BLACK SEA MEMORANDUM OF UNDERSTANDING

BS MOU

on Port State Control

PORT STATE CONTROL IN THE BLACK SEA REGION

ANNUAL REPORT 2015

BLACK SEA PORT STATE CONTROL SECRETARIAT
ISTANBUL / TURKEY

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FOREWORD

We are pleased to present the fifteenth 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 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.

At the 16th meeting of the Port State Control Committee in Batumi, Georgia, April 2015, the BS MOU decided to introduce a New Inspection Regime for selection of ships for inspection from 1st January 2016 to harmonize further its risk based targeting and inspection system with the leading memorandas, namely Paris MOU and Tokyo MOU, to the highest level.

This PSC Annual report covers the period between 1st January and 31st December 2015. During this period the BS MOU member Authorities conducted a total of 4,997 initial inspections, representing 1.9 per cent decrease as compared with 5,092 initial inspections in 2014. The regional inspection rate is 69.58% which is 0.2% increase as compared with 2014. A total of 218 detentions were warranted to ships found with serious deficiencies. This represents a detention percentage of 4.36% which is 44.4% increase as compared with 151 detentions in 2014.

During 2015 a total of 18,094 deficiencies were recorded. The average number of deficiencies per inspection was 3.62; resulting in a 0.02 deficiency point increase.

The most significant number of operational deficiencies found in 2015 was in the area of safety of navigation, life saving appliances followed by fire safety measures and working conditions making up 49.9 per cent of the total deficiencies found.

International Safety Management (ISM) related issues accounted for 7.36 per cent of all detainable deficiencies in the 2015 reporting period. This area remains a significant concern and BS MOU continues to scrutinize vessels coming into region for weaknesses in their Safety Management Systems.

In further promoting safety and environment protection, Concentrated Inspection Campaign(CIC)s are conducted in conjunction with the Paris and Tokyo Memorandas. Between 1st September 2015 and 30th November 2015, a CIC was carried out with respect to the Crew Familiarization for Enclosed Space Entry.

Through the launching new inspection regime the BS MOU will further increase the pressure on the substandard ships to encourage them to improve their performance or to force them to leave the region.

Captain Vaktang TAVBERIDZE
Chairman
BS MOU PSC Committee

Hüseyin YÜCE
Secretary
BS MOU Secretariat

10 Year Summary of Inspection, Detentions and Deficiency Rate

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Number of Inspections	4,658	4,499	5,161	4,805	4,929	4,657	4,607	5,080	5,092	4,997
Number of Detentions	259	367	329	278	286	249	215	184	151	218
Detention %	5.56	8.16	6.37	5.79	5.80	5.35	4.67	3.62	2.97	4.36

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Number of Deficiencies	22,841	24,778	25,118	22,885	21,464	19,255	17,916	19,022	18,350	18,094
Deficencies / Inspection	4.90	5.51	4.87	4.76	4.35	4.13	3.89	3.74	3.60	3.62
Deficiencies / Inspection with Deficiencies	7.07	7.61	7.17	7.12	6.73	6.10	5.97	5.75	6.01	6.40

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Number of Detainable Deficiencies	1,031	1,408	1,472	1,136	1,251	881	669	630	506	734
Detainable Deficiencies / Detention	3.98	3.84	4.47	4.09	4.37	3.54	3.11	3.42	3.35	3.37

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2015 Annual Report

Overview

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, Turkey on 7 April 2000 by representatives of the Maritime Authorities of Bulgaria, Georgia, Romania, the Russian Federation, Turkey 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, Turkey and Ukraine.

The Port State Control Committee established under the Memorandum monitors and controls 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), the International Labour Organization (ILO). The Committee granted observer status to the USCG, Paris MOU, MED MOU, West and Central Africa MOU, Riyadh MOU, the State Maritime Administration of the Republic of Azerbaijan and Commission on the Protection of the Black Sea Against Pollution.

To coordinate daily activity of the organization, on the kind proposal by the Maritime Administration of Turkey, 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 Russia Federation. The BSIS provides necessary tools to assist PSC Officers to conduct 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 industry with the MOU news, procedures and inspection results the Black Sea MOU launched the internet web-site at www.bsmou.org containing general information on MOU, regularly updated detention list. Taking into account of successful operation of the BSIS, it was decided to start open publication of PSC inspection results in 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 2015.

Port State Control Committee

The Sixteenth Meeting of the Black Sea Port State Control Committee was held in Batumi, Georgia from 21 to 23 April 2015. The meeting was chaired by Capt. Marian POPESCU - Head of the PSC Department of the Romanian Naval Authority.

The meeting was attended by the member Authorities: Bulgaria, Georgia, Romania, the Russian Federation and Turkey. Representatives of the Republic of Azerbaijan, the Paris MOU, and the United State Cost Guard participated in the meeting as observers. The Mediterranean MOU was represented by the delegation of Turkey.

The member Authority of Ukraine, and observers from the International Maritime Organization (IMO), the International Labour Organization (ILO), the Abuja MOU, Riyadh MOU and the Commission on the Protection of the Black Sea Against Pollution were not able to attend.

Member Authorities presented information about their national arrangements for port State control activities including important organizational changes and availability of dedicated PSC structures.

The Committee approved amendments to the Memorandum including introduction of a New Inspection Regime with the effective date 1st of January 2016. The Committee also approved incorporation of the ship risk profile matrix which includes new performance model for flag, RO and company, taking into account the leading MoUs practice and discussion at IMO on the small flag to achieve a technically simple and relaxed model.

The Committee further decided to issue a separate press release for providing the industry and the general public with more information and explanation on the new BS MOU Inspection Regime (BS-IR (2016).

The Committee approved revision of the Port State Control Manual, which includes replacement of Port State Control Procedure with Guidelines for the Rectification and Detention, adoption and incorporation of Action Taken Codes User Guide by incorporation of the the Paris MOU additional action taken codes.

In order to up-date the BS MOU Committee Guidelines which are harmonized with the Paris MOU Committee Instructions revisions made to the following BS MOU Guidelines for PSCOs:

- Guidelines for the responsibility assessment of RO,
- Guidelines for the Detention Review,
- Guidelines for PSCO on Electronic Chart Display and Information System (ECDIS),
- Guidelines on IMDG Code MARPOL Annex III,
- Guidelines on STCW manning and qualification,
- Guidelines Maritime Labour Convention 2006, and
- Guidelines on the control of Anti-Fouling Systems on ship.

The Committee considered follow-up inspection scheme in the light of new inspection scheme there will be three type of inspections: initial, detailed and expanded inspection and necessity to verify harmonization of the coding system with the Paris MOU and Tokyo MOU, agreed:

- to cancel follow-up inspection type;
- to allow outstanding deficiencies to be added to initial and / or more detailed and / or expanded inspection reports;
- arrange the list of all relevant outstanding deficiencies for adding to initial and / or more detailed and / or expanded inspection reports; and
- to consider outstanding deficiencies as relevant forever until rectification.

The Committee agreed strategic plan, strategic directions and action plan for the period of 2016-2020.

In the light of the BS MOU follow-up action plan on the implementation of the Tokyo and Paris Memorandas Ministerial Declaration, the BS MOU has been conducting Concentrated Inspection Campaigns jointly with the Paris MOU and Tokyo MOU. In this respect the Committee agreed to approve:

- Report on the result of the CIC on STCW Hours of Rest;
- the arrangements for the CIC on Crew Familiarization for Enclosed Space Entry to be carried out from 1st September to 30th November 2015 with the Paris and the Tokyo MOU; and
- to consider participation into the CIC on MLC 2006 jointly with the Paris MOU at the next Committee meeting.

In considering result of the CIC on STCW Hours of Rest the Committee agreed to incorporate breakdown of the first three major non-compliances by ship flag, ship type and ship age and publish report of the CICs on the MOU web-site.

The Committee unanimously elected Captain Zaza MAKHARADZE (Georgia) as Chairman and Mrs. Natalia KHARCENKO (Russian Federation) as Vice Chairman of the Committee.

The Committee agreed to conduct the BS MOU Port State Control Committee 17th meeting in Sochi, Russian Federation April 2016.

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 the further step for providing more transparent and timely information on the BS MOU PSC activities, the Committee gave its approvals to on-line publication of the ship risk profile, PSC inspection and detention data on the Memorandum web-site.

Concentrated Inspection Campaign

From 1st September 2015 to 30th November 2015, the BS MOU carried out a Concentrated Inspection Campaign (CIC) on Crew Familiarization for Enclosed Space Entry. This campaign involved all member States of the BS MOU and was conducted in conjunction with the Paris MOU and Tokyo MOU. The Paris MOU Guidelines and Questionnaire were utilized.

During the campaign, a total of 1,022 inspections were carried out with the CIC questionnaire involving 1,022 individual ships. 49 ships were detained and 40.81% of these detentions were CIC-topic related. This means that in 20 cases the Crew Familiarization for Enclosed Space Entry had deficiencies, which were serious enough to detain the ship resulting a CIC-topic related detention rate of 1.96 per cent.

Concentrated Inspection Campaign in 2016

The Committee agreed to consider participation into the CIC on MLC 2006 at the next Committee meeting which will be held Sochi, Russian Federation April 2016 and to request the Secretariat to report progress and developments on the CIC on MLC 2006.

Training

One PSCO from Turkey participated into the Paris MOU Seminar 59 in Hague, The Netherlands on 23-25 June 2015, One PSCO from Ukraine participated into the Expert Mission Training on Human Element for PSC officers, the Chennai, India, from 30 November to 4 December 2015. One PSCO from Turkey participated into the Viña Del Mar Agreement and Tokyo MOU Expert Training Course which was held in Callao, Peru, on 16-27 March 2015 and one PSCO from Turkey participated into the Tokyo MOU General Training Course for PSCO, Yokohama, Japan from 24 August to 18 September 2015.

PSCO Exchange Programme

Within the scope of regional and interregional PSCO Exchange Programmes two PSC officer exchanges were conducted in 2015, two PSCOs from Turkey visited Constanta Port (Romania), one PSCO from the Georgia visited Samsun Port (Turkey) and one PSCO from the Russian Federation visited İzmir Port (Turkey).

Interregional Cooperation

The BS MOU currently has 6 members, some with dual or even triple membership: Bulgaria, Romania and the Russian Federation with the Paris MOU, while the Russian Federation is also a member of the Tokyo MOU, with Turkey 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 MOUs) to submit papers and attend IMO meetings in its own rights. The BS MOU is represented at the IMO III sub-committee meetings and submitting its reports.

The BS MOU is accepted as an observer to several regional PSC agreements, that is, Paris MOU, Tokyo MOU, Mediterranean MoU, Vina Del Mar Agreement, and Indian Ocean MOU.

The BS MOU was represented by the Secretary at the Paris MOU PSCC48 meeting which was held in Noordwijkerhout, the Netherlands from 18 to 22 May 2015.

The BS MOU was represented by the Secretary in the 2nd session of the Implementation of IMO Instruments (III) Sub-Committee (13-17 July 2015) which was held in IMO Headquarter.

The BS MOU was represented by the Republic of Turkey at the PSCC17 meeting of the MED MOU which was held in Aqaba, Jordan from 27 to 29 October 2015.

The BS MOU was represented by the Secretary at the PSCC26 meeting of the Tokyo MOU which was held in Putrajaya, Malaysia from 5 to 8 October 2015.

The BS MOU represented by the Secretary at the 29th meeting of the Paris MOU Technical Evaluation Group, which were held in Riga, Latvia from 1-3 December 2015.

PSC Inspections 2015

Regional Inspection Data

During the 2015 calendar year 5,480 individual ship visited inspection ports in the Black Sea region in which 3,813 (69.58%) individual ships inspected and 197 (5.17%) individual ships detained. The number of individual ships inspected in 2015 (3,813) decreased 14.6 per cent compared with the number of individual ships inspected in 2014 (3,726) despite to 2.1 per cent increase of the individual ship visits in 2015 as compared with 5,368 individual ship visits in 2014.

4,997 inspections carried out onboard 3,183 individual ships registered by 78 flag Administration. The number of inspections in 2015 (4,997) decreased compared with 2014 (5,092).

The overall detention percentage in the region was 2.97% in 2014; in 2015 it increased up to 4.36% as a per cent of inspections, rather than the number of individual ships inspected to take into account that many ships are detained more than once during any one year. Regional detention rate (percentage of number of individual ships inspected) is 6.19% which is higher than 3.86% in 2014.

The number of ships detained in 2015 for deficiencies clearly hazardous to safety, health or environmental amounted to 218. It compares with the number of detained 151 in 2014, 184 in 2013. Number of inspections decreased 95 (1.9%), total number of detentions increased (44.4%) which resulted 1.4% increase in detention percentage in 2014 (2.97%). Table 1 displays summary of the 2015 inspection data and observed changes compared with the previous year.

Table 1- Summary of 2015 Inspection and Trends as Compared with the Previous Year

		2014	2015	Change Compare 2014
Ships Visits	Individual Ships	5,368	5,480	+112 (2.1%)
Inspections	Total PSC Inspections	5,092	4,997	-95 (1.9%)
	Inspection with Deficiencies	3,051	2,825	-226 (7.4%)
	Individual Ships	3,726	3,813	+87 (2.3%)
	Inspection Rate	69.41%	69.58%	0.2%
Detentions	Individual Ships	144	197	+53 (36.8%)
	Total Detentions	151	218	+67 (44.4%)
	% of Total Inspections	2.97%	4.36%	1.4%
	% Inspections with Deficiencies	59.92%	56.53%	-3.4%
Deficiencies	Total Deficiencies	18,350	18,094	-256 (1.4%)
	Detainable Deficiencies	506	734	+228 (45.1%)
	Deficiency Rate	3.60	3.62	+0.02 (0.5%)
	Detainable Deficiency / Detention	3.35	3.37	+0.2 (0.5%)
	RO Related Detainable Deficency	30	47	+17 (56.7%)

Inspection Data by Authority

The BS MOU member Authorities contributions into the regional inspection efforts displayed with Table 2. Member Authorities inspection rates (per cent of number of individual ships inspected) varied between 26.67% and 68.55%. Figure 1 displays inspection and detention rates for 2015 by member Authorities and in the region. Detention percentage of the member Authorities are varied from 0.48 to 8.82 per cent. Per cent of inspections with deficiencies varies from 36.00 per cent up to 70.27 per cent in the region. As a result of shipping activity the greatest number of PSC inspections were undertaken in the Ukraine and the Russian Federation ports in 2015.

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 FOLLOW-UP INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	NUMBER OF INDIVIDUAL SHIPS DETAINED	INSPECTION RATE (2)	DETENTION RATE (3)	DETENTION PERCENTAGE (4)	% OF INSPECTIONS WITH DEFICIENCIES	AVERAGE NO. OF DEFICIENCIES PER INSPECTION	% OF MOU TOTAL	DETENTIONS WITH RO RELATED DETAINABLE DEFICIENCIES
Bulgaria	1,335	356	367	222	9	1,150	8	8	26.67	2.25	2.18	60.49	3.13	7.34	1
Georgia	783	320	339	202	209	1,872	16	16	40.87	5.00	4.72	59.59	5.52	6.78	0
Romania	1,860	565	592	384	51	2,246	45	43	30.38	7.61	7.60	64.86	3.79	11.85	5
Russia (1)	2,035	1,395	1,638	1,151	925	8,711	106	96	68.55	6.88	6.47	70.27	5.32	32.78	0
Turkey (1)	1,055	341	397	267	191	1,674	35	34	32.32	9.97	8.82	67.25	4.22	7.94	7
Ukraine	2,680	1,553	1,664	599	378	2,441	8	8	57.95	0.52	0.48	36.00	1.47	33.30	0
Regional	**5,480**	**3,813**	**4,997**	**2,825**	**1,763**	**18,094**	**218**	**197**	**69.58**	**5.17**	**4.36**	**56.53**	**3.62**		**13**

(1) Data only Black Sea Ports, (2) Individual ships inspected as per cent of individual ships visited
(3) Individual ships detained as per cent of individual ships inspected, (4) Detentions as per cent of inspections.

Figure 1- Inspection and Detention Rates by Authority and Region

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

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

Inspection Data by Flag

Inspections in 2015 were carried out on ships registered under 78 flags. The flag State with largest number of ships inspected in the region was Panama with 664 (13.29%) followed by Malta with 625 (12.51%) and Turkey 420 (8.41%) which constitute 1,709 (34.2%) of total inspections. This is consistent with the 2014 inspections findings. 1,699 (33.37%) of inspections are carried out on board ships with flag of Malta, Panama and Turkey. Table 3 presents top 5 PSC inspections by flags in 2014 and 2015.

Table 3- Top 5 Inspections by Flag State 2015

FLAG	2014		2015		DIFFERENCE		2013-2015
	NUMBER	SHARE	NUMBER	SHARE	NUMBER	SHARE	SHARE
Panama	626	12.29%	664	13.29%	38	1.00%	12.41%
Malta	636	12.49%	625	12.51%	-11	0.02%	12.21%
Turkey	437	8.58%	420	8.41%	-17	-0.17%	8.93%
Liberia	376	7.38%	411	8.22%	35	0.84%	7.63%
Marshall Islands	300	5.89%	369	7.38%	69	1.49%	6.34%

In 2015, ships registered under 37 foreign flags were observed to have deficiencies sufficiently serious to impair the seaworthiness and warrant detention. High detention percentage observed Palau (19.15%), Tanzania (16.22%) followed by Tuvalu (15.38%), Togo (13.43%) and Moldova (12.77%), flagged vessels. Table 4 illustrates inspections data by flags exceeding average detention percentage (with inspections more than 20).

Figure 3 presents ratio of the share of inspections to the share of detentions and deficiencies which indicates relative level of the detention and deficiencies. Liberia, followed by Marshall Islands and Malta performing well concerning detentions. Marshall Islands followed by Singapore and Cyprus performing well concerning deficiencies.

Table 4- 2015 Detentions Per Flag, Exceeding Average Detention Percentage (Number of Inspections>20, with a Detention Percentage Exceeding 4.36%)

FLAG	NUMBER OF INSPECTIONS	NO. OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	% OF INSPECTIONS WITH DEFICIENCIES	DETENTION % 2015	EXCESS OF AVERAGE 2015	DETENTION % 2014	EXCESS OF AVERAGE 2014
Cambodia	130	117	954	13	90.0	10.00	5.64	8.48	5.51
Comoros	43	38	278	3	88.4	6.98	2.61	8.00	5.03
Moldova, Republic of	141	135	1,124	18	95.7	12.77	8.40	10.06	7.09
Palau	47	47	408	9	100.0	19.15	14.79	6.25	3.28
Russian Federation	257	165	1,039	22	64.2	8.56	4.20	2.50	-0.47
Saint Kitts and Nevis	50	39	253	4	78.0	8.00	3.64	4.55	1.58
Saint Vincent and the Grenadines	62	45	349	6	72.6	9.68	5.31	5.41	2.44
Sierra Leone	74	68	522	6	91.9	8.11	3.75	1.37	-1.60
Tanzania, United Republic of	74	73	731	12	98.6	16.22	11.85	9.76	6.79
Togo	67	65	583	9	97.0	13.43	9.07	7.69	4.72
Turkey	420	263	1,720	32	62.6	7.62	3.26	3.20	0.23
Ukraine	37	32	271	7	86.5	18.92	14.56	7.55	4.58

Figure 3- Ratio of the Share of Inspections to the Share of Detentions and Deficiencies by the Flags (Inspections>30 Detentions>2)

Inspection Data by Recognized Organization

The majority of ships inspected are in class with the Nippon Kaiji Kyokai 1,016 (13.8%), Bureau Veritas 944 (12.8%) followed by Lloyd's Register 824 (11.17%), Russian Maritime Register of Shipping 675 (15.6%), and DNV GL AS 598 (12.0%).

Figure 4 presents ratio of the share of inspections to the share of RO related detentions and share of RO related detainable deficiencies. International Maritime Register followed by Mediterranean Shipping Register (MSR), Macosnar Corporation and International Register of Shipping have high share of RO related detentions and high share of RO related detainable deficiencies compare to the share of inspections with RO related detentions and deficiencies.

Figure 4- 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, largest group of the ship inspected during 2015 were general cargo/multi purpose ships with 2,129 (41.8%) inspections; bulk carrier 1,532 (31.0%) and oil tanker 558 (11.0%) were also inspected which represent 82.9 per cent of inspections. 2015 top 5 inspection by ship type presented below.

	2014		2015		DIFFERENCE		2013-2015
SHIP TYPES	NUMBER	SHARE	NUMBER	SHARE	NUMBER	SHARE	SHARE
General Cargo/Multi-purpose Ship	2,129	41.81%	1,834	36.70%	-295	-5.11%	40.69%
Bulk Carrier	1,532	30.09%	1,709	34.20%	177	4.11%	19.29%
Oil Tanker	558	10.96%	571	11.43%	13	0.47%	11.08%
Chemical Tanker	296	5.81%	366	7.32%	70	1.51%	6.38%
Container	162	3.18%	152	3.04%	-10	-0.14%	3.24%

Majority of detained ships were type of general cargo/multi purpose ships with 119 (54.6%) detentions and bulk carriers with 51 (23.5%) detentions and followed by Ro-Ro cargo ships with 12 (5.5%) detentions which were accounted for 83.5% of the total detentions. Higher per cent of detentions were with Ro-Ro passenger ship (9.71%) Ro-Ro passenger ships (25.6%), Livestock carrier 17.8%, followed by Ro-Ro cargo ships 15.6% and general cargo/multi-purpose ships (6.5%) (number of inspections more than 10).

Figure 5 shows how the ship types inspected performed with regards to detentions and deficiencies. Higher share of detentions and deficiencies compared with share of inspections indicated that type of ship underperforming with respect to detentions and deficiencies.

Figure 5- Share of Inspections to the Share of Detentions and Share of Deficiencies for Ship Types with Detentions

Inspection Data by Deficiency

A total of 18,094 deficiencies were recorded during the port State control inspections in 2015. Majority of the deficiencies found upon inspection in 2015 were related to safety of navigation (17.5%), life saving appliances (14.4%), fire safety measures (10.0%) and living and working conditions-working conditions (8.0%). These four categories make up 49.9% of the total deficiencies found. 2015 Top 5 category of deficiencies presented below.

	2014		2015		DIFFERENCE		2013-2015
CATEGORY OF DEFICIENCIES	NUMBER	SHARE	NUMBER	SHARE	NUMBER	SHARE	SHARE
Safety of Navigation	3,317	18.1%	3,161	17.5%	-156	-0.6%	17.8%
Life Saving Appliances	2,509	13.7%	2,604	14.4%	95	0.7%	14.0%
Fire Safety	1,568	8.5%	1,811	10.0%	243	1.5%	9.2%
Working Conditions	1,559	8.5%	1,445	8.0%	-114	-0.5%	9.4%
Structural Conditions	634	3.5%	1,161	6.4%	527	3.0%	4.5%

Number of ISM related deficiencies were 584 which accounted for 3.23 per cent of the deficiencies, 251 marine pollution MARPOL Annex I related deficiencies observed accounting 1.39 per cent of the total deficiencies.

A total 734 detainable deficiencies and 47 RO related detainable deficiencies were recorded during the port State control inspections. 4.06 per cent of deficiencies in 2015 were detainable deficiencies, 6.40 per cent of detainable deficiencies in 2014 were RO related.

Majority of the detainable deficiencies found upon inspections in 2015 were related to lifesaving appliances (15.4%), emergency systems (14.9%), safety of navigation (14.3%), fire safety measures (12.5%), followed by structural conditions (7.9%) and ISM (7.5%). These six categories make up 72.4% of the total detainable deficiencies found. 2015 top 6 category of detainable deficiencies presented below.

	2014		2015		DIFFERENCE		2013-2015
DETAINABLE DEFICIENCIES	NUMBER	SHARE	NUMBER	SHARE	NUMBER	SHARE	SHARE
Life Saving Appliances	78	15.4%	113	15.4%	35	0.0%	15.3%
Emergency Systems	46	9.1%	109	14.9%	63	5.8%	13.4%
Safety of Navigation	72	14.2%	105	14.3%	33	0.1%	11.9%
Fire Safety	52	10.3%	92	12.5%	40	2.3%	11.6%
Structural Conditions	38	7.5%	58	7.9%	20	0.4%	7.3%
ISM	44	8.7%	54	7.4%	10	-1.3%	6.8%

Majority of the RO related detainable deficiencies found upon inspection in 2015 were related to structural conditions (27.7%), ship certificates (17.0%), followed by life saving appliance (12.8%), MARPOL Annex I (10.6%), and ISM (8.5%). These five categories make up 76.6% of the total RO related detainable deficiencies found.

2015 Maritime Labour Convention Results

MLC, 2006 compliance is verified during 2,005 PSC inspections carried out in 2015 by Bulgaria and the Russian Federation and the results are presented Table 5. This table identifies the number of MLC 2006-related deficiencies, detainable deficiencies and detentions by ship type and ship age.

PSCOs from Bulgaria and the Russian Federation identified 1,373 deficiencies related to MLC 2006 issues. This represented 12.9 per cent of the total deficiencies issued and equated to 0.6 per inspection.

Of the 305 detainable deficiencies 34 were related to MLC detainable deficiencies. This represented 11.1 per cent of the total detainable deficiencies. Of the 114 detentions 27 (23.7%) were due to the MLC, 2006 related detainable deficiencies which resulted 1.37 detention percentage.

Table 5- 2015 MLC Results by Ship Type and Ship Age

SHIP TYPE	Number of Inspections	Total Deficiencies	MLC Deficiencies	Total Detainable Deficiencies	MLC Detainable Deficiencies	Total Detentions	MLC Detentions
Bulk Carrier	622	3448	481	79	6	40	6
Chemical Tanker	179	412	33	2	0	1	0
Container	80	370	66	2	0	2	0
General Cargo / Multi-purpose	542	3,938	535	151	14	50	11
Oil Tanker	425	665	54	10	1	2	1
Refrigerated Cargo	1	7	2	7	2	1	1
Ro-Ro Cargo	52	579	53	27	4	10	2
Ro-Ro Passenger Ship	29	230	23	27	7	8	6
Other Types	75	212	26	0	0	0	0
Totals	**2,005**	**9,861**	**1,273**	**305**	**34**	**114**	**27**

SHIP AGE	Number of Inspections	Total Deficiencies	MLC Deficiencies	Total Detainable Deficiencies	MLC Detainable Deficiencies	Total Detentions	MLC Detentions
0 - 5	327	927	113	11	0	7	0
6 - 10	473	1,543	195	21	2	11	2
11 - 15	369	1,356	139	40	5	17	4
16 - 20	277	1,629	211	34	5	15	4
21 - 24	126	789	112	20	0	12	0
25 - 29	99	706	89	16	0	8	0
30 - 34	177	1,450	219	76	10	18	8
35 +	157	1,461	195	87	12	26	9
Totals	**2,005**	**9,861**	**1,273**	**305**	**34**	**114**	**27**

Port State Inspection Data for 2015

Table 6- Inspection Data by Flag

FLAG	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF INSPECTIONS WITH DETENTIONS	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTIONS WITH DEFICIENCIES
Algeria	1	1	2	0	1	0.00	100.00
Antigua and Barbuda	96	54	258	1	85	1.04	56.25
Azerbaijan	3	1	13	0	2	0.00	33.33
Bahamas	118	54	347	4	102	3.39	45.76
Bangladesh	3	2	20	0	3	0.00	66.67
Barbados	7	4	16	0	7	0.00	57.14
Belgium	6	3	12	0	6	0.00	50.00
Belize	122	99	657	4	78	3.28	81.15
Bolivia	3	3	29	0	3	0.00	100.00
Bulgaria	18	14	115	3	9	16.67	77.78
Cambodia	130	117	954	13	76	10.00	90.00
Cayman Islands (GB)	13	8	55	0	11	0.00	61.54
China	24	7	46	1	23	4.17	29.17
Comoros	43	38	278	3	31	6.98	88.37
Cook Islands	103	79	358	2	69	1.94	76.70
Croatia	7	1	14	0	7	0.00	14.29
Curacao	5	5	45	0	5	0.00	100.00
Cyprus	69	29	151	3	62	4.35	42.03
Denmark	26	15	76	0	24	0.00	57.69
Egypt	16	14	108	1	9	6.25	87.50
Ethiopia	2	2	13	0	2	0.00	100.00
Finland	1	0	0	0	1	0.00	0.00
Georgia	2	2	6	0	2	0.00	100.00
Germany	1	1	13	0	1	0.00	100.00
Gibraltar (GB)	19	9	22	0	18	0.00	47.37
Greece	143	42	246	2	120	1.40	29.37
Honduras	1	1	27	1	1	100.00	100.00
Hong Kong, China	180	47	266	2	169	1.11	26.11
India	5	3	11	0	5	0.00	60.00
Iran, Islamic Republic of	4	3	19	0	4	0.00	75.00
Isle of Man (GB)	26	9	49	1	25	3.85	34.62
Israel	1	0	0	0	1	0.00	0.00
Italy	86	35	166	1	68	1.16	40.70
Japan	2	0	0	0	2	0.00	0.00
Korea, Republic of	8	2	16	0	7	0.00	25.00
Kuwait	2	1	2	0	2	0.00	50.00
Lebanon	13	11	100	2	8	15.38	84.62
Liberia	411	174	992	4	345	0.97	42.34

Table 6- Inspection Data by Flag (Continue)

FLAG	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF INSPECTIONS WITH DETENTIONS	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTIONS WITH DEFICIENCIES
Libyan Arab Jamahiriya	9	1	10	0	6	0.00	11.11
Lithuania	5	2	7	0	4	0.00	40.00
Luxembourg	2	0	0	0	2	0.00	0.00
Malaysia	1	0	0	0	1	0.00	0.00
Malta	625	282	1,368	7	484	1.12	45.12
Marshall Islands	369	143	660	4	325	1.08	38.75
Moldova, Republic of	141	135	1,124	18	88	12.77	95.74
Mongolia	8	6	61	3	4	37.50	75.00
Montenegro	2	0	0	0	1	0.00	0.00
Netherlands	65	27	150	0	58	0.00	41.54
Norway	38	13	72	1	32	2.63	34.21
Pakistan	2	1	2	0	1	0.00	50.00
Palau	47	47	408	9	22	19.15	100.00
Panama	664	392	2,470	22	510	3.31	59.04
Philippines	12	8	38	0	11	0.00	66.67
Portugal	9	6	39	0	8	0.00	66.67
Qatar	1	0	0	0	1	0.00	0.00
Romania	1	1	1	0	1	0.00	100.00
Russian Federation	257	165	1,039	22	201	8.56	64.20
Saint Kitts and Nevis	50	39	253	4	35	8.00	78.00
Saint Vincent and the Grenadines	62	45	349	6	40	9.68	72.58
Samoa	1	1	23	0	1	0.00	100.00
Sierra Leone	74	68	522	6	44	8.11	91.89
Singapore	131	55	276	3	119	2.29	41.98
Spain	1	0	0	0	1	0.00	0.00
Sri Lanka	1	1	7	0	1	0.00	100.00
Switzerland	11	6	42	1	9	9.09	54.55
Syrian Arab Republic	2	0	0	0	2	0.00	0.00
Tanzania, United Republic of	74	73	731	12	40	16.22	98.65
Thailand	10	6	25	0	9	0.00	60.00
Togo	67	65	583	9	42	13.43	97.01
Tunisia	3	2	14	0	2	0.00	66.67
Turkey	420	263	1,720	32	267	7.62	62.62
Tuvalu	13	10	82	2	11	15.38	76.92
Ukraine	37	32	271	7	30	18.92	86.49
United Kingdom	24	13	73	0	23	0.00	54.17
United States	3	0	0	0	3	0.00	0.00
Vanuatu	33	25	138	1	25	3.03	75.76
Vietnam	2	2	34	1	2	50.00	100.00
TOTAL	**4,997**	**2,825**	**18,094**	**218**	**3,813**	**4.36**	**56.53**

Table 7- Inspection Data by Recognized Organizations (Number of Inspections>10)

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF RO RELATED DEFICIENCIES	NUMBER OF DETENTIONS	DETENTIONS WITH RO RELATED DETAINABLE DEFICENCIES
American Bureau of Shipping	524	190	957	0	8	0
Bulgarian Register of Shipping	81	69	522	1	7	1
Bureau Veritas	944	447	2,590	0	29	0
China Classification Society	101	24	129	0	2	0
Columbus American Register	11	11	128	0	2	0
Det Norske Veritas	499	167	768	0	3	0
DNV GL AS	598	246	1,204	0	7	0
Dromon Bureau of Shipping	121	113	809	5	8	2
Germanischer Lloyd	429	209	1,091	0	10	0
Global Marine Bureau Inc.	35	34	286	0	4	0
Intermaritime Certification Services, ICS Class	30	22	239	0	6	0
International Naval Surveys Bureau	109	99	775	0	11	0
International Register of Shipping	100	91	733	17	14	2
Isthmus Bureau of Shipping, S.A.	30	28	180	0	1	0
Korean Register of Shipping	88	45	277	0	7	0
Lloyd's Register	824	328	1,837	0	14	0
Macosnar Corporation	47	40	326	4	4	1
Maritime Bureau of Shipping	11	11	101	0	2	0
Maritime Lloyd Ltd, Georgia	71	70	648	3	13	1
Mediterranean Shipping Register (MSR)	12	10	92	4	3	1
National Shipping Adjuster Inc.	44	37	279	0	1	0
Nippon Kaiji Kyokai	1,016	527	3,031	0	28	0
Other	164	127	1,055	1	19	1
Overseas Marine Certification Services	20	16	153	0	2	0
Panama Marine Survey and Certification Services Inc.	18	16	103	0	0	0
Panama Register Corporation	19	11	58	0	2	0
Panama Shipping Registrar Inc.	11	11	50	0	0	0
Phoenix Register of Shipping	65	56	351	4	2	1
Polski Rejestr Statkow (Polish Register of Shipping)	34	30	238	0	2	0
Registro Italiano Navale	241	108	547	0	6	0
Russian Maritime Register of Shipping	675	422	2,541	5	28	2
Shipping Register of Ukraine	158	140	1,034	3	14	1
Turkish Lloyd	204	147	958	0	21	0
Venezuelan Register of Shipping	43	42	483	0	8	0

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 8- Inspection Data by Ship Type

TYPE OF SHIP	NUMBER OF INSPECTIONS	INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF INSPECTIONS WITH DETENTIONS	NUMBER OF INDIVIDUAL SHIPS INSPECTED	DETENTION PERCENTAGE	% OF INSPECTIONS WITH DEFICIENCIES
Bulk Carrier	1,709	779	4,830	51	1,426	2.98	45.58
Chemical Tanker	366	139	610	2	303	0.55	37.98
Combination Carrier	9	6	73	2	9	22.22	66.67
Container	152	91	507	2	131	1.32	59.87
Gas Carrier	94	51	187	2	66	2.13	54.26
General Cargo / Multi-purpose	1,834	1,355	9,363	119	1,231	6.49	73.88
Heavy Load	4	2	2	0	4	0.00	50.00
High Speed Passenger Craft	1	1	4	0	1	0.00	100.00
Livestock Carrier	45	45	469	8	33	17.78	100.00
MODU and FPSO	1	0	0	0	1	0.00	0.00
NLS Tanker	1	0	0	0	1	0.00	0.00
Offshore Supply	19	8	37	1	17	5.26	42.11
Oil Tanker	571	209	881	6	475	1.05	36.60
Other Special Activities	28	12	66	1	25	3.57	42.86
Passenger Ship	10	2	9	0	10	0.00	20.00
Refrigerated Cargo	8	6	28	1	8	12.50	75.00
Ro-Ro Cargo	77	66	666	12	41	15.58	85.71
Ro-Ro Passenger Ship	39	36	295	10	16	25.64	92.31
Special Purpose Ship	3	2	8	0	3	0.00	66.67
Tugboat	22	13	52	1	20	4.55	59.09
Vehicle Carrier	4	2	7	0	4	0.00	50.00
ALL TYPES	**4,997**	**2,825**	**18,094**	**218**	**3,813**	**4.36**	**56.53**

Table 9- Inspection Data by Category and 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	240	16	0	1.33	2.18	0.00
	Documents	1,157	14	2	6.39	1.91	4.26
	Ship Certificates	727	46	8	4.02	6.27	17.02
SOLAS	Structural Conditions	1,161	58	13	6.42	7.90	27.66
	Emerceny Systems	933	109	1	5.16	14.85	2.13
	Alarm Signals	0	0	0	0.00	0.00	0.00
	Radio Communications	868	30	1	4.80	4.09	2.13
	Cargo Operations Including Equipment	65	2	0	0.36	0.27	0.00
	Fire Safety	1,811	92	3	10.01	12.53	6.38
	Alarms	43	4	0	0.24	0.54	0.00
	Safety of Navigation	3,161	105	2	17.47	14.31	4.26
	Dangerous Goods	60	1	0	0.33	0.14	0.00
	Life-saving Appliances	2,604	113	6	14.39	15.40	12.77
	Propulsion and Auxiliary Machinery	984	20	2	5.44	2.72	4.26
Pollution Prevention	Anti Fouling	0	0	0	0.00	0.00	0.00
	MARPOL Annex I	251	15	5	1.39	2.04	10.64
	Annex II	3	0	0	0.02	0.00	0.00
	Annex III	6	0	0	0.03	0.00	0.00
	Annex IV	73	0	0	0.40	0.00	0.00
	Annex V	200	3	0	1.11	0.41	0.00
	Annex VI	18	0	0	0.10	0.00	0.00
	Operational Deficiencies	0	0	0	0.00	0.00	0.00
ILO/MLC	Living Conditions	395	5	0	2.18	0.68	0.00
	Working Conditions	1,445	18	0	7.99	2.45	0.00
	Minimum Requirements for Seafarers	4	0	0	0.02	0.00	0.00
	Conditions of Employment	26	9	0	0.14	1.23	0.00
	Accommodation, Recreational	102	4	0	0.56	0.54	0.00
	Health Protection, Medical Care, Social Security	1,062	14	0	5.87	1.91	0.00
ISM		584	54	4	3.23	7.36	8.51
Other		111	2	0	0.61	0.27	0.00
TOTAL		**18,094**	**734**	**47**			

Statistical Data 2013-2015

Summary

	2013	2014	2015
Number of Inspections	5,080	5,092	4,997
Number of Inspections with Deficiencies	3,306	3,051	2,825
Number of Deficiencies Observed	19,022	18,350	18,094
Number of Detentions	184	151	218
% of Inspections with Deficiencies	65.1	59.9	56.53
Detention Percentage	3.62	2.97	4.36
Average Number of Deficiencies per Inspection	3.74	3.60	3.62

Inspection Data by Authority 2013-2015

MARITIME AUTHORITY	NO. OF INDIVIDUAL SHIP VISIT			NO. OF INDIVIDUAL SHIP INSPECTED			NUMBER OF INSPECTIONS			NO. OF INSPECTIONS WITH DEFICIENCIES			NUMBER OF DETENTIONS		
	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015
BULGARIA	1,501	1,461	1,335	505	464	356	536	494	367	366	333	222	20	17	8
GEORGIA	816	826	783	326	353	320	337	369	339	204	208	202	11	11	16
ROMANIA	1,912	1,987	1,860	691	729	565	748	775	592	444	464	384	18	24	45
RUSSIAN FEDERATION (1)	1,970	2,155	2,035	1,172	1,281	1,395	1,358	1,456	1,638	978	1,008	1,151	80	74	106
TURKEY (1)	1,007	1,027	1,055	346	394	341	414	462	397	301	274	267	40	15	35
UKRAINE	2,743	2,423	2,680	1,499	1,371	1,553	1,687	1,536	1,664	1,013	764	599	15	10	8

MARITIME AUTHORITY	% OF INSPECTIONS WITH DEFICIENCIES			DETENTION PERCENTAGE			DETENTION RATE (2)			INSPECTION RATE (3)		
	2013	2014	2015	2013	2014	2015	2013	2014	2015	2013	2014	2015
BULGARIA	68.28	67.41	60.49	3.73	3.44	2.18	3.96	3.66	2.25	33.64	31.76	26.67
GEORGIA	60.53	56.37	59.59	3.26	2.98	4.72	3.37	3.12	5.00	39.95	42.74	40.87
ROMANIA	59.36	59.87	64.86	3.41	3.10	7.60	2.32	3.29	7.61	36.14	36.69	30.38
RUSSIAN FEDERATION (1)	72.02	69.23	70.27	5.89	5.08	6.47	6.66	5.78	6.88	59.49	59.44	68.55
TURKEY (1)	72.71	59.31	67.25	9.66	3.25	8.82	10.69	3.81	9.97	34.36	38.36	32.32
UKRAINE	60.05	49.74	36.00	0.89	0.65	0.48	1.00	0.73	0.52	54.65	56.58	57.95

(1) Data only for the Black Sea Ports
(2) Individual ships detained as per cent of individual ships inspected
(3) Individual ships inspected as per cent of number of individual ships visited

Inspection by Ship Types (in the order of 2015 top 10 inspections)

SHIP TYPE	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
General cargo/multi-purpose ship	2,209	43.5%	2,129	41.9%	1,834	36.0%	**40.7%**
Bulk Carrier	1,394	27.4%	1,532	30.2%	1,709	33.6%	**30.6%**
Oil Tanker	552	10.9%	558	11.0%	571	11.2%	**11.1%**
Chemical Tanker	306	6.0%	296	5.8%	366	7.2%	**6.4%**
Gas Carrier	66	1.3%	63	1.2%	94	1.8%	**1.5%**
Ro-Ro Cargo	80	1.6%	103	2.0%	77	1.5%	**1.7%**
Livestock Carrier	28	0.6%	36	0.7%	45	0.9%	**0.7%**
Ro-Ro Passenger Ship	28	0.6%	31	0.6%	39	0.8%	**0.6%**
Other Special Activities	66	1.3%	50	1.0%	28	0.5%	**0.9%**
Other Types of Ship	174	3.4%	132	2.6%	82	1.6%	**2.6%**
Totals	**5,080**		**5,092**		**4,997**		

Inspection by Ship Flag (in the order of 2015 top 10 inspections)

FLAG	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
Panama	593	11.7%	626	12.3%	664	13.3%	**12.4%**
Malta	591	11.6%	636	12.5%	625	12.5%	**12.2%**
Turkey	497	9.8%	437	8.6%	420	8.4%	**8.9%**
Liberia	370	7.3%	376	7.4%	411	8.2%	**7.6%**
Marshall Islands	293	5.8%	300	5.9%	369	7.4%	**6.3%**
Russian Federation	349	6.9%	320	6.3%	257	5.1%	**6.1%**
Hong Kong, China	129	2.5%	175	3.4%	180	3.6%	**3.2%**
Greece	128	2.5%	125	2.5%	143	2.9%	**2.6%**
Moldova, Republic of	204	4.0%	179	3.5%	141	2.8%	**3.5%**
Singapore	82	1.6%	121	2.4%	131	2.6%	**2.2%**
Others	1,844	36.3%	1,797	35.3%	1,656	33.1%	**34.9%**
Totals	**5,080**		**5,092**		**4,997**		

Detentions by Ship Types (in the order of 2015 top 10 inspections)

SHIP TYPE	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
General Cargo/Multi-purpose Ship	123	66.8%	94	62.3%	119	54.6%	**60.8%**
Bulk Carrier	27	14.7%	28	18.5%	51	23.4%	**19.2%**
Oil Tanker	6	3.3%	5	3.3%	6	2.8%	**3.1%**
Chemical Tanker	6	3.3%	3	2.0%	2	0.9%	**2.0%**
Container	1	0.5%	2	1.3%	2	0.9%	**0.9%**
Gas Carrier	10	5.4%	1	0.7%	2	0.9%	**2.4%**
Ro-Ro Cargo	3	1.6%	10	6.6%	12	5.5%	**4.5%**
Livestock Carrier	4	2.2%	1	0.7%	8	3.7%	**2.4%**
Ro-Ro Passenger Ship	2	1.1%	3	2.0%	10	4.6%	**2.7%**
Other Special Activities	1	0.5%	3	2.0%	1	0.5%	**0.9%**
Other Types of Ship	1	0.5%	1	0.7%	5	2.3%	**1.3%**
Totals	**184**		**151**		**218**		

Detentions by Ship Flag (more than 1 detentions in 2015)

FLAG	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
Bahamas	4	2.2%	1	0.7%	4	1.8%	**1.6%**
Belize	6	3.3%	6	4.0%	4	1.8%	**2.9%**
Bulgaria	0	0.0%	0	0.0%	3	1.4%	**0.5%**
Cambodia	11	6.1%	14	9.3%	13	6.0%	**6.9%**
Comoros	8	4.4%	6	4.0%	3	1.4%	**3.1%**
Cook Islands	8	4.4%	5	3.3%	2	0.9%	**2.7%**
Cyprus	0	0.0%	0	0.0%	3	1.4%	**0.5%**
Greece	0	0.0%	0	0.0%	2	0.9%	**0.4%**
Hong Kong, China	0	0.0%	1	0.7%	2	0.9%	**0.5%**
Lebanon	0	0.0%	0	0.0%	2	0.9%	**0.4%**
Liberia	6	3.3%	5	3.3%	4	1.8%	**2.7%**
Malta	6	3.3%	10	6.6%	7	3.2%	**4.2%**
Marshall Islands	7	3.9%	4	2.6%	4	1.8%	**2.7%**
Moldova, Republic of	23	12.7%	18	11.9%	18	8.3%	**10.7%**
Mongolia	0	0.0%	0	0.0%	3	1.4%	**0.5%**
Palau	0	0.0%	1	0.7%	9	4.1%	**1.8%**
Panama	22	12.2%	22	14.6%	22	10.1%	**12.0%**
Russian Federation	8	4.4%	8	5.3%	22	10.1%	**6.9%**
Saint Kitts and Nevis	3	1.7%	3	2.0%	4	1.8%	**1.8%**
Saint Vincent and the Grenadines	6	3.3%	4	2.6%	6	2.8%	**2.9%**
Sierra Leone	9	5.0%	1	0.7%	6	2.8%	**2.9%**
Singapore	0	0.0%	0	0.0%	3	1.4%	**0.5%**
Tanzania	13	7.2%	8	5.3%	12	5.5%	**6.0%**
Togo	12	6.6%	8	5.3%	9	4.1%	**5.3%**
Turkey	14	7.7%	14	9.3%	32	14.7%	**10.9%**
Tuvalu	0	0.0%	0	0.0%	2	0.9%	**0.4%**
Ukraine	4	2.2%	4	2.6%	7	3.2%	**2.7%**
Other	11	6.1%	8	5.3%	10	4.6%	**5.3%**
Totals	**181**		**151**		**218**		

Major Category of Deficiencies 2013-2015

CATEGORY OF DEFICIENCIES		2013		2014		2015	
		Number	%	Number	%	Number	%
Certificates and Documents	Crew Certificates	269	1.40	347	1.89	240	1.33
	Documents	1,252	6.53	1,395	7.60	1,157	6.39
	Ship Certificates	987	5.15	898	4.89	727	4.02
SOLAS	Structural Conditions	687	3.58	1,366	7.44	1,161	6.42
	Emerceny Systems	824	4.30	745	4.06	933	5.16
	Alarm Signals	73	0.38	0	0.00	0	0.00
	Radio Communications	1,037	5.41	938	5.11	868	4.80
	Cargo Operations Including Equipment	58	0.30	51	0.28	65	0.36
	Fire Safety	1,744	9.10	1,568	8.54	1,811	10.01
	Alarms	73	0.38	46	0.25	43	0.24
	Safety of Navigation	3,401	17.74	3,317	18.08	3,161	17.47
	Dangerous Goods	46	0.24	36	0.20	60	0.33
	Life-saving Appliances	2,628	13.71	2,509	13.67	2,604	14.39
	Propulsion and Auxiliary Machinery	844	4.40	765	4.17	984	5.44
Pollution Prevention	Anti Fouling	5	0.03	4	0.02	0	0.00
	MARPOL Annex I	256	1.34	285	1.55	251	1.39
	Annex II	12	0.06	11	0.06	3	0.02
	Annex III	5	0.03	3	0.02	6	0.03
	Annex IV	69	0.36	69	0.38	73	0.40
	Annex V	308	1.61	214	1.17	200	1.11
	Annex VI	77	0.40	24	0.13	18	0.10
	Operational Deficiencies	58	0.30	0	0.00	0	0.00
ILO/MLC	Living Conditions	435	2.27	326	1.78	395	2.18
	Working Conditions	2,208	11.52	1,559	8.50	1,445	7.99
	Minimum Requirements for Seafarers	3	0.02	7	0.04	4	0.02
	Conditions of Employment	13	0.07	37	0.20	26	0.14
	Accommodation, Recreational	44	0.23	88	0.48	102	0.56
	Health Protection, Medical Care, Social Security	394	2.06	1,088	5.93	1,062	5.87
ISM		488	2.55	523	2,85	584	3.23
Other		870	4.54	131	0.71	111	0.61
TOTAL		**19,168**		**18,350**		**18,094**	

Major Deficiencies by Category (in the order 2015 top 10)

DEFICIENCIES BY CATEGORY	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
Safety of Navigation	3,401	17.9%	3,317	18.1%	3,161	17.5%	**17.8%**
Life Saving Appliances	2,628	13.8%	2,509	13.7%	2,604	14.4%	**14.0%**
Fire Safety	1,744	9.2%	1,568	8.5%	1,811	10.0%	**9.2%**
Working Conditions	2,208	11.6%	1,559	8.5%	1,445	8.0%	**9.4%**
Structural Conditions	687	3.6%	634	3.5%	1,161	6.4%	**4.5%**
Documents	1,252	6.6%	1,395	7.6%	1,157	6.4%	**6.9%**
Health Protection, Medical Care, Social Security	394	2.1%	1,088	5.9%	1,062	5.9%	**4.6%**
Propulsion and Auxiliary Machinery	844	4.4%	765	4.2%	984	5.4%	**4.7%**
Emergency Systems	824	4.3%	745	4.1%	933	5.2%	**4.5%**
Radio Communications	1,037	5.5%	938	5.1%	868	4.8%	**5.1%**
Other	4,003	21.0%	3,832	20.9%	2,908	16.1%	**19.4%**
Totals	**19,022**		**18,350**		**18,094**		

Top 5 Deficiencies 2013-2015

2013	2014	2015
Nautical Publication 768 (4.04%)	Nautical Publication 689 (3.75%)	Lifeboat 678 (3.75%)
Lifeboat 594 (3.12%)	Lifeboat 641 (3.49%)	Nautical Publication 607 (3.35%)
Charts 568 (2.99%)	Charts 495 (2.70%)	Lights Shapes Sound-Signals 564 (3.12%)
Lifebuoys Incl. Provision and Disposition 486 (2.55%)	Lifebuoys Incl. Provision and Disposition 475 (2.59%)	Emergency, Lighting Batteries and Switches 461 (2.55%)
Emergency, Lighting Batteries and Switches 411 (2.16%)	Emergency, Lighting Batteries and Switches 451 (2.46%)	Lifebuoys Incl. Provision and Disposition 453 (2.50%)

Major Detainable Deficiencies by Category 2013-2015 (in the order 2015 top 10)

DETAINABLE DEFICIENCIES BY CATEGORY	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
Life Saving Appliances	96	15.2%	78	15.4%	113	15.4%	**15.3%**
Emergency Systems	95	15.1%	46	9.1%	109	14.9%	**13.4%**
Safety of Navigation	46	7.3%	72	14.2%	105	14.3%	**11.9%**
Fire Safety	73	11.6%	52	10.3%	92	12.5%	**11.6%**
Structural Conditions	41	6.5%	38	7.5%	58	7.9%	**7.3%**
ISM	29	4.6%	44	8.7%	54	7.4%	**6.8%**
Ship Certificates	46	7.3%	15	3.0%	46	6.3%	**5.7%**
Radio Communications	32	5.1%	29	5.7%	30	4.1%	**4.9%**
Propulsion and Auxiliary Machinery	33	5.2%	10	2.0%	20	2.7%	**3.4%**
Working Conditions	37	5.9%	33	6.5%	18	2.5%	**4.7%**
Other	102	16.2%	89	17.6%	89	12.1%	**15.0%**
Totals	**630**		**506**		**734**		

Top 5 Detainable Deficiencies 2013-2015

2013	2014	2015
Emergency, Lighting Batteries and Switches 42 (6.67%)	Lifeboats 34 (6.72%)	Lifeboats 46 (6.27%)
Lifeboats 42 (6.67%)	Other (ISM) 20 (3.95%)	Charts 30 (4.09%)
Emergency Fire Pump and Its Pipes 41 (6.51%)	Emergency Fire Pump and Its Pipes 20 (3.95%)	Other (ISM) 29 (3.95%)
Fire Detection and Alarm System 19 (3.02%)	Hull Damage Impairing Seaworthiness 19 (3.75%)	Emergency, Lighting, Batteries and Switches 28 (3.81%)
Other (ISM) 16 (2.54%)	Voyage Data Recorder (VDR / Simplified Voyage Data Recorder (S-VDR) 15 (2.96%)	Emergency Fire Pump and Its Pipes 25 (3.41%)

Major RO Related Detainable Deficiencies by Categories 2013-2015 (in the order 2015 top 5)

RO RELATED DETAINABLE DEFICIENCIES BY CATEGORY	2013	2013 SHARE	2014	2014 SHARE	2015	2015 SHARE	2013-2015 SHARE
Structural Conditions	9	16.7%	4	13.3%	13	27.7%	**19.8%**
Ship Certificates	12	22.2%	1	3.3%	8	17.0%	**16.0%**
Life Saving Appliances	3	5.6%	5	16.7%	6	12.8%	**10.7%**
MARPOL Annex I	1	1.9%	0	0.0%	5	10.6%	**4.6%**
ISM	0	0.0%	4	13.3%	4	8.5%	**6.1%**
All Other Deficiencies	29	53.7%	16	53.3%	11	23.4%	**42.7%**
Totals	**54**		**30**		**47**		

RO Related Detainable Deficiencies 2013-2015

2013	2014	2015
Hull - Cracking 6 (11.11%)	Covers (Hatchway-. Portable-. Tarpaulins. etc.) 3 (10.00%)	Ballast. Fuel and Other Tanks 3 (6.38%)
Emergency Fire Pump and Its Pipes 3 (5.56%)	Hull - Corrosion 2 (6.67%)	Ventilators Air Pipes Casings 3 (6.38%)
Other Cargo / Timber / Deck / Construction 3 (5.56%)	Ventilators Air Pipes, Casings 2 (6.67%)	Rescue Boats 3 (3.68%)
Cargo Ship Safety Radio (Including Exemption) 2 (3.70%)	Launching Arrangements for Survival Craft 2 (6.67%)	Pumping Piping and Discharge Arrangements 3 (6.38%)
Load Lines (Including Exemption) 2 (3.70%)	Safety Management Certificate (SMC/ISM Code) 1 (3.33%)	Safety Management Certificate (SMC/ISM Code) 2 (4.26%)

Top 5 MLC Deficiencies 2014-2015

2014	2015
Access / Structural Features (Ship) 285 (22.3%)	Access / Structural Features (Ship) 284 (22.3%)
Lighting (Working Spaces) 228 (17.8%)	Ropes and Wires 238 (18.7%)
Ropes and Wires 198 (15.4%)	Lighting (Working Spaces) 200 (15.7%)
Electrical 92 (7.2%)	Anchoring Devices 80 (6.3%)
Anchoring Devices (3 (6.5%)	Electrical 78 (6.2%)

Top 5 MLC Detainable Deficiencies 2014-2015

2014	2015
Wages 8 (33.3%)	Wages 5 (14.7%)
Calculation and Payment of Wages 3 (12.5%)	Ropes and Wires 5 (14.1%)
Manning Specified by the Minimum Safe Manning Doc 2 (8.3%)	Seafarers' Employment Agreement 4 (11.8%)
Seafarers' Employment Agreement 2 (8.3%)	Maritime Labour Certificate 2 (5.9%)
Lighting (Working Spaces) 2 (8.3%)	Legal Documentation on Work and Rest Hours 2 (5.9%)
Ropes and Wires 2 (8.3%)	Calculation and Payment of Wages 2 (5.9%) Heating, Air Conditioning and Ventilation 2 (5.9%) Electrical 2 (5.9%) Cleanliness of Engine Room 2 (5.9%)

Inspection Detention Deficiency Data by Ship Flag 2013-2015

SHIP FLAG	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS
Albania	1	7	0
Algeria	4	37	0
Antigua and Barbuda	359	1,177	6
Austria	1	3	0
Azerbaijan	3	13	0
Bahamas	355	838	9
Bahrain	1	0	0
Bangladesh	9	92	2
Barbados	32	122	0
Belgium	18	14	0
Belize	417	2,310	16
Bermuda (GB)	4	2	0
Bolivia	7	81	0
Bulgaria	61	215	3
Cambodia	442	3,285	38
Cayman Islands (GB)	27	80	0
China	68	76	1
Comoros	195	1,291	17
Cook Islands	290	1,273	15
Croatia	23	28	0
Curacao	14	66	0
Cyprus	162	363	3
Denmark	68	241	1
Dominica	8	60	0
Egypt	37	173	1
Estonia	1	6	0
Ethiopia	6	19	0
Finland	1	0	0
France	6	14	0
Georgia	16	55	0
Germany	11	34	0
Gibraltar (GB)	72	165	1
Greece	396	500	2
Honduras	5	49	2
Hong Kong, China	484	802	3
India	22	68	1
Indonesia	1	10	0
Iran, Islamic Republic of	11	36	0
Ireland	4	3	0
Isle of Man (GB)	76	141	2
Israel	4	25	0
Italy	272	612	1
Jamaica	4	19	0
Japan	3	2	0
Kiribati	16	97	3
Korea, Republic of	21	58	1
Kuwait	2	2	0
Lebanon	51	229	2
Liberia	1,158	2,866	15
Libyan Arab Jamahiriya	22	29	0

SHIP FLAG	NUMBER OF INSPECTIONS	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS
Lithuania	12	11	0
Luxembourg	7	16	0
Malaysia	2	3	0
Malta	1,853	4,128	23
Marshall Islands	963	2,163	15
Mauritius	1	0	0
Moldova, Republic of	524	3,917	59
Mongolia	10	81	3
Montenegro	3	0	0
Netherlands	238	435	0
Norway	80	144	1
Pakistan	4	3	0
Palau	63	493	10
Panama	1,883	7,278	66
Philippines	23	87	0
Poland	2	1	0
Portugal	27	92	0
Qatar	2	10	0
Romania	4	33	1
Russian Federation	926	3,244	38
Saint Kitts and Nevis	194	1,042	10
Saint Vincent and the Grenadines	230	1,254	16
Samoa	1	23	0
Sierra Leone	236	1,537	16
Singapore	334	707	3
Spain	2	2	0
Sri Lanka	1	7	0
Sweden	1	0	0
Switzerland	24	91	2
Syrian Arab Republic	17	73	1
Taiwan, China	1	0	0
Tanzania, United Republic of	245	2,170	33
Thailand	31	83	0
Togo	264	2,028	29
Tunisia	3	14	0
Turkey	1,354	5,025	60
Tuvalu	33	203	2
Ukraine	149	809	15
United Kingdom	67	194	1
United States	4	0	0
Vanuatu	76	319	3
Vietnam	5	49	1
TOTAL	15,170	55,457	553

RO Inspection Deficiency and Detention Data 2013-2015

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF RO RELATED DEFICIENCIES	NUMBER OF RO RELATED DETENTIONS
Alpha Register of Shipping	1	0	0
American Bureau of Shipping	1,470	2	1
American Register of Shipping	22	0	0
ASIA Classification Society	3	0	0
Belize Register Corporation	1	0	0
Biro Klasifikasi Indonesia	1	0	0
Black Sea Bureau of Shipping	2	0	0
Bulgarian Register of Shipping	225	2	2
Bureau Securitas	19	0	0
Bureau Veritas	2,733	4	2
China Classification Society	305	0	0
Columbus American Register	27	0	0
Compania Nacional de Registro e Inspeccion de Naves,S.de R.L.	11	0	0
CR Classification Society	2	0	0
Croatian Register of Shipping	29	0	0
Cyprus Bureau of Shipping	1	0	0
Det Norske Veritas	1,543	0	0
DNV GL AS	767	0	0
Dromon Bureau of Shipping	278	5	2
Fidenavis S.A.	2	0	0
Germanischer Lloyd	1,696	3	1
Global Marine Bureau Inc.	128	0	0
Global Shipping Bureau Inc	52	0	0
Global Shipping Class Inc.	1	0	0
Guardian Bureau of Shipping (GBS)	7	0	0
Hellenic Register of Shipping	17	0	0
Honduras International Surveying and Inspection Bureau	1	0	0
Honduras Maritime Inspection Inc.	4	0	0
Indian Register of Shipping	26	0	0
Inspeccion y Clasificacion Maritima (INCLAMAR)	29	0	0
Intermaritime Certification Services, ICS Class	77	0	0
International Maritime Register	15	1	1
International Naval Surveys Bureau	398	3	1
International Register of Shipping	287	17	2
International Ship Classification	32	0	0
Iranian Classification Society	9	0	0
Isthmus Bureau of Shipping, S.A.	99	0	0
Korea Classification Society	3	0	0
Korean Register of Shipping	192	0	0
Libyan Surveyor Mr. Sif Ennasar Abdulhamid Giahmi	1	0	0

RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	NUMBER OF RO RELATED DEFICIENCIES	NUMBER OF RO RELATED DETENTIONS
Lloyd's Register	2,234	0	0
Macosnar Corporation	119	14	2
Maritime Bureau of Shipping	33	0	0
Maritime Lloyd Ltd, Georgia	203	7	2
Mediterranean Shipping Register (MSR)	17	4	1
National Shipping Adjuster Inc.	95	1	1
New United International Marine Services Ltd.	3	0	0
Nippon Kaiji Kyokai	2,747	2	2
No Class	1	0	0
NV Unitas	2	0	0
Other	500	12	3
Overseas Marine Certification Services	54	3	1
Panama Bureau of Shipping	4	0	0
Panama Marine Survey and Certification Services Inc.	33	0	0
Panama Maritime Documentation Services	27	0	0
Panama Maritime Surveyor Bureau Inc.	2	0	0
Panama Register Corporation	52	0	0
Panama Shipping Registrar Inc.	38	0	0
Phoenix Register of Shipping	168	4	1
Polski Rejestr Statkow (Polish Register of Shipping)	142	0	0
Register of Shipping (Albania)	1	0	0
Registro Internacional Naval, S.A.	5	0	0
Registro Italiano Navale	701	0	0
Romanian Naval Register	1	0	0
Russian Maritime Register of Shipping	2,404	17	6
Russian River Register	4	0	0
Shipping Register of Ukraine	530	27	5
State Committee of Fisheries of Ukraine	1	0	0
Turkish Lloyd	725	0	0
Union Bureau of Shipping	1	0	0
Universal Maritime Bureau Ltd	6	0	0
Universal Shipping Bureau Inc.	20	0	0
Venezuelan Register of Shipping	107	3	1
Vietnam Register	8	0	0
TOTAL	21,504	131	37

Flag Administrations with Very High Detention Index Level* with Corresponding RO Which Have Very High RO Related Detention Index Level** 2013-2015

FLAG STATE	RECOGNIZED ORGANIZATION	NUMBER OF INSPECTIONS	INSPECTIONS WITH DETENTIONS	DETENTION %	(+/-) EXCESS AVERAGE 1.69%
Cambodia	International Register of Shipping	73	1	1.37	-0.32
	Shipping Register of Ukraine	177	1	0.56	-1.13
	Overseas Marine Certification Services	21	1	4.76	3.07
Moldova. Republic of	Bulgarian Register of Shipping	88	2	2.27	0.58
	Shipping Register of Ukraine	151	2	1.32	-0.37
	Venezuelan Register of Shipping	22	1	4.55	2.85
	Mediterranean Shipping Register (MSR)	17	1	5.88	4.19
Palau	International Register of Shipping	39	1	2.56	0.87
Tanzania. United Republic of	Maritime Lloyd Ltd. Georgia	97	2	2.06	0.37
Togo	International Naval Surveys Bureau	80	1	1.25	-0.44
Ukraine	Shipping Register of Ukraine	122	2	1.64	-0.05
TOTAL		**887**	**15**	**1.69**	

* Detention Index Greater Than 2 Times of the Regional Average Detention Index

** RO Related Detention Index Greater Than 2 Times of the Regional Average RO Related Detention Index

Flag Administrations with Very High Detention Index Level with Corresponding ROs with an Average Detention Percentage ≥ 1,69% 2013-2015

RECOGNIZED ORGANIZATION	FLAG STATE	NUMBER OF INSPECTIONS	INSPECTIONS WITH DETENTIONS	DETENTION %	(+/-) EXCESS AVERAGE 1.69%
Bulgarian Register of Shipping	Moldova, Republic of	88	2	2.27	0.58
International Register of Shipping	Palau	39	1	2.56	0.87
Maritime Lloyd Ltd, Georgia	Tanzania, United Republic of	97	2	2.06	0.37
Mediterranean Shipping Register (MSR)	Moldova, Republic of	17	1	5.88	4.19
Overseas Marine Certification Services	Cambodia	21	1	4.76	3.07
Venezuelan Register of Shipping	Moldova, Republic of	22	1	4.55	2.85

BLACK SEA MEMORANDUM OF UNDERSTANDING
BS MOU
on Port State Control

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Georgia

Maritime Transport Agency
Ministry of Economy and Sustainable Development of Georgia
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