.0%	438	0.2%	812	0.1%
Fishing Vessels	1,926	0.1%	6,108	3.4%	8,034	0.5%
Total	1,288,182	100%	177,855	100%	1,466,037	100%

Source: Equasis

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



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



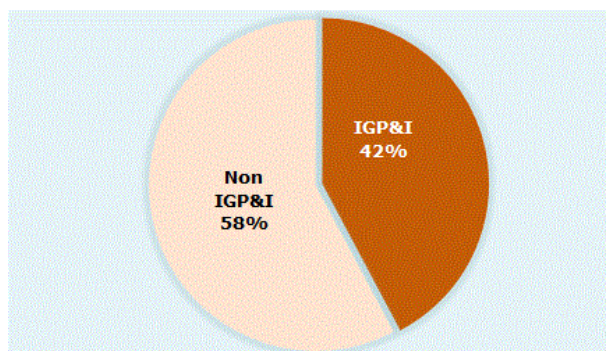
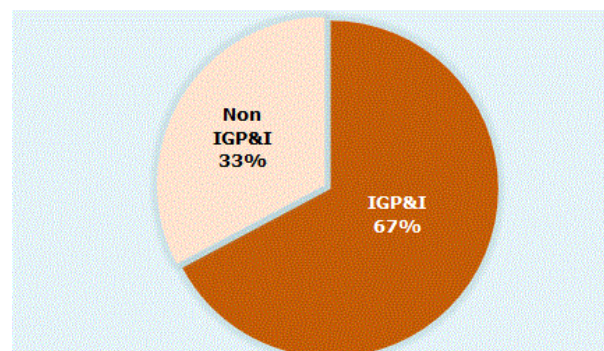
MEDIUM SIZED SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	3,802	20.6%	8,012	31.7%	11,814	27.0%
Specialized Cargo Ships	123	0.7%	143	0.6%	266	0.6%
Container Ships	1,633	8.8%	682	2.7%	2,315	5.3%
Ro-Ro Cargo Ships	236	1.3%	365	1.4%	601	1.4%
Bulk Carriers	2,270	12.3%	1,577	6.2%	3,847	8.8%
Oil and Chemical Tankers	3,869	20.9%	3,503	13.9%	7,372	16.9%
Gas Tankers	749	4.1%	396	1.6%	1,145	2.6%
Other Tankers	342	1.8%	399	1.6%	741	1.7%
Passenger Ships	271	1.5%	554	2.2%	825	1.9%
Offshore Vessels	3,096	16.7%	2,039	8.1%	5,135	11.7%
Service Ships	746	4.0%	2,248	8.9%	2,994	6.8%
Tugs	417	2.3%	516	2.0%	933	2.1%
Fishing Vessels	933	5.0%	4,829	19.1%	5,762	13.2%
Total	18,487	100%	25,263	100%	43,750	100%

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	29,421	18.5%	23,456	30.3%	52,877	22.4%
Specialized Cargo Ships	1,391	0.9%	728	0.9%	2,119	0.9%
Container Ships	21,616	13.6%	6,055	7.8%	27,671	11.7%
Ro-Ro Cargo Ships	3,338	2.1%	2,751	3.6%	6,089	2.6%
Bulk Carriers	42,750	26.9%	13,876	17.9%	56,626	24.0%
Oil and Chemical Tankers	33,974	21.4%	11,034	14.3%	45,008	19.0%
Gas Tankers	6,229	3.9%	1,035	1.3%	7,264	3.1%
Other Tankers	1,506	0.9%	604	0.8%	2,110	0.9%
Passenger Ships	1,328	0.8%	1,359	1.8%	2,687	1.1%
Offshore Vessels	11,293	7.1%	4,176	5.4%	15,469	6.5%
Service Ships	3,731	2.3%	5,953	7.7%	9,684	4.1%
Tugs	374	0.2%	438	0.6%	812	0.3%
Fishing Vessels	1,926	1.2%	5,966	7.7%	7,892	3.3%
Total	158,877	100%	77,431	100%	236,308	100%

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

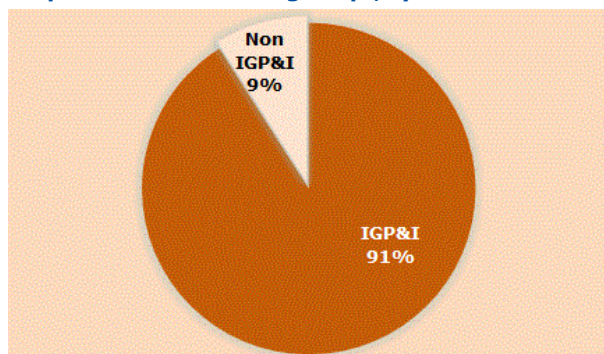
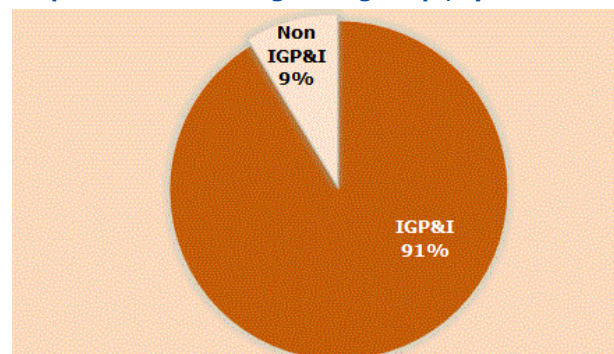
LARGE SHIPS

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	251	2.2%	13	1.1%	264	2.1%
Specialized Cargo Ships	57	0.5%	7	0.6%	64	0.5%
Container Ships	1,382	11.9%	247	21.5%	1,629	12.7%
Ro-Ro Cargo Ships	527	4.5%	22	1.9%	549	4.3%
Bulk Carriers	6,280	53.9%	562	48.8%	6,842	53.5%
Oil and Chemical Tankers	2,564	22.0%	209	18.2%	2,773	21.7%
Gas Tankers	403	3.5%	30	2.6%	433	3.4%
Other Tankers	16	0.1%			16	0.1%
Passenger Ships	65	0.6%	6	0.5%	71	0.6%
Offshore Vessels	78	0.7%	41	3.6%	119	0.9%
Service Ships	25	0.2%	10	0.9%	35	0.3%
Tugs						
Fishing Vessels			4	0.3%	4	0.0%
Total	11,648	100%	1,151	100%	12,799	100%

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

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships	8,512	1.9%	385	0.9%	8,897	1.8%
Specialized Cargo Ships	2,262	0.5%	257	0.6%	2,519	0.5%
Container Ships	51,335	11.7%	9,436	22.4%	60,771	12.6%
Ro-Ro Cargo Ships	25,164	5.7%	953	2.3%	26,117	5.4%
Bulk Carriers	238,428	54.3%	18,433	43.8%	256,861	53.3%
Oil and Chemical Tankers	88,571	20.2%	8,673	20.6%	97,244	20.2%
Gas Tankers	17,594	4.0%	1,311	3.1%	18,905	3.9%
Other Tankers	465	0.1%			465	0.1%
Passenger Ships	2,657	0.6%	220	0.5%	2,877	0.6%
Offshore Vessels	3,540	0.8%	1,916	4.5%	5,456	1.1%
Service Ships	870	0.2%	385	0.9%	1,255	0.3%
Tugs						
Fishing Vessels			142	0.3%	142	0.0%
Total	439,398	100%	42,111	100%	481,509	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 74 - Number of large ships, by P&I status****Graph 75 - Gross tonnage of large ships, by P&I status**

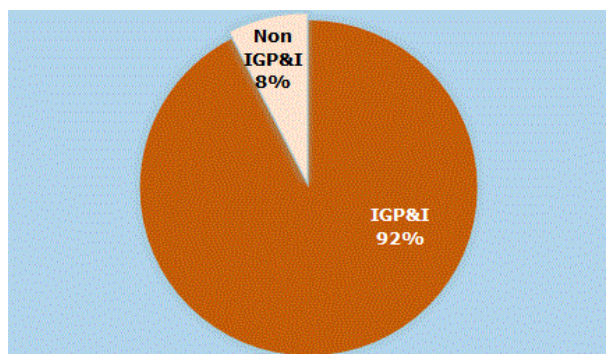
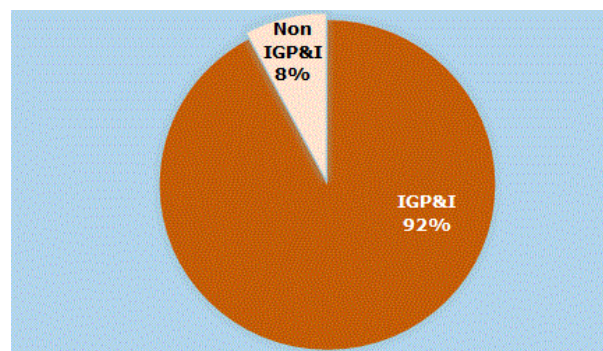
VERY LARGE SHIPS

Table 81 - P&I status : total number of very large⁽¹⁾ ships, by type

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	4	0.1%	3	0.6%	7	0.1%
Container Ships	1,348	20.8%	206	38.9%	1,554	22.2%
Ro-Ro Cargo Ships	266	4.1%	2	0.4%	268	3.8%
Bulk Carriers	1,891	29.2%	8	1.5%	1,899	27.1%
Oil and Chemical Tankers	1,947	30.1%	238	45.0%	2,185	31.2%
Gas Tankers	581	9.0%	10	1.9%	591	8.4%
Other Tankers						
Passenger Ships	187	2.9%			187	2.7%
Offshore Vessels	237	3.7%	61	11.5%	298	4.3%
Service Ships	6	0.1%	1	0.2%	7	0.1%
Tugs						
Fishing Vessels						
Total	6,467	100%	529	100%	6,996	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Table 82 - P&I status : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type**

Ship Type	IGP&I		Non IGP&I		Total	
General Cargo Ships						
Specialized Cargo Ships	310	0.0%	201	0.3%	511	0.1%
Container Ships	153,076	22.2%	24,365	41.8%	177,441	23.7%
Ro-Ro Cargo Ships	17,898	2.6%	145	0.2%	18,043	2.4%
Bulk Carriers	194,933	28.3%	643	1.1%	195,576	26.1%
Oil and Chemical Tankers	206,059	29.9%	26,271	45.1%	232,330	31.1%
Gas Tankers	65,423	9.5%	1,091	1.9%	66,514	8.9%
Other Tankers						
Passenger Ships	21,395	3.1%			21,395	2.9%
Offshore Vessels	29,932	4.3%	5,526	9.5%	35,458	4.7%
Service Ships	881	0.1%	71	0.1%	952	0.1%
Tugs						
Fishing Vessels						
Total	689,907	100%	58,313	100%	748,220	100%

Source: Equasis - ⁽¹⁾GT≥60.000**Graph 76 - Number of very large ships, by P&I status****Graph 77 - Gross tonnage of very large ships, by P&I status**

4.2. IGP&I AND AGE

WORLD FLEET GT≥500

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

Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	296	6.3%	1,778	9.3%	1,070	11.8%	909	24.5%	4,053	11.1%
Specialized Cargo Ships	29	0.6%	98	0.5%	27	0.3%	30	0.8%	184	0.5%
Container Ships	505	10.8%	1,876	9.8%	1,674	18.4%	308	8.3%	4,363	11.9%
Ro-Ro Cargo Ships	71	1.5%	489	2.6%	365	4.0%	104	2.8%	1,029	2.8%
Bulk Carriers	1,576	33.6%	6,644	34.8%	1,825	20.1%	396	10.7%	10,441	28.5%
Oil and Chemical Tankers	1,324	28.2%	4,189	21.9%	2,478	27.2%	389	10.5%	8,380	22.9%
Gas Tankers	357	7.6%	840	4.4%	389	4.3%	147	4.0%	1,733	4.7%
Other Tankers	43	0.9%	218	1.1%	43	0.5%	54	1.5%	358	1.0%
Passenger Ships	87	1.9%	105	0.5%	152	1.7%	179	4.8%	523	1.4%
Offshore Vessels	225	4.8%	2,220	11.6%	675	7.4%	291	7.9%	3,411	9.3%
Service Ships	56	1.2%	258	1.4%	144	1.6%	319	8.6%	777	2.1%
Tugs	41	0.9%	202	1.1%	78	0.9%	96	2.6%	417	1.1%
Fishing Vessels	86	1.8%	189	1.0%	174	1.9%	484	13.1%	933	2.5%
Total	4,696	100%	19,106	100%	9,094	100%	3,706	100%	36,602	100%

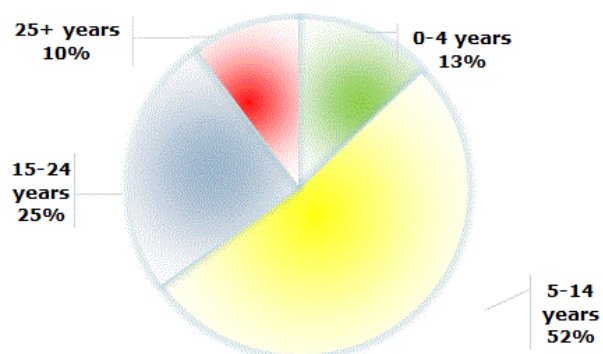
Source: Equasis

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

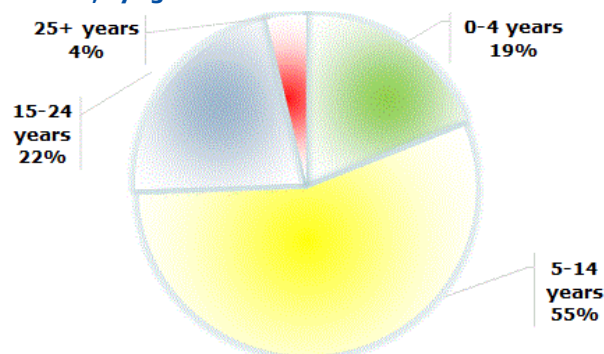
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	3,756	1.5%	20,815	2.9%	8,739	3.1%	4,623	9.6%	37,933	2.9%
Specialized Cargo Ships	570	0.2%	1,923	0.3%	583	0.2%	886	1.8%	3,962	0.3%
Container Ships	41,738	17.1%	117,306	16.4%	60,517	21.5%	6,468	13.4%	226,029	17.5%
Ro-Ro Cargo Ships	3,876	1.6%	25,020	3.5%	15,329	5.4%	2,176	4.5%	46,401	3.6%
Bulk Carriers	87,228	35.8%	305,726	42.8%	73,949	26.3%	9,207	19.0%	476,110	37.0%
Oil and Chemical Tankers	68,550	28.1%	174,182	24.4%	83,300	29.6%	2,571	5.3%	328,603	25.5%
Gas Tankers	26,531	10.9%	40,689	5.7%	17,685	6.3%	4,340	9.0%	89,245	6.9%
Other Tankers	277	0.1%	1,246	0.2%	302	0.1%	146	0.3%	1,971	0.2%
Passenger Ships	5,997	2.5%	8,541	1.2%	8,135	2.9%	2,708	5.6%	25,381	2.0%
Offshore Vessels	4,628	1.9%	16,344	2.3%	11,082	3.9%	12,712	26.3%	44,766	3.5%
Service Ships	542	0.2%	2,092	0.3%	1,326	0.5%	1,522	3.1%	5,482	0.4%
Tugs	40	0.0%	183	0.0%	69	0.0%	82	0.2%	374	0.0%
Fishing Vessels	223	0.1%	416	0.1%	326	0.1%	961	2.0%	1,926	0.1%
Total	243,956	100%	714,483	100%	281,342	100%	48,402	100%	1,288,183	100%

Source: Equasis

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



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



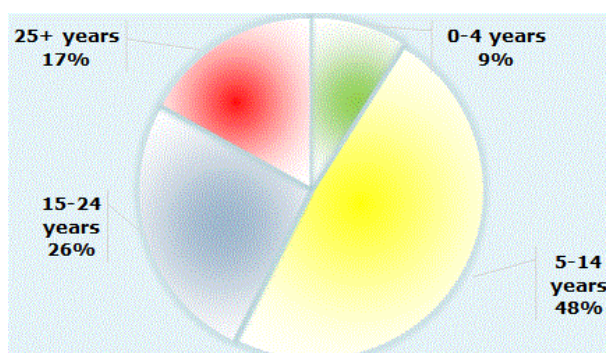
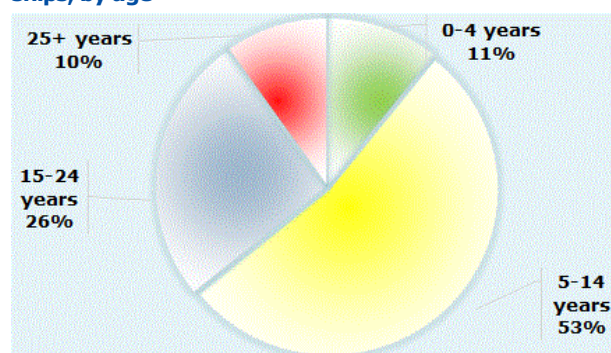
MEDIUM SIZED SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	259	15.6%	1,641	18.3%	1,026	21.6%	876	28.0%	3,802	20.6%
Specialized Cargo Ships	20	1.2%	77	0.9%	17	0.4%	9	0.3%	123	0.7%
Container Ships	165	9.9%	537	6.0%	709	14.9%	222	7.1%	1,633	8.8%
Ro-Ro Cargo Ships	7	0.4%	47	0.5%	103	2.2%	79	2.5%	236	1.3%
Bulk Carriers	223	13.4%	1,463	16.3%	370	7.8%	214	6.8%	2,270	12.3%
Oil and Chemical Tankers	457	27.5%	1,800	20.1%	1,250	26.3%	362	11.6%	3,869	20.9%
Gas Tankers	75	4.5%	380	4.2%	194	4.1%	100	3.2%	749	4.1%
Other Tankers	40	2.4%	210	2.3%	39	0.8%	53	1.7%	342	1.8%
Passenger Ships	42	2.5%	30	0.3%	55	1.2%	144	4.6%	271	1.5%
Offshore Vessels	197	11.8%	2,127	23.8%	593	12.5%	179	5.7%	3,096	16.7%
Service Ships	52	3.1%	248	2.8%	137	2.9%	309	9.9%	746	4.0%
Tugs	41	2.5%	202	2.3%	78	1.6%	96	3.1%	417	2.3%
Fishing Vessels	86	5.2%	189	2.1%	174	3.7%	484	15.5%	933	5.0%
Total	1,664	100%	8,951	100%	4,745	100%	3,127	100%	18,487	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	2,366	13.8%	16,178	19.1%	7,323	17.7%	3,553	22.8%	29,420	18.5%
Specialized Cargo Ships	164	1.0%	968	1.1%	176	0.4%	84	0.5%	1,392	0.9%
Container Ships	2,491	14.6%	7,273	8.6%	9,020	21.8%	2,832	18.1%	21,616	13.6%
Ro-Ro Cargo Ships	66	0.4%	724	0.9%	1,646	4.0%	902	5.8%	3,338	2.1%
Bulk Carriers	4,728	27.7%	29,033	34.2%	6,191	15.0%	2,798	17.9%	42,750	26.9%
Oil and Chemical Tankers	4,395	25.7%	15,928	18.8%	12,173	29.4%	1,477	9.5%	33,973	21.4%
Gas Tankers	701	4.1%	3,604	4.3%	1,455	3.5%	468	3.0%	6,228	3.9%
Other Tankers	199	1.2%	1,014	1.2%	176	0.4%	117	0.7%	1,506	0.9%
Passenger Ships	331	1.9%	82	0.1%	213	0.5%	703	4.5%	1,329	0.8%
Offshore Vessels	983	5.8%	8,016	9.5%	1,706	4.1%	588	3.8%	11,293	7.1%
Service Ships	401	2.3%	1,375	1.6%	914	2.2%	1,041	6.7%	3,731	2.3%
Tugs	40	0.2%	183	0.2%	69	0.2%	82	0.5%	374	0.2%
Fishing Vessels	223	1.3%	416	0.5%	326	0.8%	961	6.2%	1,926	1.2%
Total	17,088	100%	84,794	100%	41,388	100%	15,606	100%	158,876	100%

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

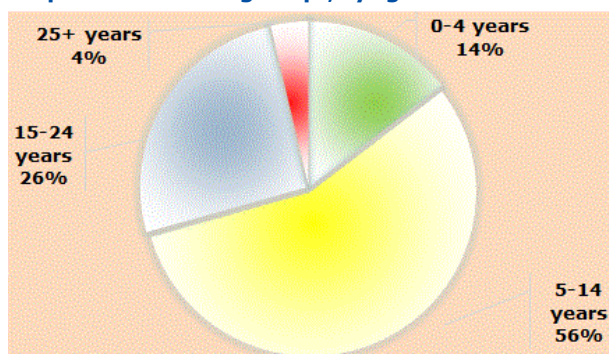
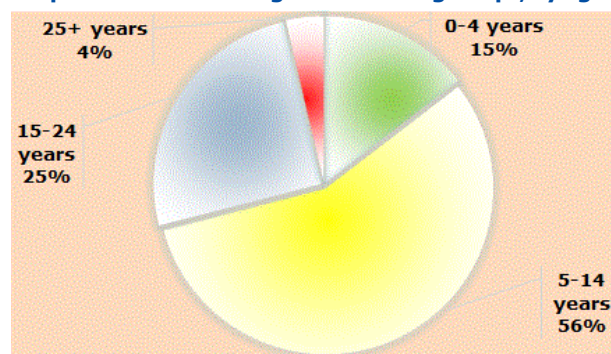
LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	37	2.2%	137	2.1%	44	1.5%	33	7.7%	251	2.2%
Specialized Cargo Ships	8	0.5%	18	0.3%	10	0.3%	21	4.9%	57	0.5%
Container Ships	131	7.7%	588	9.0%	590	19.7%	73	17.1%	1,382	11.9%
Ro-Ro Cargo Ships	20	1.2%	281	4.3%	204	6.8%	22	5.2%	527	4.5%
Bulk Carriers	1,011	59.7%	3,906	59.8%	1,182	39.4%	181	42.4%	6,280	53.9%
Oil and Chemical Tankers	368	21.7%	1,315	20.1%	857	28.6%	24	5.6%	2,564	22.0%
Gas Tankers	99	5.8%	225	3.4%	63	2.1%	16	3.7%	403	3.5%
Other Tankers	3	0.2%	8	0.1%	4	0.1%	1	0.2%	16	0.1%
Passenger Ships	12	0.7%	12	0.2%	21	0.7%	20	4.7%	65	0.6%
Offshore Vessels			32	0.5%	18	0.6%	28	6.6%	78	0.7%
Service Ships	4	0.2%	9	0.1%	4	0.1%	8	1.9%	25	0.2%
Tugs										
Fishing Vessels										
Total	1,693	100%	6,531	100%	2,997	100%	427	100%	11,648	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,390	2.2%	4,637	1.9%	1,416	1.3%	1,070	6.7%	8,513	1.9%
Specialized Cargo Ships	334	0.5%	718	0.3%	407	0.4%	802	5.0%	2,261	0.5%
Container Ships	4,126	6.5%	23,109	9.3%	21,430	19.2%	2,671	16.6%	51,336	11.7%
Ro-Ro Cargo Ships	822	1.3%	13,326	5.4%	9,950	8.9%	1,067	6.6%	25,165	5.7%
Bulk Carriers	40,282	63.2%	149,155	60.1%	42,728	38.3%	6,263	39.0%	238,428	54.3%
Oil and Chemical Tankers	11,624	18.2%	44,897	18.1%	31,180	27.9%	869	5.4%	88,570	20.2%
Gas Tankers	4,367	6.9%	9,857	4.0%	2,673	2.4%	697	4.3%	17,594	4.0%
Other Tankers	78	0.1%	232	0.1%	126	0.1%	29	0.2%	465	0.1%
Passenger Ships	549	0.9%	509	0.2%	727	0.7%	872	5.4%	2,657	0.6%
Offshore Vessels			1,304	0.5%	786	0.7%	1,451	9.0%	3,541	0.8%
Service Ships	141	0.2%	314	0.1%	146	0.1%	269	1.7%	870	0.2%
Tugs										
Fishing Vessels										
Total	63,713	100%	248,058	100%	111,569	100%	16,060	100%	439,400	100%

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 82 - IGP&I large ships, by age****Graph 83 - Gross tonnage of IGP&I large ships, by age**

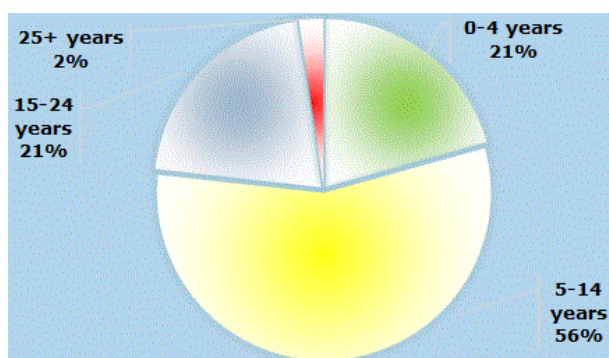
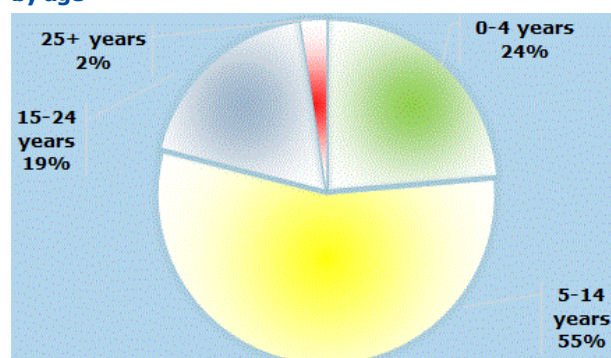
VERY LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	1	0.1%	3	0.1%					4	0.1%
Container Ships	209	15.6%	751	20.7%	375	27.7%	13	8.6%	1,348	20.8%
Ro-Ro Cargo Ships	44	3.3%	161	4.4%	58	4.3%	3	2.0%	266	4.1%
Bulk Carriers	342	25.5%	1,275	35.2%	273	20.2%	1	0.7%	1,891	29.2%
Oil and Chemical Tankers	499	37.3%	1,074	29.6%	371	27.4%	3	2.0%	1,947	30.1%
Gas Tankers	183	13.7%	235	6.5%	132	9.8%	31	20.4%	581	9.0%
Other Tankers										
Passenger Ships	33	2.5%	63	1.7%	76	5.6%	15	9.9%	187	2.9%
Offshore Vessels	28	2.1%	61	1.7%	64	4.7%	84	55.3%	237	3.7%
Service Ships			1	0.0%	3	0.2%	2	1.3%	6	0.1%
Tugs										
Fishing Vessels										
Total	1,339	100%	3,624	100%	1,352	100%	152	100%	6,467	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	72	0.0%	237	0.1%					309	0.0%
Container Ships	35,121	21.5%	86,924	22.8%	30,067	23.4%	965	5.8%	153,077	22.2%
Ro-Ro Cargo Ships	2,988	1.8%	10,970	2.9%	3,733	2.9%	207	1.2%	17,898	2.6%
Bulk Carriers	42,218	25.9%	127,538	33.4%	25,030	19.5%	146	0.9%	194,932	28.3%
Oil and Chemical Tankers	52,531	32.2%	113,357	29.7%	39,947	31.1%	225	1.3%	206,060	29.9%
Gas Tankers	21,463	13.2%	27,228	7.1%	13,557	10.6%	3,175	19.0%	65,423	9.5%
Other Tankers										
Passenger Ships	5,117	3.1%	7,950	2.1%	7,195	5.6%	1,133	6.8%	21,395	3.1%
Offshore Vessels	3,645	2.2%	7,024	1.8%	8,590	6.7%	10,673	63.8%	29,932	4.3%
Service Ships			403	0.1%	266	0.2%	212	1.3%	881	0.1%
Tugs										
Fishing Vessels										
Total	163,155	100%	381,631	100%	128,385	100%	16,736	100%	689,907	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Graph 84 - IGP&I very large ships, by age****Graph 85 - Gross tonnage of IGP&I very large ships, by age**

4.3. NON IGP&I AND AGE

WHOLE FLEET GT≥500

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

Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	347	14.8%	1,506	24.3%	1,410	31.1%	4,762	34.3%	8,025	29.8%
Specialized Cargo Ships	13	0.6%	16	0.3%	4	0.1%	120	0.9%	153	0.6%
Container Ships	187	8.0%	422	6.8%	344	7.6%	182	1.3%	1,135	4.2%
Ro-Ro Cargo Ships	33	1.4%	60	1.0%	75	1.7%	221	1.6%	389	1.4%
Bulk Carriers	252	10.8%	858	13.9%	441	9.7%	596	4.3%	2,147	8.0%
Oil and Chemical Tankers	352	15.0%	930	15.0%	806	17.8%	1,862	13.4%	3,950	14.7%
Gas Tankers	47	2.0%	79	1.3%	74	1.6%	236	1.7%	436	1.6%
Other Tankers	29	1.2%	96	1.5%	36	0.8%	238	1.7%	399	1.5%
Passenger Ships	59	2.5%	84	1.4%	102	2.2%	315	2.3%	560	2.1%
Offshore Vessels	126	5.4%	636	10.3%	371	8.2%	1,008	7.3%	2,141	7.9%
Service Ships	193	8.2%	593	9.6%	303	6.7%	1,170	8.4%	2,259	8.4%
Tugs	35	1.5%	81	1.3%	42	0.9%	358	2.6%	516	1.9%
Fishing Vessels	670	28.6%	833	13.4%	526	11.6%	2,804	20.2%	4,833	17.9%
Total	2,343	100%	6,194	100%	4,534	100%	13,872	100%	26,943	100%

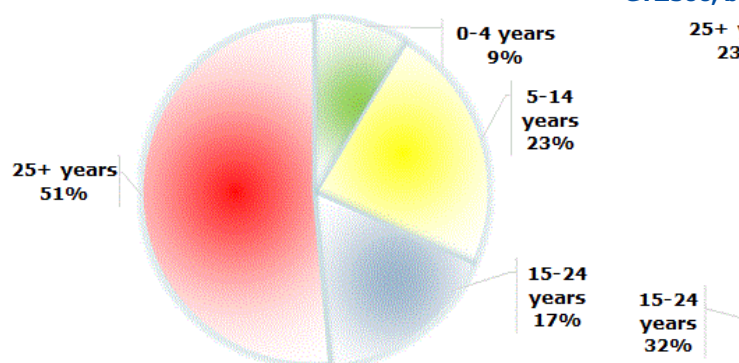
Source: Equasis

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

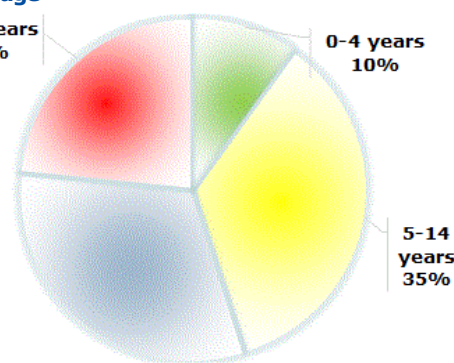
Ship Type	0-4		5-14		15-24		25+		Total	
	Count	%	Count	%	Count	%	Count	%	Count	%
General Cargo Ships	1,118	6.3%	5,088	8.1%	5,562	9.9%	12,072	29.0%	23,840	13.4%
Specialized Cargo Ships	212	1.2%	178	0.3%	30	0.1%	767	1.8%	1,187	0.7%
Container Ships	5,214	29.6%	22,592	36.1%	10,779	19.2%	1,271	3.1%	39,856	22.4%
Ro-Ro Cargo Ships	396	2.2%	796	1.3%	1,217	2.2%	1,439	3.5%	3,848	2.2%
Bulk Carriers	4,301	24.4%	13,894	22.2%	8,011	14.3%	6,745	16.2%	32,951	18.5%
Oil and Chemical Tankers	2,918	16.6%	10,650	17.0%	25,970	46.3%	6,440	15.5%	45,978	25.9%
Gas Tankers	505	2.9%	822	1.3%	627	1.1%	1,484	3.6%	3,438	1.9%
Other Tankers	45	0.3%	185	0.3%	87	0.2%	286	0.7%	603	0.3%
Passenger Ships	140	0.8%	190	0.3%	232	0.4%	1,018	2.4%	1,580	0.9%
Offshore Vessels	852	4.8%	4,833	7.7%	2,206	3.9%	3,729	9.0%	11,620	6.5%
Service Ships	813	4.6%	2,179	3.5%	747	1.3%	2,670	6.4%	6,409	3.6%
Tugs	37	0.2%	70	0.1%	35	0.1%	296	0.7%	438	0.2%
Fishing Vessels	1,079	6.1%	1,065	1.7%	561	1.0%	3,401	8.2%	6,106	3.4%
Total	17,630	100%	62,542	100%	56,064	100%	41,618	100%	177,854	100%

Source: Equasis

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



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



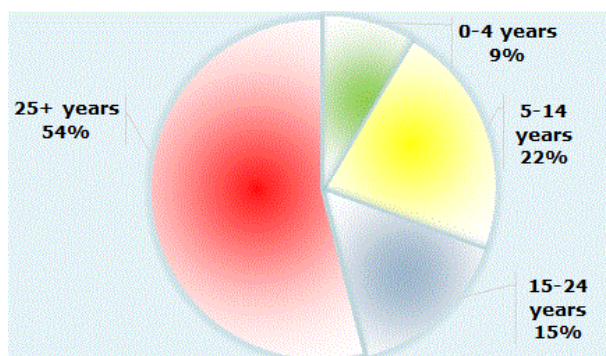
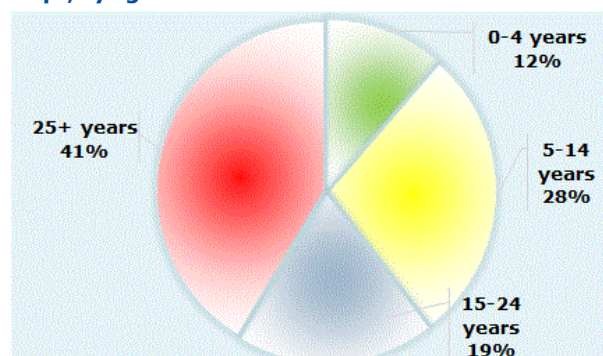
MEDIUM SIZED SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	347	16.0%	1,504	27.1%	1,402	36.2%	4,759	34.8%	8,012	31.7%
Specialized Cargo Ships	10	0.5%	15	0.3%	4	0.1%	114	0.8%	143	0.6%
Container Ships	130	6.0%	183	3.3%	196	5.1%	173	1.3%	682	2.7%
Ro-Ro Cargo Ships	33	1.5%	53	1.0%	61	1.6%	218	1.6%	365	1.4%
Bulk Carriers	181	8.3%	625	11.2%	272	7.0%	499	3.7%	1,577	6.2%
Oil and Chemical Tankers	327	15.0%	843	15.2%	506	13.1%	1,827	13.4%	3,503	13.9%
Gas Tankers	42	1.9%	72	1.3%	66	1.7%	216	1.6%	396	1.6%
Other Tankers	29	1.3%	96	1.7%	36	0.9%	238	1.7%	399	1.6%
Passenger Ships	59	2.7%	83	1.5%	102	2.6%	310	2.3%	554	2.2%
Offshore Vessels	122	5.6%	582	10.5%	357	9.2%	978	7.2%	2,039	8.1%
Service Ships	190	8.7%	589	10.6%	303	7.8%	1,166	8.5%	2,248	8.9%
Tugs	35	1.6%	81	1.5%	42	1.1%	358	2.6%	516	2.0%
Fishing Vessels	669	30.8%	833	15.0%	526	13.6%	2,801	20.5%	4,829	19.1%
Total	2,174	100%	5,559	100%	3,873	100%	13,657	100%	25,263	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Table 94 - Non IGP&I : gross tonnage (in 1000 gt) of medium size⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships	1,118	12.6%	5,017	23.1%	5,340	36.1%	11,980	37.4%	23,455	30.3%
Specialized Cargo Ships	38	0.4%	111	0.5%	30	0.2%	550	1.7%	729	0.9%
Container Ships	1,727	19.5%	1,746	8.0%	1,646	11.1%	936	2.9%	6,055	7.8%
Ro-Ro Cargo Ships	396	4.5%	488	2.2%	553	3.7%	1,314	4.1%	2,751	3.6%
Bulk Carriers	1,528	17.2%	6,286	28.9%	2,294	15.5%	3,768	11.8%	13,876	17.9%
Oil and Chemical Tankers	1,467	16.6%	2,960	13.6%	2,360	15.9%	4,247	13.3%	11,034	14.3%
Gas Tankers	66	0.7%	146	0.7%	203	1.4%	621	1.9%	1,036	1.3%
Other Tankers	45	0.5%	185	0.9%	87	0.6%	286	0.9%	603	0.8%
Passenger Ships	140	1.6%	165	0.8%	232	1.6%	823	2.6%	1,360	1.8%
Offshore Vessels	528	6.0%	1,484	6.8%	724	4.9%	1,440	4.5%	4,176	5.4%
Service Ships	718	8.1%	2,025	9.3%	747	5.0%	2,463	7.7%	5,953	7.7%
Tugs	37	0.4%	70	0.3%	35	0.2%	296	0.9%	438	0.6%
Fishing Vessels	1,051	11.9%	1,065	4.9%	561	3.8%	3,288	10.3%	5,965	7.7%
Total	8,859	100%	21,748	100%	14,812	100%	32,012	100%	77,431	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 88 - Non IGP&I medium sized ships, by age****Graph 89 - Gross tonnage of non IGP&I medium sized ships, by age**

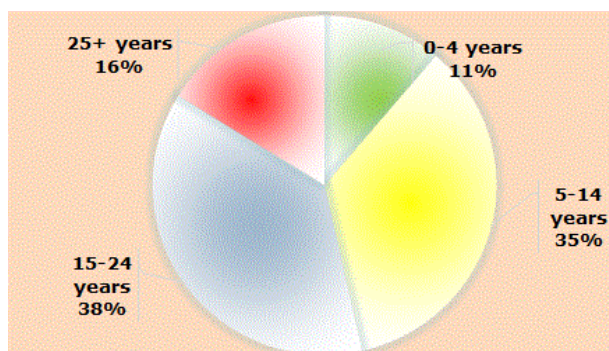
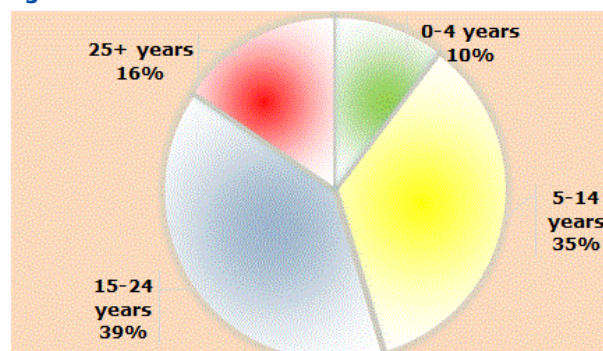
LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships			2	0.5%	8	1.9%	3	1.6%	13	1.1%
Specialized Cargo Ships	1	0.8%					6	3.2%	7	0.6%
Container Ships	43	33.3%	108	26.6%	87	20.2%	9	4.8%	247	21.5%
Ro-Ro Cargo Ships			5	1.2%	14	3.3%	3	1.6%	22	1.9%
Bulk Carriers	67	51.9%	231	56.9%	168	39.1%	96	51.6%	562	48.8%
Oil and Chemical Tankers	12	9.3%	28	6.9%	145	33.7%	24	12.9%	209	18.2%
Gas Tankers	1	0.8%	2	0.5%	7	1.6%	20	10.8%	30	2.6%
Other Tankers										
Passenger Ships			1	0.2%			5	2.7%	6	0.5%
Offshore Vessels	1	0.8%	25	6.2%	1	0.2%	14	7.5%	41	3.6%
Service Ships	3	2.3%	4	1.0%			3	1.6%	10	0.9%
Tugs										
Fishing Vessels	1	0.1%					3	0.1%	4	0.0%
Total	129	99%	406	100%	430	100%	186	98%	1,151	100%

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships			71	0.5%	222	1.3%	92	1.4%	385	0.9%
Specialized Cargo Ships	40	0.9%					217	3.3%	257	0.6%
Container Ships	1,313	30.0%	4,397	29.9%	3,391	20.5%	335	5.1%	9,436	22.4%
Ro-Ro Cargo Ships			163	1.1%	664	4.0%	125	1.9%	952	2.3%
Bulk Carriers	2,453	56.1%	7,439	50.6%	5,627	34.1%	2,913	44.6%	18,432	43.8%
Oil and Chemical Tankers	386	8.8%	1,121	7.6%	6,231	37.7%	936	14.3%	8,674	20.6%
Gas Tankers	27	0.6%	92	0.6%	330	2.0%	863	13.2%	1,312	3.1%
Other Tankers										
Passenger Ships			25	0.2%			195	3.0%	220	0.5%
Offshore Vessels	29	0.7%	1,246	8.5%	42	0.3%	600	9.2%	1,917	4.6%
Service Ships	95	2.2%	154	1.0%			136	2.1%	385	0.9%
Tugs										
Fishing Vessels	28	0.6%					113	1.7%	141	0.3%
Total	4,371	100%	14,708	100%	16,507	100%	6,525	100%	42,111	100%

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

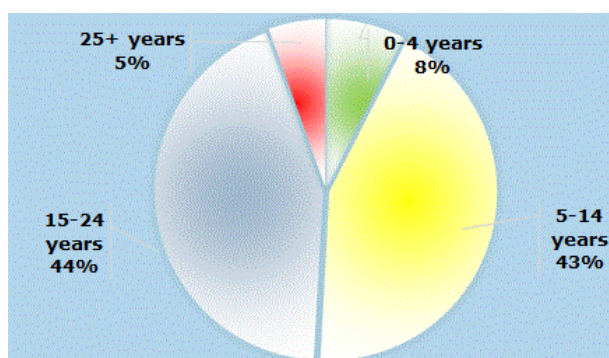
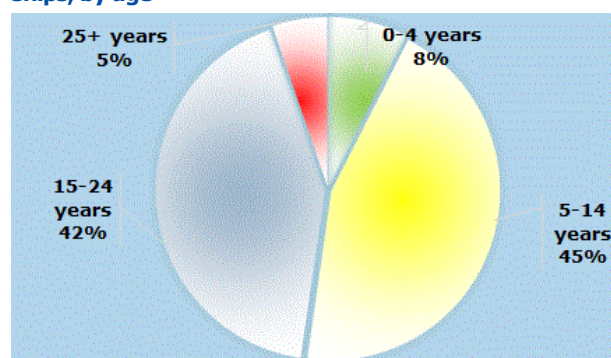
VERY LARGE SHIPS

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

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	2	5.0%	1	0.4%					3	0.6%
Container Ships	14	35.0%	131	57.2%	61	26.4%			206	38.9%
Ro-Ro Cargo Ships			2	0.9%					2	0.4%
Bulk Carriers	4	10.0%	2	0.9%	1	0.4%	1	3.4%	8	1.5%
Oil and Chemical Tankers	13	32.5%	59	25.8%	155	67.1%	11	37.9%	238	45.0%
Gas Tankers	4	10.0%	5	2.2%	1	0.4%			10	1.9%
Other Tankers										
Passenger Ships										
Offshore Vessels	3	7.5%	29	12.7%	13	5.6%	16	55.2%	61	11.5%
Service Ships							1	3.4%	1	0.2%
Tugs										
Fishing Vessels										
Total	40	100%	229	100%	231	100%	29	100%	529	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Table 98 - Non IGP&I : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and age**

Ship Type	0-4		5-14		15-24		25+		Total	
General Cargo Ships										
Specialized Cargo Ships	134	3.0%	67	0.3%					201	0.3%
Container Ships	2,174	49.4%	16,449	63.1%	5,742	23.2%			24,365	41.8%
Ro-Ro Cargo Ships			145	0.6%					145	0.2%
Bulk Carriers	320	7.3%	169	0.6%	90	0.4%	64	2.1%	643	1.1%
Oil and Chemical Tankers	1,065	24.2%	6,569	25.2%	17,379	70.2%	1,257	40.8%	26,270	45.1%
Gas Tankers	412	9.4%	584	2.2%	94	0.4%			1,090	1.9%
Other Tankers										
Passenger Ships										
Offshore Vessels	295	6.7%	2,103	8.1%	1,440	5.8%	1,689	54.8%	5,527	9.5%
Service Ships							71	2.3%	71	0.1%
Tugs										
Fishing Vessels										
Total	4,400	100%	26,086	100%	24,745	100%	3,081	100%	58,312	100%

Source: Equasis - ⁽¹⁾ GT≥60.000**Graph 92 - Non IGP&I very large ships, by age****Graph 93 - Gross tonnage of non IGP&I very large ships, by age**

4.4. P&I AND FLAG

WORLD FLEET GT≥500

Table 99 - P&I world fleet GT≥500 status : total number of ships, by type and flag

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	1,254	17.0%	1,708	43.5%	2,962	2,799	9.6%	6,317	27.4%	9,116
Specialized Cargo Ships	17	0.2%	81	2.1%	98	167	0.6%	72	0.3%	239
Container Ships	874	11.8%	142	3.6%	1,016	3,489	11.9%	993	4.3%	4,482
Ro-Ro Cargo Ships	245	3.3%	106	2.7%	351	784	2.7%	283	1.2%	1,067
Bulk Carriers	2,717	36.7%	356	9.1%	3,073	7,724	26.4%	1,791	7.8%	9,515
Oil and Chemical Tankers	1,101	14.9%	515	13.1%	1,616	7,279	24.9%	3,435	14.9%	10,714
Gas Tankers	286	3.9%	74	1.9%	360	1,447	5.0%	362	1.6%	1,809
Other Tankers	50	0.7%	64	1.6%	114	308	1.1%	335	1.5%	643
Passenger Ships	44	0.6%	65	1.7%	109	479	1.6%	495	2.2%	974
Offshore Vessels	617	8.3%	398	10.1%	1,015	2,794	9.6%	1,743	7.6%	4,537
Service Ships	110	1.5%	163	4.2%	273	667	2.3%	2,096	9.1%	2,763
Tugs	34	0.5%	63	1.6%	97	383	1.3%	453	2.0%	836
Fishing Vessels	48	0.6%	192	4.9%	240	885	3.0%	4,641	20.2%	5,526
Total	7,397	100%	3,927	100%	11,324	29,205	100%	23,016	100%	52,221

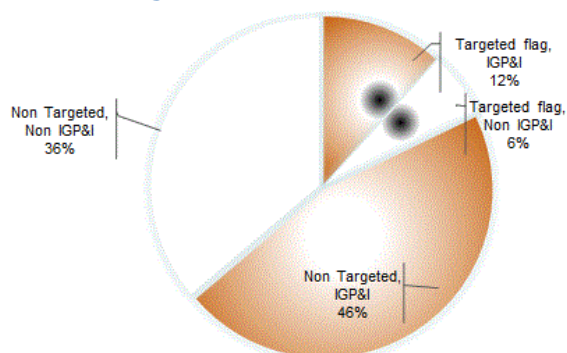
Source: Equasis

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

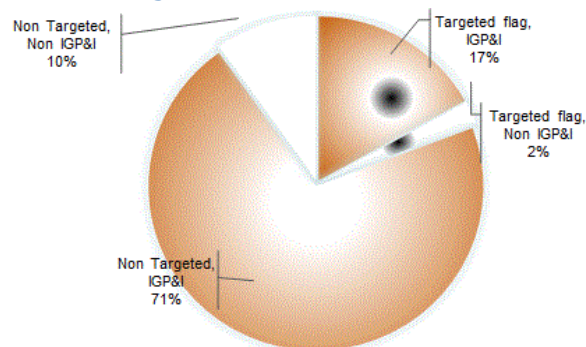
Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	11,684	4.7%	6,030	18.0%	17,714	26,250	2.5%	17,809	12.3%	44,059
Specialized Cargo Ships	296	0.1%	548	1.6%	844	3,666	0.4%	638	0.4%	4,304
Container Ships	43,056	17.4%	2,474	7.4%	45,530	182,972	17.6%	37,383	25.9%	220,355
Ro-Ro Cargo Ships	11,641	4.7%	1,338	4.0%	12,979	34,759	3.3%	2,510	1.7%	37,269
Bulk Carriers	118,135	47.6%	5,544	16.6%	123,679	357,975	34.4%	27,408	19.0%	385,383
Oil and Chemical Tankers	41,098	16.6%	13,291	39.7%	54,389	287,506	27.6%	32,688	22.6%	320,194
Gas Tankers	11,337	4.6%	1,439	4.3%	12,776	77,908	7.5%	1,998	1.4%	79,906
Other Tankers	266	0.1%	104	0.3%	370	1,705	0.2%	500	0.3%	2,205
Passenger Ships	2,977	1.2%	300	0.9%	3,277	22,405	2.2%	1,280	0.9%	23,685
Offshore Vessels	6,604	2.7%	1,681	5.0%	8,285	38,161	3.7%	9,938	6.9%	48,099
Service Ships	894	0.4%	415	1.2%	1,309	4,589	0.4%	5,994	4.2%	10,583
Tugs	33	0.0%	49	0.1%	82	341	0.0%	389	0.3%	730
Fishing Vessels	109	0.0%	249	0.7%	358	1,817	0.2%	5,858	4.1%	7,675
Total	248,130	100%	33,462	100%	281,592	1,040,054	100%	144,393	100%	1,184,447

Source: Equasis

Graph 94 - Total number of ships GT≥500, by P&I status and flag



Graph 95 - Gross tonnage of ships GT≥500, by P&I status and flag



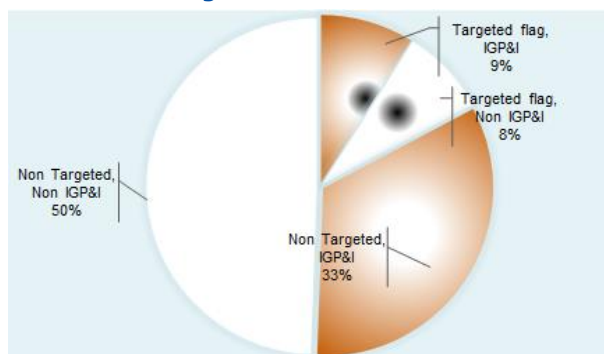
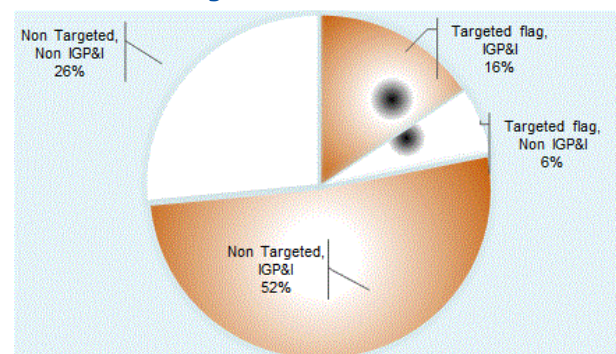
MEDIUM SIZED SHIPS

Table 101 - P&I status : total number of medium sized⁽¹⁾ ships, by type and flag

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	1,215	31.2%	1,705	47.0%	2,920	2,587	17.7%	6,307	29.2%	8,894
Specialized Cargo Ships	14	0.4%	76	2.1%	90	109	0.7%	67	0.3%	176
Container Ships	410	10.5%	120	3.3%	530	1,223	8.4%	562	2.6%	1,785
Ro-Ro Cargo Ships	41	1.1%	92	2.5%	133	195	1.3%	273	1.3%	468
Bulk Carriers	649	16.7%	284	7.8%	933	1,621	11.1%	1,293	6.0%	2,914
Oil and Chemical Tankers	616	15.8%	375	10.3%	991	3,253	22.3%	3,128	14.5%	6,381
Gas Tankers	134	3.4%	51	1.4%	185	615	4.2%	345	1.6%	960
Other Tankers	48	1.2%	64	1.8%	112	294	2.0%	335	1.5%	629
Passenger Ships	15	0.4%	61	1.7%	76	256	1.8%	493	2.3%	749
Offshore Vessels	566	14.6%	385	10.6%	951	2,530	17.3%	1,654	7.6%	4,184
Service Ships	100	2.6%	163	4.5%	263	646	4.4%	2,085	9.6%	2,731
Tugs	34	0.9%	63	1.7%	97	383	2.6%	453	2.1%	836
Fishing Vessels	48	1.2%	192	5.3%	240	885	6.1%	4,637	21.4%	5,522
Total	3,890	100%	3,631	100%	7,521	14,597	100%	21,632	100%	36,229

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

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships	10,358	28.1%	5,930	39.9%	16,288	19,064	15.6%	17,525	28.0%	36,589
Specialized Cargo Ships	174	0.5%	364	2.5%	538	1,217	1.0%	364	0.6%	1,581
Container Ships	5,411	14.7%	969	6.5%	6,380	16,205	13.3%	5,086	8.1%	21,291
Ro-Ro Cargo Ships	570	1.5%	620	4.2%	1,190	2,768	2.3%	2,131	3.4%	4,899
Bulk Carriers	11,559	31.4%	3,256	21.9%	14,815	31,191	25.6%	10,620	17.0%	41,811
Oil and Chemical Tankers	5,067	13.8%	1,691	11.4%	6,758	28,907	23.7%	9,343	14.9%	38,250
Gas Tankers	1,007	2.7%	319	2.1%	1,326	5,222	4.3%	716	1.1%	5,938
Other Tankers	209	0.6%	104	0.7%	313	1,297	1.1%	500	0.8%	1,797
Passenger Ships	89	0.2%	134	0.9%	223	1,240	1.0%	1,226	2.0%	2,466
Offshore Vessels	1,750	4.8%	747	5.0%	2,497	9,543	7.8%	3,429	5.5%	12,972
Service Ships	499	1.4%	415	2.8%	914	3,232	2.6%	5,538	8.8%	8,770
Tugs	33	0.1%	49	0.3%	82	341	0.3%	389	0.6%	730
Fishing Vessels	109	0.3%	249	1.7%	358	1,817	1.5%	5,716	9.1%	7,533
Total	36,835	100%	14,847	100%	51,682	122,044	100%	62,583	100%	184,627

Source: Equasis - ⁽¹⁾ 500≤GT<25.000**Graph 96 - Total number of medium sized ships, by P&I status and flag****Graph 97 - Gross tonnage of medium sized ships, by P&I status and flag**

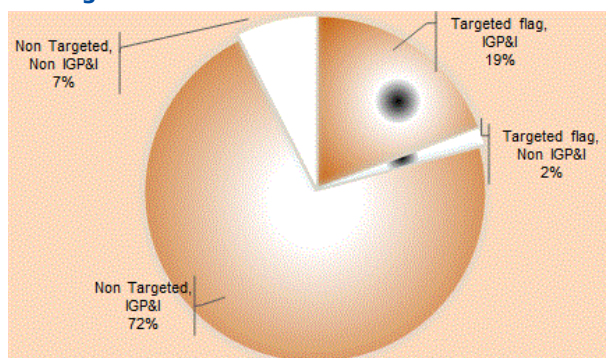
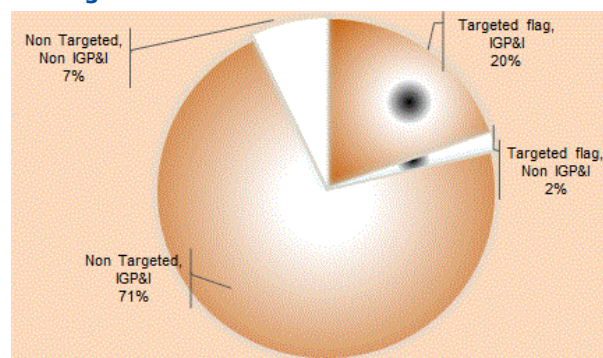
LARGE SHIPS

Table 103 - P&I status : total number of large⁽¹⁾ ships, by type and flag

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	39	1.6%	3	1.5%	42	212	2.3%	10	1.0%	222
Specialized Cargo Ships	3	0.1%	5	2.6%	8	54	0.6%	2	0.2%	56
Container Ships	240	9.7%	16	8.2%	256	1,142	12.4%	231	24.2%	1,373
Ro-Ro Cargo Ships	143	5.8%	13	6.6%	156	384	4.2%	9	0.9%	393
Bulk Carriers	1,621	65.7%	71	36.2%	1,692	4,659	50.7%	491	51.4%	5,150
Oil and Chemical Tankers	294	11.9%	56	28.6%	350	2,270	24.7%	153	16.0%	2,423
Gas Tankers	99	4.0%	22	11.2%	121	304	3.3%	8	0.8%	312
Other Tankers	2	0.1%			2	14	0.2%			14
Passenger Ships	2	0.1%	4	2.0%	6	63	0.7%	2	0.2%	65
Offshore Vessels	15	0.6%	6	3.1%	21	63	0.7%	35	3.7%	98
Service Ships	9	0.4%			9	16	0.2%	10	1.0%	26
Tugs										
Fishing Vessels								4	0.0%	4
Total	2,467	100%	196	100%	2,663	9,181	100%	955	100%	10,136

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

Ship Type	Targeted flag					Non Targeted flag				
	IGP&I		Non IGP&I		Total	IGP&I		Non IGP&I		Total
General Cargo Ships	1,326	1.4%	100	1.3%	1,426	7,186	2.1%	284	0.8%	7,470
Specialized Cargo Ships	122	0.1%	184	2.4%	306	2,139	0.6%	73	0.2%	2,212
Container Ships	8,742	9.2%	628	8.1%	9,370	42,593	12.4%	8,808	25.6%	51,401
Ro-Ro Cargo Ships	7,089	7.5%	646	8.3%	7,735	18,075	5.2%	307	0.9%	18,382
Bulk Carriers	62,147	65.5%	2,181	28.1%	64,328	176,281	51.2%	16,252	47.3%	192,533
Oil and Chemical Tankers	10,092	10.6%	2,599	33.5%	12,691	78,479	22.8%	6,075	17.7%	84,554
Gas Tankers	4,278	4.5%	991	12.8%	5,269	13,315	3.9%	320	0.9%	13,635
Other Tankers	57	0.1%			57	408	0.1%			408
Passenger Ships	72	0.1%	166	2.1%	238	2,586	0.8%	54	0.2%	2,640
Offshore Vessels	647	0.7%	274	3.5%	921	2,893	0.8%	1,642	4.8%	4,535
Service Ships	334	0.4%			334	536	0.2%	385	1.1%	921
Tugs										
Fishing Vessels								142	0.2%	142
Total	94,906	100%	7,769	100%	102,675	344,491	100%	34,342	100%	378,833

Source: Equasis - ⁽¹⁾ 25.000≤GT<60.000**Graph 98 - Total number of large ships, by P&I status and flag****Graph 99 - Gross tonnage of large ships, by P&I status and flag**

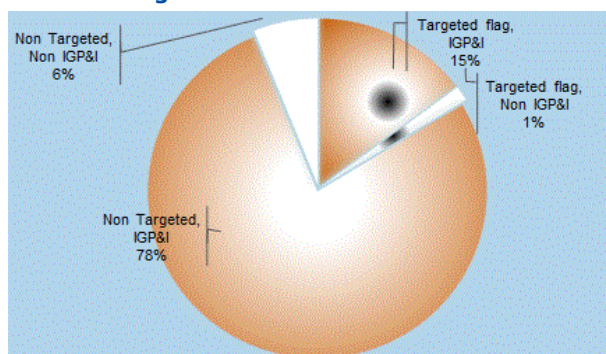
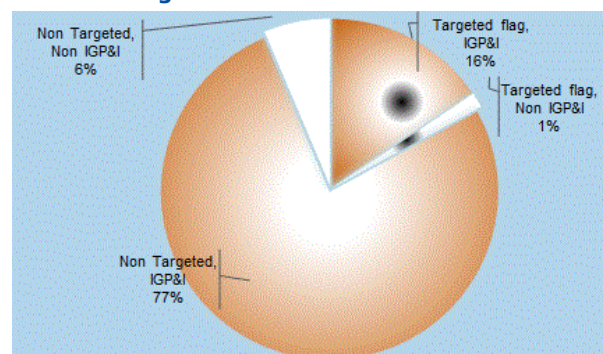
VERY LARGE SHIPS

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

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships										
Specialized Cargo Ships				4	0.1%	3	7			
Container Ships	224	21.5%	6	6.0%	230	1,124	20.7%	200	1,324	
Ro-Ro Cargo Ships	61	5.9%	1	1.0%	62	205	3.8%	1	206	
Bulk Carriers	447	43.0%	1	1.0%	448	1,444	26.6%	7	1,451	
Oil and Chemical Tankers	191	18.4%	84	84.0%	275	1,756	32.4%	154	1,910	
Gas Tankers	53	5.1%	1	1.0%	54	528	9.7%	9	537	
Other Tankers										
Passenger Ships	27	2.6%			27	160	2.9%		160	
Offshore Vessels	36	3.5%	7	7.0%	43	201	3.7%	54	255	
Service Ships	1	0.1%			1	5	0.1%	1	6	
Tugs										
Fishing Vessels										
Total	1,040	100%	100	100%	1,140	5,427	100%	429	0%	5,856

Source: Equasis - ⁽¹⁾ GT≥60,000**Table 106 - P&I status : gross tonnage (in 1000 gt) of very large⁽¹⁾ ships, by type and flag**

Ship Type	Targeted flag			Non Targeted flag						
	IGP&I	Non IGP&I	Total	IGP&I	Non IGP&I	Total				
General Cargo Ships										
Specialized Cargo Ships				310	0.1%	201	0.4%	511		
Container Ships	28,903	24.8%	877	8.1%	29,780	124,174	21.7%	23,489	49.5%	147,663
Ro-Ro Cargo Ships	3,982	3.4%	72	0.7%	4,054	13,916	2.4%	72	0.2%	13,988
Bulk Carriers	44,429	38.2%	107	1.0%	44,536	150,503	26.2%	536	1.1%	151,039
Oil and Chemical Tankers	25,939	22.3%	9,001	83.0%	34,940	180,120	31.4%	17,270	36.4%	197,390
Gas Tankers	6,052	5.2%	129	1.2%	6,181	59,371	10.4%	962	2.0%	60,333
Other Tankers										
Passenger Ships	2,816	2.4%			2,816	18,579	3.2%			18,579
Offshore Vessels	4,207	3.6%	660	6.1%	4,867	25,725	4.5%	4,867	10.3%	30,592
Service Ships	61	0.1%			61	821	0.1%	71	0.1%	892
Tugs										
Fishing Vessels										
Total	116,389	100%	10,846	100%	127,235	573,519	100%	47,468	100%	620,987

Source: Equasis - ⁽¹⁾ GT≥60,000**Graph 100 - Total number of very large ships, by P&I status and flag****Graph 101 - Gross tonnage of very large ships, by P&I status and flag**

4.5. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 107 - Whole fleet GT≥500 detention rate^(*), by type and P&I status - 2021

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	1.96%	5.68%	3.61%
Specialized Cargo Ships	1.79%	3.66%	2.82%
Container Ships	1.31%	2.19%	1.44%
Ro-Ro Cargo Ships	0.85%	12.70%	2.18%
Bulk Carriers	1.67%	4.69%	1.87%
Oil and Chemical Tankers	0.82%	4.81%	1.01%
Gas Tankers	0.45%	2.94%	0.59%
Other Tankers	1.57%	3.23%	1.71%
Passenger Ships	0.52%	0.00%	0.49%
Offshore Vessels	1.27%	4.41%	1.83%
Service Ships	1.29%	5.43%	2.47%
Tugs	3.13%	0.00%	2.50%
Fishing Ships	2.33%	0.00%	1.11%
Total	1.42%	5.07%	2.01%

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

MEDIUM SIZED SHIPS

Table 108 - Medium sized⁽¹⁾ ships detention rates^(*), by type and P&I status - 2021

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	2.08%	5.69%	3.75%
Specialized Cargo Ships	2.63%	3.85%	3.40%
Container Ships	1.55%	4.48%	2.09%
Ro-Ro Cargo Ships	3.26%	15.92%	9.38%
Bulk Carriers	2.13%	5.00%	2.63%
Oil and Chemical Tankers	1.07%	5.85%	1.45%
Gas Tankers	0.75%	3.45%	1.02%
Other Tankers	1.75%	3.23%	1.89%
Passenger Ships	1.89%	0.00%	1.63%
Offshore Vessels	1.38%	4.58%	1.97%
Service Ships	1.34%	4.44%	2.23%
Tugs	3.13%	0.00%	2.50%
Fishing Ships	2.33%	0.00%	1.15%
Total	1.79%	5.59%	2.89%

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

LARGE SHIPS

Table 109 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2021

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships	0.49%	0.00%	0.48%
Specialized Cargo Ships	0.00%	0.00%	0.00%
Container Ships	1.54%	0.48%	1.40%
Ro-Ro Cargo Ships	0.64%	0.00%	0.62%
Bulk Carriers	1.40%	3.16%	1.43%
Oil and Chemical Tankers	0.80%	1.00%	0.80%
Gas Tankers	0.22%	0.00%	0.22%
Other Tankers	0.00%		0.00%
Passenger Ships	0.00%	0.00%	0.00%
Offshore Vessels	0.00%		0.00%
Service Ships	0.00%	50.00%	10.00%
Tugs			
Fishing Ships		0.00%	0.00%
Total	1.21%	1.41%	1.22%

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

VERY LARGE SHIPS

Table 110 - Very large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2021

Ship Type	IGP&I	Non IGP&I	Overall
General Cargo Ships			
Specialized Cargo Ships	0.00%		0.00%
Container Ships	0.89%	0.54%	0.85%
Ro-Ro Cargo Ships	0.44%	0.00%	0.43%
Bulk Carriers	2.07%	0.00%	2.07%
Oil and Chemical Tankers	0.31%	4.62%	0.45%
Gas Tankers	0.19%	0.00%	0.19%
Other Tankers			
Passenger Ships	0.00%		0.00%
Offshore Vessels	0.00%	0.00%	0.00%
Service Ships			
Tugs			
Fishing Ships			
Total	1.00%	1.08%	1.00%

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

Chapter 5

5. Port State Control

INTRODUCTION

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

1. Paris MoU;
2. Tokyo MoU;
3. Indian Ocean MoU;
4. U.S. Coast Guard;
5. Acuerdo de Viña del Mar;
6. Mediterranean MoU;
7. Caribbean MoU;
8. Black Sea MoU; and
9. Abuja MoU.

Due to some technical issues related to the format of the inspection reports, Equasis cannot display inspections from Riyadh MoU. Equasis will continue to await further information and to follow closely any developments decided by the Riyadh Secretariat so that the inspections can be included thereon in this report.

The analysis in this chapter takes into account the last three years of inspections (2019-2021) from these PSC regimes as recorded in Equasis.

PSC SHIP TYPE

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

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

INSPECTED SHIPS

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

Some ships are not eligible for PSC inspections due to their size or type, or they are only engaged in domestic trade. These vessels are mainly confined to the small ship size category. Therefore, there is a portion of the eligible fleet without a port State Control inspection record in Equasis.

A significant portion of this "*without inspection record*" fleet, particularly those in the very large, large and medium sized ship category, may potentially be trading in the waters of these PSC regimes or are trading using ports in these areas.

The inspection figures show the proportion of the fleet which have been inspected by one of the nine PSC regimes in the last three years. Therefore, the proportion of fleet that have not been inspected can be calculated. The figures are sorted by ship size and PSC type with details per age ranges, flag State and P&I coverage.

RECOGNISED ORGANISATIONS

Information on Recognised Organisations (RO) is also included in this chapter based on the statutory certificates recorded at the time of inspection. ROs are Classification Societies working on behalf of a flag state that survey ships under their flag and certify that they comply with the relevant international conventions.

Information on statutory certificates is provided by the nine PSC regimes to Equasis.

Table 143 provides the total number of inspections in which a statutory certificate has been recorded by the PSC Officer (PSCO) for each type of certificate. It also specifies the number of inspections where

this certificate has been recorded by the PSCO by issuer (flag State or RO). Please note that during an inspection several certificates are usually checked and recorded but no checklist is followed. Moreover, depending on the ship type certain certificates may not be applicable. Additionally, a "group" of certificates in the table may refer to more than one certificate and each certificate may be issued by different authorities. For these reasons, total figures cannot be easily deducted by summing lines or columns in Table 143.

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

DOUBLE REPORTING

Five years ago, the issue of double reporting of inspections and detentions of individual PSC regimes was brought to the attention of the EQUASIS Management Unit (MU). In these cases, individual States are reporting the same inspection and detention records to two regional PSC regimes. These in turn are submitted to EQUASIS by both PSC regimes. Meanwhile, EQUASIS has implemented an interim measure on its website where common information is gathered on one line when two PSC send data related to a single inspection.

Last year, the Paris MoU Secretariat entered into discussions with the EQUASIS Management Unit (MU), and with the Tokyo MoU Secretariat and, as a result, a joint proposal based on the interim measure already implemented by Equasis was prepared and agreed to be submitted to all the PSC committees for their consideration and approval.

It is also worth mentioning that the common proposed solution was submitted and endorsed by the Equasis Supervisory Committee members.

Implications

The tables below reflect all the reports of inspections shared with Equasis over the last three (3) years (2019, 2020 and 2021). As the MoU's have not specified that an inspection has been reported under two MoU's, Equasis cannot identify them and reflect the double reporting in the tables. This is because under the data sharing

agreement Equasis cannot interpret or manage the data.

RESULTS

Table 116 reveals that of the 67,740 ships over 500GT in the fleet covered by Equasis, 52% (35,325) were inspected at least once in the period 2019-2021. This equates to 84% by tonnage.

Table 113 shows that the number of individual ships inspected has increased 10% in comparison to last year to the total of 29,749 inspections.

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

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

Table 111 shows that a very small quantity of small sized ships is inspected (3%) and that the majority of ships without an inspection record are either in the small sized ship category or in the medium sized category (37%). For the other categories, both large and very large about 88% of the ships were inspected between 2019 and 2021.

By age, Table 116 shows that oldest ships 25+ years (25% inspected) have been subjected to fewer inspections than the newer ships 0-4 years (52% inspected). Additionally, ships with IG P&I coverage (Table 124) have also been subjected to more inspections. A possible explanation is the fact that the majority of ships is

covered by IGP&I clubs (77%) and these are the ones mostly operating in PSC regions for which Equasis has PSC data.

Table 132 shows that ships with targeted flag States are subject to more inspections than those of non-targeted flag States (76% and 47%, respectively).

Table 140 shows that the majority of statutory certificates are issued by members of IACS of which 88.6% of inspections are of ships over 500GT.

Table 143 shows that the involvement of flag States differs greatly depending on the statutory certificates. The Minimum Safe Manning Document (SOLAS/STCW), the Continuous Synopsis Record (SOLAS/CSR), and the Bunker Certificate

are the statutory certificates that are, in majority, issued by the flag State.

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

5.1. PORT STATE CONTROL OVERVIEW

OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIONS (2019-2021)

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

PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	5,125	143	2.8%	12,395	6,166	49.7%	453	436	96.2%	38	38	100.0%	18,011	6,783	37.7%
Refrigerated Cargo	857	17	2.0%	1,341	511	38.1%	6	3	50.0%				2,204	531	24.1%
Heavy load	2		0.0%	84	58	69.0%	48	43	89.6%	7	2	28.6%	141	103	73.0%
Container	21	2	9.5%	2,219	1,659	74.8%	1,581	1,448	91.6%	1,534	1,515	98.8%	5,355	4,624	86.3%
Ro-Ro cargo	42	7	16.7%	512	239	46.7%	422	413	97.9%	240	236	98.3%	1,216	895	73.6%
Bulk Carrier	5	3	60.0%	3,019	2,438	80.8%	6,584	5,825	88.5%	1,880	1,795	95.5%	11,488	10,061	87.6%
Oil tanker	1,919	16	0.8%	4,551	861	18.9%	1,326	1,075	81.1%	2,050	1,612	78.6%	9,846	3,564	36.2%
Chemical tanker	487	5	1.0%	3,404	2,303	67.7%	1,321	1,177	89.1%				5,212	3,485	66.9%
Combination carrier	1	1	100.0%	48	19	39.6%	8	8	100.0%	3	3	100.0%	60	31	51.7%
Gas carrier	36		0.0%	1,127	648	57.5%	338	296	87.6%	530	447	84.3%	2,031	1,391	68.5%
NLS Tanker	3	1	33.3%	147	138	93.9%	240	240	100.0%	235	235	100.0%	625	614	98.2%
High speed passenger craft	40	40	100.0%	47	47	100.0%							87	87	100.0%
Passenger Ship	3,555	301	8.5%	917	295	32.2%	67	63	94.0%	186	179	96.2%	4,725	838	17.7%
RoRo passenger ship	816	4	0.5%	2,100	183	8.7%	230	174	75.7%	7	6	85.7%	3,153	367	11.6%
Offshore supply	2,485	72	2.9%	4,683	807	17.2%	15	2	13.3%	9	1	11.1%	7,192	882	12.3%
Special purpose ship	200	37	18.5%	535	189	35.3%	17	10	58.8%	6	2	33.3%	758	238	31.4%
Tug	18,809	686	3.6%	997	146	14.6%							19,806	832	4.2%
Other special activities	3,807	420	11.0%	3,547	709	20.0%	249	167	67.1%	261	55	21.1%	7,864	1,351	17.2%
Other	21,573	61	0.3%	6,024	265	4.4%	129	116	89.9%	23	22	95.7%	27,749	464	1.7%
Total	59,783	1,816	3%	47,697	17,681	37%	13,034	11,496	88%	7,009	6,148	88%	127,523	37,141	29%

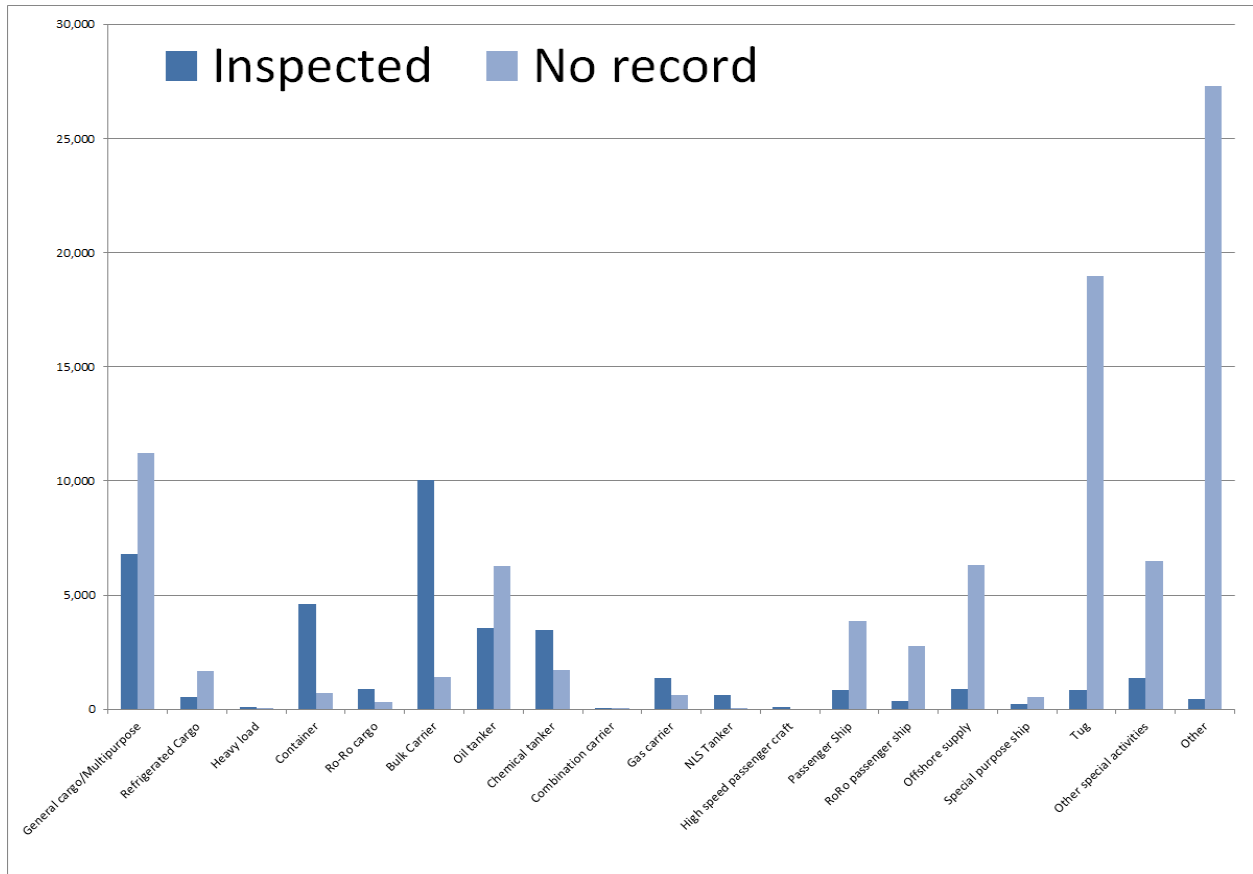
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25.000 - ⁽³⁾ 25.000≤GT<60.000 - ⁽⁴⁾ GT≥60.000

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

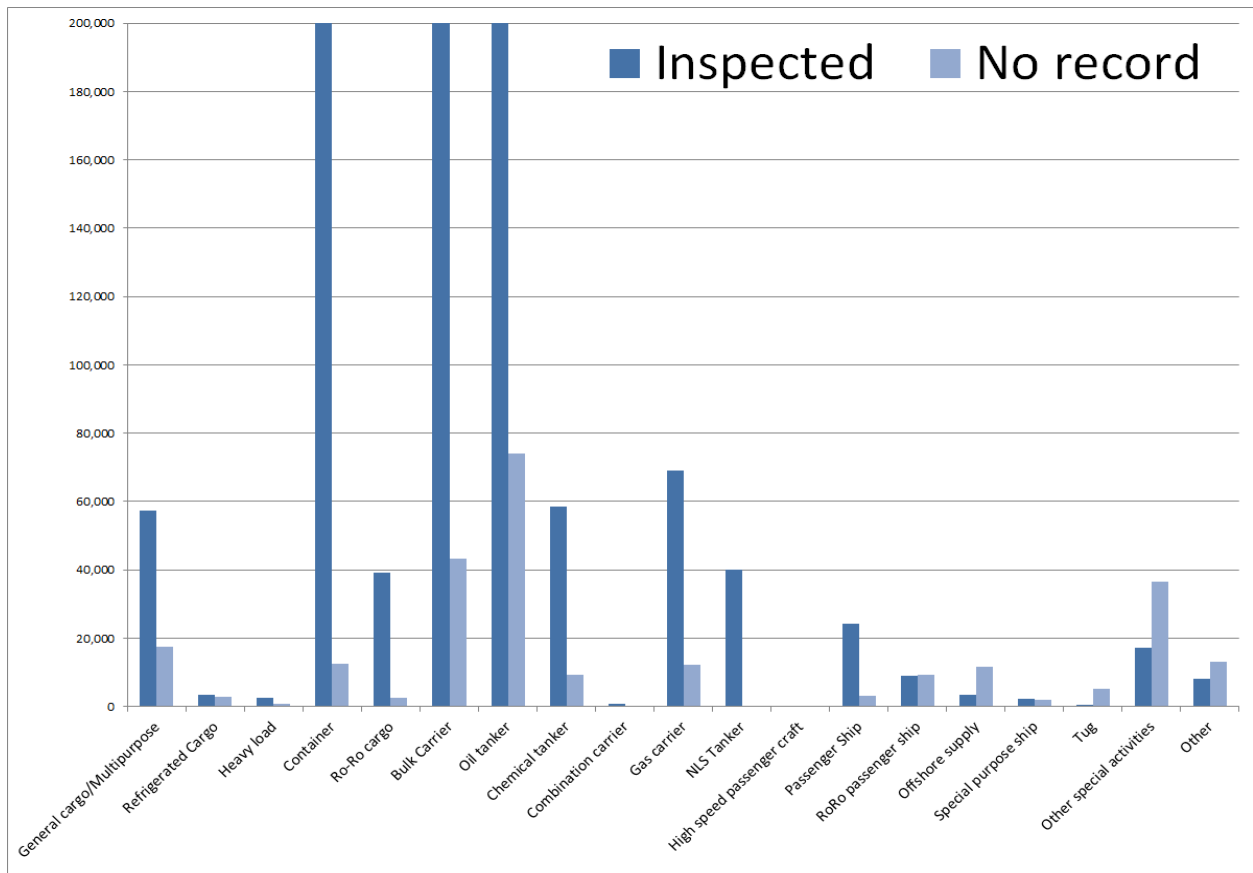
PSC Ship Type	Small			Medium			Large			Very Large			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,797	52	2.9%	53,468	38,247	71.5%	16,062	15,503	96.5%	3,449	3,449	100.0%	74,776	57,251	76.6%
Refrigerated Cargo	213	6	2.8%	5,807	3,344	57.6%	212	99	46.7%				6,232	3,449	55.3%
Heavy load	1		0.0%	973	754	77.5%	1,891	1,669	88.3%	510	176	34.5%	3,375	2,599	77.0%
Container	8	1	12.5%	26,529	21,793	82.1%	59,195	54,257	91.7%	175,423	172,593	98.4%	261,155	248,644	95.2%
Ro-Ro cargo	13	2	15.4%	5,109	3,063	60.0%	20,396	20,058	98.3%	16,220	15,961	98.4%	41,738	39,084	93.6%
Bulk Carrier	2	1	50.0%	53,503	46,247	86.4%	245,985	219,764	89.3%	193,822	183,968	94.9%	493,312	449,980	91.2%
Oil tanker	581	6	1.0%	17,731	6,555	37.0%	53,900	43,649	81.0%	214,246	162,087	75.7%	286,458	212,297	74.1%
Chemical tanker	184	2	1.1%	28,247	23,513	83.2%	39,147	34,885	89.1%				67,578	58,400	86.4%
Combination carrier				249	166	66.7%	311	311	100.0%	202	202	100.0%	762	679	89.1%
Gas carrier	14		0.0%	7,022	5,470	77.9%	14,687	12,853	87.5%	59,737	50,808	85.1%	81,460	69,131	84.9%
NLS Tanker	1		0.0%	1,304	1,294	99.2%	9,261	9,261	100.0%	29,574	29,574	100.0%	40,140	40,129	100.0%
High speed passenger craft	9	9	100.0%	238	238	100.0%							247	247	100.0%
Passenger Ship	906	98	10.8%	2,323	1,258	54.2%	2,756	2,603	94.4%	21,251	20,169	94.9%	27,236	24,128	88.6%
RoRo passenger ship	251	2	0.8%	9,395	2,398	25.5%	8,078	6,131	75.9%	471	406	86.2%	18,195	8,937	49.1%
Offshore supply	705	21	3.0%	13,083	3,201	24.5%	532	82	15.4%	780	83	10.6%	15,100	3,387	22.4%
Special purpose ship	50	11	22.0%	2,656	1,307	49.2%	627	406	64.8%	836	505	60.4%	4,169	2,229	53.5%
Tug	4,570	213	4.7%	1,024	293	28.6%							5,594	506	9.0%
Other special activities	953	144	15.1%	10,460	3,169	30.3%	11,186	7,345	65.7%	31,298	6,638	21.2%	53,897	17,296	32.1%
Other	4,805	19	0.4%	9,153	1,395	15.2%	5,710	5,258	92.1%	1,463	1,391	95.1%	21,131	8,063	38.2%
Total	15,063	587	4%	248,274	163,705	66%	489,936	434,134	89%	749,282	648,010	86%	1,502,555	1,246,436	83%

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

Graph 102 -Total number of inspected ships (all sizes), by PSC type



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



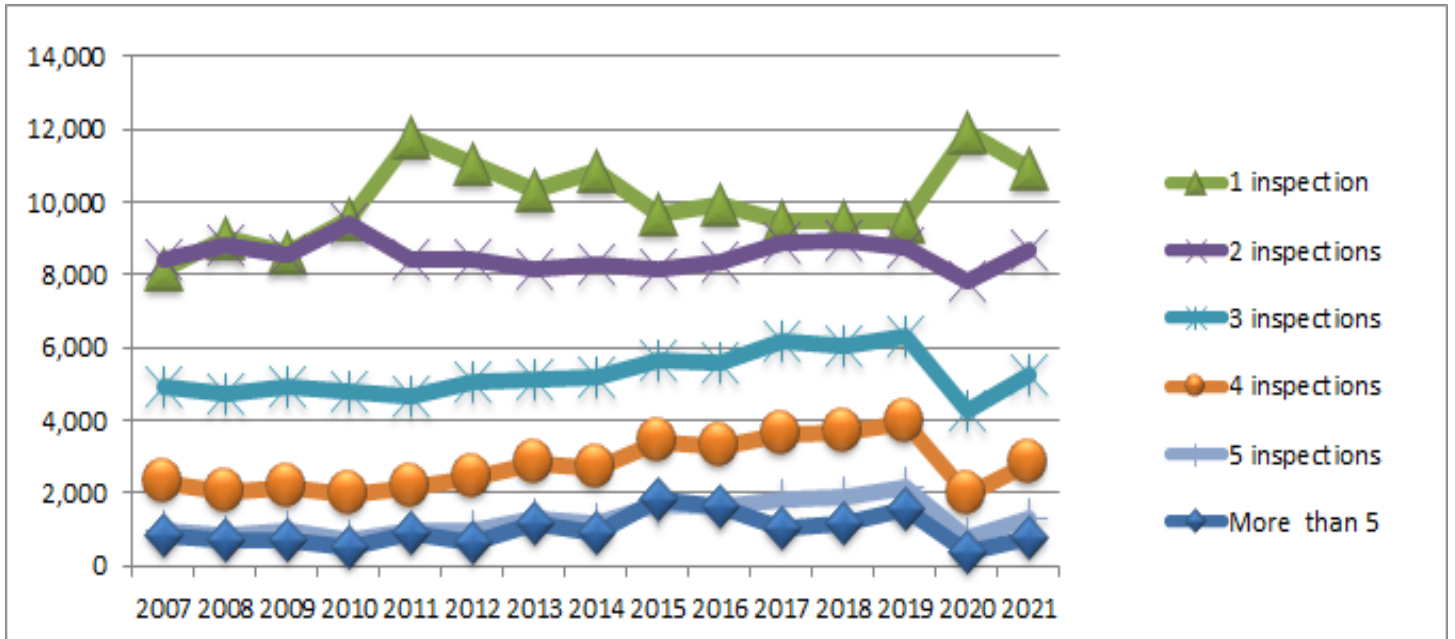
MULTIPLE INSPECTIONS (2008-2021)

Table 113 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2021

Number of inspections per ship	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1	8,166	31.9%	9,005	34.6%	8,637	33.2%	9,527	35.5%	11,783	40.8%	11,082	38.9%	10,351	35.9%	10,844	37.4%	9,658	31.8%	9,947	32.8%	9,460	30.5%	9,482	30.4%	9,443	29.4%	11,928	44.1%	10,948	36.8%
2	8,415	32.8%	8,818	33.9%	8,571	33.0%	9,413	35.1%	8,438	29.3%	8,380	29.4%	8,152	28.3%	8,307	28.6%	8,122	26.7%	8,353	27.5%	8,906	28.7%	8,925	28.6%	8,747	27.3%	7,841	29.0%	8,673	29.2%
3	4,939	19.3%	4,687	18.0%	4,949	19.0%	4,781	17.8%	4,670	16.2%	5,021	17.6%	5,102	17.7%	5,200	17.9%	5,642	18.6%	5,573	18.4%	6,185	19.9%	6,063	19.4%	6,281	19.6%	4,230	15.6%	5,247	17.6%
4	2,287	8.9%	2,041	7.8%	2,172	8.4%	1,969	7.3%	2,133	7.4%	2,409	8.5%	2,783	9.7%	2,648	9.1%	3,407	11.2%	3,252	10.7%	3,609	11.6%	3,689	11.8%	3,919	12.2%	1,923	7.1%	2,797	9.4%
5	972	3.8%	795	3.1%	934	3.6%	672	2.5%	936	3.2%	950	3.3%	1,284	4.5%	1,155	4.0%	1,689	5.6%	1,590	5.2%	1,820	5.9%	1,870	6.0%	2,176	6.8%	789	2.9%	1,308	4.4%
More than 5	859	3.4%	671	2.6%	724	2.8%	493	1.8%	887	3.1%	631	2.2%	1,149	4.0%	865	3.0%	1,847	6.1%	1,622	5.3%	1,039	3.3%	1,156	3.7%	1,532	4.8%	359	1.3%	776	2.6%
Total	25,638	100%	26,017	100%	25,987	100%	26,855	100%	28,847	100%	28,473	100%	28,821	100%	29,019	100%	30,365	100%	30,337	100%	31,019	100%	31,185	100%	32,098	100%	27,070	100%	29,749	100%

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

Graph 104 - Total number of individual ships inspected^(*), by number of inspections per ship – 2007-2021



(*) Existing ship types in Equasis

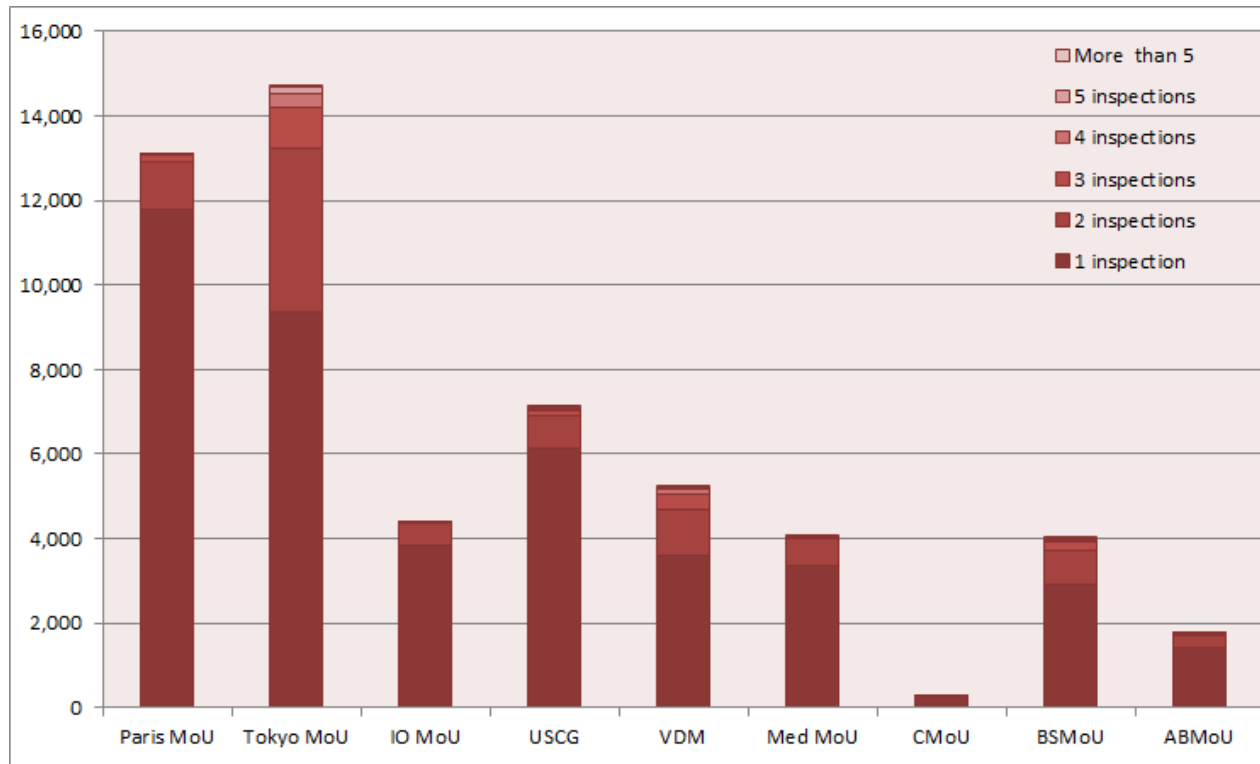
INSPECTION FREQUENCY BY PSC REGIONS (2021)

Table 114 - Total number of individual ships inspected^(*), by number of inspection per ship and by PSC region - 2021

Number of inspections per ship	Number of individual ships inspected																		Overall inspections	
	PMoU		TMoU		IOMoU		USCG		VdMoU		MedMoU		CMoU		BSMoU		ABMoU			
1	11,794	90.3%	9,363	63.5%	3,825	87.6%	6,149	86.6%	3,583	68.6%	3,347	82.8%	251	93.0%	2,922	72.8%	1,417	81.3%	10,948	36.8%
2	1,123	8.6%	3,858	26.2%	522	12.0%	748	10.5%	1,099	21.0%	638	15.8%	18	6.7%	795	19.8%	276	15.8%	8,673	29.2%
3	140	1.1%	963	6.5%	16	0.4%	145	2.0%	361	6.9%	51	1.3%	1	0.4%	202	5.0%	42	2.4%	5,247	17.6%
4	10	0.1%	360	2.4%	1	0.0%	40	0.6%	111	2.1%	4	0.1%	0	0.0%	55	1.4%	7	0.4%	2,797	9.4%
5	1	0.0%	156	1.1%	0	0.0%	13	0.2%	45	0.9%	0	0.0%	0	0.0%	29	0.7%	2	0.1%	1,308	4.4%
More than 5	0	0.0%	34	0.2%	0	0.0%	6	0.1%	24	0.5%	0	0.0%	0	0.0%	10	0.2%	0	0.0%	776	2.6%
Total	13,068	100%	14,734	100%	4,364	100%	7,101	100%	5,223	100%	4,040	100%	270	100%	4,013	100%	1,744	100%	29,749	100%

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

Graph 105 - Total number of individual ships inspected^(*), by number of inspection per ship and PSC region - 2021



^(*) All existing ship types in Equasis

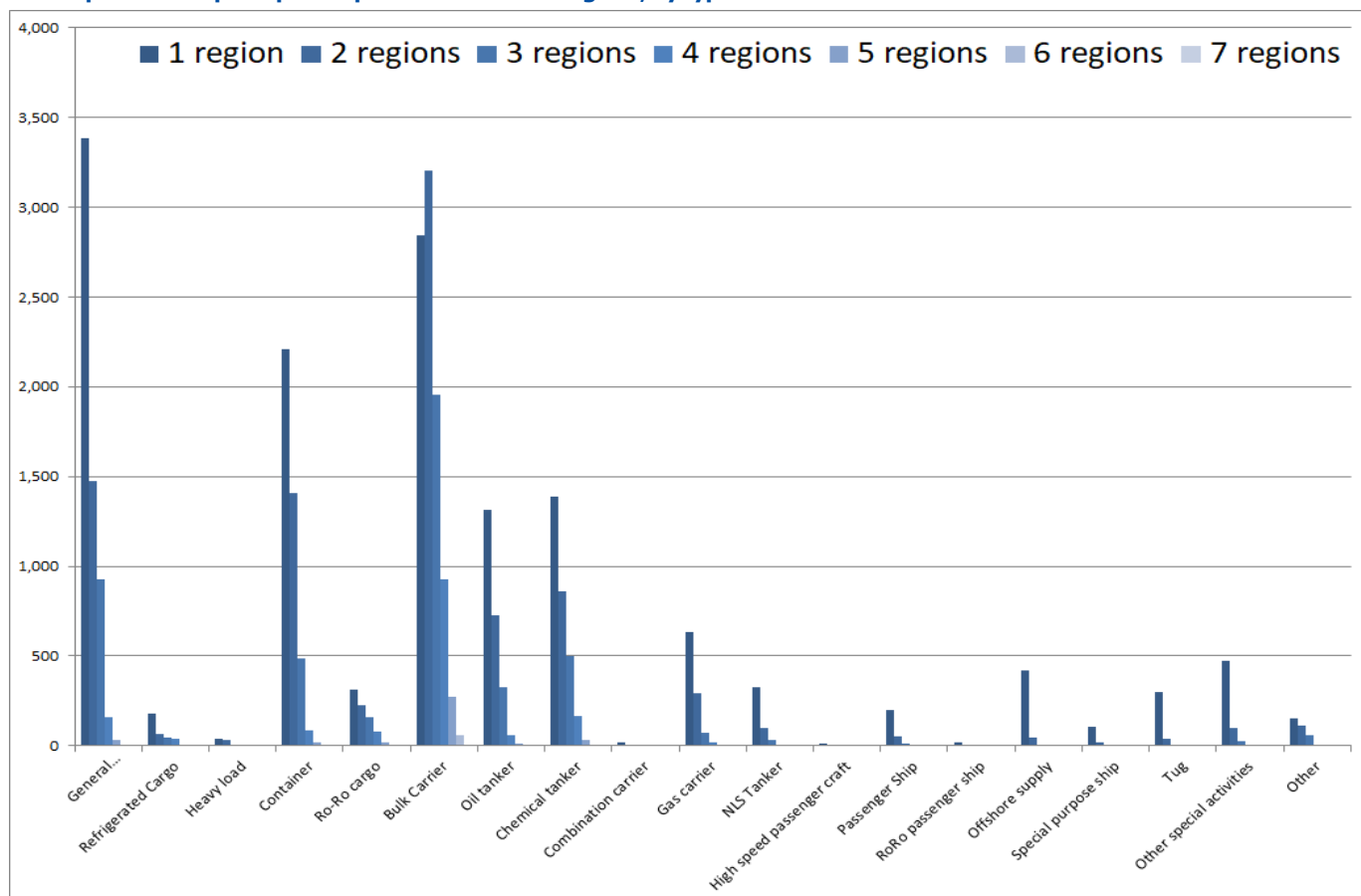
INSPECTIONS IN MORE THAN ONE REGION (2021)

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

Ship Type	Number of ships inspected													
	1 Region		2 Regions		3 Regions		4 Regions		5 Regions		6 Regions		7 Regions	
General cargo/Multipurpose	3,386	23.6%	1,476	16.9%	925	20.1%	162	10.5%	35	8.9%	7	9.5%	0	0.0%
Refrigerated Cargo	181	1.3%	68	0.8%	46	1.0%	36	2.3%	7	1.8%	2	2.7%	0	0.0%
Heavy load	40	0.3%	29	0.3%	7	0.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Container	2,211	15.4%	1,406	16.1%	486	10.5%	84	5.4%	17	4.3%	3	4.1%	0	0.0%
Ro-Ro cargo	310	2.2%	227	2.6%	158	3.4%	77	5.0%	18	4.6%	4	5.4%	0	0.0%
3	2,845	19.9%	3,204	36.6%	1,955	42.4%	927	60.0%	274	69.7%	57	77.0%	3	100.0%
Oil tanker	1,314	9.2%	724	8.3%	324	7.0%	58	3.8%	10	2.5%	1	1.4%	0	0.0%
Chemical tanker	1,391	9.7%	859	9.8%	501	10.9%	169	10.9%	32	8.1%	0	0.0%	0	0.0%
Combination carrier	16	0.1%	2	0.0%	2	0.0%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
Gas carrier	633	4.4%	290	3.3%	72	1.6%	18	1.2%	0	0.0%	0	0.0%	0	0.0%
NLS Tanker	326	2.3%	96	1.1%	33	0.7%	3	0.2%	0	0.0%	0	0.0%	0	0.0%
High speed passenger craft	9	0.1%	3	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passenger Ship	199	1.4%	53	0.6%	11	0.2%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
RoRo passenger ship	21	0.1%	2	0.0%	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Offshore supply	418	2.9%	48	0.5%	0	0.0%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
Special purpose ship	103	0.7%	20	0.2%	2	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Tug	296	2.1%	40	0.5%	2	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other special activities	474	3.3%	101	1.2%	26	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Other	155	1.1%	109	1.2%	58	1.3%	8	0.5%	0	0.0%	0	0.0%	0	0.0%
Total	14,328	100%	8,757	100%	4,609	100%	1,545	100%	393	100%	74	100%	3	100%

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

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



5.2. SHIPS INSPECTED BETWEEN 2019 AND 2021 – BY AGE

WHOLE FLEET GT≥500

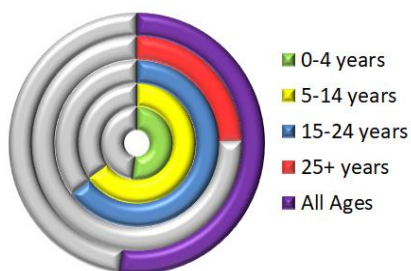
Table 116 - Total number of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	809	428	52.9%	3,816	2,222	58.2%	2,675	1,763	65.9%	5,586	2,227	39.9%	12,886	6,640	51.5%
Refrigerated Cargo	109	24	22.0%	104	28	26.9%	125	81	64.8%	1,009	381	37.8%	1,347	514	38.2%
Heavy load	27	13	48.1%	65	50	76.9%	18	17	94.4%	29	23	79.3%	139	103	74.1%
Container	668	494	74.0%	2,232	2,040	91.4%	1,969	1,808	91.8%	465	280	60.2%	5,334	4,622	86.7%
Ro-Ro cargo	91	51	56.0%	453	405	89.4%	361	303	83.9%	269	129	48.0%	1,174	888	75.6%
Bulk Carrier	1,635	1,246	76.2%	7,197	6,582	91.5%	2,068	1,835	88.7%	583	395	67.8%	11,483	10,058	87.6%
Oil tanker	933	424	45.4%	3,052	1,784	58.5%	1,945	1,187	61.0%	1,997	153	7.7%	7,927	3,548	44.8%
Chemical tanker	702	515	73.4%	2,140	1,762	82.3%	1,326	1,070	80.7%	557	133	23.9%	4,725	3,480	73.7%
Combination carrier	5	5	100.0%	14	11	78.6%	10	10	100.0%	30	4	13.3%	59	30	50.8%
Gas carrier	325	203	62.5%	854	725	84.9%	438	325	74.2%	378	138	36.5%	1,995	1,391	69.7%
NLS Tanker	172	172	100.0%	301	301	100.0%	132	132	100.0%	17	8	47.1%	622	613	98.6%
High speed passenger craft	8	8	100.0%	6	6	100.0%	21	21	100.0%	12	12	100.0%	47	47	100.0%
Passenger Ship	159	81	50.9%	261	168	64.4%	289	163	56.4%	461	125	27.1%	1,170	537	45.9%
RoRo passenger ship	270	30	11.1%	513	49	9.6%	470	107	22.8%	1,084	177	16.3%	2,337	363	15.5%
Offshore supply	302	52	17.2%	2,499	533	21.3%	873	163	18.7%	1,033	62	6.0%	4,707	810	17.2%
Special purpose ship	29	13	44.8%	152	100	65.8%	68	37	54.4%	309	51	16.5%	558	201	36.0%
Tug	77	4	5.2%	325	81	24.9%	134	33	24.6%	461	28	6.1%	997	146	14.6%
Other special activities	425	135	31.8%	1,299	364	28.0%	675	200	29.6%	1,658	232	14.0%	4,057	931	22.9%
Other	783	22	2.8%	1,275	132	10.4%	872	97	11.1%	3,246	152	4.7%	6,176	403	6.5%
Total	7,529	3,920	52%	26,558	17,343	65%	14,469	9,352	65%	19,184	4,710	25%	67,740	35,325	52%

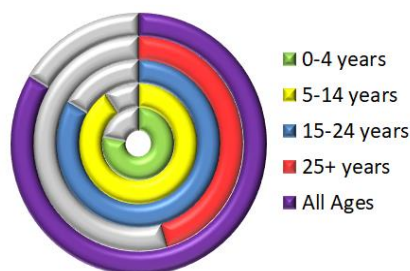
Table 117 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	9,798	8,166	83.3%	29,673	25,412	85.6%	16,982	14,276	84.1%	16,527	9,345	56.5%	72,979	57,199	78.4%
Refrigerated Cargo	573	237	41.4%	487	251	51.5%	889	777	87.4%	4,070	2,178	53.5%	6,019	3,443	57.2%
Heavy load	735	354	48.2%	1,475	1,159	78.6%	377	374	99.2%	787	713	90.6%	3,374	2,601	77.1%
Container	45,522	40,200	88.3%	138,054	135,114	97.9%	70,037	67,630	96.6%	7,535	5,698	75.6%	261,149	248,644	95.2%
Ro-Ro cargo	3,613	2,943	81.5%	21,961	21,461	97.7%	13,310	12,655	95.1%	2,841	2,024	71.2%	41,725	39,081	93.7%
Bulk Carrier	85,955	69,091	80.4%	315,707	300,681	95.2%	78,407	71,323	91.0%	13,241	8,885	67.1%	493,310	449,980	91.2%
Oil tanker	48,151	30,853	64.1%	136,824	114,686	83.8%	89,872	65,211	72.6%	11,031	1,541	14.0%	285,879	212,291	74.3%
Chemical tanker	12,854	10,543	82.0%	34,620	31,329	90.5%	17,840	15,740	88.2%	2,081	786	37.8%	67,395	58,398	86.7%
Combination carrier	183	183	100.0%	225	214	95.1%	270	270	100.0%	85	13	15.3%	761	678	89.1%
Gas carrier	19,962	16,327	81.8%	38,200	35,480	92.9%	17,542	13,854	79.0%	5,742	3,470	60.4%	81,446	69,131	84.9%
NLS Tanker	14,661	14,661	100.0%	19,261	19,261	100.0%	6,107	6,107	100.0%	110	99	90.0%	40,139	40,129	100.0%
High speed passenger craft	54	54	100.0%	42	42	100.0%	94	94	100.0%	48	48	100.0%	238	238	100.0%
Passenger Ship	6,138	4,884	79.6%	8,642	8,520	98.6%	8,232	7,932	96.4%	3,318	2,694	81.2%	26,329	24,030	91.3%
RoRo passenger ship	2,220	637	28.7%	3,805	1,596	41.9%	5,321	3,190	60.0%	6,598	3,512	53.2%	17,944	8,934	49.8%
Offshore supply	1,484	265	17.9%	8,560	2,335	27.3%	2,276	571	25.1%	2,074	194	9.4%	14,393	3,366	23.4%
Special purpose ship	259	124	47.9%	1,768	1,492	84.4%	822	367	44.6%	1,271	236	18.6%	4,119	2,218	53.8%
Tug	87	13	14.9%	403	191	47.4%	144	58	40.3%	390	31	7.9%	1,024	293	28.6%
Other special activities	10,665	6,402	60.0%	16,783	6,097	36.3%	10,531	2,930	27.8%	14,964	1,723	11.5%	52,945	17,151	32.4%
Other	1,874	432	23.1%	5,661	3,579	63.2%	4,218	2,868	68.0%	4,574	1,165	25.5%	16,328	8,042	49.3%
Total	264,788	206,369	78%	782,151	708,900	91%	343,271	286,227	83%	97,287	44,355	46%	1,487,496	1,245,847	84%

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



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



MEDIUM SIZED SHIPS

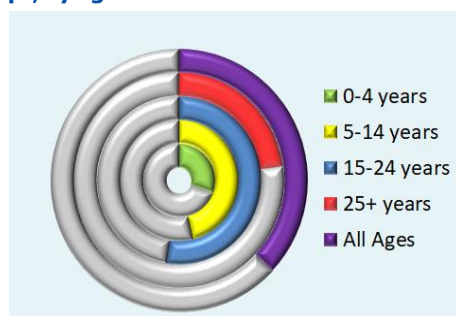
Table 118 - Total number of medium sized ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	699	324	46.4%	3,600	2,006	55.7%	2,565	1,660	64.7%	5,531	2,176	39.3%	12,395	6,166	49.7%
Refrigerated Cargo	109	24	22.0%	104	28	26.9%	122	78	63.9%	1,006	381	37.9%	1,341	511	38.1%
Heavy load	15	6	40.0%	47	36	76.6%	12	11	91.7%	10	5	50.0%	84	58	69.0%
Container	283	161	56.9%	686	542	79.0%	879	756	86.0%	371	200	53.9%	2,219	1,659	74.8%
Ro-Ro cargo	38	5	13.2%	77	33	42.9%	148	92	62.2%	249	109	43.8%	512	239	46.7%
Bulk Carrier	303	167	55.1%	1,870	1,567	83.8%	513	464	90.4%	333	240	72.1%	3,019	2,438	80.8%
Oil tanker	427	70	16.4%	1,454	380	26.1%	766	271	35.4%	1,904	140	7.4%	4,551	861	18.9%
Chemical tanker	407	264	64.9%	1,423	1,104	77.6%	1,027	805	78.4%	547	130	23.8%	3,404	2,303	67.7%
Combination carrier	2	2	100.0%	10	7	70.0%	6	6	100.0%	30	4	13.3%	48	19	39.6%
Gas carrier	126	44	34.9%	444	337	75.9%	245	170	69.4%	312	97	31.1%	1,127	648	57.5%
NLS Tanker	19	19	100.0%	68	68	100.0%	44	44	100.0%	16	7	43.8%	147	138	93.9%
High speed passenger craft	8	8	100.0%	6	6	100.0%	21	21	100.0%	12	12	100.0%	47	47	100.0%
Passenger Ship	114	45	39.5%	187	94	50.3%	193	69	35.8%	423	87	20.6%	917	295	32.2%
RoRo passenger ship	241	16	6.6%	467	12	2.6%	377	37	9.8%	1,015	118	11.6%	2,100	183	8.7%
Offshore supply	299	52	17.4%	2,489	532	21.4%	869	162	18.6%	1,026	61	5.9%	4,683	807	17.2%
Special purpose ship	26	12	46.2%	141	90	63.8%	63	36	57.1%	305	51	16.7%	535	189	35.3%
Tug	77	4	5.2%	325	81	24.9%	134	33	24.6%	461	28	6.1%	997	146	14.6%
Other special activities	325	65	20.0%	1,117	279	25.0%	569	154	27.1%	1,536	211	13.7%	3,547	709	20.0%
Other	773	16	2.1%	1,207	66	5.5%	812	44	5.4%	3,232	139	4.3%	6,024	265	4.4%
Total	4,291	1,304	30%	15,722	7,268	46%	9,365	4,913	52%	18,319	4,196	23%	47,697	17,681	37%

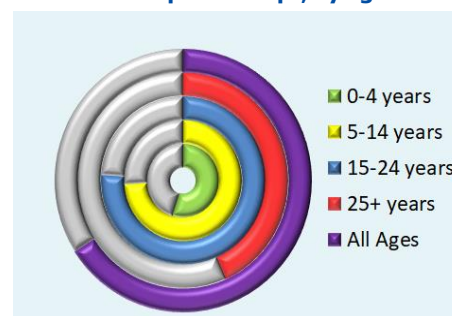
Table 119 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%	Global	Inspected	%
General cargo/Multipurpose	4,434	3,040	68.6%	21,645	17,384	80.3%	12,720	10,206	80.2%	14,669	7,617	51.9%	53,468	38,247	71.5%
Refrigerated Cargo	573	237	41.4%	487	251	51.5%	790	678	85.8%	3,957	2,178	55.0%	5,807	3,344	57.6%
Heavy load	155	65	41.9%	613	523	85.3%	121	118	97.5%	84	49	58.3%	973	755	77.6%
Container	4,026	2,582	64.1%	8,522	7,561	88.7%	10,388	9,391	90.4%	3,594	2,260	62.9%	26,530	21,794	82.1%
Ro-Ro cargo	389	47	12.1%	892	528	59.2%	2,017	1,492	74.0%	1,811	995	54.9%	5,109	3,062	59.9%
Bulk Carrier	5,072	3,579	70.6%	35,531	31,402	88.4%	7,996	7,488	93.6%	4,904	3,779	77.1%	53,503	46,248	86.4%
Oil tanker	2,034	535	26.3%	6,171	2,615	42.4%	5,285	2,891	54.7%	4,242	514	12.1%	17,732	6,555	37.0%
Chemical tanker	3,931	2,953	75.1%	13,288	11,757	88.5%	9,227	8,098	87.8%	1,802	705	39.1%	28,248	23,513	83.2%
Combination carrier	21	21	100.0%	75	64	85.3%	68	68	100.0%	85	13	15.3%	249	166	66.7%
Gas carrier	812	431	53.1%	3,627	3,220	88.8%	1,531	1,226	80.1%	1,052	593	56.4%	7,022	5,470	77.9%
NLS Tanker	226	226	100.0%	662	662	100.0%	351	351	100.0%	65	55	84.6%	1,304	1,294	99.2%
High speed passenger craft	54	54	100.0%	42	42	100.0%	94	94	100.0%	48	48	100.0%	238	238	100.0%
Passenger Ship	471	338	71.8%	327	205	62.7%	353	168	47.6%	1,171	547	46.7%	2,322	1,258	54.2%
RoRo passenger ship	1,050	123	11.7%	2,080	159	7.6%	1,953	582	29.8%	4,312	1,534	35.6%	9,395	2,398	25.5%
Offshore supply	1,312	265	20.2%	8,197	2,310	28.2%	2,010	488	24.3%	1,563	138	8.8%	13,082	3,201	24.5%
Special purpose ship	174	96	55.2%	915	664	72.6%	457	311	68.1%	1,111	236	21.2%	2,657	1,307	49.2%
Tug	87	13	14.9%	403	191	47.4%	144	58	40.3%	390	31	7.9%	1,024	293	28.6%
Other special activities	1,361	393	28.9%	3,980	1,394	35.0%	1,695	640	37.8%	3,424	741	21.6%	10,460	3,168	30.3%
Other	1,362	99	7.3%	2,416	403	16.7%	1,382	282	20.4%	3,994	610	15.3%	9,154	1,394	15.2%
Total	27,544	15,097	55%	109,873	81,335	74%	58,582	44,630	76%	52,278	22,643	43%	248,277	163,705	66%

Graph 109 - Proportion of medium sized inspected ships, by age



Graph 110 - Proportion of gross tonnage for medium sized inspected ships, by age



LARGE SHIPS

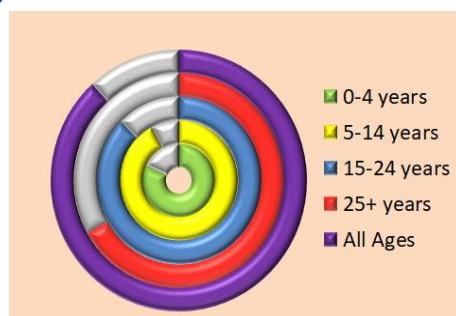
Table 120 - Total number of large ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	97	91	93.8%	204	204	100.0%	97	90	92.8%	55	51	92.7%	453	436	96.2%
Refrigerated Cargo							3	3	100.0%	3		0.0%	6	3	50.0%
Heavy load	9	7	77.8%	14	12	85.7%	6	6	100.0%	19	18	94.7%	48	43	89.6%
Container	171	138	80.7%	670	622	92.8%	659	621	94.2%	81	67	82.7%	1,581	1,448	91.6%
Ro-Ro cargo	14	9	64.3%	226	222	98.2%	165	165	100.0%	17	17	100.0%	422	413	97.9%
Bulk Carrier	991	806	81.3%	4,057	3,756	92.6%	1,288	1,109	86.1%	248	154	62.1%	6,584	5,825	88.5%
Oil tanker	64	52	81.3%	557	492	88.3%	652	524	80.4%	53	7	13.2%	1,326	1,075	81.1%
Chemical tanker	295	251	85.1%	717	658	91.8%	299	265	88.6%	10	3	30.0%	1,321	1,177	89.1%
Combination carrier	3	3	100.0%	3	3	100.0%	2	2	100.0%				8	8	100.0%
Gas carrier	60	42	70.0%	179	177	98.9%	64	54	84.4%	35	23	65.7%	338	296	87.6%
NLS Tanker	56	56	100.0%	122	122	100.0%	61	61	100.0%	1	1	100.0%	240	240	100.0%
High speed passenger craft															
Passenger Ship	12	9	75.0%	12	12	100.0%	20	19	95.0%	23	23	100.0%	67	63	94.0%
RoRo passenger ship	28	14	50.0%	42	33	78.6%	91	68	74.7%	69	59	85.5%	230	174	75.7%
Offshore supply	1		0.0%	9	1	11.1%	2		0.0%	3	1	33.3%	15	2	13.3%
Special purpose ship	3	1	33.3%	9	8	88.9%	2	1	50.0%	3		0.0%	17	10	58.8%
Tug															
Other special activities	48	39	81.3%	100	67	67.0%	55	43	78.2%	46	18	39.1%	249	167	67.1%
Other	6	3	50.0%	57	55	96.5%	52	45	86.5%	14	13	92.9%	129	116	89.9%
Total	1,858	1,521	82%	6,978	6,444	92%	3,518	3,076	87%	680	455	67%	13,034	11,496	88%

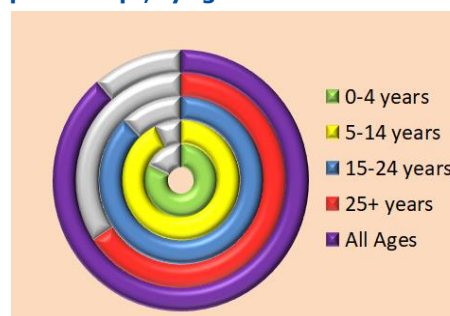
Table 121 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and age

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,891	3,654	93.9%	7,050	7,050	100.0%	3,263	3,071	94.1%	1,858	1,728	93.0%	16,062	15,503	96.5%
Refrigerated Cargo							99	99	100.0%	113		0.0%	212	99	46.7%
Heavy load	374	290	77.5%	558	460	82.4%	256	256	100.0%	703	664	94.5%	1,891	1,670	88.3%
Container	5,349	4,303	80.4%	26,626	24,648	92.6%	24,243	22,833	94.2%	2,977	2,473	83.1%	59,195	54,257	91.7%
Ro-Ro cargo	583	382	65.5%	10,813	10,676	98.7%	8,178	8,178	100.0%	822	822	100.0%	20,396	20,058	98.3%
Bulk Carrier	38,940	31,862	81.8%	153,075	143,212	93.6%	45,843	39,730	86.7%	8,127	4,960	61.0%	245,985	219,764	89.3%
Oil tanker	2,415	1,972	81.7%	22,396	19,840	88.6%	26,830	21,582	80.4%	2,260	255	11.3%	53,901	43,649	81.0%
Chemical tanker	8,923	7,590	85.1%	21,332	19,571	91.7%	8,613	7,642	88.7%	279	82	29.4%	39,147	34,885	89.1%
Combination carrier	162	162	100.0%	89	89	100.0%	59	59	100.0%				310	310	100.0%
Gas carrier	2,611	1,807	69.2%	7,825	7,775	99.4%	2,736	2,262	82.7%	1,515	1,009	66.6%	14,687	12,853	87.5%
NLS Tanker	2,171	2,171	100.0%	4,616	4,616	100.0%	2,429	2,429	100.0%	45	45	100.0%	9,261	9,261	100.0%
High speed passenger craft															
Passenger Ship	549	430	78.3%	509	509	100.0%	684	649	94.9%	1,014	1,014	100.0%	2,756	2,602	94.4%
RoRo passenger ship	1,105	514	46.5%	1,470	1,181	80.3%	3,217	2,457	76.4%	2,286	1,978	86.5%	8,078	6,130	75.9%
Offshore supply	29		0.0%	303	26	8.6%	59		0.0%	141	56	39.7%	532	82	15.4%
Special purpose ship	85	28	32.9%	347	322	92.8%	99	56	56.6%	96		0.0%	627	406	64.8%
Tug															
Other special activities	2,197	1,839	83.7%	4,652	3,032	65.2%	2,331	1,815	77.9%	2,007	660	32.9%	11,187	7,346	65.7%
Other	239	132	55.2%	2,548	2,478	97.3%	2,344	2,093	89.3%	580	554	95.5%	5,711	5,257	92.1%
Total	69,623	57,136	82%	264,209	245,485	93%	131,283	115,211	88%	24,823	16,300	66%	489,938	434,132	89%

Graph 111 - Proportion of large inspected ships, by age



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



VERY LARGE SHIPS

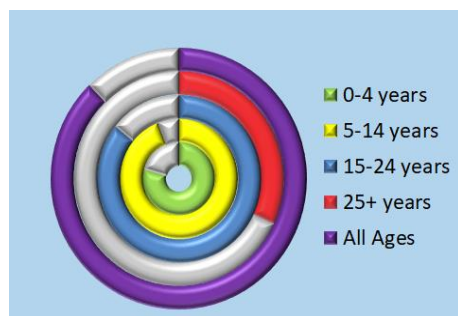
Table 122 - Total number of very large ships with and without inspections, by age and size

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	13	13	100.0%	12	12	100.0%	13	13	100.0%				38	38	100.0%
Refrigerated Cargo															
Heavy load	3		0.0%	4	2	50.0%							7	2	28.6%
Container	214	195	91.1%	876	876	100.0%	431	431	100.0%	13	13	100.0%	1,534	1,515	98.8%
Ro-Ro cargo	39	37	94.9%	150	150	100.0%	48	46	95.8%	3	3	100.0%	240	236	98.3%
Bulk Carrier	341	273	80.1%	1,270	1,259	99.1%	267	262	98.1%	2	1	50.0%	1,880	1,795	95.5%
Oil tanker	442	302	68.3%	1,041	912	87.6%	527	392	74.4%	40	6	15.0%	2,050	1,612	78.6%
Chemical tanker															
Combination carrier				1	1	100.0%	2	2	100.0%				3	3	100.0%
Gas carrier	139	117	84.2%	231	211	91.3%	129	101	78.3%	31	18	58.1%	530	447	84.3%
NLS Tanker	97	97	100.0%	111	111	100.0%	27	27	100.0%				235	235	100.0%
High speed passenger craft															
Passenger Ship	33	27	81.8%	62	62	100.0%	76	75	98.7%	15	15	100.0%	186	179	96.2%
RoRo passenger ship	1		0.0%	4	4	100.0%	2	2	100.0%				7	6	85.7%
Offshore supply	2		0.0%	1		0.0%	2	1	50.0%	4		0.0%	9	1	11.1%
Special purpose ship				2	2	100.0%	3		0.0%	1		0.0%	6	2	33.3%
Tug															
Other special activities	52	31	59.6%	82	18	22.0%	51	3	5.9%	76	3	3.9%	261	55	21.1%
Other	4	3	75.0%	11	11	100.0%	8	8	100.0%				23	22	95.7%
Total	1,380	1,095	79%	3,858	3,631	94%	1,586	1,363	86%	185	59	32%	7,009	6,148	88%

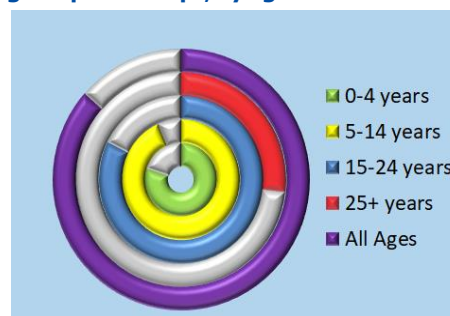
Table 123 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by age and size

PSC Ship Type	0-4 years			5-14 years			15-24 years			25+ years			All Ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	1,472	1,472	100.0%	978	978	100.0%	999	999	100.0%				3,449	3,449	100.0%
Refrigerated Cargo															
Heavy load	206		0.0%	304	176	57.9%							510	176	34.5%
Container	36,147	33,316	92.2%	102,906	102,906	100.0%	35,406	35,406	100.0%	965	965	100.0%	175,424	172,593	98.4%
Ro-Ro cargo	2,641	2,513	95.2%	10,256	10,256	100.0%	3,116	2,985	95.8%	207	207	100.0%	16,220	15,961	98.4%
Bulk Carrier	41,944	33,650	80.2%	127,101	126,067	99.2%	24,567	24,105	98.1%	210	146	69.5%	193,822	183,968	94.9%
Oil tanker	43,702	28,346	64.9%	108,258	92,230	85.2%	57,757	40,738	70.5%	4,529	773	17.1%	214,246	162,087	75.7%
Chemical tanker															
Combination carrier				60	60	100.0%	142	142	100.0%				202	202	100.0%
Gas carrier	16,540	14,089	85.2%	26,747	24,486	91.5%	13,275	10,365	78.1%	3,175	1,868	58.8%	59,737	50,808	85.1%
NLS Tanker	12,264	12,264	100.0%	13,983	13,983	100.0%	3,327	3,327	100.0%				29,574	29,574	100.0%
High speed passenger craft															
Passenger Ship	5,117	4,117	80.5%	7,806	7,806	100.0%	7,195	7,114	98.9%	1,133	1,133	100.0%	21,251	20,170	94.9%
RoRo passenger ship	65		0.0%	256	256	100.0%	150	150	100.0%				471	406	86.2%
Offshore supply	143		0.0%	60		0.0%	206	83	40.3%	370		0.0%	779	83	10.7%
Special purpose ship				505	505	100.0%	266		0.0%	64		0.0%	835	505	60.5%
Tug															
Other special activities	7,107	4,170	58.7%	8,151	1,671	20.5%	6,506	474	7.3%	9,534	322	3.4%	31,298	6,637	21.2%
Other	273	201	73.6%	698	698	100.0%	492	492	100.0%				1,463	1,391	95.1%
Total	167,621	134,138	80%	408,069	382,078	94%	153,404	126,380	82%	20,187	5,414	27%	749,281	648,010	86%

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



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



5.3. SHIPS INSPECTED BETWEEN 2019 AND 2021 – BY P&I

WHOLE FLEET GT≥500

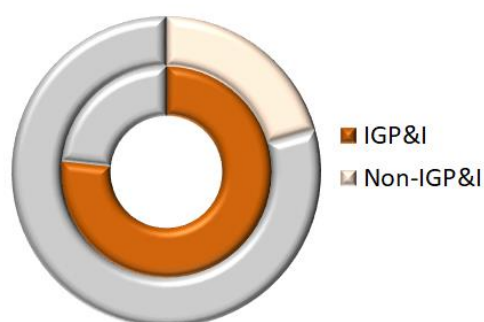
Table 124 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	4,323	3,754	86.8%	8,563	2,886	33.7%	12,886	6,640	51.5%
Refrigerated Cargo	453	261	57.6%	894	253	28.3%	1,347	514	38.2%
Heavy load	115	99	86.1%	24	4	16.7%	139	103	74.1%
Container	4,244	3,942	92.9%	1,090	680	62.4%	5,334	4,622	86.7%
Ro-Ro cargo	871	806	92.5%	303	82	27.1%	1,174	888	75.6%
Bulk Carrier	10,026	9,509	94.8%	1,457	549	37.7%	11,483	10,058	87.6%
Oil tanker	4,543	3,064	67.4%	3,384	484	14.3%	7,927	3,548	44.8%
Chemical tanker	3,798	3,258	85.8%	927	222	23.9%	4,725	3,480	73.7%
Combination carrier	29	25	86.2%	30	5	16.7%	59	30	50.8%
Gas carrier	1,557	1,279	82.1%	438	112	25.6%	1,995	1,391	69.7%
NLS Tanker	589	589	100.0%	33	24	72.7%	622	613	98.6%
High speed passenger craft	35	35	100.0%	12	12	100.0%	47	47	100.0%
Passenger Ship	583	429	73.6%	587	108	18.4%	1,170	537	45.9%
RoRo passenger ship	749	313	41.8%	1,588	50	3.1%	2,337	363	15.5%
Offshore supply	2,842	675	23.8%	1,865	135	7.2%	4,707	810	17.2%
Special purpose ship	235	155	66.0%	323	46	14.2%	558	201	36.0%
Tug	478	120	25.1%	519	26	5.0%	997	146	14.6%
Other special activities	1,387	645	46.5%	2,670	286	10.7%	4,057	931	22.9%
Other	1,229	258	21.0%	4,947	145	2.9%	6,176	403	6.5%
Total	38,086	29,216	77%	29,654	6,109	21%	67,740	35,325	52%

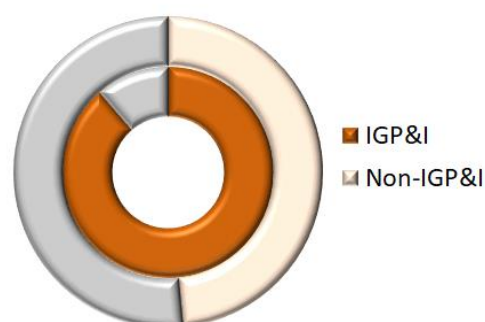
Table 125 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	47,748	45,276	94.8%	25,232	11,922	47.2%	72,980	57,198	78.4%
Refrigerated Cargo	2,766	2,103	76.0%	3,254	1,340	41.2%	6,019	3,443	57.2%
Heavy load	2,969	2,542	85.6%	405	58	14.3%	3,375	2,600	77.0%
Container	222,175	213,875	96.3%	38,973	34,768	89.2%	261,147	248,644	95.2%
Ro-Ro cargo	39,181	38,055	97.1%	2,544	1,027	40.4%	41,724	39,083	93.7%
Bulk Carrier	462,808	439,053	94.9%	30,501	10,926	35.8%	493,310	449,979	91.2%
Oil tanker	243,737	192,680	79.1%	42,141	19,611	46.5%	285,878	212,291	74.3%
Chemical tanker	62,932	56,521	89.8%	4,462	1,877	42.1%	67,394	58,398	86.7%
Combination carrier	655	642	98.0%	106	37	34.9%	762	679	89.1%
Gas carrier	77,997	66,599	85.4%	3,449	2,532	73.4%	81,446	69,130	84.9%
NLS Tanker	38,635	38,635	100.0%	1,504	1,494	99.3%	40,138	40,128	100.0%
High speed passenger craft	210	210	100.0%	27	27	100.0%	237	237	100.0%
Passenger Ship	25,082	23,633	94.2%	1,248	396	31.7%	26,329	24,029	91.3%
RoRo passenger ship	11,861	8,420	71.0%	6,083	514	8.4%	17,942	8,935	49.8%
Offshore supply	10,628	3,024	28.5%	3,767	342	9.1%	14,395	3,366	23.4%
Special purpose ship	2,912	2,040	70.1%	1,207	178	14.7%	4,119	2,218	53.8%
Tug	583	267	45.8%	442	26	5.9%	1,025	293	28.6%
Other special activities	40,381	15,724	38.9%	12,563	1,429	11.4%	52,944	17,153	32.4%
Other	9,261	6,914	74.7%	7,066	1,130	16.0%	16,326	8,043	49.3%
Total	1,302,521	1,156,213	89%	184,974	89,634	48%	1,487,490	1,245,847	84%

Graph 115 - Proportion of inspected ships GT≥500, by P&I status



Graph 116 - Proportion of gross tonnage for inspected ships GT≥500, by P&I status



MEDIUM SHIPS

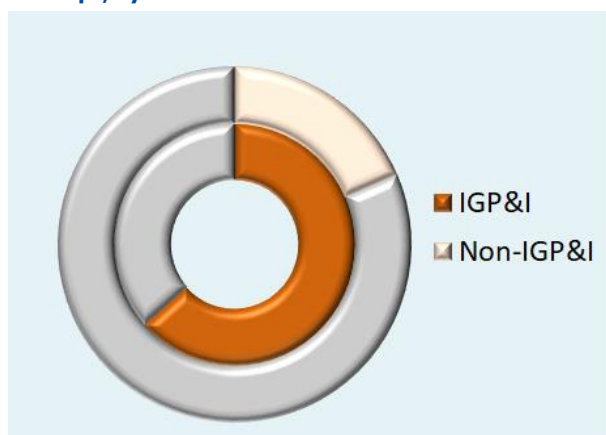
Table 126 - Total number of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	3,856	3,295	85.5%	8,539	2,871	33.6%	12,395	6,166	49.7%
Refrigerated Cargo	450	258	57.3%	891	253	28.4%	1,341	511	38.1%
Heavy load	65	55	84.6%	19	3	15.8%	84	58	69.0%
Container	1,575	1,379	87.6%	644	280	43.5%	2,219	1,659	74.8%
Ro-Ro cargo	217	165	76.0%	295	74	25.1%	512	239	46.7%
Bulk Carrier	2,129	2,049	96.2%	890	389	43.7%	3,019	2,438	80.8%
Oil tanker	1,569	621	39.6%	2,982	240	8.0%	4,551	861	18.9%
Chemical tanker	2,520	2,106	83.6%	884	197	22.3%	3,404	2,303	67.7%
Combination carrier	18	14	77.8%	30	5	16.7%	48	19	39.6%
Gas carrier	729	568	77.9%	398	80	20.1%	1,127	648	57.5%
NLS Tanker	131	131	100.0%	16	7	43.8%	147	138	93.9%
High speed passenger craft	35	35	100.0%	12	12	100.0%	47	47	100.0%
Passenger Ship	334	191	57.2%	583	104	17.8%	917	295	32.2%
RoRo passenger ship	528	138	26.1%	1,572	45	2.9%	2,100	183	8.7%
Offshore supply	2,822	672	23.8%	1,861	135	7.3%	4,683	807	17.2%
Special purpose ship	215	143	66.5%	320	46	14.4%	535	189	35.3%
Tug	478	120	25.1%	519	26	5.0%	997	146	14.6%
Other special activities	969	431	44.5%	2,578	278	10.8%	3,547	709	20.0%
Other	1,097	135	12.3%	4,927	130	2.6%	6,024	265	4.4%
Total	19,737	12,506	63%	27,960	5,175	19%	47,697	17,681	37%

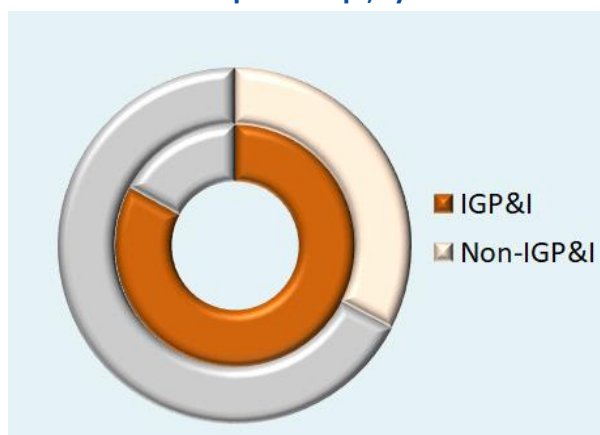
Table 127 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I		Non IGP&I		All Status				
	Global	Inspected	Global	Inspected	Global	Inspected			
General cargo/Multipurpose	29,163	26,993	92.6%	24,305	11,254	46.3%	53,468	38,247	71.5%
Refrigerated Cargo	2,667	2,004	75.1%	3,140	1,340	42.7%	5,807	3,344	57.6%
Heavy load	845	733	86.7%	128	21	16.4%	973	754	77.5%
Container	20,861	18,628	89.3%	5,668	3,166	55.9%	26,529	21,794	82.2%
Ro-Ro cargo	3,055	2,526	82.7%	2,054	537	26.1%	5,109	3,063	60.0%
Bulk Carrier	42,000	40,724	97.0%	11,503	5,523	48.0%	53,503	46,247	86.4%
Oil tanker	9,403	5,278	56.1%	8,328	1,277	15.3%	17,731	6,555	37.0%
Chemical tanker	25,014	22,340	89.3%	3,233	1,173	36.3%	28,247	23,513	83.2%
Combination carrier	143	129	90.2%	106	37	34.9%	249	166	66.7%
Gas carrier	5,975	4,984	83.4%	1,047	486	46.4%	7,022	5,470	77.9%
NLS Tanker	1,268	1,268	100.0%	36	26	72.2%	1,304	1,294	99.2%
High speed passenger craft	210	210	100.0%	27	27	100.0%	237	237	100.0%
Passenger Ship	1,244	1,031	82.9%	1,078	227	21.1%	2,322	1,258	54.2%
RoRo passenger ship	3,886	2,037	52.4%	5,508	361	6.6%	9,394	2,398	25.5%
Offshore supply	9,442	2,859	30.3%	3,641	342	9.4%	13,083	3,201	24.5%
Special purpose ship	1,533	1,129	73.6%	1,123	178	15.9%	2,656	1,307	49.2%
Tug	583	267	45.8%	442	26	5.9%	1,025	293	28.6%
Other special activities	4,111	2,260	55.0%	6,349	909	14.3%	10,460	3,169	30.3%
Other	2,845	867	30.5%	6,308	527	8.4%	9,153	1,394	15.2%
Total	164,248	136,267	83%	84,024	27,437	33%	248,272	163,704	66%

Graph 117 - Proportion of medium sized inspected ships, by P&I status



Graph 118 - Proportion of gross tonnage for medium sized inspected ships, by P&I status



LARGE SHIPS

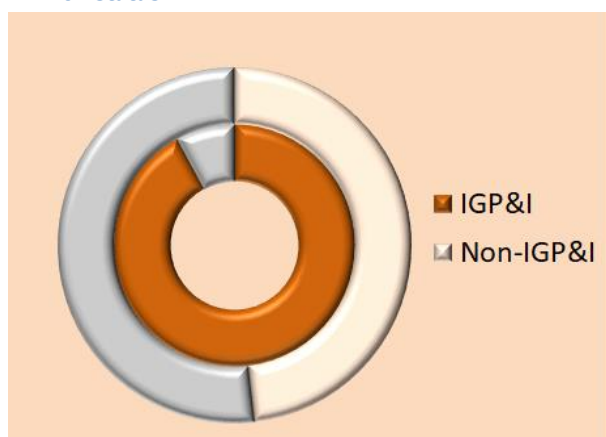
Table 128 - Total number of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	432	424	98.1%	21	12	57.1%	453	436	96.2%
Refrigerated Cargo	3	3	100.0%	3	0	0.0%	6	3	50.0%
Heavy load	46	42	91.3%	2	1	50.0%	48	43	89.6%
Container	1,338	1,250	93.4%	243	198	81.5%	1,581	1,448	91.6%
Ro-Ro cargo	416	407	97.8%	6	6	100.0%	422	413	97.9%
Bulk Carrier	6,025	5,670	94.1%	559	155	27.7%	6,584	5,825	88.5%
Oil tanker	1,166	971	83.3%	160	104	65.0%	1,326	1,075	81.1%
Chemical tanker	1,278	1,152	90.1%	43	25	58.1%	1,321	1,177	89.1%
Combination carrier	8	8	100.0%				8	8	100.0%
Gas carrier	308	273	88.6%	30	23	76.7%	338	296	87.6%
NLS Tanker	231	231	100.0%	9	9	100.0%	240	240	100.0%
High speed passenger craft									
Passenger Ship	63	59	93.7%	4	4	100.0%	67	63	94.0%
RoRo passenger ship	214	169	79.0%	16	5	31.3%	230	174	75.7%
Offshore supply	11	2	18.2%	4	0	0.0%	15	2	13.3%
Special purpose ship	14	10	71.4%	3	0	0.0%	17	10	58.8%
Tug									
Other special activities	207	163	78.7%	42	4	9.5%	249	167	67.1%
Other	109	101	92.7%	20	15	75.0%	129	116	89.9%
Total	11,869	10,935	92%	1,165	561	48%	13,034	11,496	88%

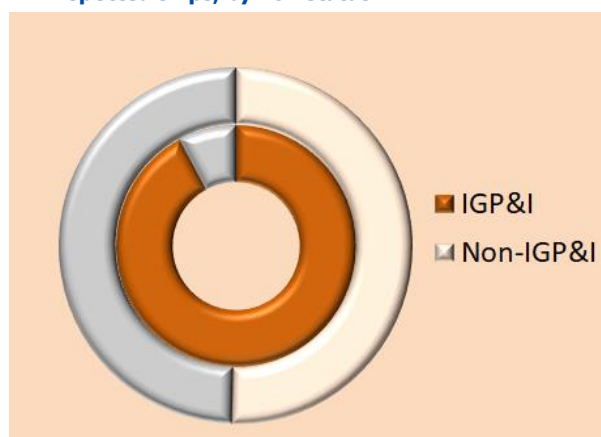
Table 129 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	15,450	15,148	98.0%	613	354	57.7%	16,063	15,502	96.5%
Refrigerated Cargo	99	99	100.0%	113	0	0.0%	212	99	46.7%
Heavy load	1,814	1,633	90.0%	77	37	48.1%	1,891	1,670	88.3%
Container	49,861	46,389	93.0%	9,334	7,868	84.3%	59,195	54,257	91.7%
Ro-Ro cargo	20,050	19,713	98.3%	345	345	100.0%	20,395	20,058	98.3%
Bulk Carrier	227,630	214,752	94.3%	18,355	5,012	27.3%	245,985	219,764	89.3%
Oil tanker	46,749	38,987	83.4%	7,151	4,662	65.2%	53,900	43,649	81.0%
Chemical tanker	37,918	34,181	90.1%	1,229	704	57.3%	39,147	34,885	89.1%
Combination carrier	311	311	100.0%				311	311	100.0%
Gas carrier	13,375	11,835	88.5%	1,311	1,017	77.6%	14,686	12,852	87.5%
NLS Tanker	8,864	8,864	100.0%	396	396	100.0%	9,260	9,260	100.0%
High speed passenger craft									
Passenger Ship	2,587	2,433	94.0%	169	169	100.0%	2,756	2,602	94.4%
RoRo passenger ship	7,503	5,977	79.7%	574	154	26.8%	8,077	6,131	75.9%
Offshore supply	406	82	20.2%	126	0	0.0%	532	82	15.4%
Special purpose ship	543	406	74.8%	84	0	0.0%	627	406	64.8%
Tug									
Other special activities	9,189	7,184	78.2%	1,997	162	8.1%	11,186	7,346	65.7%
Other	4,952	4,656	94.0%	758	602	79.4%	5,710	5,258	92.1%
Total	447,301	412,650	92%	42,632	21,482	50%	489,933	434,132	89%

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



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



VERY LARGE SHIPS

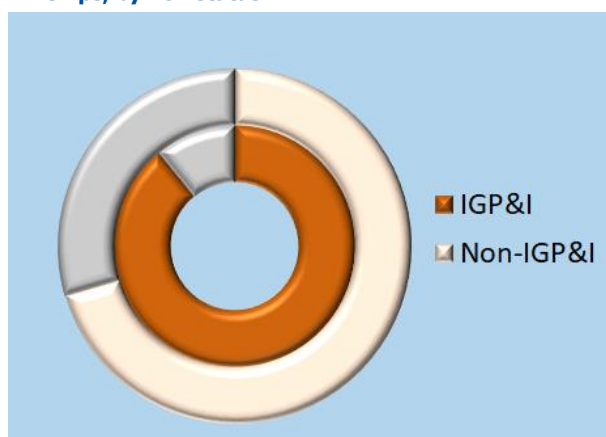
Table 130 - Total number of very large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	35	35	100.0%	3	3	100.0%	38	38	100.0%
Refrigerated Cargo									
Heavy load	4	2	50.0%	3	0	0.0%	7	2	28.6%
Container	1,331	1,313	98.6%	203	202	99.5%	1,534	1,515	98.8%
Ro-Ro cargo	238	234	98.3%	2	2	100.0%	240	236	98.3%
Bulk Carrier	1,872	1,790	95.6%	8	5	62.5%	1,880	1,795	95.5%
Oil tanker	1,808	1,472	81.4%	242	140	57.9%	2,050	1,612	78.6%
Chemical tanker									
Combination carrier	3	3	100.0%				3	3	100.0%
Gas carrier	520	438	84.2%	10	9	90.0%	530	447	84.3%
NLS Tanker	227	227	100.0%	8	8	100.0%	235	235	100.0%
High speed passenger craft									
Passenger Ship	186	179	96.2%				186	179	96.2%
RoRo passenger ship	7	6	85.7%				7	6	85.7%
Offshore supply	9	1	11.1%				9	1	11.1%
Special purpose ship	6	2	33.3%				6	2	33.3%
Tug									
Other special activities	211	51	24.2%	50	4	8.0%	261	55	21.1%
Other	23	22	95.7%				23	22	95.7%
Total	6,480	5,775	89%	529	373	71%	7,009	6,148	88%

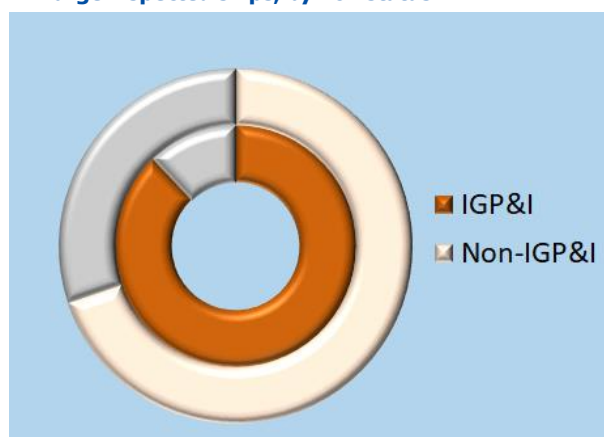
Table 131 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by PSC type and P&I status

PSC Ship Type	IGP&I			Non IGP&I			All Status		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,135	3,135	100.0%	314	314	100.0%	3,449	3,449	100.0%
Refrigerated Cargo									
Heavy load	310	176	56.8%	201	0	0.0%	511	176	34.4%
Container	151,453	148,858	98.3%	23,970	23,735	99.0%	175,423	172,593	98.4%
Ro-Ro cargo	16,075	15,817	98.4%	145	145	100.0%	16,220	15,962	98.4%
Bulk Carrier	193,179	183,577	95.0%	643	391	60.8%	193,822	183,968	94.9%
Oil tanker	187,585	148,415	79.1%	26,662	13,672	51.3%	214,247	162,087	75.7%
Chemical tanker									
Combination carrier	202	202	100.0%				202	202	100.0%
Gas carrier	58,647	49,779	84.9%	1,091	1,029	94.3%	59,738	50,808	85.1%
NLS Tanker	28,503	28,503	100.0%	1,071	1,071	100.0%	29,574	29,574	100.0%
High speed passenger craft									
Passenger Ship	21,251	20,169	94.9%				21,251	20,169	94.9%
RoRo passenger ship	471	406	86.2%				471	406	86.2%
Offshore supply	780	83	10.6%				780	83	10.6%
Special purpose ship	836	505	60.4%				836	505	60.4%
Tug									
Other special activities	27,081	6,280	23.2%	4,217	358	8.5%	31,298	6,638	21.2%
Other	1,463	1,391	95.1%				1,463	1,391	95.1%
Total	690,971	607,296	88%	58,314	40,715	70%	749,285	648,011	86%

Graph 121 - Proportion of very large inspected ships, by P&I status



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



5.4. SHIPS INSPECTED BETWEEN 2019 AND 2021 – BY FLAG

WHOLE FLEET GT≥500

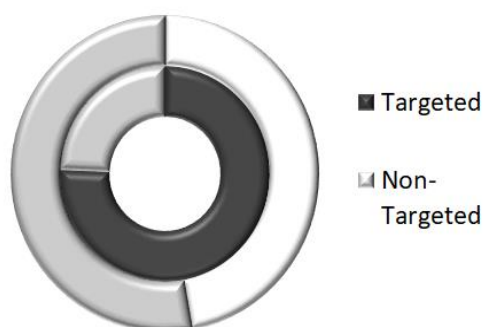
Table 132 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,048	2,559	84.0%	9,838	4,081	41.5%	12,886	6,640	51.5%
Refrigerated Cargo	221	161	72.9%	1,126	353	31.3%	1,347	514	38.2%
Heavy load	16	15	93.8%	123	88	71.5%	139	103	74.1%
Container	963	923	95.8%	4,371	3,699	84.6%	5,334	4,622	86.7%
Ro-Ro cargo	271	223	82.3%	903	665	73.6%	1,174	888	75.6%
Bulk Carrier	2,798	2,706	96.7%	8,685	7,352	84.7%	11,483	10,058	87.6%
Oil tanker	950	541	56.9%	6,977	3,007	43.1%	7,927	3,548	44.8%
Chemical tanker	719	572	79.6%	4,006	2,908	72.6%	4,725	3,480	73.7%
Combination carrier	7	6	85.7%	52	24	46.2%	59	30	50.8%
Gas carrier	333	278	83.5%	1,662	1,113	67.0%	1,995	1,391	69.7%
NLS Tanker	85	84	98.8%	537	529	98.5%	622	613	98.6%
High speed passenger craft	20	20	100.0%	27	27	100.0%	47	47	100.0%
Passenger Ship	103	51	49.5%	1,067	486	45.5%	1,170	537	45.9%
RoRo passenger ship	218	82	37.6%	2,119	281	13.3%	2,337	363	15.5%
Offshore supply	863	175	20.3%	3,844	635	16.5%	4,707	810	17.2%
Special purpose ship	57	30	52.6%	501	171	34.1%	558	201	36.0%
Tug	110	24	21.8%	887	122	13.8%	997	146	14.6%
Other special activities	520	252	48.5%	3,537	679	19.2%	4,057	931	22.9%
Other	426	171	40.1%	5,750	232	4.0%	6,176	403	6.5%
Total	11,728	8,873	76%	56,012	26,452	47%	67,740	35,325	52%

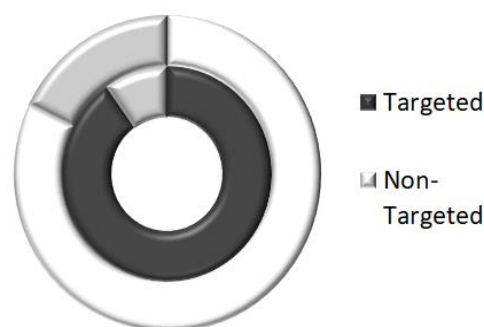
Table 133 - Gross tonnage (in 1000 gt) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	20,273	18,841	92.9%	52,707	38,358	72.8%	72,979	57,197	78.4%
Refrigerated Cargo	1,162	999	86.0%	4,858	2,444	50.3%	6,020	3,443	57.2%
Heavy load	249	236	94.8%	3,126	2,364	75.6%	3,374	2,601	77.1%
Container	44,778	44,306	98.9%	216,369	204,337	94.4%	261,148	248,642	95.2%
Ro-Ro cargo	9,892	9,559	96.6%	31,832	29,523	92.7%	41,725	39,082	93.7%
Bulk Carrier	117,174	112,719	96.2%	376,135	337,260	89.7%	493,309	449,980	91.2%
Oil tanker	42,690	31,376	73.5%	243,188	180,916	74.4%	285,878	212,291	74.3%
Chemical tanker	9,122	7,523	82.5%	58,272	50,874	87.3%	67,394	58,397	86.7%
Combination carrier	210	205	97.6%	552	473	85.7%	762	679	89.1%
Gas carrier	11,703	10,240	87.5%	69,743	58,891	84.4%	81,447	69,131	84.9%
NLS Tanker	4,943	4,942	100.0%	35,196	35,187	100.0%	40,139	40,129	100.0%
High speed passenger craft	95	95	100.0%	143	143	100.0%	238	238	100.0%
Passenger Ship	3,136	3,080	98.2%	23,193	20,950	90.3%	26,329	24,030	91.3%
RoRo passenger ship	2,409	1,871	77.7%	15,534	7,063	45.5%	17,943	8,934	49.8%
Offshore supply	2,277	556	24.4%	12,118	2,810	23.2%	14,394	3,366	23.4%
Special purpose ship	454	341	75.1%	3,666	1,878	51.2%	4,119	2,218	53.8%
Tug	106	33	31.1%	919	259	28.2%	1,025	292	28.5%
Other special activities	9,606	5,702	59.4%	43,338	11,451	26.4%	52,943	17,153	32.4%
Other	3,913	3,538	90.4%	12,414	4,506	36.3%	16,326	8,043	49.3%
Total	284,192	256,162	90%	1,203,303	989,687	82%	1,487,492	1,245,846	84%

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



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



MEDIUM SIZED SHIPS

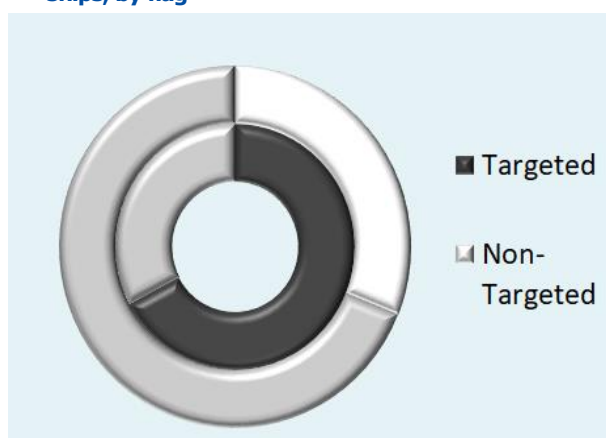
Table 134 - Total number of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	2,945	2,456	83.4%	9,450	3,710	39.3%	12,395	6,166	49.7%
Refrigerated Cargo	221	161	72.9%	1,120	350	31.3%	1,341	511	38.1%
Heavy load	13	12	92.3%	71	46	64.8%	84	58	69.0%
Container	480	448	93.3%	1,739	1,211	69.6%	2,219	1,659	74.8%
Ro-Ro cargo	114	66	57.9%	398	173	43.5%	512	239	46.7%
Bulk Carrier	794	773	97.4%	2,225	1,665	74.8%	3,019	2,438	80.8%
Oil tanker	509	198	38.9%	4,042	663	16.4%	4,551	861	18.9%
Chemical tanker	565	448	79.3%	2,839	1,855	65.3%	3,404	2,303	67.7%
Combination carrier	4	3	75.0%	44	16	36.4%	48	19	39.6%
Gas carrier	181	143	79.0%	946	505	53.4%	1,127	648	57.5%
NLS Tanker	25	24	96.0%	122	114	93.4%	147	138	93.9%
High speed passenger craft	20	20	100.0%	27	27	100.0%	47	47	100.0%
Passenger Ship	72	20	27.8%	845	275	32.5%	917	295	32.2%
RoRo passenger ship	181	50	27.6%	1,919	133	6.9%	2,100	183	8.7%
Offshore supply	861	175	20.3%	3,822	632	16.5%	4,683	807	17.2%
Special purpose ship	51	25	49.0%	484	164	33.9%	535	189	35.3%
Tug	110	24	21.8%	887	122	13.8%	997	146	14.6%
Other special activities	381	154	40.4%	3,166	555	17.5%	3,547	709	20.0%
Other	363	108	29.8%	5,661	157	2.8%	6,024	265	4.4%
Total	7,890	5,308	67%	39,807	12,373	31%	47,697	17,681	37%

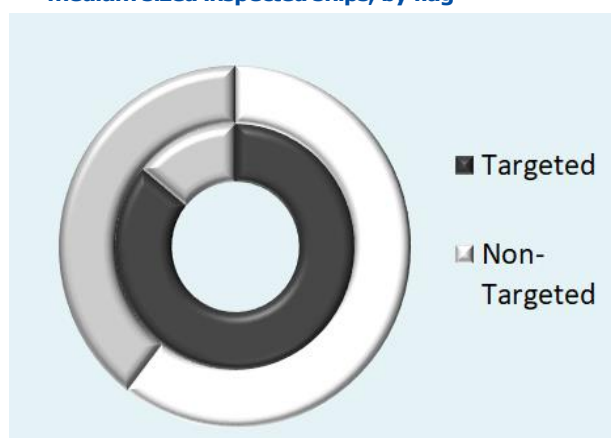
Table 135 - Gross tonnage (in 1000 gt) of medium sized ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	16,013	14,581	91.1%	37,455	23,665	63.2%	53,468	38,246	71.5%
Refrigerated Cargo	1,162	999	86.0%	4,646	2,345	50.5%	5,808	3,344	57.6%
Heavy load	158	145	91.8%	815	610	74.8%	973	755	77.6%
Container	5,980	5,741	96.0%	20,549	16,052	78.1%	26,529	21,793	82.1%
Ro-Ro cargo	1,054	721	68.4%	4,055	2,342	57.8%	5,109	3,063	60.0%
Bulk Carrier	14,216	13,892	97.7%	39,287	32,355	82.4%	53,503	46,247	86.4%
Oil tanker	2,286	1,410	61.7%	15,445	5,145	33.3%	17,731	6,555	37.0%
Chemical tanker	4,587	3,881	84.6%	23,660	19,632	83.0%	28,247	23,513	83.2%
Combination carrier	39	34	87.2%	210	132	62.9%	249	166	66.7%
Gas carrier	1,307	1,050	80.3%	5,715	4,420	77.3%	7,022	5,470	77.9%
NLS Tanker	201	200	99.5%	1,103	1,094	99.2%	1,304	1,294	99.2%
High speed passenger craft	95	95	100.0%	143	143	100.0%	238	238	100.0%
Passenger Ship	138	82	59.4%	2,184	1,176	53.8%	2,322	1,258	54.2%
RoRo passenger ship	1,136	768	67.6%	8,258	1,629	19.7%	9,394	2,397	25.5%
Offshore supply	2,209	556	25.2%	10,873	2,645	24.3%	13,082	3,201	24.5%
Special purpose ship	181	129	71.3%	2,475	1,178	47.6%	2,656	1,307	49.2%
Tug	106	33	31.1%	919	259	28.2%	1,025	292	28.5%
Other special activities	1,281	744	58.1%	9,178	2,425	26.4%	10,459	3,169	30.3%
Other	913	538	58.9%	8,240	856	10.4%	9,153	1,394	15.2%
Total	53,062	45,599	86%	195,210	118,103	61%	248,272	163,702	66%

Graph 125 - Proportion of medium sized inspected ships, by flag



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



LARGE SHIPS

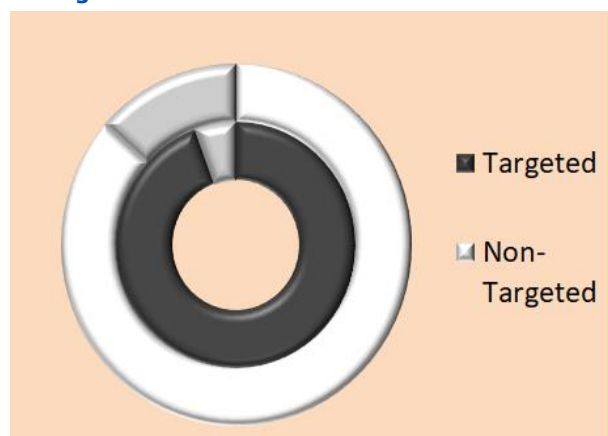
Table 136 - Total number of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	92	92	100.0%	361	344	95.3%	453	436	96.2%
Refrigerated Cargo				6	3	50.0%	6	3	50.0%
Heavy load	3	3	100.0%	45	40	88.9%	48	43	89.6%
Container	256	248	96.9%	1,325	1,200	90.6%	1,581	1,448	91.6%
Ro-Ro cargo	105	105	100.0%	317	308	97.2%	422	413	97.9%
Bulk Carrier	1,565	1,512	96.6%	5,019	4,313	85.9%	6,584	5,825	88.5%
Oil tanker	179	150	83.8%	1,147	925	80.6%	1,326	1,075	81.1%
Chemical tanker	154	124	80.5%	1,167	1,053	90.2%	1,321	1,177	89.1%
Combination carrier	1	1	100.0%	7	7	100.0%	8	8	100.0%
Gas carrier	97	87	89.7%	241	209	86.7%	338	296	87.6%
NLS Tanker	39	39	100.0%	201	201	100.0%	240	240	100.0%
High speed passenger craft									
Passenger Ship	4	4	100.0%	63	59	93.7%	67	63	94.0%
RoRo passenger ship	37	32	86.5%	193	142	73.6%	230	174	75.7%
Offshore supply	2		0.0%	13	2	15.4%	15	2	13.3%
Special purpose ship	5	5	100.0%	12	5	41.7%	17	10	58.8%
Tug									
Other special activities	105	91	86.7%	144	76	52.8%	249	167	67.1%
Other	54	54	100.0%	75	62	82.7%	129	116	89.9%
Total	2,698	2,547	94%	10,336	8,949	87%	13,034	11,496	88%

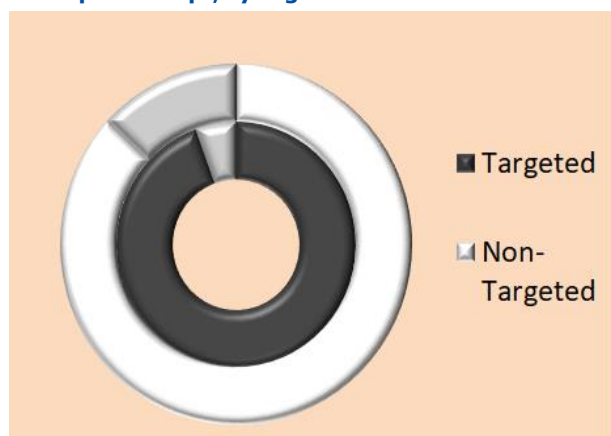
Table 137 - Gross tonnage (in 1000 gt) of large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	3,278	3,278	100.0%	12,784	12,224	95.6%	16,062	15,502	96.5%
Refrigerated Cargo				212	99	46.7%	212	99	46.7%
Heavy load	91	91	100.0%	1,800	1,579	87.7%	1,891	1,670	88.3%
Container	9,373	9,138	97.5%	49,823	45,119	90.6%	59,196	54,257	91.7%
Ro-Ro cargo	5,414	5,414	100.0%	14,982	14,644	97.7%	20,396	20,058	98.3%
Bulk Carrier	59,131	57,174	96.7%	186,853	162,590	87.0%	245,984	219,764	89.3%
Oil tanker	7,471	6,205	83.1%	46,430	37,444	80.6%	53,901	43,649	81.0%
Chemical tanker	4,535	3,642	80.3%	34,612	31,242	90.3%	39,147	34,884	89.1%
Combination carrier	29	29	100.0%	282	282	100.0%	311	311	100.0%
Gas carrier	4,161	3,742	89.9%	10,526	9,111	86.6%	14,687	12,853	87.5%
NLS Tanker	1,660	1,660	100.0%	7,601	7,601	100.0%	9,261	9,261	100.0%
High speed passenger craft									
Passenger Ship	182	182	100.0%	2,574	2,420	94.0%	2,756	2,602	94.4%
RoRo passenger ship	1,273	1,103	86.6%	6,805	5,028	73.9%	8,078	6,131	75.9%
Offshore supply	67		0.0%	465	82	17.6%	532	82	15.4%
Special purpose ship	211	211	100.0%	416	195	46.9%	627	406	64.8%
Tug									
Other special activities	4,587	3,949	86.1%	6,598	3,396	51.5%	11,185	7,345	65.7%
Other	2,430	2,430	100.0%	3,280	2,828	86.2%	5,710	5,258	92.1%
Total	103,893	98,248	95%	386,043	335,884	87%	489,936	434,132	89%

Graph 127 - Proportion of large inspected ships, by flag



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



VERY LARGE SHIPS

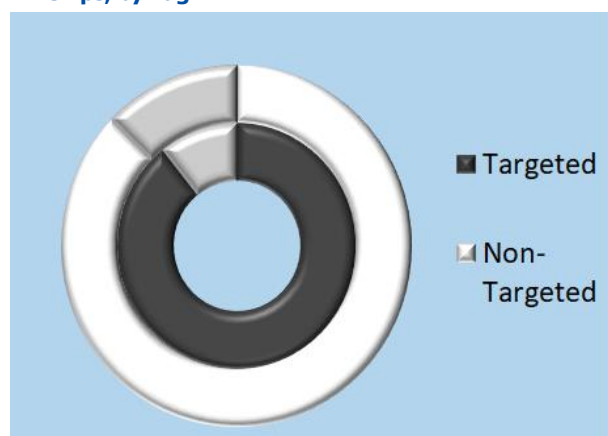
Table 138 - Total number of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	11	11	100.0%	27	27	100.0%	38	38	100.0%
Refrigerated Cargo									
Heavy load				7	2	28.6%	7	2	28.6%
Container	227	227	100.0%	1,307	1,288	98.5%	1,534	1,515	98.8%
Ro-Ro cargo	52	52	100.0%	188	184	97.9%	240	236	98.3%
Bulk Carrier	439	421	95.9%	1,441	1,374	95.4%	1,880	1,795	95.5%
Oil tanker	262	193	73.7%	1,788	1,419	79.4%	2,050	1,612	78.6%
Chemical tanker									
Combination carrier	2	2	100.0%	1	1	100.0%	3	3	100.0%
Gas carrier	55	48	87.3%	475	399	84.0%	530	447	84.3%
NLS Tanker	21	21	100.0%	214	214	100.0%	235	235	100.0%
High speed passenger craft									
Passenger Ship	27	27	100.0%	159	152	95.6%	186	179	96.2%
RoRo passenger ship				7	6	85.7%	7	6	85.7%
Offshore supply				9	1	11.1%	9	1	11.1%
Special purpose ship	1		0.0%	5	2	40.0%	6	2	33.3%
Tug									
Other special activities	34	7	20.6%	227	48	21.1%	261	55	21.1%
Other	9	9	100.0%	14	13	92.9%	23	22	95.7%
Total	1,140	1,018	89%	5,869	5,130	87%	7,009	6,148	88%

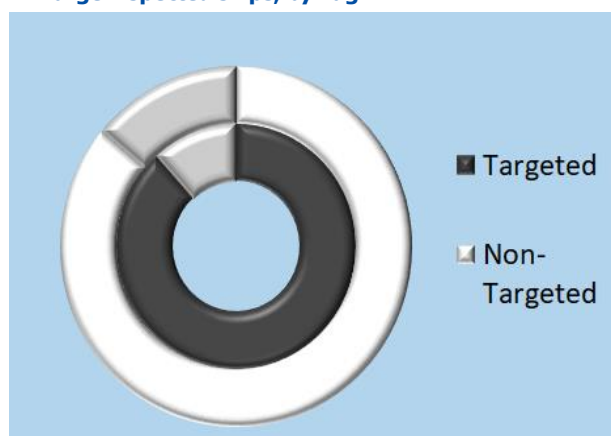
Table 139 - Gross tonnage (in 1000 gt) of very large ships with and without inspections, by PSC type and flag

PSC Ship Type	Targeted Flags			Non Targeted Flags			All Flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
General cargo/Multipurpose	981	981	100.0%	2,468	2,468	100.0%	3,449	3,449	100.0%
Refrigerated Cargo									
Heavy load				510	176	34.5%	510	176	34.5%
Container	29,426	29,426	100.0%	145,997	143,166	98.1%	175,423	172,592	98.4%
Ro-Ro cargo	3,424	3,424	100.0%	12,796	12,537	98.0%	16,220	15,961	98.4%
Bulk Carrier	43,827	41,654	95.0%	149,995	142,315	94.9%	193,822	183,969	94.9%
Oil tanker	32,934	23,761	72.1%	181,312	138,326	76.3%	214,246	162,087	75.7%
Chemical tanker									
Combination carrier	142	142	100.0%	60	60	100.0%	202	202	100.0%
Gas carrier	6,236	5,448	87.4%	53,502	45,360	84.8%	59,738	50,808	85.1%
NLS Tanker	3,082	3,082	100.0%	26,492	26,492	100.0%	29,574	29,574	100.0%
High speed passenger craft									
Passenger Ship	2,816	2,816	100.0%	18,435	17,354	94.1%	21,251	20,170	94.9%
RoRo passenger ship				471	406	86.2%	471	406	86.2%
Offshore supply				780	83	10.6%	780	83	10.6%
Special purpose ship	61		0.0%	775	505	65.2%	836	505	60.4%
Tug									
Other special activities	3,738	1,009	27.0%	27,561	5,630	20.4%	31,299	6,639	21.2%
Other	570	570	100.0%	893	821	91.9%	1,463	1,391	95.1%
Total	127,237	112,313	88%	622,047	535,699	86%	749,284	648,012	86%

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



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

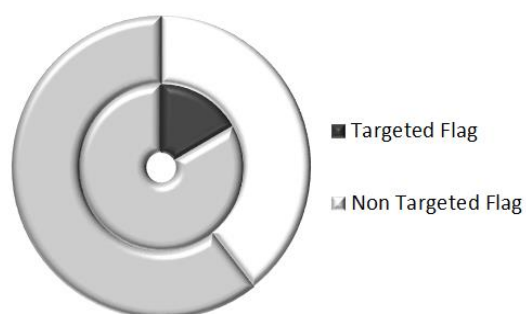


5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

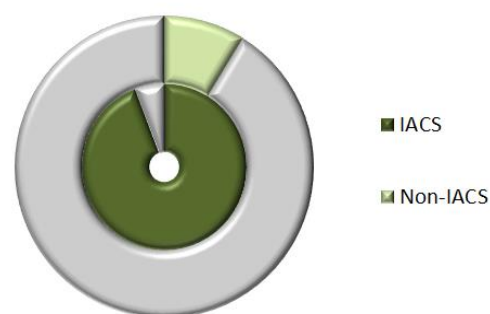
WHOLE FLEET GT≥500 TOTAL NUMBER OF INSPECTIONS WITH STATUTORY CERTIFICATES FOR SHIPS GT≥500, BY TYPE OF ISSUER

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	31,645	6,475	8,442	27,242	6,229
Refrigerated Cargo	860	108	421	738	155
Heavy load	253	62	177	253	2
Container	11,197	2,304	4,819	11,076	243
Ro-Ro cargo	2,312	567	1,420	2,218	169
Bulk Carrier	29,035	5,285	13,272	28,680	1,021
Oil tanker	5,363	466	3,818	5,148	314
Chemical tanker	7,255	715	4,082	7,056	273
Combination carrier	19	2	13	15	5
Gas carrier	2,190	343	1,274	2,160	82
NLS Tanker	7,607	9	111	7,593	14
High speed passenger craft	127	75	51	123	26
Passenger Ship	1,644	58	773	1,606	51
RoRo passenger ship	1,237	277	907	1,222	30
Offshore supply	1,168	184	838	1,144	48
Special purpose ship	328	48	232	320	28
Tug	193	30	116	180	24
Other special activities	1,742	270	515	1,610	213
Other	2,295	498	692	1,895	427
Total	106,470	17,776	41,973	100,279	9,354

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



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

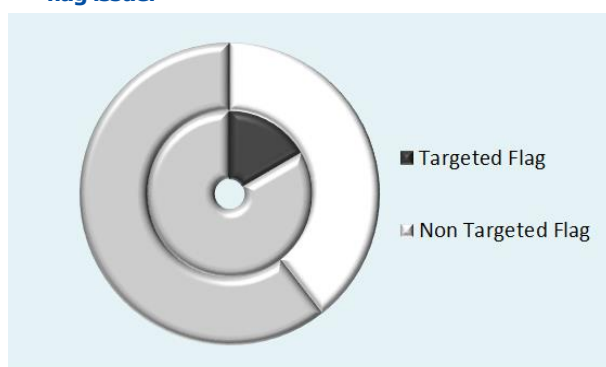


MEDIUM SIZED SHIPS

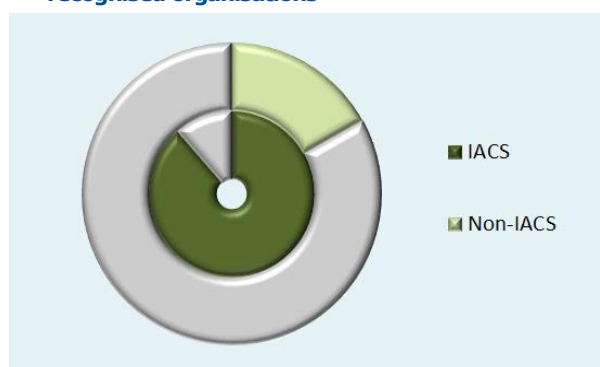
Table 140 - Total number of inspections with statutory certificates for medium sized ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	22,481	6,418	7,974	18,102	6,197
Refrigerated Cargo	853	108	415	732	154
Heavy load	206	60	142	206	2
Container	3,333	1,122	1,206	3,305	100
Ro-Ro cargo	651	198	355	561	129
Bulk Carrier	9,197	1,691	3,815	9,055	556
Oil tanker	1,198	197	794	1,003	272
Chemical tanker	4,220	567	2,541	4,073	209
Combination carrier	10	2	5	7	4
Gas carrier	1,215	221	683	1,193	47
NLS Tanker	1,859	8	88	1,851	8
High speed passenger craft	127	75	51	123	26
Passenger Ship	596	34	395	566	38
RoRo passenger ship	538	164	335	525	25
Offshore supply	1,162	184	838	1,138	48
Special purpose ship	307	39	221	299	28
Tug	193	30	116	180	24
Other special activities	1,212	130	440	1,085	202
Other	949	313	317	553	421
Total	50,307	11,561	20,731	44,557	8,490

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



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

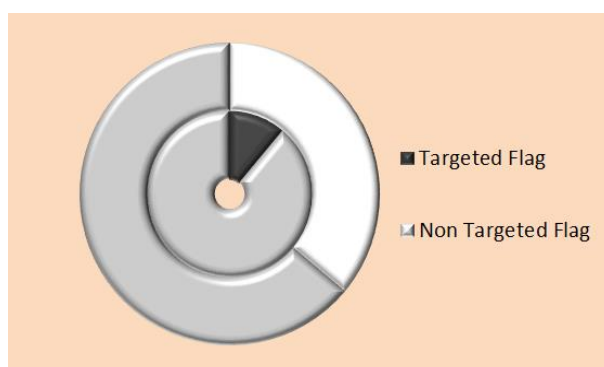


LARGE SHIPS

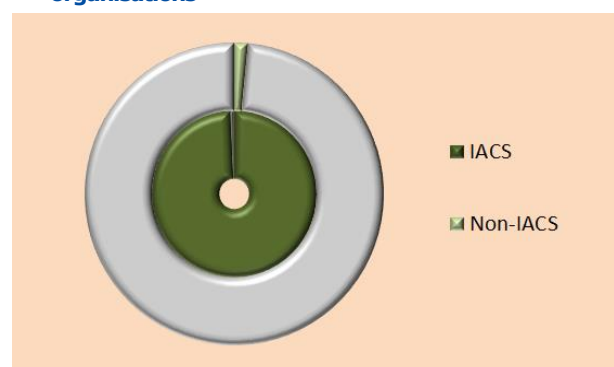
Table 141 - Total number of inspections with statutory certificates for large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	7,057	55	467	7,043	21
Refrigerated Cargo	7		6	6	1
Heavy load	41	2	32	41	
Container	3,438	509	1,639	3,407	46
Ro-Ro cargo	1,119	246	704	1,115	34
Bulk Carrier	16,088	2,719	7,285	15,951	356
Oil tanker	1,854	187	1,266	1,850	18
Chemical tanker	3,035	148	1,541	2,983	64
Combination carrier	6		5	5	1
Gas carrier	380	68	190	380	1
NLS Tanker	3,808	1	20	3,803	5
High speed passenger craft					
Passenger Ship	303	2	133	298	5
RoRo passenger ship	677	113	551	675	5
Offshore supply	6			6	
Special purpose ship	18	9	8	18	
Tug					
Other special activities	427	139	72	422	11
Other	816	131	190	812	6
Total	39,080	4,329	14,109	38,815	574

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



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

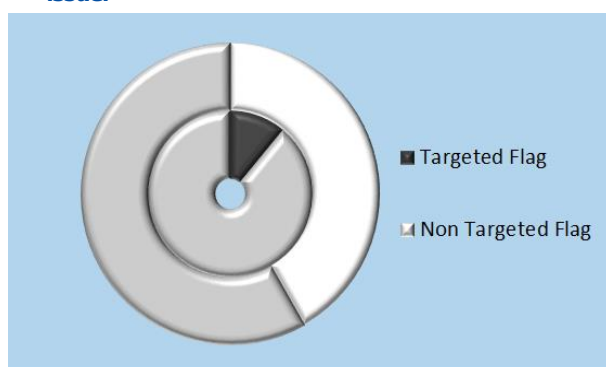


VERY LARGE SHIPS

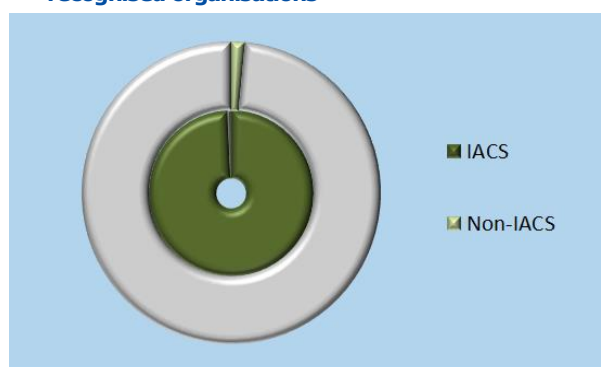
Table 142 - Total number of inspections with statutory certificates for very large ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Targeted	Non Targeted	IACS	Non-IACS
General cargo/Multipurpose	2,107	2	1	2,097	11
Refrigerated Cargo					
Heavy load	6		3	6	
Container	4,426	673	1,974	4,364	97
Ro-Ro cargo	542	123	361	542	6
Bulk Carrier	3,750	875	2,172	3,674	109
Oil tanker	2,311	82	1,758	2,295	24
Chemical tanker					
Combination carrier	3		3	3	
Gas carrier	595	54	401	587	34
NLS Tanker	1,940		3	1,939	1
High speed passenger craft					
Passenger Ship	745	22	245	742	8
RoRo passenger ship	22		21	22	
Offshore supply					
Special purpose ship	3		3	3	
Tug					
Other special activities	103	1	3	103	
Other	530	54	185	530	
Total	17,083	1,886	7,133	16,907	290

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



Graph 138 - Total number of inspections with statutory certificates for very large ships, by recognised organisations



5.6. STATUTORY CERTIFICATES

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

Group of Certificates	Inspections	Flags as issuer		Recognised Organisations	
		Targeted	Non Targeted	IACS	Non-IACS
ITC	60,482	3,854	7,367	45,084	4,177
Load Lines	69,123	214	1,412	61,497	6,000
SOLAS/STCW	61,578	17,882	43,329	272	95
SOLAS - ISM	73,598	1,196	8,424	56,403	7,575
SOLAS - ISPS	65,027	7,850	7,886	44,178	5,113
SOLAS - IMDG	19,889	75	857	18,108	849
SOLAS - GC	104	10	6	87	1
SOLAS - IGC	1,236	30	24	1,176	6
SOLAS - HSC	209	2	50	156	1
SOLAS - MODU	39	1	1	37	
SOLAS - SPS	594		124	462	8
SOLAS - PSCC	2,011	52	640	1,279	40
SOLAS - CSS	70,185	660	2,805	60,585	6,135
SOLAS - CSR	36,283	10,737	25,301	171	74
SOLAS - INF	200	1	8	186	5
AFS	51,352	100	1,200	47,115	2,937
Ballast WM	31,616	3,111	2,262	24,197	2,046
CLC	9,974	1,431	8,414	111	18
BUNKER	40,603	11,821	28,360	366	56
MARPOL - IAPP	67,036	146	1,591	60,267	5,032
MARPOL - IOPP	69,071	421	1,960	60,722	5,968
MARPOL - ISPP	65,046	261	1,961	57,534	5,290
MARPOL - EIAPP	13,485	104	513	12,444	424
MARPOL - IBC	5,226	5	64	5,095	62
MARPOL - NLS	811	7	13	782	9
MARPOL - BCH	396	1	14	362	19
MARPOL - IEEC	49,671	154	1,584	45,103	2,830
MLC	58,208	991	8,500	44,003	4,714
Other	12,814	2,311	2,314	7,932	257
Overall	71,564	18,326	44,582	64,715	8,766

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 ship types and aim to provide a mark of quality for ships covered by them. The ship-based schemes (e.g., OCIMF) provide industry inspection reports.

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

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

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

Shipping Companies

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

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

In most cases the Company shown in the database is responsible for the operation of the ship and the duties and responsibilities imposed by the International Safety Management Code (ISM Code).

The Code applies to passenger ships and other ships of 500 GT (or greater) trading internationally.

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

The detention rate is the ratio between the number of detentions and the number of inspections in the Paris MoU, Tokyo MoU, Indian Ocean MoU, USCG, Viña del Mar Agreement, Mediterranean MoU, Caribbean MoU, Black Sea MoU and Abuja MoU recorded in 2021.

RESULTS

Table 144 indicates that the majority of ships are not covered by the trade associations and/or industry vetting programmes providing data to Equasis, with the exception of OCIMF that covers almost 65.0% of the total ships of the relevant categories (see annex V) and about 87.3% in tonnage.

INTERTANKO covers slightly over a quarter (28.3%) of the total number of ships but less than half (48.9%) tonnage coverage of the relevant ship categories.

Intercargo shows the same trend, covering 9.6% of the total number of ships, but 20.9% of the tonnage coverage of the relevant ship categories.

The Chemical Distribution Institute (CDI) on the other hand has 30.8% of the total number of ships, and a similar percentage 33.8% of the tonnage coverage of the relevant ship categories.

Tables 146 to 149 suggest that the ship categories in the medium, large and very large size categories covered by one of the trade associations and industry vetting programs are usually less inspected in the nine PSC regimes providing data to Equasis

than those ships which are outside the trade associations.

The same tables indicate that ships which are within a trade association or industry vetting programme were detained less often than those that were not members. For example, the detention rate of Intercargo ships in all ship size categories (table 146) was 1.3% compared with 2.5% for those who are not members (and of the targeted ship types as described in Annex V). It is a similar picture for ships that are members of INTERTANKO, InterManager, Green Award, CDI and OCIMF.

Table 150 shows that slightly over the half (56.7%) of the companies included in the data collected by Equasis operate just one ship. 86.8% companies operate five or less ships. Graph 140 reveals that ships operated by larger companies had a much lower detention rate than those operated by smaller companies.

Table 151 shows that companies with more than 100 ships have a detention rate around 0.98%, while one-ship had rates of 4.43% and two-ship companies and 4.13% respectively.

6.1. SCHEME STATUS

Table 144 - Total number of ships, by size and vetting programmes and trade associations

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	1,067	7,450	1,442	1,764	1,525	1,251	4,034	10,465
% of Total	26.5%	71.2%	35.7%	16.9%	37.8%	12.0%		
Intercargo	403	15,258	1,391	5,715	576	1,323	2,370	22,296
% of Total	17.0%	68.4%	58.7%	25.6%	24.3%	5.9%		
InterManager	302	22,731	474	9,405	228	3,856	1,004	35,992
% of Total	30.1%	63.2%	47.2%	26.1%	22.7%	10.7%		
Green Award	49	12,281	22	10,026	209	4,464	280	26,771
% of Total	17.5%	45.9%	7.9%	37.5%	74.6%	16.7%		
CDI	1,563	3,259	541	1,466		7	2,104	4,732
% of Total	74.3%	68.9%	25.7%	31.0%		0.1%		
OCIMF	4,021	4,496	2,911	295	2,494	282	9,426	5,073
% of Total	42.7%	88.6%	30.9%	5.8%	26.5%	5.6%		

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

Table 145 - Gross tonnage (in 1000 gt) of ships, by size and vetting programmes and trade associations

Scheme	Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total	
	Within	Outside	Within	Outside	Within	Outside	Within	Outside
Intertanko	13,639	38,634	51,644	64,505	162,989	135,856	228,272	238,995
% of Total	6.0%	16.2%	22.6%	27.0%	71.4%	56.8%		
Intercargo	8,569	100,934	53,159	212,599	59,359	136,217	121,087	449,750
% of Total	7.1%	22.4%	43.9%	47.3%	49.0%	30.3%		
InterManager	4,416	150,095	16,939	346,063	24,354	403,553	45,709	899,711
% of Total	9.7%	16.7%	37.1%	38.5%	53.3%	44.9%		
Green Award	434	108,371	905	372,105	20,279	473,999	21,618	954,475
% of Total	2.0%	11.4%	4.2%	39.0%	93.8%	49.7%		
CDI	15,724	22,518	19,429	46,003		425	35,153	68,946
% of Total	44.7%	32.7%	55.3%	66.7%		0.6%		
OCIMF	36,501	15,771	104,721	11,428	266,619	32,226	407,841	59,425
% of Total	8.9%	26.5%	25.7%	19.2%	65.4%	54.2%		

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

6.2. SAFETY PERFORMANCE

WHOLE FLEET GT≥500

Table 146 - Safety performance of ships, by inspections and detentions rates^(*) - 2021

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.5%	1.4%	1.0%	30	102	132	6,029	7,082	13,111
in % of total				22.7%	77.3%		46.0%	54.0%	
Intercargo	1.3%	2.5%	2.4%	71	929	1,000	5,334	37,005	42,339
in % of total				7.1%	92.9%		12.6%	87.4%	
Intermanager	1.2%	2.3%	2.2%	23	1,097	1,120	1,911	48,518	50,429
in % of total				2.1%	97.95%		3.8%	96.2%	
Green Award	0.0%	1.6%	1.6%	0	598	598	319	37,685	38,004
in % of total				0.0%	100.00%		0.8%	99.2%	
CDI	0.5%	1.4%	1.0%	17	71	88	3,477	5,246	8,723
in % of total				19.3%	80.7%		39.9%	60.1%	
OCIMF	0.7%	4.3%	1.0%	85	47	132	12,019	1,092	13,111
in % of total				64.4%	35.6%		91.7%	8.3%	

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

MEDIUM SIZED SHIPS

Table 147 - Safety performance of medium sized⁽¹⁾ ships, by inspections and detentions rates^(*) - 2021

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.6%	1.8%	1.4%	11	71	82	1,757	3,938	5,695
in % of total				13.4%	86.6%		30.9%	69.1%	
Intercargo	1.0%	3.1%	3.0%	12	724	736	1232	23,361	24,593
in % of total				1.6%	98.4%		20226	95.0%	
Intermanager	1.0%	3.1%	3.1%	7	801	808	673	25,591	26,264
in % of total				0.9%	99.13%		2.6%	97.4%	
Green Award	0.0%	2.1%	2.1%	0	287	287	79	13,397	13,476
in % of total				0.0%	100%		0.6%	99.4%	
CDI	0.6%	2.0%	1.3%	15	53	68	2,551	2,656	5,207
in % of total				22.1%	77.9%		49.0%	51.0%	
OCIMF	1.0%	4.3%	1.4%	47	35	82	4,874	821	5,695
in % of total				57.3%	42.7%		85.6%	14.4%	

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

LARGE SHIPS

Table 148 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*) - 2021

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.6%	1.0%	0.8%	15	23	38	2,639	2,233	4,872
in % of total				39.5%	60.5%		54.2%	45.8%	
Intercargo	1.2%	1.4%	1.4%	41	170	211	3,296	11,921	15,217
in % of total				19.4%	80.6%		21.7%	78.3%	
Intermanager	1.5%	1.3%	1.3%	15	233	248	1,028	18,601	19,629
in % of total				6.0%	94%		5.2%	94.8%	
Green Award	0.0%	1.3%	1.3%	0	246	246	38	19,421	19,459
in % of total				0.0%	100.00%		0.2%	99.8%	
CDI	0.2%	0.7%	0.6%	2	18	20	926	2,585	3,511
in % of total				10.0%	90.0%		26.4%	73.6%	
OCIMF	0.7%	2.8%	0.8%	33	5	38	4,691	181	4,872
in % of total				86.8%	13.2%		96.3%	3.7%	

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

VERY LARGE SHIPS

Table 149 - Safety performance of very large⁽¹⁾ ships, by inspections and detentions rates^(*) - 2021

Scheme	Detention rate			Detentions			Inspections		
	Within	Outside	Total	Within	Outside	Total	Within	Outside	Total
Intertanko	0.2%	0.9%	0.5%	4	8	12	1,633	911	2,544
in % of total				33.3%	66.7%		64.2%	35.8%	
Intercargo	2.2%	2.0%	2.1%	18	35	53	806	1,723	2,529
in % of total				34.0%	66.0%		31.9%	68.1%	
Intermanager	0.5%	1.5%	1.4%	1	63	64	210	4,326	4,536
in % of total				1.6%	98%		4.6%	95.4%	
Green Award	0.0%	1.3%	1.3%	0	65	65	202	4,867	5,069
in % of total				0.0%	100%		4.0%	96.0%	
CDI	0.0%	0.0%	0.0%			0		5	5
in % of total							0.0%	100.0%	
OCIMF	0.2%	7.8%	0.5%	5	7	12	2,454	90	2,544
in % of total				41.7%	58.3%		96.5%	3.5%	

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

6.3. COMPANY PERFORMANCE

Table 150 - Total number of companies and ships, by fleet size and flag

Company fleet size (by number of ships GT≥100)	Number of companies		Number of ships ⁽¹⁾		Number of ships under targeted flag ⁽¹⁾		Total share of ships under targeted flag ⁽²⁾
1 ship	22,312	56.7%	8,229	12.9%	1,927	17.0%	23.4%
2	6,147	15.6%	4,615	7.3%	809	7.1%	17.5%
3	2,829	7.2%	3,398	5.3%	693	6.1%	20.4%
4	1,749	4.4%	2,832	4.5%	537	4.7%	19.0%
5	1,147	2.9%	2,532	4.0%	473	4.2%	18.7%
6-10	2,714	6.9%	9,393	14.8%	1,675	14.8%	17.8%
11-50	2,204	5.6%	20,377	32.1%	3,371	29.8%	16.5%
51-100	171	0.4%	5,732	9.0%	827	7.3%	14.4%
100+	60	0.2%	6,437	10.1%	1,012	8.9%	15.7%
Total	39,333	100%	63,545	100%	11,324	100%	17.8%

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

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

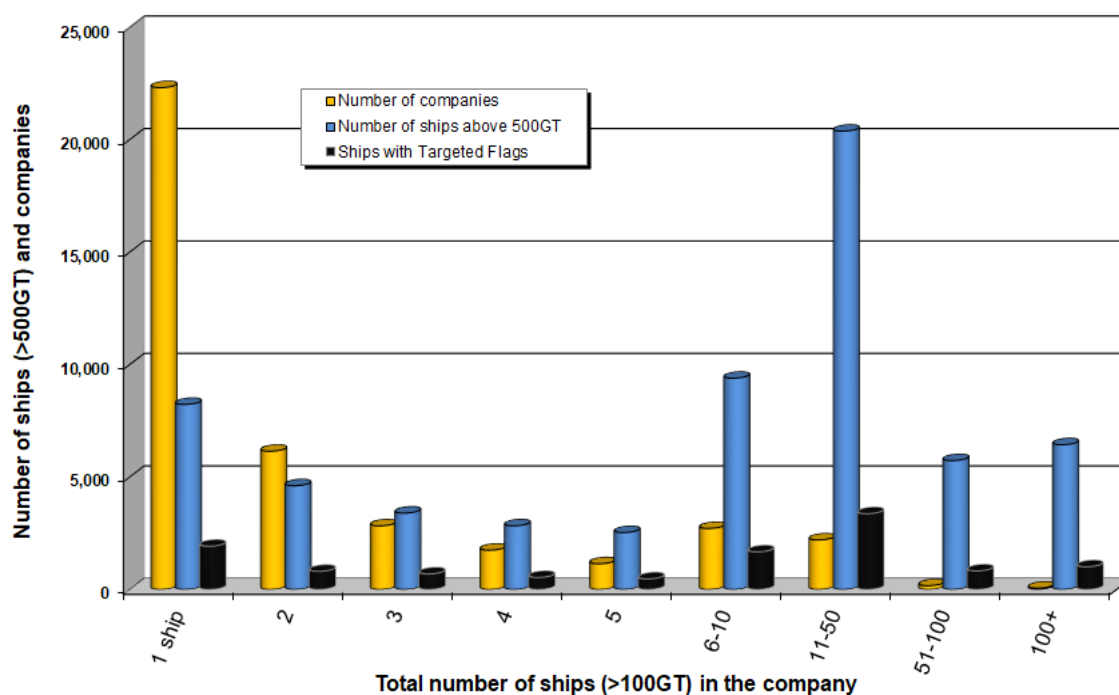
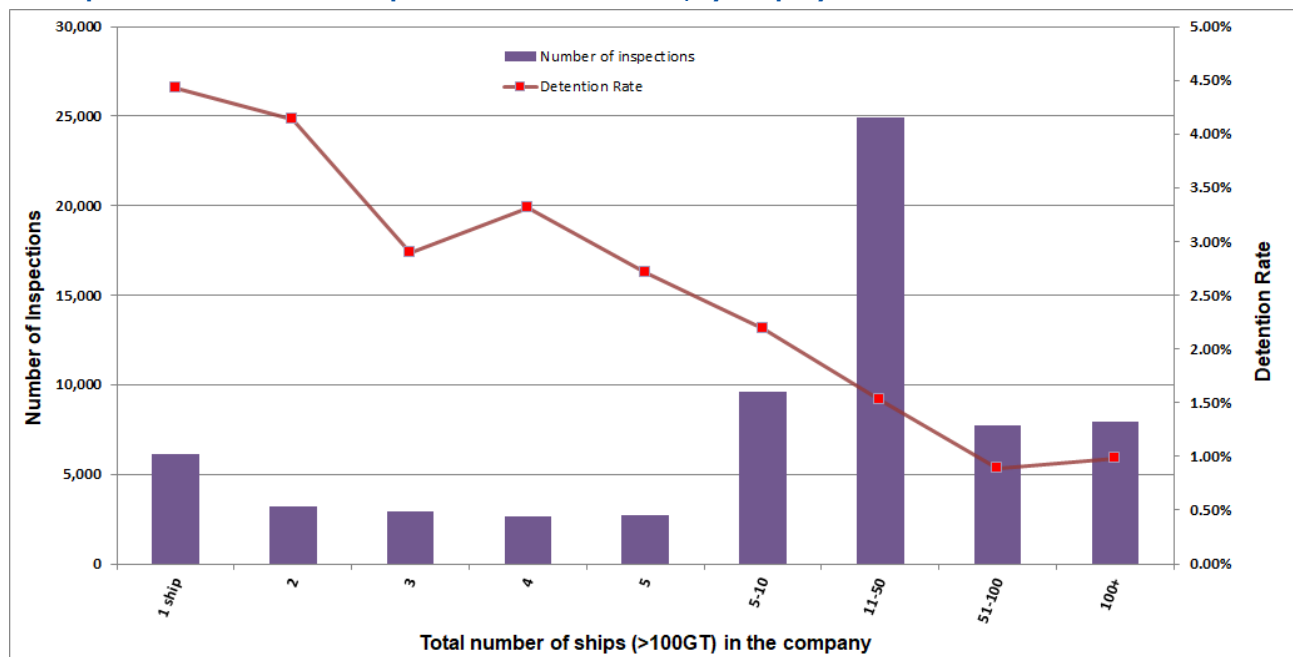


Table 151 - Total number of inspections and detention rates^(*), by company fleet size - 2021

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	6,101	9.0%	270	19.5%	4.43%
2	3,217	4.7%	133	9.6%	4.13%
3	2,898	4.3%	84	6.1%	2.90%
4	2,661	3.9%	88	6.4%	3.31%
5	2,697	4.0%	73	5.3%	2.71%
5-10	9,575	14.1%	209	15.1%	2.18%
11-50	24,946	36.8%	381	27.5%	1.53%
51-100	7,734	11.4%	69	5.0%	0.89%
100+	7,964	11.7%	78	5.6%	0.98%
Total	67,793	100%	1,385	100%	2.04%

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

Graph 140 - Total number of inspections and detention rate, by company fleet size

Annexes

Annex I. Ship type aggregations

The category "Other" is not considered in the scope of these statistics and contains ship types of active ships not falling in one of the main categories.

General Cargo Ships

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

Specialized Cargo Ships

Barge Carrier
Heavy Load Carrier
Livestock Carrier
Nuclear Fuel Carrier

Container Ships

Container Ship
Passenger/Container Ship

Ro-Ro Cargo Ships

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

Bulk Carriers

Aggregates Carrier
Bulk Carrier
Bulk/Caustic Soda Carrier
Bulk Dry Storage Ship
Bulk/Oil Carrier
Bulk/Sulphuric Acid Carrier
Bulk/Oil/Chemical Carrier
Cement Carrier
Limestone Carrier
Ore Carrier
Ore/Oil Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Urea Carrier
Wood Chips Carrier
Pearl Shells Carrier
Pulp Carrier

Oil and Chemical Tankers

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

Gas Tankers

CO2 Tanker
Combination Gas Tanker
LNG Tanker
LPG Tanker

Other Tankers

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

Beer Tanker
Coal/Oil Mixture Tanker

Passenger Ships

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

Offshore Vessels

Accom. Offshore Supp. Vessel
Drilling Ship
FSO, Oil
Mining Vessel
Offshore Processing Ship
Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe Burying Vessel
Pipe-Layer
Production Testing Vessel
Standby-Safety Vessel
Supply Vessel
Well-Stimulation Vessel

Service Ships

Buoy/Lighthouse Vessel
Cable-Layer
Crane Ship
Dredger
Fire-Fighting Vessel
Hopper Dredger
Hospital Vessel
Icebreaker
Kelp Dredger
Patrol Vessel
Pilot Vessel
Pollution Control Vessel
Power Station Vessel
Research Vessel
Salvage Ship
Search & Rescue Vessel
Tank-Cleaning Vessel
Training Ship
Trans-shipment Vessel
Utility Vessel
Waste Disposal Vessel
Work/Repair Vessel

Tugs

Pusher Tug
Tug

Fishing Ships

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

Other (Out of the scope)

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

General Cargo Ships

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

Specialized Cargo Ships

Barge Carrier
 Heavy Load Carrier
 Livestock Carrier
 Nuclear Fuel Carrier

Container Ships

Container Ship
 Passenger/Container Ship

Ro-Ro Cargo Ships

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

Bulk Carriers

Aggregates Carrier
 Bulk Carrier
 Bulk/Caustic Soda Carrier
 Bulk Dry Storage Ship
 Bulk/Oil Carrier
 Bulk/Sulphuric Acid Carrier
 Bulk/Oil/Chemical Carrier
 Cement Carrier
 Limestone Carrier
 Ore Carrier
 Ore/Oil Carrier
 Powder Carrier
 Refined Sugar Carrier
 Self-Discharging Bulk Carrier
 Urea Carrier
 Wood Chips Carrier
 Pearl Shells Carrier
 Pulp Carrier

Oil and Chemical Tankers

Bunkering Tanker (LNG/OIL)
 Chemical Tanker
 Chemical/Oil Products Tanker
 Crude Oil Tanker
 Oil Products Tanker
 Vegetable Oil Tanker

Gas Tankers

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

Other Tankers

Asphalt/Bitumen Tanker
 Bunkering Tanker
 Caprolactam Tanker
 Edible Oil Tanker
 Fruit Juice Tanker
 Latex Tanker
 Molasses Tanker

Water Tanker
 Wine Tanker
 Oil-Sludge Tanker
 Beer Tanker
 Coal/Oil Mixture Tanker

Passenger Ships

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

Offshore Vessels

Accom. Offshore Supp. Vessel
 Drilling Ship
 FSO, Gas
 FSO, Oil
 Mining Vessel
 Offshore Processing Ship
 Offshore Supply Ship
 Offshore Support Vessel
 Offshore Tug/Supply Ship
 Pipe Burying Vessel
 Pipe-Layer
 Production Testing Vessel
 Standby-Safety Vessel
 Supply Vessel
 Well-Stimulation Vessel

Service Ships

Buoy/Lighthouse Vessel
 Cable-Layer
 Crane Ship
 Dredger
 Fire-Fighting Vessel
 Hopper Dredger
 Hospital Vessel
 Icebreaker
 Kelp Dredger
 Patrol Vessel
 Pilot Vessel
 Pollution Control Vessel
 Power Station Vessel
 Research Vessel
 Salvage Ship
 Search & Rescue Vessel
 Tank-Cleaning Vessel
 Training Ship
 Trans-shipment Vessel
 Utility Vessel
 Waste Disposal Vessel
 Work/Repair Vessel

Tugs

Pusher Tug
 Tug

Fishing Ships

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

Other (Out of the scope)

Anchor Hoy
 Cable Repair Ship
 Crewboat
 Exhibition Vessel
 Houseboat
 Landing Craft
 Launch (unspecified)
 Mooring Vessel
 Motor Hopper

Rocket Launch Support Ship
 Sail Training Ship
 Sailing Vessel
 Trenching Support Vessel
 Water Injection Dredger
 Unknown
 Vessel (function unknown)

Annex II. Targeted Flag States 2021

The table of "Flag Performance" is a summary of the status of each flag within the different Port State Control Regime that provides data to Equasis and issue lists of flag performances. The table of targeted flags, namely the Paris MoU, the Tokyo MoU and the US Coast Guard can be found here: <https://www.equasis.org/EquasisWeb/admin/FlagPerf?fs=About>

This table is refreshed annually for each PSC regime when a new annual report containing the new flag performances is published.

For the Paris MoU and the Tokyo MoU, the possible values for each flag state are "Black", "Grey" and "White". Please note that no deeper distinction is made in the "Black" category as done in the annual reports of the Paris and Tokyo MoU between "high risk" and "very high risk" ships for example.

For the USCG, only flag administrations on the "Targeted List" are indicated, once again, without distinction between flag administration receiving "2 points" or "7 points" in column II of the US Port State Control Safety Targeting Matrix.

If a flag is not evaluated by a certain PSC regime, the corresponding field is left blank, if a flag is not evaluated by any of the PSC regime, it may not appear at all in this table.

Throughout the table, non-sovereign flags are displayed below their corresponding "mother" flag (Gibraltar below UK, Faeroe Islands below Denmark...)

Another source of Shipping Industry Flag State Performance can be found on the website of the International Chamber of Shipping (ICS), corresponding to information released in 2021 by the Paris MOU, the Tokyo MOU and the United States Coast Guard (USCG) in their respective annual PSC reports.

<https://www.ics-shipping.org/publication/shipping-industry-flag-state-performance-table-2020-2021/>

Annex III. Default PSC Ship types

Ship types in **red** correspond to ship types that are not in the scope of these statistics (or for which no active ship is yet known in the world fleet of Equasis).

Although similar in layout, Annex III cannot be compared to Annex I given that the purpose of this Annex is to attribute a default PSC ship type to ships and not to create categories of ships as in Annex I.

This Annex was established mainly through statistical analysis and direct comparisons between IHS Markit Maritime & Trade ship types and PSC ship types.

General Cargo/Multipurpose

Aggregates Carrier
Barge Carrier
Cement Carrier
Deck Cargo Ship
General Cargo Ship
Landing Craft
Latex Tanker
Limestone Carrier
Molasses Tanker
Palletised Cargo Ship
Passenger/Landing Craft
Refined Sugar Carrier

Refrigerated Cargo

Fish Carrier
Fish Factory Ship
Fruit Juice Tanker
Refrigerated Cargo Ship

Heavy load

Heavy Load Carrier

Container

Container Ship

Ro-Ro cargo

Container Ro-Ro Cargo Ship
Ro-Ro Cargo Ship

Bulk Carrier

Bulk Carrier
Bulk Dry Storage Ship
Bulk/Caustic Soda Carrier
Bulk/Sulphuric Acid Carrier
Ore Carrier
Self-Discharging Bulk Carrier
Bulk/Oil/Chemical Carrier

Oil tanker

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

Chemical tanker

Chemical Tanker
Chemical/Oil Products Tanker
Vegetable Oil Tanker

Combination carrier

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

Gas carrier

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

NLS Tanker

Wine Tanker

High speed passenger craft

None

Passenger Ship

Houseboat
Passenger (Cruise) Ship
Passenger Ship
Sailing Vessel

RoRo passenger ship

Passenger/Ro-Ro Cargo Ship

Offshore supply

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

Special purpose ship

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

Tug Bulk Dry Storage Ship

Pusher Tug
Tug

Other special activities

Anchor Hoy
Bulk Dry Storage Ship
Buoy/Lighthouse Vessel
Caprolactam Tanker
Drilling Ship
Edible Oil Tanker
Hopper Dredger
Hospital Vessel
Kelp Dredger
Launch (Unspecified)
Mining Vessel
Mooring Vessel
Motor Hopper
Nuclear Fuel Carrier
Offshore Processing Ship
Passenger/Container Ship
Passenger/General Cargo Ship
Patrol Vessel
Pearl Shells Carrier
Pilot Vessel
Pollution Control Vessel
Powder Carrier
Production Testing Vessel
Research Vessel
Salvage Ship
Seal-Catcher
Search & Rescue Vessel
Standby-Safety Vessel
Supply Vessel
Tank-Cleaning Vessel

Training Ship
Trans-shipment Vessel
Urea Carrier
Utility Vessel
Vessel (function unknown)
Waste Disposal Vessel
Water Injection Dredger
Wood Chips Carrier
Work/Repair Vessel

Other

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

Annex IV. List of Statutory Certificates, by conventions

SOLAS (and STCW)

SOLAS/STCW

Minimum safe manning document

SOLAS - INF

International Certificate of Fitness for the Carriage of Cargo

SOLAS - ISM

Document of Compliance
Safety Management Certificate

SOLAS - ISPS

International Ship Security Certificate

SOLAS - IMDG

Document of compliance with the special requirements for ships carrying dangerous goods

SOLAS - GC

Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - IGC

International Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - HSC

High-Speed Craft Safety Certificate

SOLAS - MODU

Mobile Offshore Drilling Unit Safety Certificate

SOLAS - SPS

Special Purpose Ship Safety Certificate

SOLAS - PSSC

Passenger Ship Safety Certificate, including Record of Equipment

SOLAS - CLC

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

SOLAS/CSS

Cargo Ship Safety Certificate, including Record of Equipment
Cargo Ship Safety Equipment Certificate, including Record of Equipment
Cargo Ship Safety Construction Certificate
Cargo Ship Safety Radio Certificate, including Record of Equipment

SOLAS/CSR

Continuous Synopsis Record

SOLAS/INF

International Certificate of Fitness for the Carriage of Cargo

MARPOL

MARPOL - IAPP

International Air Pollution Prevention Certificate

MARPOL - IEEC

International Energy Efficiency Certificate

MARPOL - IOPP

International Oil Pollution Prevention Certificate

MARPOL - ISPP

International Sewage Pollution Prevention Certificate

MARPOL - EIAPP

Engine International Air Pollution Prevention Certificate

MARPOL - IBC

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

MARPOL - NLS

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

MARPOL - BCH

Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

Other Conventions

ITC

International Tonnage Certificate

Load Lines

International Load Line Certificate

AFS

Declaration of AFS Compliance
International Anti-Fouling System Certificate

Ballast WM

Ballast Water Management Certificate

CLC

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

BUNKER

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

MLC

Maritime Labour Certificate

Annex V. Ships in the scope of Trade Association and vetting programs

In Chapter 6, various figures from trade association and vetting programs are compared to a base population of ships of a relevant ship type. This Annex gives the relevant ship types for each trade association and vetting programs.

Intertanko

“Gas Tankers”
and “Oil & Chemical Tankers”
(as described in Annex I)

Intercargo

“Bulk Carriers”
and “General Cargo Ships”
(as described in Annex I)

Note that Intercargo deals normally with ships with deadweight over 10,000. This need to be kept in mind when analysing figures of medium sized ships associated with Intercargo.

Intermanager

“Bulk Carriers”
“General Cargo Ships”
and “Oil & Chemical Tanker”
(as described in Annex I)

Green Award

A subset of Bulk Carriers:

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

Gas Tankers:

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

Oil & Chemical Tankers:

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

CDI

The following Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
LPG Tanker
Vegetable Oil Tanker

OCIMF

“Gas Tankers”
and “Oil & Chemical Tanker”
(as described in Annex I)