



# PORT STATE CONTROL IN THE BLACK SEA REGION

## **Annual Report 2023**





BLACK SEA PORT STATE CONTROL SECRETARIAT  
ISTANBUL / TÜRKİYE


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# Foreword

We are pleased to present the twenty-third issue of the Annual Report on Port State Control in the Black Sea region which is published under the auspices of the Port State Control Committee of the Black Sea MoU.

Port State Control is of particular importance to the BS MoU member Authorities due to the role of shipping in the region's trade, the sensitivity of the Black Sea basin and its coastline to environmental damage. PSC inspections are conducted to ensure that foreign ships visiting the Black Sea ports are seaworthy, do not pose a pollution risk, provide a healthy and safe environment and comply with relevant international regulations and within the scope of the member Authorities' national governing laws and regulations.

This PSC Annual Report covers the period between 1<sup>st</sup> January and 31<sup>st</sup> December 2023. During the year the armed conflict persisted between the Russian Federation and Ukraine, presenting a serious and immediate threat to the safety and security of crews and vessels operating in the region, and not boding well with the BS MoU's objectives.

Regrettably, some Ukrainian ports were still temporarily unavailable. While ship visits to Ukraine's ports dropped, Bulgaria and Romania continued their upright trends in the number of inspected vessels which means these ports were a viable option for the region.

Grain shipments from Ukraine resumed in 2022 thanks to the Black Sea Grain Initiative, signed by the Republic of Türkiye, the Russian Federation, Ukraine and the United Nations on 22 July 2022, however, the Initiative was terminated on 17 July 2023. To establish a special maritime corridor in Ukrainian sovereign waters in the Black Sea for commercial vessels heading to and from Ukrainian ports, the Government of Ukraine has temporarily instituted a maritime route to facilitate the unblocking of international shipping in the northwestern part of the Black Sea which runs along Ukraine's southwest Black Sea coast, into Romanian territorial waters and exclusive maritime economic zone and onwards to Türkiye (for further information, please see IMO Circular Letters No.4748, dated as 19 July 2023 and No.4769, dated as 24 August 2023).

In addition, on 4 December 2023, IMO, at its 33<sup>rd</sup> Assembly, adopted a resolution A.1183(33) on "The impact of the Russian Armed Invasion of Ukraine on International Shipping", which, among many considerations, underscores the paramount importance of preserving the safety and welfare of seafarers; the need to preserve the security of international shipping and the maritime community; and the supply chains that sustain other nations and provide export-import cargo flow through the seaports of Ukraine.

In the year 2023, the BS MoU member Authorities conducted a total of 5,294 inspections, reflecting a notable increase of 6.46 per cent increase as compared with 4,972 inspections undertaken in the preceding year of 2022. The number of inspections in 2023 closely aligns with the five-year average recorded during the pre-Covid period, from 2015 to 2019 (5,258).

A total of 208 detentions were warranted to ships found with serious deficiencies and the detention percentage in 2023 was 3.93 which is slightly higher than 2022 (3.50%).

During 2023, a total of 17,326 deficiencies were recorded. The average number of deficiencies per inspection in 2023 amounted to 3.27, demonstrating a similarity to the corresponding figure of 3.24 observed in 2022.

The most significant number of deficiencies found in 2023 was in the area of "safety of navigation", followed by "life saving appliances", "health protection, medical care, social security", "fire safety" and "documents" which constitutes 52.9% of the total deficiencies found.

International Safety Management (ISM) related issues accounted for 6.37 per cent of all detainable deficiencies in the 2023 reporting period. Furthermore, there were 11 security related deficiencies considered as ground for detentions, marking a substantial increase compared to only 1 recorded detainable deficiency in the previous year of 2022.

In further promoting safety and environmental protection, Concentrated Inspection Campaigns (CICs) are conducted in conjunction with the Paris and Tokyo Memoranda. Between 1<sup>st</sup> September and 30<sup>th</sup> November 2023, the CIC on Fire Safety was carried out with the participation of all member Authorities.



**Captain Cosmin-Laurențiu DUMITRACHE**  
Chairman  
BS MoU PSC Committee



**Onur TURHAN**  
Secretary  
BS MoU Secretariat

## 10 Year Summary of Inspections, Detentions and Deficiency Rates

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of Inspections	5,092	4,997	5,066	4,997	5,214	6,036	5,721	5,624	4,972	5,294
Number of Detentions	151	218	229	283	278	212	241	178	174	208
Detention %	2.97	4.36	4.52	5.66	5.33	3.51	4.21	3.17	3.50	3.93

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of Inspections with Deficiencies	3,051	2,825	2,845	3,018	3,103	3,401	2,831	3,003	2,981	3,204
Number of Deficiencies	18,350	18,094	18,266	21,006	21,450	19,422	15,442	15,321	16,100	17,326
Deficiencies/Inspections	3.60	3.62	3.61	4.20	4.11	3.22	2.70	2.72	3.24	3.27
Deficiencies/Inspection with Deficiencies	6.01	6.40	6.42	6.96	6.91	5.71	5.45	5.10	5.40	5.41

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
No. of Detainable Deficiencies	506	734	822	962	948	653	678	644	843	1,162
Detainable Deficiencies/ Detention	3.35	3.37	3.59	3.40	3.41	3.08	2.81	3.62	4.84	5.59

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# Annual Report 2023

## General Introduction

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The Governments of Black Sea States in the “Strategic Action Plan for the Rehabilitation and Protection of the Black Sea (adopted at the Ministerial Conference held in Istanbul, 30-31 October 1996) decided to launch a harmonised system of port State control through the adoption of a Memorandum of Understanding on port State control.

The Memorandum of Understanding on Port State Control in the Black Sea Region (BS MoU) was completed and signed in Istanbul, Türkiye on 7 April 2000 by representatives of the Maritime Authorities of Bulgaria, Georgia, Romania, the Russian Federation, Türkiye and Ukraine.

On December 19, 2000, the Memorandum entered into force in the Black Sea region for three maritime States accepted the BS MoU. By December 12, 2002, the BS MoU entered into effect for all maritime States in the Black Sea, namely: Bulgaria, Georgia, Romania, the Russian Federation, Türkiye and Ukraine.

The Port State Control Committee established under the Memorandum monitors and controls the implementation and on-going operation of the Memorandum. The Committee consists of representatives of the maritime Authorities of the six member States and observers’ representatives from the International Maritime Organization (IMO) and the International Labour Organization (ILO). The Committee granted observer status to the USCG, the Republic of Azerbaijan, the Republic of Kazakhstan, the Republic of Moldova, the Paris MoU, the Mediterranean MoU, the West and Central Africa MoU, the Riyadh MoU, the Tokyo MoU, the Indian Ocean MoU and the Viña del Mar Agreement and the Commission on the Protection of the Black Sea Against Pollution.

To coordinate the daily activity of the organization, on the kind proposal by the Maritime Administration of Türkiye, the MoU Authorities decided to establish Headquarter and the Secretariat in Istanbul.

The Russian Federation has developed and launched the Black Sea Information System (BSIS), PSC computerized information system for the Black Sea MoU, basing on the technique used for the Asia Pacific Computerized Information System (APCIS), PSC information system for the Tokyo MoU, which was also developed by the Russian Federation. The BSIS provides necessary tools to assist PSC Officers in conducting inspections. PSC Officers use a comprehensive database which contains data received from a variety of sources on a large number of vessels. This information includes the general particulars of a vessel and its PSC inspection history.

To provide the industry with the MoU news, procedures and inspection results the Black Sea MoU launched the internet website at [www.bsmou.org](http://www.bsmou.org) containing general information on MoU and a regularly updated detention list. Taking into account of successful operation of the BSIS, it was decided to start the open publication of PSC inspection results on the internet through a direct link to the MoU database providing on-the-fly inspection results.

This annual report outlines recent activities on port State control in the Black Sea region, as well as international perspectives on port State control and includes the statistical port State inspection data conducted by the member Authorities of the BS MoU during the year 2023.

## Port State Control Committee

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### The Twenty-third Session

The Twenty-third meeting of the Black Sea Port State Control Committee, was held in Constanta, Romania from 25 to 28 April 2023. The meeting was chaired by Captain Alexandar ILIEV, the Maritime Administration of Bulgaria.

The meeting was attended by all the member Authorities, namely Bulgaria, Georgia, Romania, the Russian Federation, Türkiye and Ukraine. Observers of Moldova, the Abuja MoU, the Mediterranean MoU-represented by the delegation of Türkiye, the Paris MoU, the Tokyo MoU and the Viña del Mar Agreement attended the meeting.



The Committee noted the information provided by the Secretariat on the status of ratification or accession to the relevant instruments by the member Authorities in the Black Sea Region. The Committee also urged those member Authorities who have not acceded to the relevant instruments to do so as soon as possible.

The Committee considered amendments to the Black Sea PSC Manual and referencing the recent IMO-ILO Procedures and further referencing the latest developments in other regional PSC regimes, adopted or revised Guidelines for PSCOs on ISM, LRIT, IGF Code, MARPOL Annex VI, MARPOL Annex IV, STCW, Anti-Fouling Systems, Use of Action Taken Codes, Completing Inspection Forms, Responsibility Assessment of the RO, Standard Report Forms and BSIS Basic Document. The Committee noted the Guidance to Implement and Adopt Procedures Against Maritime Corruption "FAL.5/Circ.48" and further agreed to incorporate these Guidelines into the Black Sea PSC Manual. Additionally, aiming the promulgation of news, additional information, guidance and clarification to the PSC Officers, Notices to PSCOs on Asbestos, Laid-Up Ships that are Eligible for Inspection, RO Authorization Withdrawn and Non-Available RO Code, Ships Holding Falsified PSC Reports, Deficiency Writing, BNWAS, Compatibility of Dangerous Chemical Cargoes Carried in Bulk were also adopted by the Committee.

The Committee also considered amendments to the Black Sea MoU Strategic Plan and Actions for addressing new challenges and relevant countermeasures with the achievements made in 2022.

The Committee agreed to participate in EMSA-Black and Caspian Sea II Project as an observer and investigate further cooperation with EMSA to establish joint events and develop a revised its Training Policy. The Committee, aiming to increase the Black Sea MoU capabilities and exchange views, also agreed to invite EMSA to participate in the next Committee meeting to present its PSC databases.

In order to enhance clarity and facilitate efficient retrieval of pertinent information and to present information in a systematic, logical and organized manner, it was agreed to update the BS MoU Reporting Formats of the Annual Report, CIC Evaluation Report, Ship Watch List and Detention List.

To resolve the issue of double reporting, the Committee agreed to approve the submitted proposal of the EQUASIS Management Unit. The Committee further considered reviewing its Principle of Access of BSIS Data and the Dissemination of PSC data and approved the proposal for the development of API for enabling flags and/or ROs to download PSC data of their own ships from the BS MoU website.

Taking into account the almost completely enclosed sea status of the Black Sea and the implemented cabotage regimes on foreign vessels in the region which do not allow fishing activities in territories of the member States, the Committee decided not to launch a pilot project on PSC on fishing vessels until further international initiatives to be taken to regulate fishing vessels.

The Committee considered to review of its Principle of Access of BSIS Data and the Dissemination of PSC data and agreed to establish a correspondence group to investigate the opportunity to share inspection data in XML format with registered users of the BS MoU website.

The Committee agreed to establish an intersessional Working Group on the preparation of the proposal for the Amendments to the Memorandum in the light of the new inspection regime and selection scheme and a Correspondence Group on the financial support for training activities.

The Committee considered the report on the concentrated inspection campaign (CIC) on STCW for the year 2022 and agreed to conduct CICs on Fire Safety for the year 2023 and CIC on Crew Wages and Seafarer Employment Agreement under MLC, incorporating relevant question(s) relating to financial security under 2014 amendments to MLC for the year 2024 in conjunction with the Paris and the Tokyo Memoranda.

The Committee considered and noted the development of the BSIS Mobile Application and agreed to continue working and testing the functionality of the BSIS Mobile Application.



### Best Deficiency Photo 2023

The photograph taken by PSC Officers from the Russian Federation, port of Novorossiysk, Mr. Stanislav URIPIN and Mr. Igor MUZYKA, was selected as the best deficiency photo of the year 2023.



#### **Winner of the Deficiency Photo of the Year 2023**

The vessel has multiple damage to mooring equipment fwd., Aft.

## Black Sea Information System (BSIS)

The Black Sea Information System has been established in the Russian Federation, for the purpose of exchanging information on port State inspections, in order to make available to Authorities information on inspection of ships in other regional ports to assist them in their selection of foreign flag ships to be inspected and in the exercise of port State control on selected ships; and provide effective information exchange facilities regarding port State control in the region.

As a further step for providing more transparent and timely information on the BS MoU PSC activities, the Committee gave its approvals to the online publication of the ship risk profile, PSC inspection and detention data on the Memorandum website.

## Concentrated Inspection Campaign

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From 1<sup>st</sup> September 2023 to 30<sup>th</sup> November 2023, the BS MoU carried out a Concentrated Inspection Campaign (CIC) on Fire Safety throughout the region. This campaign involved all member States of the BS MoU and was conducted in conjunction with the Paris and Tokyo MoUs and other Regional Port State Control Regimes. The Paris and Tokyo Memoranda Guidelines and Questionnaire were utilized.

During the campaign, a total of 1,237 inspections were carried out for 1,174 individual ships. 922 of them were carried out with the CIC questionnaire. During the CIC, 41 ships were detained in total. 34 of these detentions are the result of inspections with CIC Questionnaires and 15 of them were detained under the CIC scope.

A total of 91 questionnaires had at least one non-compliance to any of the requirements, resulting in 9.87 per cent of CIC inspections. The overall average per cent of nonconformities was 1.41 which means that the “unsatisfactory” answer was given to any question under this CIC.

During the campaign vessels registered by 50 different States were inspected under the CIC scope. Most CIC inspections were carried out on board ships flying the flags of Panama with 180 inspections (19.52%), Liberia with 153 inspections (16.59%) and the Marshall Islands with 89 inspections (9.65%). The majority of detained ships displaying CIC-related deficiency(s) in the region were flagged by Panama, resulting in 5 detentions, followed by Liberia with 2 detentions and Tanzania with 2 detentions.

### Concentrated Inspection Campaign in 2024

For the year 2024, it is agreed that the participation in the CIC on Crew Wages and Seafarer Employment Agreement under MLC, incorporating relevant question(s) relating to financial security under 2014 amendments to MLC during the period of 1<sup>st</sup> September to 30<sup>th</sup> November and requested the Secretariat to report progress and CIC related developments.

## Training

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One PSCOs from Türkiye participated in the Tokyo MoU's 9<sup>th</sup> Specialized Training Course via virtual means 7-9 March 2023,

One PSCO from Georgia participated in Paris MoU Expert Training on Human Element held in the Hague, the Netherlands, from 10 to 13 October 2023,

One PSCO from Türkiye participated in the Tokyo MoU's 11<sup>th</sup> General Training Course for PSCOs from 17 April to 7 September 2023, and

Ten PSCOs from Georgia, Türkiye and Ukraine participated in EMSA online Awareness session for BS MoU PSCOs 7-9 March 2023 and the Secretariat also participated in the training as a speaker and presented the BS MoU history and the recent developments.

### PSCO Exchange Programme

PSCO Exchange Programmes resumed to correspond with the world-wide situation of the Covid-19, Pandemic. An Interregional Exchange Programme with the MED MoU was implemented in 2023; the Russian Federation sent one PSCO to Istanbul, Türkiye.

### Training Policy

It was agreed to amend the BS MoU Training Policy, in principle, and the Secretariat was entrusted to conduct further study of the matter in cooperation with EMSA, including the introduction of a new learning service of the Common Core Curricula (CCC).

Furthermore, it was agreed to investigate potential sources of financial support for training activities together with introduction of a Technical Co-operation Plan during the intersessional periods and forthcoming Committee meetings.

## Interregional Cooperation

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The BS MOU currently has 6 members, some with dual or even triple membership: Bulgaria and Romania with the Paris MoU, while the Russian Federation is a member of the Tokyo MoU and also a suspended member of the Paris MoU. With Türkiye there is further tie with the MED MoU.

In order to further strengthen co-operation with IMO, an agreement for co-operation was concluded with IMO, as an Intergovernmental Organization, which allows the BS MoU (and other Regional PSC Regimes) to submit papers and attend IMO meetings in its own rights. The BS MoU is represented by the Secretariat at the IMO III Sub-Committee meetings and the IMO PSC Workshops, submitting its reports.

The ninth session of the IMO III Sub-Committee was held from 31 July to 4 August 2023 at the IMO Headquarters, London. The 2023 Annual Reports including inspection data, the results of the CIC on STCW and the Recent Developments on the PSC activities in the Black Sea Region were submitted to III-9.

The eighth IMO Workshop for PSC MoU/Agreement Secretaries, Database Managers and Chairpersons was held in person, supported by a hybrid facility, from 14 to 16 November 2023 at IMO Headquarters. The Black Sea MoU was represented by the Chair and the Secretary. The Workshop was conducted in two parts - a closed session, for representatives of nine regional PSC regimes and the US Coast Guard; followed by an open session. During the Workshop, the Black Sea MoU actively engaged by providing insights on various topics, including regional detention review procedures, detention review procedures, non-rectified outstanding deficiencies, MACN report on PSC, re-inspection fees of the member Authorities and the regional approach and the latest developments on the PSC activities in the Black Sea MoU.

It is a great pleasure that with the kind acceptance by the Caribbean MoU, the Black Sea MoU has achieved observer status in all regional PSC regimes (PSC MoUs/Agreement).

The 56<sup>th</sup> meeting of the Paris MoU Port State Control Committee was held in Kranj, Slovenia from 15 to 19 May 2023. The Secretary attended the meeting and represented the BS MoU. Additionally, the Secretariat also followed the technical developments in the Paris MoU and participated in the 1<sup>st</sup> Paris MoU Industry Forum which took place online on 5 April 2023.

Similarly, the 34<sup>th</sup> meeting of the Tokyo MoU Port State Control Committee and its 17<sup>th</sup> Technical Working Group was held in Yokohama, Japan from 26 October to 2 November 2023. The Secretary represented the BS MoU at these meetings.

Furthermore, the Secretary virtually represented the Black Sea MoU at the 25<sup>th</sup> session of the Mediterranean MoU held in Alexandria, Egypt, from 17 to 19 October 2023.

Moreover, the Secretary represented the Black Sea MoU via virtual means at various other meetings, including the 26<sup>th</sup> meeting of the Indian Ocean MoU Port State Control Committee (4-8 September 2023), the 28<sup>th</sup> meeting of the Viña del Mar Agreement PSC Committee (5-8 September 2023), the 13<sup>th</sup> meeting of the Abuja MoU PSC Committee (12-13 September 2023), the 41<sup>st</sup> meeting of the EQUASIS Editorial Board (18 April 2023) and the EMSA – BCSEA II Project 2<sup>nd</sup> Steering Committee meeting (21 November 2023).

# PSC Inspections 2023

## Regional Inspection Data

During the 2023 calendar year, 5,294 inspections, involving 3,541 individual ships, were carried out on ships registered by 72 Flag Administrations in the Black Sea Region. The impact of the Russian Armed Invasion of Ukraine affected shipping in the Black Sea Region, including Ukrainian ports. In 2023, although the number of inspections closely aligns with the five-year average recorded during the pre-Covid period, from 2015 to 2019 (5,258), the number of inspections of Ukraine significantly dropped 45.5 per cent as compared with the pre-war 5-year period.

Although grain shipments from Ukraine resumed in 2022 thanks to the Black Sea Grain Initiative, signed by the Republic of Türkiye, the Russian Federation, Ukraine and the United Nations on 22 July 2022, the Initiative was terminated on 17 July 2023. After the termination of the Initiative, the number of inspections of Ukraine also decreased by 21.1 per cent.

To establish a special maritime corridor in Ukrainian sovereign waters in the Black Sea for commercial vessels heading to and from Ukrainian ports, the Government of Ukraine has temporarily instituted a maritime route to facilitate the unblocking of international shipping in the northwestern part of the Black Sea which runs along Ukraine's southwest Black Sea coast, into Romanian territorial waters and exclusive maritime economic zone and onwards to Türkiye (for further information, please see IMO Circular Letters No.4748, dated as 19 July 2023 and No.4769, dated as 24 August 2023). The corridor had a positive impact on the increase in vessel traffic. Subsequently, a positive step for the viability of the route was launched by a mine sweeping group of Bulgaria, Romania and Türkiye which is designed to free coastal waters from sea mines.

The exact number of individual ships operating in the region was unavailable due to the war in Ukraine and it was estimated as 5,617\*, the inspection rate in the region was approximately 63.04% in 2023. The number of individual ships inspected in 2023 (3,541) is slightly more than the number of individual ships inspected in 2022 (3,501).

Out of 5,294 inspections in 2023, 3,204 of them were found with deficiencies. The percentage of the inspection with deficiencies in 2023 (60.53%) is nearly similar with 2022 (59.96%).

In 2023, the number of ships detained as a result of deficiency(ies) clearly hazardous to safety, health or environmental amounted to 208. These detained vessels were registered by 27 different Flag Administrations. The overall detention percentage in the region (Detentions as per cent of inspections) in 2023 continues its upward trend, from 3.50:2022 to 3.93. Since several individual ships were inspected and detained more than once during any one year, the regional detention rate (Individual ships detained as per cent of individual ships inspected) in 2023 was 5.20 and it is higher than the detention percentage. The regional detention rate in 2023 was also higher than the 2022 detention rate of 4.63.

Below **Table 1** displays a summary of the 2023 inspection data and observed changes compared with the previous year.

**Table 1: Summary of 2023 Inspection and Trends as Compared with the Previous Year**

		2022	2023	Change Compare 2022
<b>Ships Visits</b>	Individual Ships	4,715*	4,978*	263
	<b>Inspections</b>			
	Total PSC Inspections	4,972	5,294	322
	Inspection with Deficiencies	2,981	3,204	223
	Individual Ships	3,501	3,541	40
	Inspection Rate	74.25%	71.13%	-3.12%
<b>Detentions</b>	Individual Ships	162	184	22
	Total Detentions	174	208	34
	Detention Rate	4.63%	5.20%	0.57
	% of Total Inspections	3.50%	3.93%	0.43
	% of Inspections with Deficiencies	59.96%	60.52%	0.57
	RO Related Detainable Deficiency	18	19	1
<b>Deficiencies</b>	Total Deficiencies	16,100	17,326	1,226
	Detainable Deficiencies	843	1,162	319
	Deficiency Rate	3.24	3.27	0.03
	Detainable Deficiency / Detention	4.84	5.59	0.74

\*Regarding the war in Ukraine, numbers of individual ships which visited the ports of the region during the year showing in the above table and the table of Inspection data by Authority.

## Inspection Data by Authority

The BS MoU member Authorities' contributions to the regional inspection efforts are displayed in **Table 2**. Member Authorities inspection rates (percentage of the number of individual ships inspected to the number of individual ship visits) ranged from 27.16% to 74.22%. **Figure 1** displays inspection and detention rates for 2023 by member Authorities and in the region. No detentions in 1,158 inspections were recorded in Ukraine, while Georgia reported only 2 detentions out of 800 inspections. The detention percentages for other member Authorities varied from 2.92 per cent to 6.59 per cent. The percentage of inspections with deficiencies ranged from 21.69 per cent up to 75.45 per cent across the region. The greatest number of PSC inspections were undertaken in the Russian Federation in 2023. Despite the ongoing war in Ukraine affecting shipping both in the region and in Ukraine and the unavailability of several Ukrainian ports, Ukraine conducted the second highest number of PSC inspections in 2023.

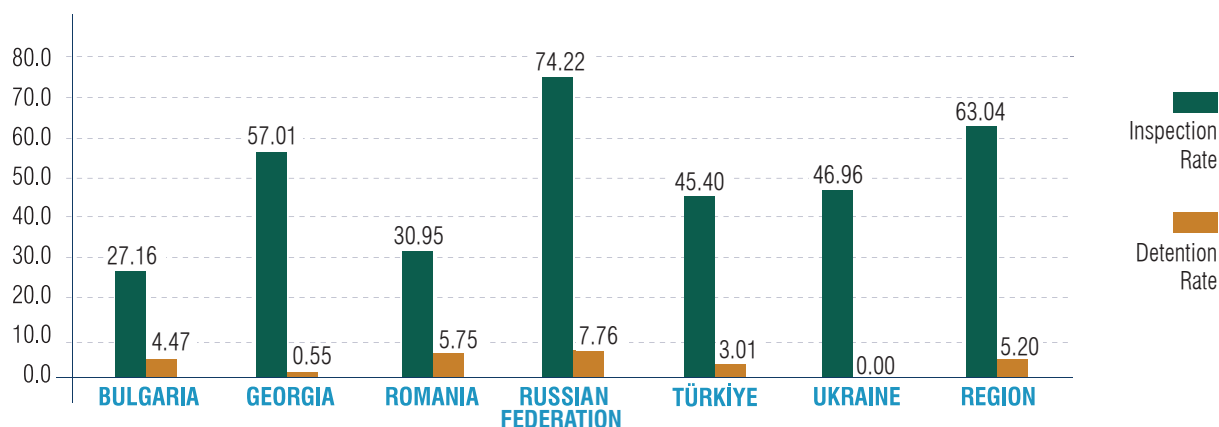
**Table 2: Inspection Data by Authority and Region**

AUTHORITY	NUMBER OF INDIVIDUAL SHIP VISITS	NUMBER OF INDIVIDUAL SHIPS INSPECTED	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF INDIVIDUAL SHIPS DETAINED	NUMBER OF DETAINABLE DEFICIENCIES	INSPECTIONS RATE <sup>(3)</sup>	DETENTION RATE <sup>(4)</sup>	DETENTION PERCENTAGE <sup>(5)</sup>	% OF INSPECTIONS WITH DEFICIENCIES	AVERAGE NO. OF DEFICIENCIES PER INSPECTION	% OF MoU TOTAL	DETENTIONS WITH RO RELATED DETAINABLE DEFICIENCIES
<b>Bulgaria</b> <sup>(2)</sup>	1,318	358	372	280	1,492	16	16	95	27.16	4.47	4.30	75.27	4.01	7.03	3
<b>Georgia</b>	635	362	400	224	908	2	2	8	57.01	0.55	0.50	56.00	2.27	7.56	1
<b>Romania</b> <sup>(2)</sup>	2,249	696	717	541	3,431	42	40	462	30.95	5.75	5.86	75.45	4.79	13.54	12
<b>Russia</b> <sup>(1)</sup>	1,963	1,457	1,927	1,451	8,467	127	113	427	74.22	7.76	6.59	75.30	4.39	36.40	0
<b>Türkiye</b> <sup>(1)</sup>	1,390	631	720	457	2,329	21	19	170	45.40	3.01	2.92	63.47	3.23	13.60	3
<b>Ukraine</b>	1,774*	833	1,158	251	699	0	0	0	46.96	0.00	0.00	21.68	0.60	21.87	0
<b>Regional</b>	<b>5,617*</b>	<b>3,541</b>	<b>5,294</b>	<b>3,204</b>	<b>17,326</b>	<b>208</b>	<b>184</b>	<b>1,162</b>	<b>63.04</b>	<b>5.20</b>	<b>3.93</b>	<b>60.52</b>	<b>3.27</b>		<b>19</b>

<sup>(1)</sup>Data only for the Black Sea Ports <sup>(2)</sup>Inspection Data Recorded to the Paris MoU <sup>(3)</sup>Individual ships inspected as per cent of individual ships visited

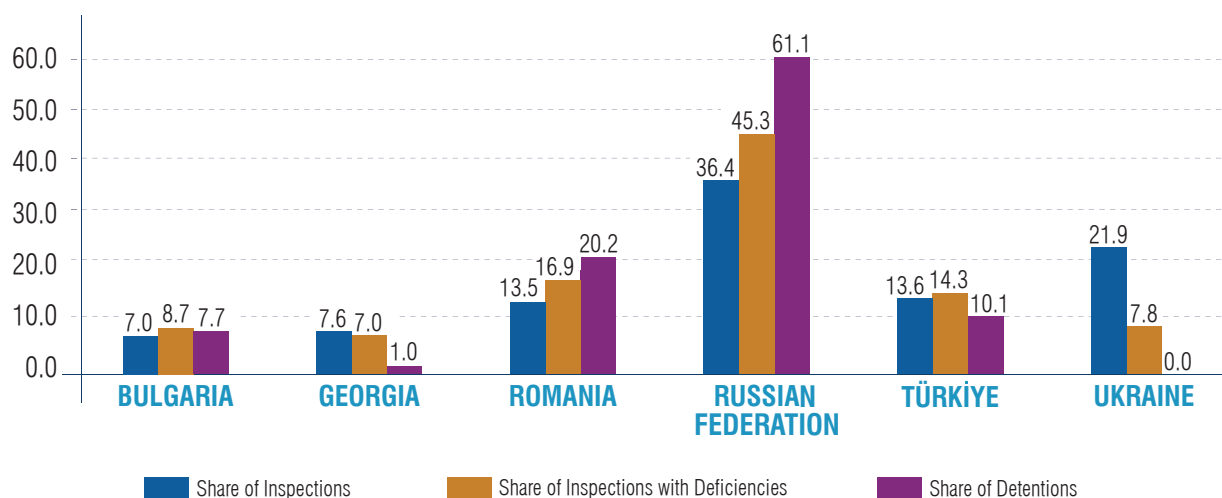
<sup>(4)</sup>Individual ships detained as per cent of individual ships inspected <sup>(5)</sup>Detentions as per cent of inspections.

**Figure 1: Inspection and Detention Rates by Authority and Region**



In order to determine the level of contributions of the member Authorities to the regional inspections, the share of inspections, the share of inspections with deficiencies and the share of detentions are presented in **Figure 2**.

**Figure 2: Share of Inspections, Inspections with Deficiencies and Detentions of Members as Percentage of Regional Total**

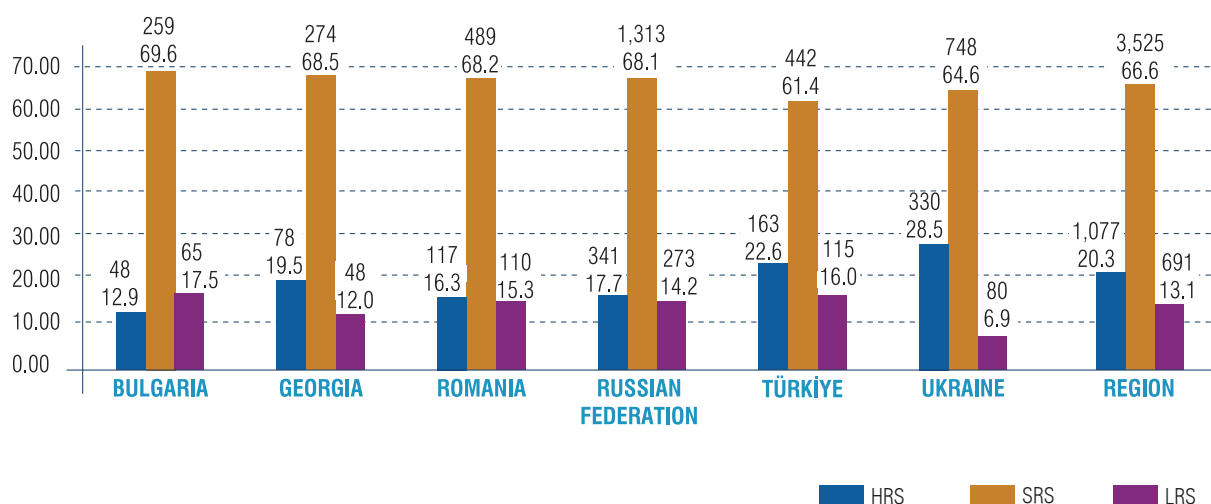


Breakdowns of inspections by ship risk profile and by ship inspection priorities are presented in **Table 3** and in **Figure 3**. The majority of the inspected ships are standard risk ships (SRP)s 3,525 (66.6%), followed by high risk ships (HRS) 1,077 (20.3) and taking into account the ship inspection priorities of the Inspection and Selection Scheme, the majority of the inspected ships are Priority I ships with 2,127 inspections and 40.2% rate.

**Table 3: Inspection Data by Ship Inspection Priorities**

AUTHORITY	SHIP PRIORITY OF INSPECTION						TOTAL NUMBER OF INSPECTIONS
	Priority I		Priority II		No Priority		
	NUMBER	%	NUMBER	%	NUMBER	%	
Bulgaria	119	32.0	48	12.9	205	55.1	372
Georgia	205	51.3	130	32.5	65	16.3	400
Romania	255	35.6	120	16.7	342	47.7	717
Russian Federation	811	42.1	598	31.0	518	26.9	1,927
Türkiye	372	51.7	242	33.6	106	14.7	720
Ukraine	365	31.5	610	52.7	183	15.8	1,158
<b>REGION</b>	<b>2,127</b>	<b>40.2</b>	<b>1,748</b>	<b>33.0</b>	<b>1,419</b>	<b>26.8</b>	<b>5,294</b>

Figure 3: Inspection Data by Ship Risk Profile



## Inspection Data by Flag

In 2023, a total of 5,294 inspections were carried out on ships registered under 72 flags. The flag State with the largest number of ships inspected in the region was Panama with 1,042 inspections (19.69%) followed by Liberia with 736 (13.91%), Marshall Islands with 488 (9.22%), and Malta with 330 (6.23%). Together, these four flag States accounted for 2,596 inspections, representing nearly half of the total inspections (49.05%). **Table 4** presents the top 5 PSC inspections by flags in 2023.

Table 4: Top 5 Inspections by Flag of the Ships

FLAG	2022		2023		DIFFERENCE		2021-2023
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	%	SHARE
Panama	868	17.46%	1,042	19.68%	174	16.70%	<b>18.23%</b>
Liberia	647	13.01%	736	13.90%	89	12.09%	<b>12.61%</b>
Marshall Islands	516	10.38%	488	9.22%	-28	-5.74%	<b>10.61%</b>
Palau	203	4.08%	330	6.23%	127	38.48%	<b>3.96%</b>
Malta	470	9.45%	326	6.16%	-144	-44.17%	<b>8.38%</b>

In 2023, ships registered under 27 foreign flags were observed to have deficiencies sufficiently serious to impair the seaworthiness and warrant detention. A high detention percentage was observed for Mongolia (25.00%), followed by Ukraine (20.00%) and Cameroon (16.67%) flagged vessels. **Table 5** illustrates inspection data by flags exceeding the average detention percentage (with inspections more than 10).

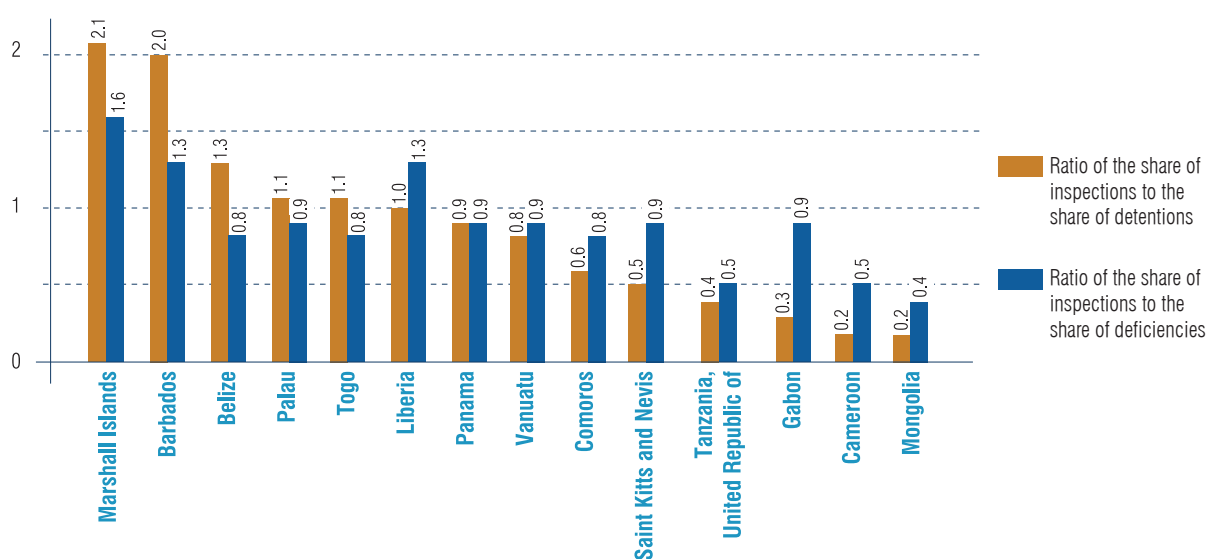
**Table 5: 2023 Detentions Per Flag, Exceeding Average Detention Percentage  
(Number of Inspections > 10, with a Detention Percentage Exceeding 3.93%)**

FLAG	NUMBER OF INSPECTIONS	NO. OF INDIVIDUAL SHIPS INSPECTED	NO. OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	% OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DETENTIONS	DETENTION % 2023	EXCESS OF AVERAGE 2023	DETENTION % 2022	EXCESS OF AVERAGE 2022 (3.50)
Cameroon	156	69	112	1,111	71.79	26	16.67%	12.74	12.50	9.00
Comoros	197	85	134	848	68.02	14	7.11%	3.18	8.28	4.78
Gabon	26	17	20	91	76.92	3	11.54%	7.61	0.00	-3.50
Lebanon	10	6	6	39	60.00	1	10.00%	6.07	0.00	-3.50
Liberia	736	569	403	1,916	54.76	30	4.08%	0.15	2.47	-1.03
Mongolia	24	11	15	180	62.50	6	25.00%	21.07	20.00	16.50
Norway	20	17	8	37	40.00	1	5.00%	1.07	0.00	-3.50
Panama	1,042	666	671	3,744	64.40	47	4.51%	0.58	5.30	1.80
Saint Kitts and Nevis	149	81	100	573	67.11	12	8.05%	4.12	2.78	-0.72
Tanzania, United Republic of	109	52	86	684	78.90	12	11.01%	7.08	7.41	3.91
Ukraine	15	14	15	113	100.00	3	20.00%	16.07	10.53	7.03
Vanuatu	163	75	111	618	68.10	8	4.91%	0.98	2.91	-0.59
Vietnam	12	6	12	91	100.00	1	8.33%	4.40	12.50	9.00

Figure 4 presents the ratio of the share of inspections to the share of detentions and to the share of deficiencies which indicates the relative level of detentions and deficiencies. Despite the detentions recorded, the Marshall Islands, followed by Barbados and Belize performed well concerning either detentions or deficiencies.

Further information on inspection data by Flag is available in **Table 11** "Inspection Data by Flag".

**Figure 4: Ratio of the Share of Inspections to the Share of Detentions and to the Share of Deficiencies by the Flags  
(Inspections > 20 and Detentions > 2)**





## Inspection Data by Recognized Organization

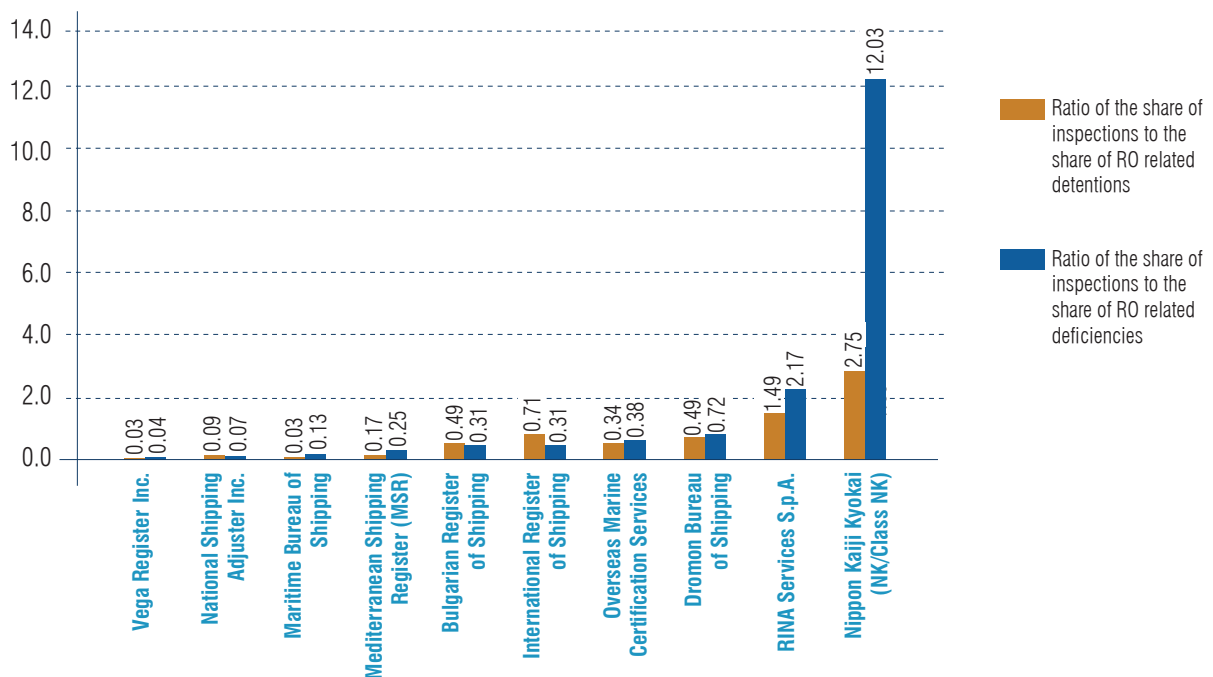
The majority of ships inspected in 2023 are in class with Bureau Veritas 1,023 (13,45%), Nippon Kaiji Kyokai 910 (11.96%), DNV AS (before the name of class change DNV GL AS included) 749 (9.84%), Lloyd’s Register 612 (8.04%) and followed by RINA 493 (6.48%).

During 2023, there were 19 detentions with RO related detainable deficiencies, 6 of them were related to the Vega Register and 2 of them were related to the Dromon Bureau of Shipping and Bulgarian Register of Shipping.

**Figure 5** presents ratios of the share of inspections to the share of RO related detentions and the share of RO related detainable deficiencies. It is observed that despite having detentions, ClassNK and RINA performed well concerning either RO related detentions or RO related deficiencies.

Further information on inspection data by Recognized Organizations is available in **Table 12** “Inspection Data by Recognized Organizations”.

**Figure 5: Ratio of the Share of Inspections to the Share of RO Related Detentions and to the Share of RO Related Detainable Deficiencies (Inspections with RO Related Detentions)**



## Inspection Data by Ship Type

When considering the breakdown of ships inspected by ship type, the largest group of the ship inspected during 2023 were general cargo/multipurpose with 2,120 (40.05%) inspections, bulk carrier 1,587 (29.98%) and oil tanker/chemical tanker 613 (11.58%), which represent 81.61 per cent of inspections. For the year 2023, the top 5 inspections by ship type are presented below.

**Table 6: 2023 Top 5 Inspections by Ship Type**

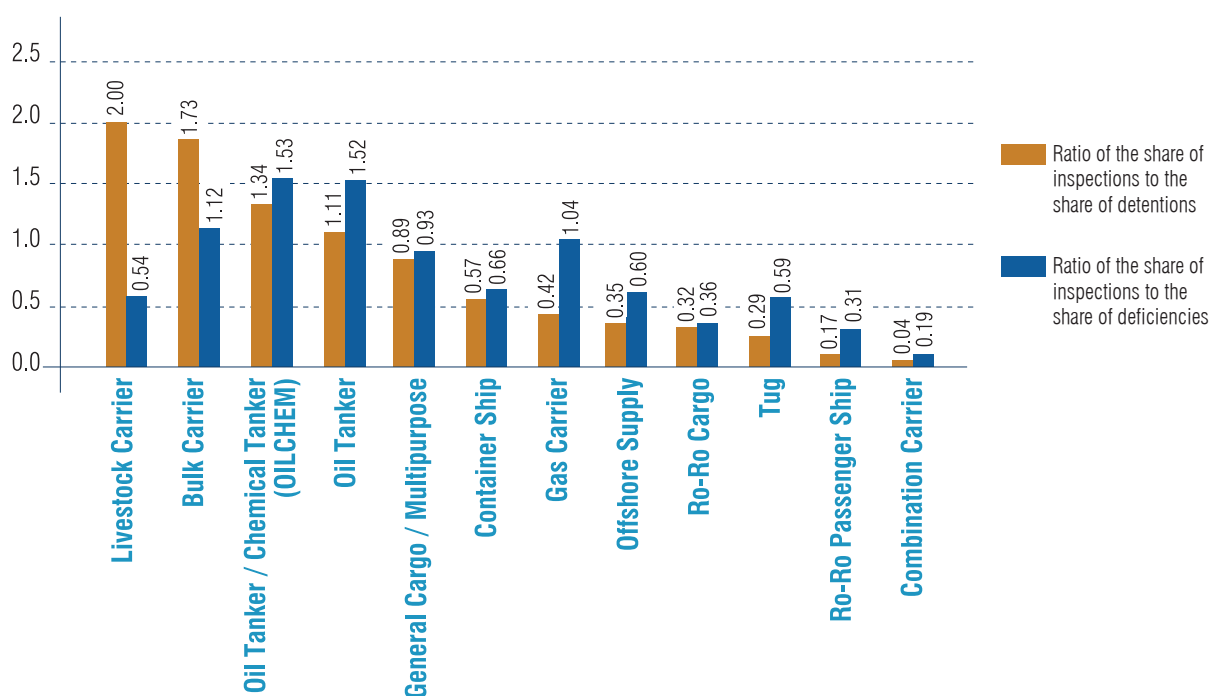
SHIP TYPES	2022		2023		DIFFERENCE		2021-2023
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	%	SHARE
General Cargo/Multipurpose	1,887	37.95%	2,120	40.05%	233	10.99%	<b>36.75%</b>
Bulk Carrier	1,660	33.39%	1,587	29.98%	-73	-4.60%	<b>34.03%</b>
Oil Tanker/Chemical Tanker (OILCHEM)	575	11.56%	613	11.58%	38	6.20%	<b>11.15%</b>
Oil Tanker	394	7.92%	425	8.03%	31	7.29%	<b>7.33%</b>
Container Ship	179	3.60%	263	4.97%	84	31.94%	<b>4.33%</b>

The majority of detained ships were also the same; types of general cargo/multipurpose ships with 94 (45.19%) detentions and followed by bulk carriers with 36 (17.31%) detentions and oil tanker/chemical tanker with 18 (8.65%) detentions, which accounted for 71.15 per cent of the total detentions.

**Figure 6** shows how the inspected ship types performed with regard to detentions and deficiencies. A higher share of detentions and deficiencies compared to the share of inspections indicated that a particular type of ship was underperforming with respect to detentions and deficiencies.

Further information on inspection data by ship type is available in **Table 13** "Inspection Data by Ship Type".

**Figure 6: Share of Inspections to Share of Detentions and to Share of Deficiencies for Ship Types**



## Inspection Data by Ship Age

When considering the breakdown of ships inspected by ship age, the largest group of the ships inspected during 2023 were ships that are 16-20 years old with 1,180 inspections (22.29%) and followed by ships 11-15 years old with 1,016 inspections (19.19%) and ships more than 35 years old with 925 inspections (17.47%).

A significant rise in the number of inspections conducted on older ships, particularly those aged over 30 years, was observed when comparing data from 2022 (40.0%). Conversely, there was a substantial decrease in inspections on younger ships, those less than 10 years old, with a decrease of 29.9%. For the year 2023, inspections by ship age are presented below.

**Table 7: 2023 Inspections by Ship Age**

SHIP AGE	2022		2023		DIFFERENCE		2021-2023
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	%	SHARE
<b>0-5</b>	219	4.40%	121	2.29%	-98	-44.75%	<b>5.01%</b>
<b>6-10</b>	514	10.34%	323	6.10%	-191	-37.16%	<b>11.84%</b>
<b>11-15</b>	1,151	23.15%	1,016	19.19%	-135	-11.73%	<b>22.31%</b>
<b>16-20</b>	932	18.74%	1,180	22.29%	248	26.61%	<b>17.98%</b>
<b>21-24</b>	432	8.69%	501	9.46%	69	15.97%	<b>8.34%</b>
<b>25-29</b>	517	10.40%	720	13.60%	203	39.26%	<b>10.82%</b>
<b>30-34</b>	360	7.24%	508	9.60%	148	41.11%	<b>7.48%</b>
<b>35+</b>	847	17.04%	925	17.47%	78	9.21%	<b>16.22%</b>

The majority of detained ships were more than 35 years old with 61 detentions (29.33%) and followed by ships 16-20 years old with 45 detentions (21.63%) and ships 25-29 years old with 32 detentions (15.38%).

## Inspection Data by Deficiency

A total of 17,326 deficiencies were recorded during the port State control inspections in 2023. The majority of the deficiencies found upon inspection in 2023 were related to the safety of navigation 2,438 (14.1%), life saving appliances 1,941 (11.2%), health protection, medical care, social security 1,938 (11.2%), fire safety 1,568 (9.0%) and documents 1,278 (7.4%). These five categories make up 52.9% of the total deficiencies found in 2023. The top 5 category of deficiencies are presented below.

**Table 8: 2023 Top 5 Category of Deficiencies**

CATEGORY OF DEFICIENCIES	2022		2023		DIFFERENCE		2021-2023
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	%	SHARE
Safety of Navigation	2,391	14.9%	2,438	14.1%	47	1.9%	<b>14.1%</b>
Life-Saving Appliances	1,849	11.5%	1,941	11.2%	92	4.7%	<b>11.9%</b>
Health Protection, Medical Care, Social Security	1,925	12.0%	1,938	11.2%	13	0.7%	<b>11.7%</b>
Fire Safety	1,397	8.7%	1,568	9.0%	171	10.9%	<b>9.1%</b>
Documents	1,108	6.9%	1,278	7.4%	170	13.3%	<b>6.9%</b>

The number of ISM related deficiencies was 389 which accounted for 2.25 per cent of the deficiencies, while ISM related detainable deficiencies were 74 and 6.37% of the detainable deficiencies.

1,162 detainable deficiencies were recorded during the port State control inspections in 2023. During the year, a 6.71 per cent of total deficiencies were recorded as detainable deficiencies.

The majority of the detainable deficiencies found upon inspections in 2023 were related to safety of navigation 199 (17.1%), fire safety 136 (11.7%), emergency systems 135 (11.6%), life-saving appliances 82 (7.1%) and ISM 74 (6.4%). These five categories make up 53.9% of the total detainable deficiencies found in 2023. The top 5 category of detainable deficiencies are presented below.

Further information on inspection data by type of deficiencies is available in **Table 14** "Inspection Data by Type of Deficiencies".

**Table 9: 2023 Top 5 Category of Detainable Deficiencies**

DETAINABLE DEFICIENCIES	2022		2023		DIFFERENCE		2021-2023
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	%	SHARE
Safety of Navigation	164	19.5%	199	17.1%	35	17.6%	<b>16.6%</b>
Fire Safety	106	12.6%	136	11.7%	30	22.1%	<b>12.3%</b>
Emergency Systems	98	11.6%	135	11.6%	37	27.4%	<b>12.5%</b>
Life-Saving Appliances	75	8.9%	82	7.1%	7	8.5%	<b>9.0%</b>
ISM	58	6.9%	74	6.4%	16	21.6%	<b>7.0%</b>

Out of the recorded deficiencies in 2023, 70 of them were RO related detainable deficiencies and as a result of these RO-related deficiencies, 19 detentions were recorded. The percentage of RO-related detainable deficiencies to total detainable deficiencies was 6.02%, while the percentage of RO-related detentions to total detentions was 9.13%.

The majority of the RO related detainable deficiencies found upon inspection in 2023 were related to water/ weathertight conditions with 15 deficiencies (21.4%), fire safety with 13 (18.6%), structural conditions with 9 (12.9%), safety of navigation with 7 (10.0%) and emergency systems 6 (8.6%).

Further information on inspection data by RO is available in **Table 12** "Inspection Data by Recognized Organizations".

## 2023 Maritime Labour Convention Results

MLC, 2006 compliance is verified during 3,016 PSC inspections carried out in 2023 by Bulgaria, Romania and the Russian Federation and the results are presented in **Table 10**. The table identifies the number of MLC 2006 related deficiencies, detainable deficiencies and detentions by ship flag, ship type and ship age.

PSCOs from Bulgaria, Romania and the Russian Federation identified 2,601 deficiencies related to MLC, 2006 issues. This represents 19.42 per cent of the total deficiencies recorded by aforementioned Authorities (13,390). The number of MLC related deficiencies per inspection equated to 0.86.

Of the 984 detainable deficiencies recorded by member States which are party to MLC, 2006, 90 were related to MLC related detainable deficiencies. This represented 8.99 per cent of the total detainable deficiencies. Of the 185 detentions, 57 (30.81%) were due to the MLC, 2006 related detainable deficiencies. In 2023, the MLC related detention percentage was recorded as 1.89 which is considerably less than the regional detention percentage of 3.93.

**Table 10: 2023 MLC Results by Ship Flag, Ship Type and Ship Age**

SHIP FLAG	NO. OF INSPECTIONS	TOTAL DEFICIENCIES	MLC DEFICIENCIES	TOTAL DETAINABLE DEFICIENCIES	MLC DETAINABLE DEFICIENCIES	TOTAL DETENTIONS	MLC DETENTIONS
Bahamas	31	124	23	0	0	0	0
Barbados	91	352	76	6	1	3	1
Belize	86	474	108	25	2	3	2
Cameroon	73	851	86	185	15	25	10
Comoros	58	510	95	80	4	9	1
Cook Islands	40	176	26	2	0	1	0
Greece	54	74	14	4	1	1	1
Hong Kong, China	35	144	36	4	0	1	0
Liberia	541	1,690	346	82	8	29	7
Malta	212	455	83	4	0	1	0
Marshall Islands	374	966	175	24	2	9	2
Palau	142	902	218	56	5	9	3
Panama	589	3,090	621	188	18	45	11
Saint Kitts and Nevis	81	468	89	36	2	12	2
Sierra Leone	51	278	75	0	0	0	0
Tanzania, United Republic of	46	449	92	98	10	9	4
Togo	49	406	77	59	12	4	4
Türkiye	120	302	63	4	1	1	1
Vanuatu	58	312	43	28	1	5	1
<b>TOTALS</b>	<b>3,016</b>	<b>13,390</b>	<b>2,601</b>	<b>984</b>	<b>90</b>	<b>185</b>	<b>57</b>

Table 10: 2023 MLC Results by Ship Flag, Ship Type and Ship Age (Continue)

SHIP TYPE	NO. OF INSPECTIONS	TOTAL DEFICIENCIES	MLC DEFICIENCIES	TOTAL DETAINABLE DEFICIENCIES	MLC DETAINABLE DEFICIENCIES	TOTAL DETENTIONS	MLC DETENTIONS
Bulk Carrier	1,087	4,302	934	108	7	34	7
Chemical Tanker	12	26	4	0	0	0	0
Container Ship	183	1,151	234	72	5	17	4
Gas Carrier	40	142	24	28	1	5	1
General Cargo/Multipurpose	766	4,606	927	518	51	74	28
Livestock Carrier	23	189	51	20	3	1	1
Oil Tanker	379	829	101	42	1	15	1
Oil Tanker/Chemical Tanker (OILCHEM)	426	1,217	234	64	7	18	5
Ro-Ro Cargo	36	402	39	47	5	8	3
Ro-Ro Passenger Ship	23	293	10	45	4	8	4
Tug	19	122	28	24	3	3	2
<b>TOTALS</b>	<b>3,016</b>	<b>13,390</b>	<b>2,601</b>	<b>984</b>	<b>90</b>	<b>185</b>	<b>57</b>

SHIP AGE	NO. OF INSPECTIONS	TOTAL DEFICIENCIES	MLC DEFICIENCIES	TOTAL DETAINABLE DEFICIENCIES	MLC DETAINABLE DEFICIENCIES	TOTAL DETENTIONS	MLC DETENTIONS
0-5	64	72	15	10	1	1	1
6-10	209	397	79	0	0	0	0
11-15	668	1,974	387	52	3	17	3
16-20	807	2,884	541	143	11	44	8
21-24	356	1,673	386	90	11	24	8
25-29	404	2,496	525	132	10	28	7
30-34	205	1,299	248	130	13	23	9
35+	303	2,595	420	427	41	48	21
<b>TOTALS</b>	<b>3,016</b>	<b>13,390</b>	<b>2,601</b>	<b>984</b>	<b>90</b>	<b>185</b>	<b>57</b>

# Port State Inspection Data for 2023

Table 11: Inspection Data by Flag

FLAG	NUMBER OF INSPECTIONS	NO. OF INSPECTIONS WITH DEFICIENCIES	NO. OF DEFICIENCIES	NO. OF DETENTION	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES
Antigua and Barbuda	48	28	154	0	0	40	0.00	58.33
Azerbaijan	11	4	12	0	0	7	0.00	36.36
Bahamas	46	27	147	0	0	40	0.00	58.70
Bangladesh	1	1	10	0	0	1	0.00	100.00
Barbados	150	88	390	3	6	101	2.00	58.67
Belgium	2	0	0	0	0	2	0.00	0.00
Belize	134	93	540	4	32	71	2.99	69.40
Bulgaria	1	1	1	0	0	1	0.00	100.00
Cameroon	156	112	1,111	26	186	69	16.67	71.79
Cayman Islands (GB)	5	2	6	0	0	5	0.00	40.00
China	17	12	52	0	0	14	0.00	70.59
Comoros	197	134	848	14	123	85	7.11	68.02
Cook Islands	53	44	216	1	2	37	1.89	83.02
Croatia	8	5	13	0	0	7	0.00	62.50
Curacao	1	0	0	0	0	1	0.00	0.00
Cyprus	10	8	48	0	0	10	0.00	80.00
Denmark	4	3	9	0	0	4	0.00	75.00
Dominica	1	1	6	0	0	1	0.00	100.00
Egypt	13	9	58	0	0	9	0.00	69.23
France	1	0	0	0	0	1	0.00	0.00
Gabon	26	20	91	3	9	17	11.54	76.92
Gambia	11	6	37	0	0	5	0.00	54.55
Germany	1	0	0	0	0	1	0.00	0.00
Gibraltar (GB)	4	3	12	0	0	2	0.00	75.00
Greece	66	21	76	1	4	54	1.52	31.82
Guinea-Bissau	21	16	88	0	0	12	0.00	76.19
Honduras	15	10	27	0	0	5	0.00	66.67
Hong Kong, China	50	28	155	1	4	43	2.00	56.00
India	5	3	7	0	0	5	0.00	60.00
Indonesia	1	1	5	0	0	1	0.00	100.00
Iran, Islamic Republic of	2	2	9	0	0	2	0.00	100.00
Ireland	1	1	2	0	0	1	0.00	100.00
Isle of Man (GB)	9	4	15	0	0	7	0.00	44.44
Italy	11	5	22	0	0	10	0.00	45.45
Japan	1	0	0	0	0	1	0.00	0.00
Kazakhstan	2	2	11	0	0	1	0.00	100.00
Korea, Republic of	9	8	57	2	5	8	22.22	88.89
Latvia	3	3	17	0	0	3	0.00	100.00
Lebanon	10	6	39	1	15	6	10.00	60.00

Table 11: Inspection Data by Flag (Continue)

FLAG	NUMBER OF INSPECTIONS	NO. OF INSPECTIONS WITH DEFICIENCIES	NO. OF DEFICIENCIES	NO. OF DETENTION	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES
Liberia	736	403	1,916	30	85	569	4.08	54.76
Lithuania	1	1	4	0	0	1	0.00	100.00
Luxembourg	1	0	0	0	0	1	0.00	0.00
Malaysia	1	1	3	0	0	1	0.00	100.00
Malta	326	126	508	1	4	268	0.31	38.65
Marshall Islands	488	247	1,022	9	24	412	1.84	50.61
Moldova, Republic of	1	1	4	0	0	1	0.00	100.00
Mongolia	24	15	180	6	35	11	25.00	62.50
Netherlands	22	11	54	0	0	22	0.00	50.00
Niue	6	2	5	0	0	4	0.00	33.33
Norway	20	8	37	1	4	17	5.00	40.00
Palau	330	207	1,166	12	79	188	3.64	62.73
Panama	1,042	671	3,744	47	196	666	4.51	64.40
Philippines	9	1	0	0	0	8	0.00	11.11
Portugal	36	20	79	0	0	29	0.00	55.56
Russian Federation	174	129	552	0	0	154	0.00	74.14
Saint Kitts and Nevis	149	100	573	12	36	81	8.05	67.11
Saint Vincent and the Grenadines	32	25	142	1	1	25	3.13	78.13
San Marino	7	5	29	0	0	5	0.00	71.43
Ship Registration Withdrawn	5	5	41	0	0	3	0.00	100.00
Sierra Leone	93	71	373	2	24	54	2.15	76.34
Singapore	40	18	71	0	0	39	0.00	45.00
Tanzania, United Republic of	109	86	684	12	106	52	11.01	78.90
Thailand	2	1	10	0	0	2	0.00	50.00
Togo	137	88	586	5	73	64	3.65	64.23
Tunisia	3	3	17	1	2	1	33.33	100.00
Türkiye	186	100	350	1	4	141	0.54	53.76
Tuvalu	13	7	48	0	0	6	0.00	53.85
Ukraine	15	15	113	3	32	14	20.00	100.00
United Kingdom	3	2	12	0	0	3	0.00	66.67
United States	1	1	3	0	0	1	0.00	100.00
Vanuatu	163	111	618	8	67	75	4.91	68.10
Vietnam	12	12	91	1	4	6	8.33	100.00
<b>TOTAL</b>	<b>5,294</b>	<b>3,204</b>	<b>17,326</b>	<b>208</b>	<b>1,162</b>	<b>3,541</b>	<b>3.93</b>	<b>60.52</b>



Table 12: Inspection Data by Recognized Organizations

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF RO RELATED DEFICIENCIES	NUMBER OF DETENTIONS	DETENTION WITH RO RELATED DETANABLE DEFICIENCIES	DETENTION PERCENTAGE	RO RELATED DETENTION PERCENTAGE	% OF RO RELATED DETENTION
Aegean Register of Shipping	2	0	0	0	0	0	0.00	0.00	0.00
American Bureau of Shipping	461	220	776	0	5	0	1.08	0.00	0.00
American Register of Shipping	17	7	24	0	0	0	0.00	0.00	0.00
Asia Shipping Certification Services	1	0	0	0	0	0	0.00	0.00	0.00
Bulgarian Register of Shipping	163	110	601	7	7	1	4.29	0.61	14.29
Bureau Veritas	1,023	535	2,576	0	29	0	2.83	0.00	0.00
China Classification Society	117	80	398	0	3	0	2.56	0.00	0.00
Columbus American Register	23	13	52	0	0	0	0.00	0.00	0.00
Cosmos Marine Bureau Inc.	8	7	59	0	1	0	12.50	0.00	0.00
Croatian Register of Shipping	36	21	110	0	1	0	2.78	0.00	0.00
DNV AS (DNV)	639	352	1,687	0	20	0	3.13	0.00	0.00
DNV GL AS	110	50	193	0	1	0	0.91	0.00	0.00
Dromon Bureau of Shipping	327	224	1,232	6	12	2	3.67	0.61	16.67
Germanischer Lloyd	3	2	11	0	0	0	0.00	0.00	0.00
Guardian Bureau of Shipping (GBS)	9	8	69	0	0	0	0.00	0.00	0.00
Hellenic Register of Shipping	3	2	11	0	0	0	0.00	0.00	0.00
Indian Register of Shipping	180	110	554	0	11	0	6.11	0.00	0.00
Inspeccion y Clasificacion Maritima (INCLAMAR)	2	0	0	0	0	0	0.00	0.00	0.00
Inter maritime Certification Services, ICS Class	33	29	153	0	1	0	3.03	0.00	0.00
International Maritime Register	1	0	0	0	0	0	0.00	0.00	0.00
International Naval Surveys Bureau	254	178	1,032	0	7	0	2.76	0.00	0.00
International Register of Shipping	234	160	881	10	12	1	5.13	0.43	8.33
International Ship Classification	13	6	32	0	2	0	15.38	0.00	0.00
Intertek Maritime Bureau	5	3	15	0	0	0	0.00	0.00	0.00
Iranian Classification Society	2	2	9	0	0	0	0.00	0.00	0.00
Isthmus Bureau of Shipping, S.A.	111	79	424	0	5	0	4.50	0.00	0.00
Korea Classification Society	1	1	6	0	0	0	0.00	0.00	0.00
Korean Register	117	67	396	0	8	0	6.84	0.00	0.00

Table 12: Inspection Data by Recognized Organizations (Continue)

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF RO RELATED DEFICIENCIES	NUMBER OF DETENTIONS	DETENTION WITH RO RELATED DETANABLE DEFICIENCIES	DETENTION PERCENTAGE	RO RELATED DETENTION PERCENTAGE	% OF RO RELATED DETENTION
Lloyd's Register	612	327	1,459	0	14	0	2.29	0.00	0.00
Macosnar Corporation	21	18	152	0	1	0	4.76	0.00	0.00
Maritime Bureau of Shipping	10	9	126	1	4	1	40.00	10.00	25.00
Maritime Lloyd (ML)	46	40	289	0	3	0	6.52	0.00	0.00
Mediterranean Shipping Register (MSR)	57	35	198	3	2	1	3.51	1.75	50.00
National Shipping Adjuster Inc.	31	19	105	6	2	1	6.45	3.23	50.00
New United International Marine Services Ltd.	2	2	20	0	0	0	0.00	0.00	0.00
Nippon Kaiji Kyokai (NK/Class NK)	910	517	2,582	1	23	1	2.53	0.11	4.35
Overseas Marine Certification Services	114	86	617	4	12	1	10.53	0.88	8.33
Panama Marine Survey and Certification Services Inc.	1	1	4	0	0	0	0.00	0.00	0.00
Panama Maritime Documentation Services	26	15	97	0	2	0	7.69	0.00	0.00
Panama Maritime Surveyor Bureau Inc.	1	0	0	0	0	0	0.00	0.00	0.00
Panama Shipping Registrar Inc.	8	2	13	0	0	0	0.00	0.00	0.00
Phoenix Register of Shipping	330	205	1,094	0	10	0	3.03	0.00	0.00
Polski Rejestr Statkow (Polish Register of Shipping)	70	38	208	0	4	0	5.71	0.00	0.00
Qualitas Register of Shipping S.A	51	43	251	0	3	0	5.88	0.00	0.00
R.J. Del Pan	1	1	16	0	1	0	100.00	0.00	0.00
RINA Services S.p.A.	493	287	1,501	3	19	1	3.85	0.20	5.26
Rinave Portuguesa	2	2	12	0	0	0	0.00	0.00	0.00
Russian Maritime Register of Shipping	237	172	784	0	1	0	0.42	0.00	0.00
Shipping Register of Ukraine (SRU)	48	35	217	0	4	0	8.33	0.00	0.00
Turkish Lloyd	91	52	212	0	2	0	2.20	0.00	0.00
Union Bureau of Shipping	1	0	0	0	0	0	0.00	0.00	0.00
Universal Shipping Bureau Inc.	1	1	5	0	0	0	0.00	0.00	0.00
Vega Register Inc.	68	41	482	23	12	6	17.65	8.82	50.00
Veritas Register of Shipping	76	50	289	0	1	0	1.32	0.00	0.00
Vietnam Register	10	10	85	0	1	0	10.00	0.00	0.00
Other	396	283	2,138	6	43	3	10.86	0.76	6.98

**Note:** Number of inspections and detentions are calculated corresponding to each recognized organization (RO) that issued certificate(s) for a ship. In case that ship's certificates were issued more than one ROs, the inspection and detention would be counted to each of them.

Table 13: Inspection Data by Ship Type

TYPE OF SHIP	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES
Bulk Carrier	1,587	922	4,657	36	118	1,191	2.27	58.10
Chemical Tanker	19	8	38	0	0	15	0.00	42.11
Combination Carrier	1	1	17	1	4	1	100.00	100.00
Container Ship	263	203	1,302	18	73	184	6.84	77.19
Gas Carrier	53	31	167	5	28	38	9.43	58.49
Gas Carrier / NLS Tanker (GASNLS)	1	0	0	0	0	1	0.00	0.00
General Cargo/Multipurpose	2,120	1,348	7,424	94	685	1,267	4.43	63.58
Heavy Load	1	0	0	0	0	1	0.00	0.00
Livestock Carrier	51	46	310	1	20	25	1.96	90.20
Offshore Supply	9	7	49	1	12	7	11.11	77.78
Oil Tanker	425	223	916	15	42	335	3.53	52.47
Oil Tanker/Chemical Tanker (OILCHEM)	613	291	1,309	18	64	443	2.94	47.47
Other Special Activities	9	5	14	0	0	8	0.00	55.56
Passenger Ship	4	2	9	0	0	2	0.00	50.00
Refrigerated Cargo	9	3	19	0	0	6	0.00	33.33
Ro-Ro Cargo	66	61	604	8	47	24	12.12	92.42
Ro-Ro Passenger Ship	34	32	355	8	45	12	23.53	94.12
Special Purpose Ship	2	1	10	0	0	2	0.00	50.00
Tug	22	18	122	3	24	19	13.64	81.82
Vehicle Carrier	5	2	4	0	0	3	0.00	40.00
<b>ALL TYPES OF SHIPS</b>	<b>5,294</b>	<b>3,204</b>	<b>17,326</b>	<b>208</b>	<b>1,162</b>	<b>3,584</b>	<b>3.93</b>	<b>60.52</b>

Table 14: Inspection Data by Type of Deficiencies

CATEGORY OF DEFICIENCIES		NUMBER OF DEFICIENCIES	NO. OF DETAINABLE DEFICIENCIES	NO. OF RO RELATED DETAINABLE DEFICIENCIES	% OF TOTAL DEFICIENCIES	% OF TOTAL DETAINABLE DEFICIENCIES	% OF TOTAL RO RELATED DETAINABLE DEFICIENCIES
Certificates and Documents	Crew Certificates	252	56	0	1.45	4.82	0.00
	Documents	1,278	48	0	7.38	4.13	0.00
	Ship Certificates	529	73	4	3.05	6.28	5.71
SOLAS	Structural Conditions	705	43	9	4.07	3.70	12.86
	Emergency Systems	1,088	135	6	6.28	11.62	8.57
	Water/Weathertight Conditions	989	67	15	5.71	5.77	21.43
	Radio Communications	572	46	3	3.30	3.96	4.29
	Cargo Operations Including Equipment	145	9	0	0.84	0.77	0.00
	Fire Safety	1,568	136	13	9.05	11.70	18.57
	Alarms	129	13	3	0.74	1.12	4.29
	Safety of Navigation	2,438	199	7	14.07	17.13	10.00
	Dangerous Goods	36	0	0	0.21	0.00	0.00
	Life-Saving Appliances	1,941	82	4	11.20	7.06	5.71
	Propulsion and Auxiliary Machinery	1,233	53	1	7.12	4.56	1.43
Pollution Prevention	BWM	151	8	1	0.87	0.69	1.43
	Anti Fouling	7	0	0	0.04	0.00	0.00
	MARPOL Annex I	234	25	0	1.35	2.15	0.00
	Annex II	3	1	0	0.02	0.09	0.00
	Annex III	16	0	0	0.09	0.00	0.00
	Annex IV	55	3	0	0.32	0.26	0.00
	Annex V	233	3	0	1.34	0.26	0.00
	Annex VI	43	5	0	0.25	0.43	0.00
ILO/MLC	Living Conditions	77	0	0	0.44	0.00	0.00
	Working Conditions	724	10	0	4.18	0.86	0.00
	Minimum Requirements for Seafarers	7	0	0	0.04	0.00	0.00
	Conditions of Employment	20	8	0	0.12	0.69	0.00
	Accommodation, Recreational	505	28	1	2.91	2.41	1.43
	Health Protection, Medical Care, Social Security	1,938	35	3	11.19	3.01	4.29
ISM		389	74	0	2.25	6.37	0.00
Other		21	2	0	0.12	0.17	0.00
<b>TOTAL</b>		<b>17,326</b>	<b>1,162</b>	<b>70</b>			
ISPS		194	11	0	1.11	0.94	0.00
<b>GRAND TOTAL</b>		<b>17,520</b>	<b>1,173</b>	<b>70</b>			

**Note:** Security related data showing above table is not included in all other statistical tables and figures in this report.

Table 15: Inspection Data by Ship Risk Profile and Selection Scheme

SHIP INSPECTION PRIORITY	SHIP RISK PROFILE														
	HRS					SRS					LRS				
	NUMBER OF INDIVIDUAL SHIP VISITS	NUMBER OF INDIVIDUAL SHIP INSPECTED	NUMBER OF INDIVIDUAL SHIP DETAINED	NUMBER OF INSPECTION	NUMBER OF INSPECTION WITH DEFICIENCIES	NUMBER OF INDIVIDUAL SHIP VISITS	NUMBER OF INDIVIDUAL SHIP INSPECTED	NUMBER OF INDIVIDUAL SHIP DETAINED	NUMBER OF INSPECTION	NUMBER OF INSPECTION WITH DEFICIENCIES	NUMBER OF INDIVIDUAL SHIP VISITS	NUMBER OF INDIVIDUAL SHIP INSPECTED	NUMBER OF INDIVIDUAL SHIP DETAINED	NUMBER OF INSPECTION	NUMBER OF INSPECTION WITH DEFICIENCIES
PRIORITY I	490	403	38	473	379	2,512	1,446	42	1,467	889	516	187	2	187	80
PRIORITY II	242	291	16	465	323	760	781	21	967	544	385	312	4	316	158
NO PRIORITY	333	118	16	139	102	2,019	975	60	1,091	658	659	168	4	188	70
REGIONAL	648	561	62	1,077	804	3,876	2,667	121	3,525	2,091	1,196	628	10	691	308

SHIP INSPECTION PRIORITY	SHIP RISK PROFILE														
	HRS					SRS					LRS				
	NUMBER OF DETENTION	NUMBER OF DEFICIENCIES	NUMBER OF DETAINABLE DEFICIENCIES	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES	NUMBER OF DETENTION	NUMBER OF DEFICIENCIES	NUMBER OF DETAINABLE DEFICIENCIES	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES	NUMBER OF DETENTION	NUMBER OF DEFICIENCIES	NUMBER OF DETAINABLE DEFICIENCIES	DETENTION PERCENTAGE	% OF INSPECTION WITH DEFICIENCIES
PRIORITY I	39	2,475	247	8.25	80.13	42	4,357	164	2.86	60.60	2	363	4	1.07	42.78
PRIORITY II	17	1,953	99	3.66	69.46	22	2,594	68	2.28	56.26	4	629	7	1.27	50.00
NO PRIORITY	18	823	149	12.95	73.38	60	3,862	415	5.50	60.31	4	263	9	2.13	37.23
REGIONAL	74	5,251	495	6.87	74.65	124	10,813	647	3.52	59.32	10	1,255	20	1.45	44.57

Table 16: Inspection Data by Ship Age

SHIP AGE	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	DETENTION PERCENTAGE	% OF INSPECTIONS WITH DEFICIENCIES
0-5	121	34	120	1	10	0.83	28.10%
6-10	323	114	492	0	0	0.00	35.29%
11-15	1,016	530	2,327	18	55	1.77	52.17%
16-20	1,180	710	3,350	45	150	3.81	60.17%
21-24	501	331	1,824	24	90	4.79	66.07%
25-29	720	487	2,973	32	173	4.44	67.64%
30-34	508	325	1,900	27	147	5.31	63.98%
35+	925	673	4,340	61	537	6.59	72.76%
TOTALS	5,294	3,204	17,326	208	1,162	3.93	60.52%

# Statistical Data 2021-2023

## Summary

	2021	2022	2023
<b>Number of Inspections</b>	5,624	4,972	5,294
<b>Number of Inspections with Deficiencies</b>	3,003	2,981	3,204
<b>Number of Deficiencies Observed</b>	15,321	16,100	17,326
<b>Number of Detentions</b>	178	174	208
<b>% of Inspections with Deficiencies</b>	53.40	59.96	60.52
<b>Detention Percentage</b>	3.17	3.50	3.93
<b>Average Number of Deficiencies per Inspection</b>	2.72	3.24	3.27

## Inspection Data by Authority 2021-2023

MARITIME AUTHORITY	NO. OF INDIVIDUAL SHIP VISIT			NO. OF INDIVIDUAL SHIP INSPECTED			NO. OF INSPECTIONS			NO. OF INSPECTIONS WITH DEFICIENCIES			NUMBER OF DETENTIONS		
	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
<b>BULGARIA</b>	1,257	1,428	1,318	296	319	358	304	327	372	187	204	280	6	14	16
<b>GEORGIA</b>	626	580	635	306	360	362	348	387	400	223	249	224	7	6	2
<b>ROMANIA</b>	1,665	1,586	2,249	430	588	696	441	611	717	304	447	541	14	39	42
<b>RUSSIAN FEDERATION<sup>(1)</sup></b>	2,190	1,911	1,963	1,565	1,468	1,457	1,938	1,923	1,927	1,296	1,341	1,451	121	99	127
<b>TÜRKİYE<sup>(1)</sup></b>	1,414	1,295	1,390	396	523	631	423	568	720	268	340	457	17	9	21
<b>UKRAINE</b>	2,725*	1,293*	1,774	1,826	969	833	2,170	1,156	1,158	725	400	251	13	7	0

MARITIME AUTHORITY	% OF INSPECTIONS WITH DEFICIENCIES			DETENTION PERCENTAGE			DETENTION RATE <sup>(2)</sup>			INSPECTION RATE <sup>(3)</sup>		
	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
<b>BULGARIA</b>	61.51	62.39	75.27	1.97	4.28	4.30	2.03	4.39	4.47	23.55	22.34	27.16
<b>GEORGIA</b>	64.08	64.34	56.00	2.01	1.55	0.50	2.29	1.67	0.55	48.88	62.07	57.01
<b>ROMANIA</b>	68.93	73.16	75.45	3.17	6.38	5.86	3.26	6.63	5.75	25.83	37.07	30.95
<b>RUSSIAN FEDERATION<sup>(1)</sup></b>	66.87	69.73	75.30	6.24	5.15	6.59	6.90	6.20	7.76	71.46	76.82	74.22
<b>TÜRKİYE<sup>(1)</sup></b>	63.36	59.86	63.47	4.02	1.58	2.92	4.29	1.53	3.01	28.01	40.39	45.40
<b>UKRAINE</b>	33.41	34.60	21.68	0.60	0.61	0.00	0.71	0.72	0.00	67.01	74.94	46.96

\*Regarding the war in Ukraine, numbers of individual ships which visited the ports of the region during the year showing in the above table and the table of Inspection Data by Authority.

<sup>(1)</sup> Data only for the Black Sea Ports

<sup>(2)</sup> Individual ships detained as per cent of individual ships inspected

<sup>(3)</sup> Individual ships inspected as per cent of number of individual ships visited

## Inspection by Ship Type (In the Order of 2023 Top 10 Inspections)

SHIP TYPE	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
General Cargo/Multipurpose	1,833	32.6%	1,887	38.0%	2,119	40.0%	<b>36.7%</b>
Bulk Carrier	2,160	38.4%	1,660	33.4%	1,587	30.0%	<b>34.0%</b>
Oil Tanker/Chemical Tanker (OILCHEM)	164	2.9%	575	11.6%	613	11.6%	<b>8.5%</b>
Oil Tanker	584	10.4%	394	7.9%	425	8.0%	<b>8.8%</b>
Container Ship	246	4.4%	179	3.6%	263	5.0%	<b>4.3%</b>
Ro-Ro Cargo	90	1.6%	66	1.3%	66	1.2%	<b>1.4%</b>
Gas Carrier	44	0.8%	50	1.0%	53	1.0%	<b>0.9%</b>
Livestock Carrier	52	0.9%	55	1.1%	51	1.0%	<b>1.0%</b>
Ro-Ro Passenger Ship	26	0.5%	22	0.4%	34	0.6%	<b>0.5%</b>
Tug	22	0.4%	22	0.4%	22	0.4%	<b>0.4%</b>
Other	403	7.2%	62	1.2%	61	1.2%	<b>3.3%</b>
<b>TOTAL</b>	<b>5,624</b>		<b>4,972</b>		<b>5,294</b>		

## Inspection by Ship Flag (In the Order of 2023 Top 10 Inspections)

SHIP FLAGS	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Panama	986	17.5%	868	17.5%	736	13.9%	<b>16.3%</b>
Liberia	621	11.0%	647	13.0%	488	9.2%	<b>11.1%</b>
Marshall Islands	682	12.1%	516	10.4%	330	6.2%	<b>9.6%</b>
Palau	96	1.7%	203	4.1%	326	6.2%	<b>3.9%</b>
Malta	536	9.5%	470	9.5%	197	3.7%	<b>7.6%</b>
Comoros	141	2.5%	169	3.4%	186	3.5%	<b>3.1%</b>
Türkiye	251	4.5%	224	4.5%	174	3.3%	<b>4.1%</b>
Russian Federation	318	5.7%	254	5.1%	163	3.1%	<b>4.6%</b>
Vanuatu	88	1.6%	103	2.1%	156	2.9%	<b>2.2%</b>
Cameroon	30	0.5%	88	1.8%	150	2.8%	<b>1.7%</b>
Others	1,875	33.3%	1,430	28.8%	2,388	45.1%	<b>35.8%</b>
<b>TOTAL</b>	<b>5,624</b>		<b>4,972</b>		<b>5,294</b>		

## Detentions by Ship Types (In the Order of 2023 Top 10 Inspections)

SHIP TYPES	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
General Cargo/Multipurpose	70	39.3%	85	48.9%	94	45.2%	<b>44.5%</b>
Bulk Carrier	60	33.7%	47	27.0%	36	17.3%	<b>25.5%</b>
Container Ship	9	5.1%	8	4.6%	18	8.7%	<b>6.3%</b>
Oil Tanker/Chemical Tanker (OILCHEM)	4	2.2%	10	5.7%	18	8.7%	<b>5.7%</b>
Oil Tanker	5	2.8%	6	3.4%	15	7.2%	<b>4.6%</b>
Ro-Ro Cargo	15	8.4%	6	3.4%	8	3.8%	<b>5.2%</b>
Ro-Ro Passenger Ship	2	1.1%	5	2.9%	8	3.8%	<b>2.7%</b>
Gas Carrier	1	0.6%	1	0.6%	5	2.4%	<b>1.3%</b>
Tug	1	0.6%	3	1.7%	3	1.4%	<b>1.3%</b>
Combination Carrier	1	0.6%	1	0.6%	1	0.5%	<b>0.5%</b>
Livestock Carrier	3	1.7%	1	0.6%	1	0.5%	<b>0.9%</b>
Offshore Supply	0	0.0%	1	0.6%	1	0.5%	<b>0.4%</b>
Other	7	3.9%	0	0.0%	0	0.0%	<b>1.3%</b>
<b>TOTALS</b>	<b>178</b>		<b>174</b>		<b>208</b>		

## Detention by Ship Flag (At Least 1 Detention in 2023)

FLAGS	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Barbados	0	0.0%	2	1.1%	2	1.0%	0.7%
Belize	0	0.0%	9	5.2%	1	0.5%	1.8%
Cameroon	4	2.2%	11	6.3%	2	1.0%	3.0%
Comoros	5	2.8%	14	8.0%	9	4.3%	5.0%
Cook Islands	0	0.0%	1	0.6%	11	5.3%	2.1%
Gabon	0	0.0%	0	0.0%	14	6.7%	2.5%
Greece	0	0.0%	0	0.0%	1	0.5%	0.2%
Hong Kong, China	4	2.2%	3	1.7%	1	0.5%	1.4%
Korea, Republic of	0	0.0%	0	0.0%	1	0.5%	0.2%
Lebanon	0	0.0%	0	0.0%	1	0.5%	0.2%
Liberia	18	10.1%	16	9.2%	3	1.4%	6.6%
Malta	9	5.1%	3	1.7%	1	0.5%	2.3%
Marshall Islands	16	9.0%	10	5.7%	16	7.7%	7.5%
Mongolia	1	0.6%	1	0.6%	3	1.4%	0.9%
Norway	1	0.6%	0	0.0%	10	4.8%	2.0%
Palau	3	1.7%	10	5.7%	2	1.0%	2.7%
Panama	54	30.3%	46	26.4%	1	0.5%	18.0%
Saint Kitts and Nevis	2	1.1%	2	1.1%	10	4.8%	2.5%
Saint Vincent and the Grenadines	1	0.6%	1	0.6%	46	22.1%	8.6%
Sierra Leone	4	2.2%	3	1.7%	1	0.5%	1.4%
Tanzania, United Republic of	9	5.1%	6	3.4%	1	0.5%	2.9%
Togo	9	5.1%	13	7.5%	2	1.0%	4.3%
Tunisia	0	0.0%	0	0.0%	1	0.5%	0.2%
Türkiye	0	0.0%	2	1.1%	1	0.5%	0.5%
Ukraine	1	0.6%	2	1.1%	3	1.4%	1.1%
Vanuatu	7	3.9%	3	1.7%	1	0.5%	2.0%
Vietnam	0	0.0%	1	0.6%	2	1.0%	0.5%
Other	30	16.9%	15	8.6%	61	29.3%	18.9%
<b>TOTAL</b>	<b>178</b>		<b>174</b>		<b>208</b>		



## Inspection by Ship Risk Profile

SHIP RISK PROFILE	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
HRS	798	14.2%	797	16.0%	1,077	20.3%	<b>16.8%</b>
SRS	4,075	72.5%	3,597	72.3%	3,525	66.6%	<b>70.5%</b>
LRS	750	13.3%	575	11.6%	691	13.1%	<b>12.7%</b>
UNKNOWN	1	0.0%	3	0.1%	1	0.0%	<b>0.0%</b>
<b>REGIONAL</b>	<b>5,624</b>		<b>4,972</b>		<b>5,294</b>		

## Inspection by Ship Inspection Priorities

SHIP INSPECTION PRIORITIES	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Priority I	3,108	55.3%	2,485	50.0%	2,127	40.2%	<b>48.6%</b>
Priority II	1,010	18.0%	1,154	23.2%	1,748	33.0%	<b>24.6%</b>
No Priority	1,506	26.8%	1,333	26.8%	1,419	26.8%	<b>26.8%</b>
<b>REGIONAL</b>	<b>5,624</b>		<b>4,972</b>		<b>5,294</b>		

## Detentions by Ship Risk Profile

SHIP RISK PROFILE	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
HRS	39	21.9%	37	21.3%	74	35.6%	<b>26.8%</b>
SRS	127	71.3%	124	71.3%	124	59.6%	<b>67.0%</b>
LRS	12	6.7%	13	7.5%	10	4.8%	<b>6.3%</b>
UNKNOWN	0	0.0%	0	0.0%	0	0.0%	<b>0.0%</b>
<b>REGIONAL</b>	<b>178</b>		<b>174</b>		<b>208</b>		

## Detentions by Ship Inspection Priorities

SHIP INSPECTION PRIORITIES	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Priority I	92	51.7%	80	46.0%	83	39.9%	<b>45.5%</b>
Priority II	25	14.0%	38	21.8%	43	20.7%	<b>18.9%</b>
No Priority	61	34.3%	56	32.2%	82	39.4%	<b>35.5%</b>
<b>REGIONAL</b>	<b>178</b>		<b>174</b>		<b>208</b>		

## Major Categories of Deficiencies 2021-2023

CATEGORY OF DEFICIENCIES		2021		2022		2023	
		NUMBER	%	NUMBER	%	NUMBER	%
<b>Certificates and Documents</b>	Crew Certificates	169	1.10	245	1.52	252	1.45
	Documents	993	6.48	1,108	6.88	1,278	7.38
	Ship Certificates	375	2.45	422	2.62	529	3.05
<b>SOLAS</b>	Structural Conditions	1,309	8.54	634	3.94	705	4.07
	Emergency Systems	1,040	6.79	1,030	6.40	1,088	6.28
	Water/Weathertight Conditions	0	0.00	817	5.07	989	5.71
	Radio Communications	628	4.10	713	4.43	572	3.30
	Cargo Operations Including Equipment	136	0.89	129	0.80	145	0.84
	Fire Safety	1,447	9.44	1,397	8.68	1,568	9.05
	Alarms	155	1.01	148	0.92	129	0.74
	Safety of Navigation	2,043	13.33	2,391	14.85	2,438	14.07
	Dangerous Goods	43	0.28	32	0.20	36	0.21
	Life-Saving Appliances	2,007	13.10	1,849	11.48	1,941	11.20
	Propulsion and Auxiliary Machinery	988	6.45	1,018	6.32	1,233	7.12
<b>Pollution Prevention</b>	BWM	74	0.48	91	0.57	151	0.87
	Anti Fouling	1	0.01	3	0.02	7	0.04
	MARPOL Annex I	181	1.18	249	1.55	234	1.35
	Annex II	6	0.04	4	0.02	3	0.02
	Annex III	11	0.07	20	0.12	16	0.09
	Annex IV	26	0.17	42	0.26	55	0.32
	Annex V	228	1.49	223	1.39	233	1.34
	Annex VI	20	0.13	19	0.12	43	0.25
<b>ILO/MLC</b>	Living Conditions	197	1.29	109	0.68	77	0.44
	Working Conditions	790	5.16	727	4.52	724	4.18
	Minimum Requirements for Seafarers	7	0.05	7	0.04	7	0.04
	Conditions of Employment	17	0.11	21	0.13	20	0.12
	Accommodation Recreational	291	1.90	341	2.12	505	2.91
	Health Protection, Medical Care, Social Security	1,821	11.89	1,925	11.96	1,938	11.19
<b>ISM</b>		272	1.78	336	2.09	389	2.25
<b>Others</b>		46	0.30	50	0.31	21	0.12
<b>TOTAL</b>		<b>15,321</b>		<b>16,100</b>		<b>17,326</b>	

## Major Deficiencies by Category (In the Order 2023 Top 10)

DEFICIENCIES BY CATEGORY	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Safety of Navigation	2,043	13.3%	2,391	14.9%	2,438	14.1%	<b>14.6%</b>
Life-Saving Appliances	2,007	13.1%	1,849	11.5%	1,941	11.2%	<b>13.3%</b>
Health Protection, Medical Care, Social Security	1,821	11.9%	1,925	12.0%	1,938	11.2%	<b>9.8%</b>
Fire Safety	1,447	9.4%	1,397	8.7%	1,568	9.0%	<b>9.4%</b>
Documents	993	6.5%	1,108	6.9%	1,278	7.4%	<b>7.8%</b>
Propulsion and Auxiliary Machinery	988	6.4%	1,018	6.3%	1,233	7.1%	<b>6.9%</b>
Emergency Systems	1,040	6.8%	1,030	6.4%	1,088	6.3%	<b>6.6%</b>
Water/Weathertight Conditions	0	0.0%	817	5.1%	989	5.7%	<b>6.4%</b>
Working Conditions	790	5.2%	727	4.5%	724	4.2%	<b>5.7%</b>
Structural Conditions	1,309	8.5%	634	3.9%	705	4.1%	<b>4.2%</b>
Others	2,883	18.8%	3,204	19.9%	3,424	19.8%	<b>14.0%</b>
<b>TOTALS</b>	<b>15,321</b>		<b>16,100</b>		<b>17,326</b>		

## Top 5 Deficiencies 2021-2023

2021	2022	2023
Lights, Shapes, Sound-Signals 491 (3.20%)	Auxiliary Engine 532 (3.30%)	Auxiliary Engine 664 (3.83%)
Lifeboats 459 (3.0%)	Lifeboats 425 (2.64%)	Lifeboats 447 (2.58%)
Auxiliary Engine 449 (2.93%)	Lights, Shapes, Sound-Signals 418 (2.60%)	Lights, Shapes, Sound-Signals 393 (2.27%)
Emergency, Lighting, Batteries and Switches 435 (2.84%)	Emergency, Lighting, Batteries and Switches 385 (2.39%)	ISM 389 (2.25%)
Ropes and Wires 354 (2.31%)	Ropes and Wires 383 (2.38%)	Voyage or Passage Plan 387 (2.23%)

## Major Detainable Deficiencies by Category 2021-2023 (In the Order 2023 Top 10)

DETAINABLE DEFICIENCIES BY CATEGORIES	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Safety of Navigation	78	12.1%	164	19.5%	199	17.1%	16.65%
Fire Safety	83	12.9%	106	12.6%	136	11.7%	12.27%
Emergency Systems	97	15.1%	98	11.6%	135	11.6%	12.46%
Life-Saving Appliances	81	12.6%	75	8.9%	82	7.1%	8.98%
ISM	54	8.4%	58	6.9%	74	6.4%	7.02%
Ship Certificates	37	5.7%	54	6.4%	73	6.3%	6.19%
Water/Weathertight Conditions		0.0%	35	4.2%	67	5.8%	3.85%
Crew Certificates	15	2.3%	25	3.0%	56	4.8%	3.62%
Propulsion and Auxiliary Machinery	36	5.6%	44	5.2%	53	4.6%	5.02%
Documents	10	1.6%	19	2.3%	48	4.1%	2.91%
Others	153	23.8%	165	19.6%	239	20.6%	21.03%
<b>TOTALS</b>	<b>644</b>		<b>843</b>		<b>1,162</b>		

## Top 5 Detainable Deficiencies 2021-2023

2021	2022	2023
ISM 54 (8.39%)	ISM 58 (6.88%)	ISM 74 (6.37%)
Lifeboats 28 (4.35%)	Charts 35 (4.15%)	Fire Detection and Alarm System 56 (4.82%)
Emergency, Lighting, Batteries and Switches 25 (3.88%)	Fire Detection and Alarm System 34 (4.03%)	Charts 43 (3.70%)
Rescue Boats 25 (3.88%)	Fire Drills 32 (3.80%)	Fire Drills 31 (2.67%)
Fire Detection and Alarm System 23 (3.57%)	Nautical Publications 26 (3.08%)	Nautical Publications 30 (2.58%)

## Major RO Related Detainable Deficiencies by Categories 2021-2023 (In the Order 2023 Top 5)

RO RELATED DETAINABLE DEFICIENCIES BY CATEGORY	2021	2021 SHARE	2022	2022 SHARE	2023	2023 SHARE	2021-2023 SHARE
Water/Weathertight Conditions	0	0.0%	8	14.3%	15	21.4%	17.4%
Fire Safety	0	0.0%	8	14.3%	13	18.6%	15.9%
Structural Conditions	3	50.0%	2	3.6%	9	12.9%	10.6%
Safety of Navigation	1	16.7%	12	21.4%	7	10.0%	15.2%
Emergency Systems	0	0.0%	4	7.1%	6	8.6%	7.6%
<b>TOTALS</b>	<b>6</b>		<b>56</b>		<b>70</b>		

## RO Related Detainable Deficiencies 2021-2023

2021	2022	2023
Beams, Frames Floors-op. Damage 2 (33.33%)	International Code of Signals-SOLAS 4 (7.14%)	Covers (Hatchway-, Portable-, Tarpaulins, etc.) 5 (7.14%)
Doors 1 (16.67%)	Covers (Hatchway-Portable-Tarpaulins, etc.) 3 (5.36%)	Stability / Strength / Loading Information and Instruments 3 (4.29%)
Facilities for Reception of Marine Safety Inform 1 (16.67%)	Fire Detection and Alarm System 3 (5.36%)	Emergency Fire Pump and Its Pipes 3 (4.29%)
Gyro Compass 1 (16.67%)	Voyage Data Recorder (VDR) / Simplified Voyage 3 (5.36%)	Ballast, Fuel and Other Tanks 2 (2.86%)
ISM 1 (16.67%)	SOPEP 2 (3.57%)	Decks - Corrosion 2 (2.86%)

## Top 5 MLC Deficiencies 2021-2023

2021	2022	2023
Ropes and Wires 354 (15.93%)	Ropes and Wires 383 (15.85%)	Ropes and Wires 380 (14.61%)
Access / Structural Features (Ship) 287 (12.92%)	Access / Structural Features (Ship) 308 (12.74%)	Access / Structural Features (Ship) 237 (9.11%)
Lighting (Working Spaces) 286 (12.87%)	Lighting (Working Spaces) 246 (10.18%)	Lighting (Working Spaces) 212 (8.15%)
Electrical 166 (7.47%)	Winches & Capstans 158 (6.54%)	Winches & Capstans 181 (6.96%)
Steam Pipes, Pressure Pipes, Wires (Insulations) 113 (5.09%)	Electrical 130 (5.38%)	Electrical 158 (6.07%)

## Top 5 MLC Detainable Deficiencies 2021-2023

2021	2022	2023
Non-Payment of Wages 4 (12.50%)	Cleanliness of Engine Room 12 (17.65%)	Heating, Air Conditioning and Ventilation 16 (17.78%)
Winches & Capstans 4 (12.50%)	Winches & Capstans 11 (16.18%)	Cleanliness of Engine Room 14 (15.56%)
Access / Structural Features (Ship) 4 (12.50%)	Provisions Quantity 6 (8.82%)	Seafarers' Employment Agreement (SEA) 11 (12.22%)
Sanitary Facilities 3 (9.38%)	Heating, Air Conditioning and Ventilation 5 (7.35%)	Medical Certificate 6 (6.67%)
Anchoring Devices 3 (9.38%)	Sanitary Facilities 4 (5.88%) Medical Equipment, Medical Chest, Medical Guide 4 (5.88%)	Sanitary Facilities 6 (6.67%) Provisions Quantity 6 (6.67%)

## Inspection, Deficiency and Detention Data by Ship Flag 2021-2023

FLAG	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
Antigua and Barbuda	150	455	1	1	85
Azerbaijan	46	127	2	12	26
Bahamas	205	456	4	9	89
Bangladesh	10	62	2	10	6
Barbados	320	774	5	9	177
Belgium	11	28	1	2	3
Belize	285	1,096	13	66	197
Bermuda (GB)	2	3	0	0	1
Bulgaria	27	58	0	0	16
Cameroon	274	1,902	41	300	209
Cayman Islands (GB)	42	27	0	0	8
China	44	81	0	0	20
Comoros	507	2,395	33	265	392
Cook Islands	153	512	2	4	119
Croatia	20	51	1	5	10
Curacao	3	7	0	0	1
Cyprus	90	180	1	3	36
Denmark	48	137	0	0	32
Dominica	9	15	0	0	5
Egypt	56	246	1	1	42
Equatorial Guinea	16	116	2	8	14
Ethiopia	6	0	0	0	0
France	7	30	1	1	4
Gabon	34	134	3	9	27
Gambia	13	70	1	17	8
Georgia	3	13	0	0	2
Germany	9	24	0	0	4
Gibraltar (GB)	13	28	0	0	6
Greece	238	216	1	4	64
Guinea-Bissau	25	103	0	0	19
Guyana	6	21	0	0	6
Honduras	49	152	1	1	40
Hong Kong, China	284	693	8	18	126
India	27	78	1	4	17
Indonesia	4	27	0	0	4
Iran, Islamic Republic of	9	45	0	0	9
Ireland	2	2	0	0	1
Isle of Man (GB)	36	50	0	0	13
Israel	2	2	0	0	1
Italy	74	101	2	5	32
Jamaica	1	0	0	0	0
Japan	1	0	0	0	0
Jordan	1	0	0	0	0
Kazakhstan	2	11	0	0	2
Korea, Republic of	12	61	2	5	9
Kuwait	1	0	0	0	0
Latvia	5	17	0	0	3

FLAG	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
Lebanon	31	92	1	15	21
Liberia	2,004	4,839	64	166	995
Libyan Arab Jamahiriya	6	23	0	0	5
Lithuania	2	7	0	0	2
Luxembourg	11	8	0	0	3
Malaysia	2	21	0	0	2
Malta	1,332	1,972	13	39	472
Marshall Islands	1,686	3,119	35	77	688
Moldova, Republic of	170	804	12	64	141
Mongolia	33	323	8	46	23
Montenegro	1	0	0	0	0
Morocco	1	3	0	0	1
Netherlands	94	199	0	0	43
Niue	12	19	0	0	6
Norway	84	102	2	5	25
Pakistan	2	33	0	0	2
Palau	629	2,474	25	138	437
Panama	2,896	10,531	147	631	1,834
Philippines	32	24	0	0	7
Portugal	128	351	2	4	68
Qatar	3	4	0	0	2
Russian Federation	746	1,988	2	6	533
Saint Kitts and Nevis	266	1,097	16	55	195
Saint Vincent and the Grenadines	94	342	3	7	66
San Marino	7	29	0	0	5
Sao Tome and Principe	19	224	0	0	19
Saudi Arabia	4	2	0	0	1
Seychelles	2	6	0	0	2
Ship Registration Withdrawn	9	60	2	4	8
Sierra Leone	318	1,405	9	63	276
Singapore	252	491	4	15	101
Spain	1	5	0	0	1
Sri Lanka	1	0	0	0	0
Switzerland	5	16	0	0	2
Syrian Arab Republic	8	58	2	7	7
Tanzania, United Republic of	261	1,810	27	184	227
Thailand	12	16	0	0	4
Togo	400	2,053	27	190	317
Tunisia	3	17	1	2	3
Türkiye	661	1,536	3	10	395
Tuvalu	35	91	0	0	20
Ukraine	56	373	6	49	54
United Kingdom	11	28	0	0	5
United States	2	4	0	0	2
Vanuatu	354	1,398	18	101	272
Vietnam	21	144	2	12	19
<b>TOTAL</b>	<b>15,889</b>	<b>48,747</b>	<b>560</b>	<b>2,649</b>	<b>9,196</b>

## RO Inspection Deficiency and Detention Data 2021-2023

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF RO RELATED DETAINABLE DEFICIENCIES	NUMBER OF RO RELATED DETENTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
Aegean Register of Shipping	9	0	0	121	1	5	7
Alixity Limited Trading as Mark Robinson Maritime Consultants	1	0	0	0	0	0	0
American Bureau of Shipping	1,579	0	0	2,537	22	69	628
American Register of Shipping	53	0	0	105	2	4	21
ASIA Classification Society	1	0	0	0	0	0	0
Asia Shipping Certification Services	2	0	0	0	0	0	0
Bulgarian Register of Shipping	426	7	1	1,633	22	112	313
Bureau Veritas	3,028	3	2	7,344	81	297	1,456
China Classification Society	283	0	0	599	5	19	127
Classification Bureau of Indonesia	1	0	0	0	0	0	0
Columbus American Register	73	5	2	386	6	24	56
Cosmos Marine Bureau Inc.	17	0	0	114	1	10	15
CR Classification Society (CCRS)	5	0	0	14	0	0	4
Croatian Register of Shipping	66	0	0	184	3	9	37
Cyprus Bureau of Shipping	1	0	0	1	0	0	1
Danforth Marinesurvey and Certification Services	1	0	0	0	0	0	0
DNV AS (DNV)	1,651	0	0	3,926	45	140	789
DNV GL AS	1,375	0	0	2,472	31	67	520
Dromon Bureau of Shipping	886	6	2	3,865	37	179	705
Germanischer Lloyd	19	0	0	31	0	0	7
Guardian Bureau of Shipping (GBS)	21	0	0	169	2	10	19
Hellenic Register of Shipping	5	0	0	25	0	0	3
Horizon International of Naval Surveying and Inspection Bureau, S.A.	2	0	0	2	0	0	1
Indian Register of Shipping	353	0	0	1,198	16	50	235
Inspeccion y Clasificacion Maritima (INCLAMAR)	3	0	0	0	0	0	0
Inter maritime Certification Services (ICS Class)	75	1	1	337	4	19	58
International Maritime Register	10	0	0	50	0	0	8
International Naval Surveys Bureau	645	0	0	2,728	28	176	480
International Register of Shipping	446	17	3	1,918	25	183	334
International Ship Classification	30	0	0	82	2	8	18
International Yacht Bureau, Inc.	1	0	0	0	0	0	0
Intertek Maritime Bureau	10	0	0	30	0	0	8
Iranian Classification Society	11	0	0	65	0	0	11
Isthmus Bureau of Shipping, S.A.	301	0	0	1,272	15	49	224



RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF RO RELATED DETAINABLE DEFICIENCIES	NUMBER OF RO RELATED DETENTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
Isthmus Maritime Classification Society S.A.	3	0	0	3	0	0	1
Korea Classification Society	3	0	0	8	0	0	2
Korean Register	320	0	0	899	11	37	166
Lloyd's Register	2,177	0	0	4,630	45	118	996
Macosnar Corporation	75	0	0	464	6	37	57
Maritime Bureau of Shipping	46	1	1	423	4	39	41
Maritime Lloyd (ML)	124	3	1	892	10	56	113
Mediterranean Shipping Register (MSR)	165	9	3	659	9	73	126
National Shipping Adjuster Inc.	80	6	1	360	7	64	52
New United International Marine Services Ltd.	2	0	0	20	0	0	2
Nippon Kaiji Kyokai (NK/Class NK)	3,022	2	2	7,335	79	216	1,508
Overseas Marine Certification Services	209	10	2	985	15	87	156
Panama Bureau of Shipping	1	0	0	0	0	0	0
Panama Marine Survey and Certification Services Inc.	3	0	0	15	0	0	3
Panama Maritime Documentation Services	49	0	0	151	3	13	24
Panama Maritime Surveyor Bureau Inc.	4	0	0	13	0	0	3
Panama Shipping Registrar Inc.	34	0	0	89	0	0	19
Phoenix Register of Shipping	843	4	2	3,476	45	246	601
Polski Rejestr Statkow (Polish Register of Shipping)	171	0	0	565	10	54	99
Qualitas Register of Shipping S.A	146	0	0	621	4	7	109
R.J. Del Pan	1	0	0	16	1	7	1
Register of Shipping (Albania)	1	0	0	0	0	0	0
RINA Services S.p.A.	1,329	5	2	3,463	39	118	701
Rinave Portuguesa	2	0	0	12	0	0	2
Russian Classification Society RCS, ex. Russian River Register	1	0	0	3	0	0	1
Russian Maritime Register of Shipping	1,199	0	0	3,420	15	68	836
Shipping Register of Ukraine (SRU)	180	5	3	869	14	88	145
Turkish Lloyd	335	4	2	981	4	25	231
Union Bureau of Shipping	2	0	0	3	0	0	1
United Marine Survey	2	0	0	0	0	0	0
Universal Shipping Bureau Inc.	1	0	0	5	0	0	1
Vega Register Inc.	146	34	9	1,027	28	213	106
Veritas Register of Shipping	195	0	0	816	6	34	143
Vietnam Register	19	0	0	138	2	12	17
<b>Other</b>	<b>690</b>	<b>10</b>	<b>4</b>	<b>3,834</b>	<b>62</b>	<b>414</b>	<b>532</b>

**Note:** Number of inspections and detentions are calculated corresponding to each recognized organization (RO) that issued certificate(s) for a ship in case that ship's certificates were issued more than one ROs. The inspection and detention would be counted to each of them.

## Ship Type Inspection Deficiency and Detention Data 2021-2023

SHIP TYPE	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
Bulk Carrier	5,407	13,665	143	439	2,662
Chemical Tanker	378	568	6	24	131
Combination Carrier	20	116	3	12	18
Commercial Yacht	1	0	0	0	0
Container Ship	688	3,306	35	120	533
Gas Carrier	147	359	7	42	67
Gas Carrier/NLS Tanker (GASNLS)	1	0	0	0	0
General Cargo/Multipurpose	5,839	21,304	249	1,476	4,060
Heavy Load	4	9	0	0	2
Livestock Carrier	158	1,053	5	39	150
NLS Tanker	5	7	0	0	2
Offshore Supply	18	140	2	18	16
Oil Tanker	1,403	2,336	26	93	596
Oil Tanker/Chemical Tanker (OILCHEM)	1,352	2,578	32	100	592
Other Special Activities	35	75	0	0	16
Passenger Ship	8	9	0	0	2
Refrigerated Cargo	23	54	1	2	10
Ro-Ro Cargo	222	2,172	29	146	203
Ro-Ro Passenger Ship	82	636	15	89	73
Special Purpose Ship	7	13	0	0	2
Tug	66	292	7	49	51
Vehicle Carrier	25	55	0	0	10
<b>TOTAL</b>	<b>15,889</b>	<b>48,747</b>	<b>560</b>	<b>2,649</b>	<b>9,196</b>

## Ship Age Inspection Deficiency and Detention Data 2021-2023

SHIP AGE	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF INSPECTIONS WITH DEFICIENCIES
0-5	796	627	2	11	180
6-10	1,881	2,779	31	73	621
11-15	3,545	7,554	63	175	1,612
16-20	2,857	7,880	96	310	1,646
21-24	1,326	4,773	69	244	879
25-29	1,720	7,054	69	341	1,258
30-34	1,188	4,865	60	364	890
35+	2,576	13,215	170	1,131	2,110
<b>TOTAL</b>	<b>15,889</b>	<b>48,747</b>	<b>560</b>	<b>2,649</b>	<b>9,196</b>





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