



PORT STATE CONTROL IN THE BLACK SEA REGION ANNUAL REPORT 2014



BLACK SEA PORT STATE CONTROL SECRETARIAT
ISTANBUL / TURKEY

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FOREWORD

We are pleased to present the fourteenth 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. Thereby BS MOU member Authorities have dedicated considerable resources to having a rigorous port State control program of the highest standard.

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.

Through computerized ship risk profile based targeting system and publication of the monthly ship watch list, the BS MOU is increasing the pressure on the substandard ships to encourage them to improve their performance or to force them to leave the region. The BS MOU Member Authorities' objective is to inspect eligible ships based on risk, with lower risk ships given a lower priority compared to those that have been identified as having a higher risk factor. In the light of the Paris MOU NIR, further refinement of the ship targeting and inspection system is underway.

This PSC Annual report covers the period between 1st January and 31st December 2014. During this period the BS MOU member Authorities conducted a total of 5,092 initial inspections, representing 0.24 per cent increase as compared with 5,080 initial inspections in 2013. The regional inspection rate is 69.41% which is 5.80% increase compared with 2013. A total of 151 detentions were warranted to ships found with serious deficiencies. This represents a detention percentage of 2.97% which is 0.65% decrease as compared with 184 detentions in 2013.

During 2014 a total of 18,350 deficiencies were recorded. The average number of deficiencies per inspection was 3.60; resulting in a 0.14 deficiency point improvement.

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 2014 and 30th November 2014, a CIC was carried out with respect to the STCW Hours of Rest.

The BS MOU member Authorities are committed to ensuring that only high-quality ships, operated by competent crew, trade in the region, by investing considerable resources and effort in the creation and maintenance of a PSC program to eliminate substandard vessels in the region.

Captain Marian POPESCU
Chairman
BS MOU PSC Committee

Hüseyin YÜCE
Secretary
BS MOU Secretariat



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2014 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 harmonized 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 2014.

PORT STATE CONTROL COMMITTEE

The Fifteenth Meeting of the Black Sea Port State Control Committee was held in Constanta, Romania from 8 to 10 April 2014. The meeting was chaired by Mrs. Radina RUSSEVA - Senior Expert European Union International Affairs and Projects Directorate Bulgarian Maritime Administration.

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 Coast 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 agreed not to incorporate RO Performance List in the Annual report before taking decision on the determination of the RO performance model to be used in the ship risk profile matrix, since accurate reliable performance calculation models requires statistically significant amount of data. In this regards it was considered useful to elaborate alternatives for ranking of the RO performances.



The Committee considered draft amendments to the Memorandum regarding the introduction of a New Targeting and Inspection System in the BS MOU and agreed in principle to make necessary preparation and developments in order to launch New Targeting and Inspection System into operation by 1st January 2016. In this respect, the Committee also agreed:

- to review follow-up inspection scheme for further harmonization with the Paris MOU inspection scheme;
- to compare the Tokyo and Paris MOU BGW List Models and possible alternatives for the Flag, RO performance for the risk profile matrix; and
- to investigate possibility to identify a technically simple and relaxed model.

The Committee approved the new structure and content of the PSC Manual in order further harmonization with the Paris MOU, in particular procedures on the relevant instruments and the amendments to the guidelines for the responsibility assessment of recognized organizations, amended guidelines on the detention review board and adopted new PSC guidelines on Electronic Chart Display and Information System (ECDIS) and revision to the followings taking into account revisions to the Paris MOU respective guidelines:

- Guidelines for the PSCO on the International Convention on Load Lines,
- Guidelines for the PSCO on the MARPOL Annex I,
- Guidelines on the inspection of Hours of Work/Rest and Fitness for Duty, and
- Guidelines for PSC Inspection of Certification of Seafarers and Manning Requirements According to the STCW convention, MLC and SOLAS.

The Committee further agreed:

- on the revision of the Form A and Form B;
- to study revision of the existing action taken codes in line the Paris MOU;

The Committee considering development of new guidelines, agreed on the development and incorporation of the following guidelines into the Manual with an effective date of 1st January 2015.

SOLAS Convention

- Guidelines on checking a VDR
- Guidelines on Material Safety Data Sheets
- Guidelines on Flag State exemptions
- Guidelines for PSCO's Thickness measurements
- Guidelines for PSCO's on checking ship's hull thickness measurement on ships other than those covered by ESP and CAS

MARPOL Convention

- Guidelines on crude oil washing
- Guidelines on Unloading stripping and prewash operations under Annex II

The Committee further agreed on the incorporation of the Paris MOU "Definitions and Abbreviations" into the Manual for further harmonization with the Paris MOU with a view to avoid incorporate definitions into each guidelines.

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 approve:

- Report on the result of the CIC on Propulsion and Auxiliary Machinery;
- the arrangements for the CIC on STCW Hours of rest to be carried out from 1st September to 30th November 2014 with the Paris and the Tokyo MOU; and
- the plan to conduct a joint CIC on Crew Familiarization Enclosed Space Entry with the Paris MOU in 2015.

In considering result of the CIC on Propulsion and Auxiliary Machinery the Committee agreed to incorporate breakdown of the first three major non-compliances by ship flag, ship type and ship age.

The Committee reviewed and updated the list of the BS MOU follow-up actions emanating from the Second Joint Ministerial Conference of the Paris and Tokyo Memorandas on Port State Control in Canada 2004, work has been done, completed or in progress.

The Committee unanimously elected Captain Serban BERESCU (Romania) as Chairman and Captain Mamuka AKHALADZE as Vice Chairman of the Committee.

The committee agreed to conduct the BS MOU Port State Control Committee 16th meeting in Batumi, Georgia in April 2015.

BLACK SEA INFORMAT>ON 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 target factor, PSC inspection and detention data on the Memorandum web-site.

CONCENTRATED INSPECT>ON CAMPA>GN

From 1st September 2014 to 30th November 2014, the BS MOU carried out a Concentrated Inspection Campaign (CIC) on STCW Hours of Rest. 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.

Preliminary results from the campaign reveals that 6 ships were detained as a direct result of the CIC for deficiencies related to STCW Hours of Rest in the BS MOU region. During the campaign, a total of 1,146 inspections were carried out with the CIC questionnaire involving 1,146 individual ships. 21 ships were detained and 28.57% of these detentions were CIC-topic related. This means that in 6 cases the STCW Hours of Rest had deficiencies, which were serious enough to detain the ship resulting a CIC-topic related detention rate of 0.52%.

Concentrated inspection campaign in 2015

The BS MOU would join in with the Paris MOU and the Tokyo MOU to conduct a CIC on Crew Familiarization for Enclosed Space Entry which will be carried out from 1st September to 30th November 2015.

TRAINING

One PSCO from Georgia participated into the Paris MOU Expert Training Safety and Environment in Hague, Netherlands on 4-7 March 2014, one PSCO from Turkey participated into the Specialized Training the Inspection of Oil and Chemical Tanker and Gas Carriers in Hague, Netherlands on 15-18 April. One PSCO from Georgia participated into the Viña Del Mar Agreement and Tokyo MOU Expert Training Course which was held in Buenos Aires, Argentina, on 10-20 March 2014 and one PSCO from Turkey participated into the Tokyo MOU General Training Course for PSCO, Yokohama, Japan from 25 August to 19 September 2014.

PSCO Exchange Programme

Within the scope of regional and interregional PSCO Exchange Programmes two PSC officer exchanges were conducted in 2014, namely two PSCOs from Georgia to Romania, one PSCO from the Russian Federation to 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, Viña Del Mar Agreement, and Indian Ocean MOU.

The BS MOU was represented by the Secretary at the Paris MOU PSCC47 meeting which was held in Vilnius, Lithuania from 19 to 23 May 2014.

The BS MOU was represented by the Secretary in the 1st session of the Implementation of IMO Instruments (III) Sub-Committee (14-18 July 2014) which was held in IMO Headquarter.

The BS MOU was represented by the Russian Federation at the PSCC21 meeting of the Viña Del Mar Agreement which was held in Antigua, Guatemala, from 13 to 17 October 2014.

The BS MOU was represented by the Republic of Turkey at the PSCC17 meeting of the MED MOU which was held in Tangier, Morocco from 28 to 30 October 2014.

The BS MOU was represented by the Russian Federation at the PSCC25 meeting of the Tokyo MOU which was held in Queenstown, New Zealand from 10 to 13 November 2014.

The BS MOU represented by the Republic of Turkey at the 27th and 28th meetings of the Paris MOU Technical Evaluation Group, which were held in Nantes, France from 11 to 13 December 2014 and the Hague, the Netherlands from 17 to 18 February 2015.

The Secretary attended the 2nd meeting of the Heads of Maritime Administrations of Member States from East Europe and West Asia and Seminar on acceptance and implementation of IMO instruments (Varna, Bulgaria 15-17 September 2014).

PSC INSPECT>ONS 2014

REG>ONAL INSPECT>ON DATA

During the 2014 calendar year 5,368 individual ship visited inspection ports in the Black Sea region in which 3,726 (69.41%) individual ships inspected and 144 (3.86%) individual ships detained. The number of individual ships inspected in 2014 (3,726) is slightly increased compared with the number of individual ships inspected in 2013 (3,681) despite to 7.22 per cent decrease of the individual ship visit in 2014 as compared with 5,786 individual ship visits in 2013.

5,092 inspections carried out onboard 3,726 individual ships registered by 76 flag Administration. The number of inspections in 2014 (5,092) increased over 2013 (5,080).

The overall detention percentage in the region was 3.62% in 2013; in 2014 it decreased down to 2.97% 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 3.86% which is lower than 5.60% in 2013.

The number of ships detained in 2014 for deficiencies clearly hazardous to safety, health or environmental amounted to 151. It compares with the number of detained 184 in 2013, 215 in 2012. Number of inspections decreased 12 (0.24%), total number of detentions decreased 33 (17.93%) which resulted 0.65% decrease in detention percentage in 2013 (3.62%). Table 1 displays 10-year summary of inspection, detention and deficiency rate.

Table 1- 10 Year Summary of Inspections, Detentions and Deficiency Rate

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Number of Inspections	5,069	4,658	4,499	5,161	4,805	4,929	4,657	4,607	5,080	5,092
Number of Detentions	316	259	367	329	278	286	249	215	184	151
Detention %	6.23	5.56	8.16	6.37	5.79	5.80	5.35	4.67	3.62	2.97
Deficiencies / Inspection	4.53	4.90	5.51	4.87	4.76	4.35	4.13	3.89	3.74	3.60

Table 2 displays regional individual ship visit and inspection data (last line) together with the Authority inspection data. Inspection and detention rates by Authority are displayed in Figure 1.

INSPECT>ON DATA BY AUTHOR>TY

The BS MOU member Authorities contributions into the regional inspection efforts displayed with Table 1. Member Authorities inspection rates (percent of number of individual ships inspected) varied between 31.76% and 59.44%. Regional inspection rate is 69.41%. Detention percentage of the member Authorities are varied from 0.65 to 5.08 per cent.

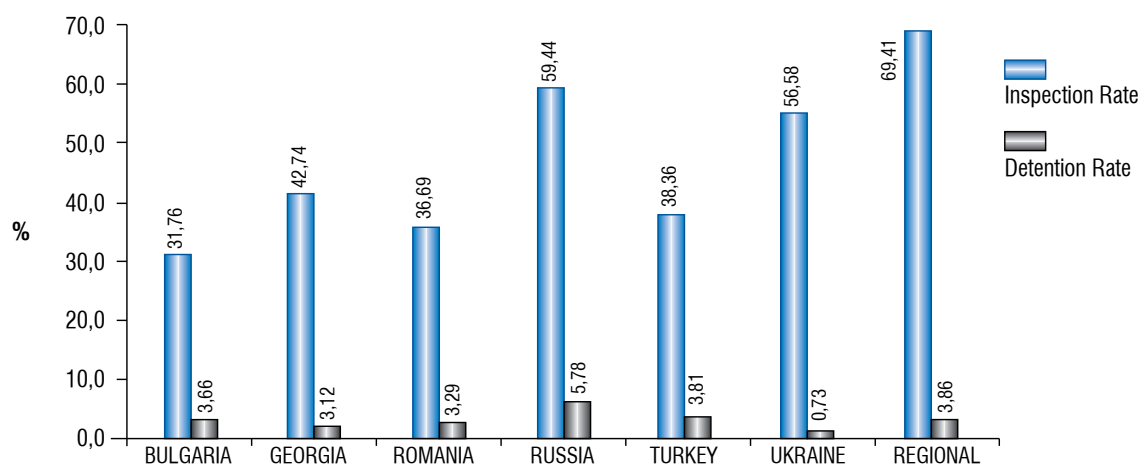
Average per cent of inspections with deficiencies in 2014 (59.92%) is 5,16 per cent lower than 2013 (65.08%). Per cent of inspections with deficiencies varies from 49.74 per cent up to 69.23 per cent in the region.

Table 2- Inspection Data by Authority and Region

AUTHORITY	NO. OF INDIVIDUAL SHIP VISITS	NO. OF INDIVIDUAL SHIPS INSPECTED	NO. OF INSPECTIONS	NO. OF INSPECTIONS WITH DEFICIENCIES	NO. OF FOLLOW-UP INSPECTIONS	NO. OF DEFICIENCIES	NO. OF DETENTIONS	NO. 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 IRO RELATED DETAINABLE DEFICIENCIES
BULGARIA	1,461	464	494	333	15	1,862	17	17	31.76	3.66	3.44	67.41	3.77	9.70	3
GEORGIA	826	353	369	208	218	2,054	11	11	42.74	3.12	2.98	56.37	5.57	7.25	0
ROMANIA	1,987	729	775	464	66	2,195	24	24	36.69	3.29	3.10	59.87	2.83	15.22	1
RUSSIA ⁽¹⁾	2,155	1,281	1,456	1,008	743	7,965	74	74	59.44	5.78	5.08	69.23	5.47	28.59	2
TURKEY ⁽¹⁾	1,027	394	462	274	170	1,453	15	15	38.36	3.81	3.25	59.31	3.15	9.07	1
UKRAINE	2,423	1,371	1,536	764	382	2,821	10	10	56.58	0.73	0.65	49.74	1.84	30.16	0
REGIONAL	5,368	3,726	5,092	3,051	1,594	18,350	151	144	69.41	3.86	2.97	59.92	3.60		7

⁽¹⁾ Data only Black Sea Ports, ⁽²⁾ Individual ships inspected in % of individual ships visited

⁽³⁾ Number of individual ships detained in % of individual ships visited, ⁽⁴⁾ Detentions in % of inspections

Figure I- Inspection and Detention Rates by Authority


INSPECTION DATA BY FLAG

Inspections in 2014 were carried out on ships registered under 76 flags. The majority of inspections were Malta (12.5%), Panama (12.30%), and Turkey (8.6%) flagged vessels, with large number from Liberia (7.4%), Russia (6.3%), Marshall Islands (5.9%) and Moldova (5.9%) which represents 56.44 per cent of total inspections, amounted to 2,874 inspections.

In 2014, ships registered under 51 foreign flags were observed to have deficiencies sufficiently serious to impair the seaworthiness and warrant detention. High detention percentage observed Moldova (10.06%), Tanzania (9.76%) and Togo (7.69%) flagged vessels. Table 3 illustrates inspections data by flags exceeding average detention percentage (with inspections more than 10).

Table 3- 2014 Detentions by Flag, Exceeding Average Detention Percentage (Number of Inspections > 10)

FLAG	NUMBER OF INDIVIDUAL SHIP VISITS	NUMBER OF INDIVIDUAL SHIPS INSPECTED	NUMBER OF INSPECTIONS	NO. OF INSPECTIONS WITH DEFICIENCIES	NUMBER OF DEFICIENCIES	NUMBER OF DETENTIONS	DETENTION PERCENTAGE	% OF INSPECTIONS WITH DEFICIENCIES	EXCESS OF AVERAGE
Belize	96	96	147	118	776	6	4.08	80.27	1.11
Cambodia	95	92	165	157	1361	14	8.48	95.15	5.51
Comoros	39	34	75	67	482	6	8.00	89.33	5.03
Cook Islands	66	63	101	75	455	5	4.95	74.26	1.98
Moldova, Republic of	128	111	179	165	1260	18	10.06	92.18	7.09
Palau	9	7	16	14	85	1	6.25	87.50	3.28
Panama	504	455	626	377	2,387	22	3.51	60.22	0.54
Saint Kitts and Nevis	42	40	66	49	363	3	4.55	74.24	1.58
Saint Vincent and the Grenadines	55	45	74	59	424	4	5.41	79.73	2.44
Tanzania, United Republic of	49	45	82	79	784	8	9.76	96.34	6.79
Togo	57	54	104	101	764	8	7.69	97.12	4.72
Turkey	324	281	437	291	1,541	14	3.20	66.59	0.23
Ukraine	47	38	53	36	241	4	7.55	67.92	4.58
United Kingdom	41	22	25	14	75	1	4.00	56.00	1.03
Vanuatu	22	21	32	29	154	2	6.25	90.63	3.28

INSPECTION DATA BY RECOGNIZED ORGANIZATION

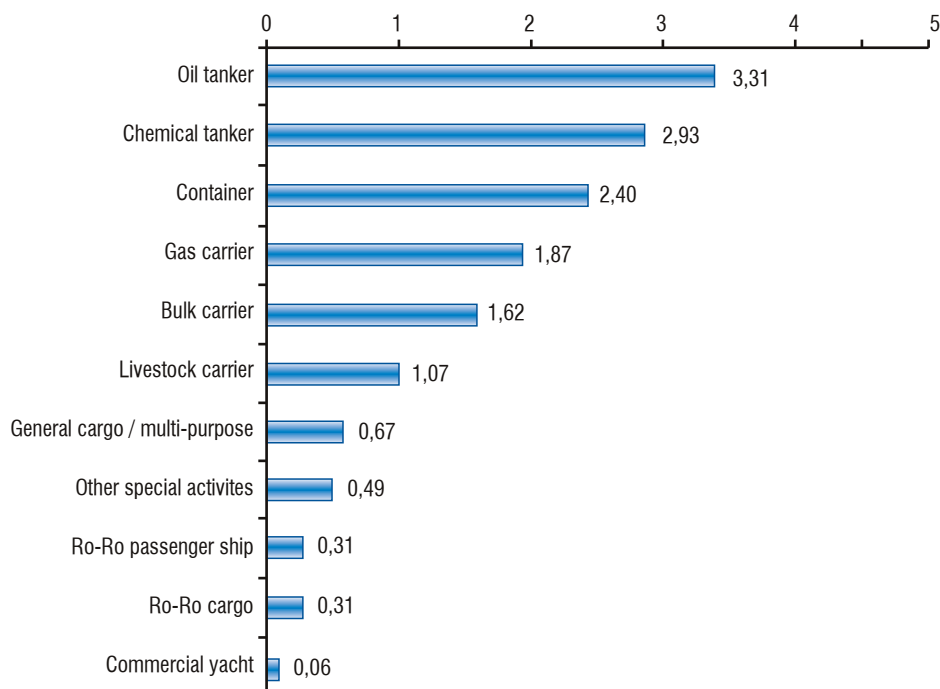
The majority of ships inspected are in class with the Nippon Kaiji Kyokai (18.1%), Bureau Veritas (18.0%), Russian Maritime Register of Shipping (15.6%), Lloyd's Register (14.7%) and Germanischer Lloyd (12.0%). Higher per cent of detentions were with Phoenix Register of Shipping (9.80%), Isthmus Bureau of Shipping, S.A. (9.27%), followed by International Naval Surveys Bureau (9.27%) and Macosnar Corporation (8.89%) (with inspections more than 30). Higher per cent of inspections with deficiencies were Global Marine Bureau Inc. (95.35%), International Register of Shipping (94.62%), Maritime Lloyd Ltd, Georgia (94.20%) followed by International Naval Surveys Bureau (92.72%) and Dromon Bureau of Shipping (91.73%) (with inspections more than 30).

INSPECTION DATA BY SHIP TYPE

When considering the breakdown of ships inspected by ship type, largest group of the ship inspected during 2014 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 amounted 4,219 inspections.

Majority of detained ships were type of general cargo/multi purpose ships with 94 (62.25%) detentions and bulk carriers with 28 (18.54%) detentions and followed by RO-Ro cargo ships with 10 (6.62%) detentions which were accounted for 87.42% of the total detentions Higher per cent of detentions were with Ro-Ro passenger ship (9.71%) Ro-Ro passenger ships (9.68%), other special activities (6.00%) and general cargo/multi-purpose ships (4.42%) (number of inspections more than 10). Figure 3 shows how the ship types inspected performed with regards to detention.

Figure 2- Ratio of Share of Inspections to the Share of Detentions for Ship Types with Detentions



INSPECTION DATA BY DEFICIENCY

A total of 18,350 deficiencies were recorded during the port State control inspections in 2014. Majority of the deficiencies found upon inspection in 2014 were related to safety of navigation (18.08%), life saving appliances (13.67%), fire safety measures (8.54%) and living and working conditions-working conditions (8.50%) and these four categories make up 48.79% of the total deficiencies found.

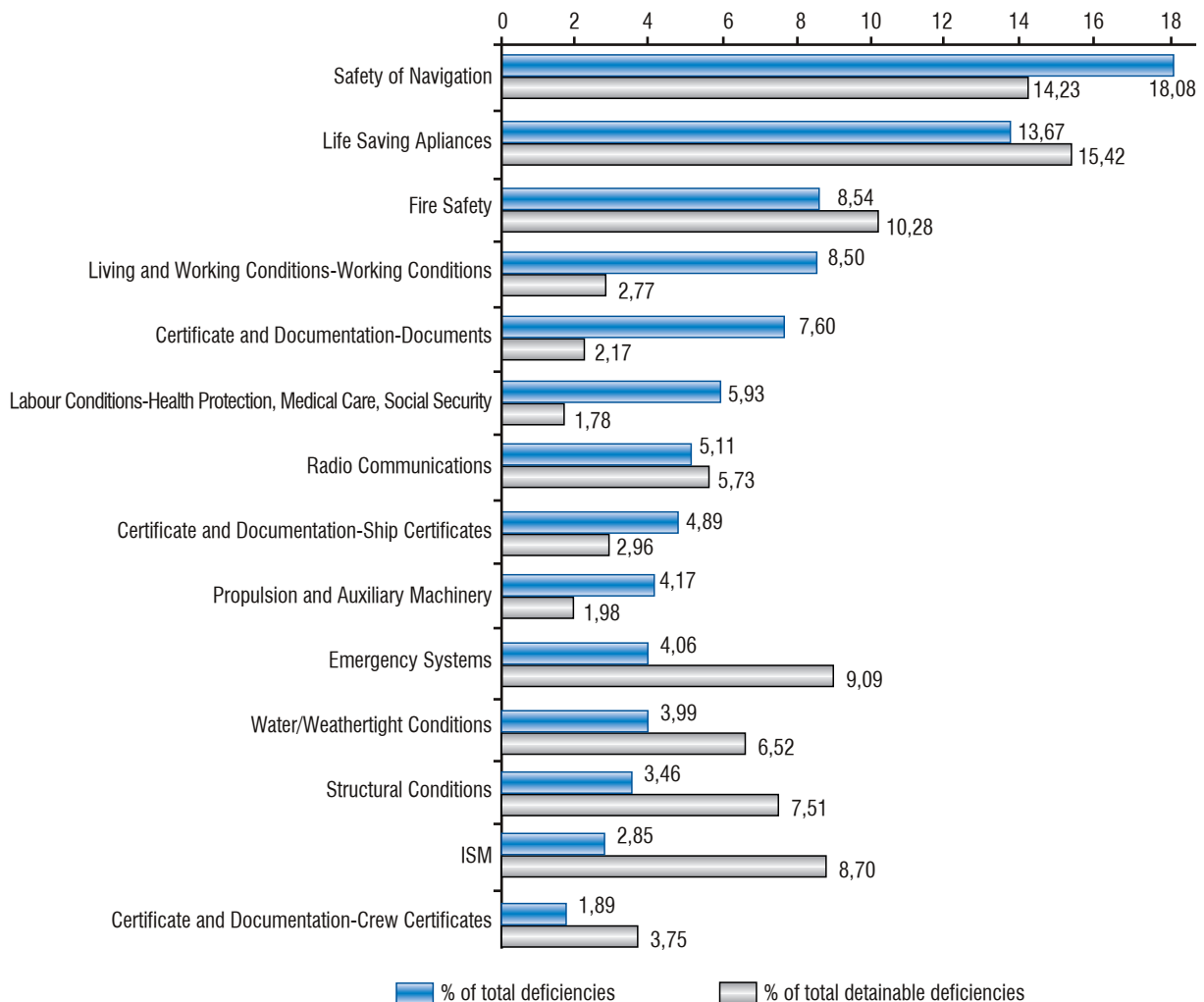
Number of ISM related deficiencies were 523 which accounted for 2.85 per cent of the deficiencies, 285 marine pollution MARPOL Annex I related deficiencies observed accounting 1.55 per cent of the total deficiencies.

A total 506 detainable deficiencies and 30 RO related detainable deficiencies were recorded during the port State control inspections. 2.76 per cent of deficiencies in 2014 were detainable deficiencies, 5.93 per cent of detainable deficiencies in 2014 were RO related.

Majority of the detainable deficiencies found upon inspections in 2014 were related to lifesaving appliances (15.42%), safety of navigation (14.23%), fire safety measures (10.28%), followed by emergency systems (9.09%) and ISM (8.70%). These five categories make up 57.71% of the total detainable deficiencies found.

Majority of the RO related detainable deficiencies found upon inspection in 2014 were related to Water/Weathertight conditions (20.00%), lifesaving appliances (16.67%), structural conditions (13.33%), safety of navigation (13.33) and ISM (13.33). These five categories make up 76.67% of the total detainable deficiencies found. Average number of detainable deficiencies and RO related detainable deficiencies were 3.35 and 0.20 per detention.

Figure 3- Major Deficiencies and Detainable Deficiencies as a Percent of Total Deficiencies



PORT STATE INSPECTION DATA FOR 2014

Table 4- Inspection Data by Flag

FLAG	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
Algeria	1	1	3	0	1	0.00	100.00
Antigua and Barbuda	119	68	421	1	105	0.84	57.14
Austria	1	1	3	0	1	0.00	100.00
Bahamas	111	54	234	1	95	0.90	48.65
Bangladesh	3	2	28	1	2	33.33	66.67
Barbados	14	11	50	0	12	0.00	78.57
Belgium	6	2	2	0	5	0.00	33.33
Belize	147	118	776	6	96	4.08	80.27
Bermuda (GB)	1	0	0	0	1	0.00	0.00
Bolivia	2	2	34	0	1	0.00	100.00
Bulgaria	24	12	46	0	11	0.00	50.00
Cambodia	165	157	1361	14	92	8.48	95.15
Cayman Islands (GB)	7	1	15	0	7	0.00	14.29
China	28	5	14	0	24	0.00	17.86
Comoros	75	67	482	6	34	8.00	89.33
Cook Islands	101	75	455	5	63	4.95	74.26
Croatia	8	3	13	0	8	0.00	37.50
Curacao	4	2	3	0	4	0.00	50.00
Cyprus	36	18	91	0	35	0.00	50.00
Denmark	18	12	66	0	17	0.00	66.67
Dominica	4	3	22	0	3	0.00	75.00
Egypt	15	11	49	0	8	0.00	73.33
Ethiopia	3	2	6	0	3	0.00	66.67
France	3	1	10	0	3	0.00	33.33
Georgia	5	3	15	0	3	0.00	60.00
Germany	4	2	8	0	4	0.00	50.00
Gibraltar (GB)	27	15	79	0	24	0.00	55.56
Greece	125	35	131	0	112	0.00	28.00
Honduras	1	1	4	0	1	0.00	100.00
Hong Kong, China	175	65	318	1	154	0.57	37.14
India	8	2	15	1	8	12.50	25.00
Indonesia	1	1	10	0	1	0.00	100.00
Iran, Islamic Republic of	5	3	9	0	5	0.00	60.00
Ireland	1	1	3	0	1	0.00	100.00
Isle of Man (GB)	22	9	48	0	18	0.00	40.91
Israel	2	1	14	0	2	0.00	50.00
Italy	78	28	140	0	64	0.00	35.90
Jamaica	1	0	0	0	1	0.00	0.00

BLACK SEA MEMORANDUM OF UNDERSTANDING ON PORT STATE CONTROL

FLAG	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
Kiribati	6	6	47	1	4	16.67	100.00
Korea, Republic of	10	8	42	1	9	10.00	80.00
Lebanon	17	14	50	0	9	0.00	82.35
Liberia	376	177	954	5	314	1.33	47.07
Libyan Arab Jamahiriya	5	1	5	0	3	0.00	20.00
Lithuania	3	1	1	0	2	0.00	33.33
Luxembourg	2	1	10	0	2	0.00	50.00
Malaysia	1	1	3	0	1	0.00	100.00
Malta	636	275	1364	10	488	1.57	43.24
Marshall Islands	300	147	738	4	256	1.33	49.00
Moldova, Republic of	179	165	1260	18	111	10.06	92.18
Mongolia	2	2	20	0	1	0.00	100.00
Montenegro	1	0	0	0	1	0.00	0.00
Netherlands	94	34	135	0	82	0.00	36.17
Norway	20	7	39	0	18	0.00	35.00
Palau	16	14	85	1	7	6.25	87.50
Panama	626	377	2387	22	455	3.51	60.22
Philippines	5	1	12	0	5	0.00	20.00
Poland	1	1	1	0	1	0.00	100.00
Portugal	11	6	42	0	10	0.00	54.55
Qatar	1	1	10	0	1	0.00	100.00
Russian Federation	320	212	1018	8	246	2.50	66.25
Saint Kitts and Nevis	66	49	363	3	40	4.55	74.24
Saint Vincent and the Grenadines	74	59	424	4	45	5.41	79.73
Sierra Leone	73	63	368	1	42	1.37	86.30
Singapore	121	56	260	0	110	0.00	46.28
Switzerland	8	6	19	0	7	0.00	75.00
Syrian Arab Republic	8	6	32	0	4	0.00	75.00
Taiwan, China	1	0	0	0	1	0.00	0.00
Tanzania, United Republic of	82	79	784	8	45	9.76	96.34
Thailand	16	9	48	0	12	0.00	56.25
Togo	104	101	764	8	54	7.69	97.12
Turkey	437	291	1541	14	281	3.20	66.59
Tuvalu	6	5	61	0	4	0.00	83.33
Ukraine	53	36	241	4	38	7.55	67.92
United Kingdom	25	14	75	1	22	4.00	56.00
Vanuatu	32	29	154	2	21	6.25	90.63
Vietnam	3	3	15	0	3	0.00	100.00
TOTAL	5,092	3,051	18,350	151	3,726	2.97	59.92

Table 5- 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 DEFICIENCIES
American Bureau of Shipping	485	208	1017	2	5	1
American Register of Shipping	11	6	49	0	1	0
Bulgarian Register of Shipping	83	73	455	1	5	1
Bureau Veritas	915	478	2492	0	17	0
China Classification Society	128	31	183	0	1	0
Columbus American Register	15	15	143	0	1	0
Det Norske Veritas	509	202	916	0	2	0
DNV GL AS	169	72	308	0	1	0
Dromon Bureau of Shipping	133	122	745	0	3	0
Germanischer Lloyd	611	330	1883	0	8	0
Global Marine Bureau Inc.	43	41	369	0	3	0
Global Shipping Bureau Inc	17	12	75	0	0	0
Intermaritime Certification Services, ICS Class	24	12	169	0	3	0
International Naval Surveys Bureau	151	140	1082	0	14	0
International Register of Shipping	93	88	692	0	8	0
Isthmus Bureau of Shipping, S.A.	31	24	198	0	3	0
Korean Register of Shipping	58	27	109	0	1	0
Lloyd's Register	748	349	1580	0	5	0
Macosnar Corporation	45	32	315	10	4	1
Maritime Bureau of Shipping	15	12	75	0	2	0
Maritime Lloyd Ltd, Georgia	69	65	570	4	6	1
National Shipping Adjuster Inc.	40	34	253	0	1	0
Nippon Kaiji Kyokai	922	513	2660	0	16	0
Other	134	115	872	0	6	0
Overseas Marine Certification Services	18	17	117	0	1	0
Panama Register Corporation	17	14	95	0	0	0
Panama Shipping Registrar Inc.	18	14	114	0	3	0
Phoenix Register of Shipping	51	43	341	0	5	0
Polski Rejestr Statkow (Polish Register of Shipping)	51	43	366	0	1	0
Registro Italiano Navale	221	105	601	0	2	0
Russian Maritime Register of Shipping	796	515	2809	0	24	0
Shipping Register of Ukraine	200	172	1354	10	21	2
Turkish Lloyd	241	184	1051	0	10	0
Venezuelan Register of Shipping	62	59	564	3	5	1

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 6- 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	1,532	752	4,018	28	1,232	1.83	49.09
Chemical tanker	296	149	776	3	260	1.01	50.34
Combination carrier	10	6	28	0	9	0.00	60.00
Commercial yacht	2	1	7	1	2	50.00	50.00
Container	162	112	642	2	126	1.23	69.14
Gas carrier	63	36	111	1	49	1.59	57.14
General cargo/multipurpose	2,129	1,548	10,175	94	1,390	4.42	72.71
Heavy load	5	2	12	0	5	0.00	40.00
High speed passenger craft	2	2	9	0	1	0.00	100.00
Livestock carrier	36	35	251	1	25	2.78	97.22
MODU and FPSO	3	2	8	0	3	0.00	66.67
NLS tanker	6	3	10	0	5	0.00	50.00
Offshore supply	16	7	27	0	16	0.00	43.75
Oil tanker	558	224	952	5	447	0.90	40.14
Other special activities	50	37	199	3	38	6.00	74.00
Passenger ship	38	8	48	0	30	0.00	21.05
Refrigerated cargo	18	15	46	0	18	0.00	83.33
Ro-Ro cargo	103	74	799	10	48	9.71	71.84
Ro-Ro passenger ship	31	21	154	3	15	9.68	67.74
Special purpose ship	4	3	8	0	4	0.00	75.00
Tugboat	25	12	65	0	22	0.00	48.00
Vehicle carrier	2	1	4	0	2	0.00	50.00
Woodchip carrier	1	1	1	0	1	0.00	100.00
ALL TYPES	5,092	3,051	18,350	151	3,726	2.97	59.92

Table 7- Inspection Data by Type of Deficiencies

NATURE OF DEFICIENCY	NUMBER OF DEFICIENCIES	NUMBER OF DETAINABLE DEFICIENCIES	NUMBER OF RO RELATED DETAINABLE DEFICIENCIES	% OF TOTAL NUMBER OF DEFICIENCIES	% OF TOTAL DETAINABLE DEFICIENCIES	% OF TOTAL RO RELATED DETAINABLE DEFICIENCIES
Certificate and Documentation - Ship Certificates	898	15	1	4.89	2.96	3.33
Certificate and Documentation - Crew Certificates	347	19	1	1.89	3.75	3.33
Certificate and Documentation - Documents	1,395	11	1	7.60	2.17	3.33
Structural Conditions	634	38	4	3.46	7.51	13.33
Water/Weathertight conditions	732	33	6	3.99	6.52	20.00
Emergency Systems	745	46	0	4.06	9.09	0.00
Radio Communications	938	29	0	5.11	5.73	0.00
Cargo operations including equipment	51	2	0	0.28	0.40	0.00
Fire safety	1,568	52	2	8.54	10.28	6.67
Alarms	46	3	0	0.25	0.59	0.00
Living and Working Conditions - Living Conditions	326	1	0	1.78	0.20	0.00
Living and Working Conditions - Working Conditions	1,559	14	0	8.50	2.77	0.00
Safety of Navigation	3317	72	4	18.08	14.23	13.33
Life saving appliances	2,509	78	5	13.67	15.42	16.67
Dangerous goods	36	0	0	0.20	0.00	0.00
Propulsion and auxiliary machinery	765	10	2	4.17	1.98	6.67
Pollution prevention - Marpol Annex I	285	10	0	1.55	1.98	0.00
Pollution prevention - Marpol Annex II	11	0	0	0.06	0.00	0.00
Pollution prevention - Marpol Annex III	3	0	0	0.02	0.00	0.00
Pollution prevention - Marpol Annex IV	69	1	0	0.38	0.20	0.00
Pollution prevention - Marpol Annex V	214	2	0	1.17	0.40	0.00
Pollution prevention - Marpol Annex VI	24	1	0	0.13	0.20	0.00
Pollution prevention - Anti Fouling	4	0	0	0.02	0.00	0.00
ISM	523	44	4	2.85	8.70	13.33
Other	131	3	0	0.71	0.59	0.00
Labour Conditions-Minimum requirements for seafarers	7	0	0	0.04	0.00	0.00
Labour Conditions-Conditions of employment	37	12	0	0.20	2.37	0.00
Labour Conditions-Accommodation, recreational facilities, food & catering	88	1	0	0.48	0.20	0.00
Labour Conditions-Health protection, medical care, social security	1,088	9	0	5.93	1.78	0.00
TOTAL	18.350	506	30			

ANNEXES

ANNEX-1 PORT STATE INSPECTION DATA FOR 2012-2014

Table 8 - Summary

	2012	2013	2014
Number of inspections	4.607	5.080	5.092
No of inspections with deficiencies	3.002	3.306	3.051
Number of deficiencies observed	17.926	19.022	18.350
Number of detentions	215	184	151
% of inspections with deficiencies	65.2	65.1	59.9
Detention percentage	4.67	3.62	2.97
Average number of deficiencies per inspection	3.89	3.74	3.60

Table 9 - Inspection Data by Authority

MARITIME AUTHORITY	NUMBER OF INDIVIDUAL SHIP VISIT			NUMBER OF INDIVIDUAL SHIP INSPECTED			NUMBER OF INSPECTIONS			NUMBER OF INSPECTIONS WITH DEFICIENCIES			NUMBER OF DETENTIONS		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
BULGARIA	1,337	1,501	1,461	527	505	464	567	536	494	418	366	333	25	20	17
GEORGIA	817	816	826	458	326	353	474	337	369	336	204	208	10	11	11
ROMANIA	1,758	1,912	1,987	675	691	729	727	748	775	391	444	464	16	18	24
RUSSIAN FEDERATION⁽¹⁾	1,972	1,970	2,155	1,227	1,172	1,281	1,395	1,358	1,456	1,060	978	1,008	114	80	74
TURKEY⁽¹⁾	1,082	1,007	1,027	468	346	394	537	414	462	360	301	274	41	40	15
UKRAINE	2,991	2,743	2,423	863	1,499	1,371	907	1,687	1,536	437	1,013	764	9	15	10

⁽¹⁾ Data only for the Black Sea Ports

MARITIME AUTHORITY	% OF INSPECTIONS WITH DEFICIENCIES			DETENTION PERCENTAGE			DETENTION RATE ⁽²⁾			INSPECTION RATE ⁽³⁾		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
BULGARIA	73.72	68.28	67.41	4.41	3.73	3.44	4.74	3.96	3.66	39.42	33.64	31.76
GEORGIA	70.89	60.53	56.37	2.11	3.26	2.98	2.18	3.37	3.12	56.06	39.95	42.74
ROMANIA	53.78	59.36	59.87	2.20	3.41	3.10	2.37	2.32	3.29	38.40	36.14	36.69
RUSSIAN FEDERATION⁽¹⁾	75.99	72.02	69.23	8.17	5.89	5.08	8.64	6.66	5.78	62.22	59.49	59.44
TURKEY⁽¹⁾	67.04	72.71	59.31	7.64	9.66	3.25	8.55	10.69	3.81	43.25	34.36	38.36
UKRAINE	48.18	60.05	49.74	0.99	0.89	0.65	0.93	1.00	0.73	28.85	54.65	56.58

⁽²⁾ Individual ships detained as per cent of individual ships inspected

⁽³⁾ Individual ships inspected as per cent of number of individual ships visited

Table 10 - Detentions and Average Detentions Percentage by Flag (2012-2014)

FLAG	NUMBER OF INSPECTIONS				NUMBER OF DETENTIONS				AVERAGE DETENTION %
	2012	2013	2014	TOTAL	2012	2013	2014	TOTAL	
Antigua and Barbuda	134	144	119	397	4	4	1	9	2,27
Bahamas	83	126	111	320	3	4	1	8	2,50
Bangladesh	2	3	3	8	1	1	1	3	
Barbados	8	11	0	19	1	0	0	1	
Belize	122	149	147	418	4	6	6	16	3,83
Bolivia	4	2	0	6	1	0	0	1	
Cambodia	172	147	165	484	16	11	14	41	8,47
Comores	94	77	75	246	8	8	6	22	8,94
Cook Islands	33	86	101	220	2	8	5	15	6,82
Curacao	18	5	0	23	1	0	0	1	
Denmark	11	24	0	35	0	1	0	1	2,86
Dominica	14	4	0	18	1	0	0	1	
Georgia	19	9	0	28	7	0	0	7	
Greece	134	128	0	262	1	0	0	1	0,38
Gibraltar (GB)	20	26	0	46	0	1	0	1	2,17
Hong Kong, China	115	129	175	419	0	0	1	1	0,24
Honduras	1	3	8	12	0	1	1	2	
Isle of Man (GB)	16	28	0	44	0	1	0	1	2,27
Italy	100	108	0	208	1	0	0	1	0,48
Kribati	8	10	6	24	1	2	1	4	
Korea, Democratic People`s Republic	1	0	10	11	0	0	1	1	
Korea, Republic of	8	10	0	18	1	0	0	1	
Lebanon	12	21	0	33	1	0	0	1	3,03
Liberia	309	370	376	1055	8	6	5	19	1,80
Luxembourg	5	3	0	8	1	0	0	1	
Malta	516	591	636	1743	11	6	10	27	1,55
Marshall Islands	225	293	300	818	4	7	4	15	1,83
Moldova	225	204	179	608	30	23	18	71	11,68
Netherlands	66	79	0	145	3	0	0	3	2,07
Pakistan	1	2	0	3	1	0	0	1	
Palau	0	0	16	16	0	0	1	1	
Panama	494	593	626	1713	24	22	22	68	3,97
Romania	8	3	0	11	0	1	0	1	
Russian Federation	294	349	320	963	8	8	8	24	2,49
Saint Kitts and Nevis	64	78	66	208	3	3	3	9	4,33
Saint Vincent and the Grenadines	101	94	74	269	2	6	4	12	4,46
Sierra Leone	94	89	73	256	9	9	1	19	7,42
Syrian Arab Republic	9	7	0	16	1	1	0	2	
Switzerland	10	5	0	15	0	1	0	1	
Tanzania	98	89	82	269	25	13	8	46	17,10
Togo	50	93	104	247	6	12	8	26	10,53
Turkey	479	497	437	1413	19	14	14	47	3,33
Ukraine	75	60	53	188	5	4	4	13	6,91
United Kingdom	40	18	25	83	0	0	1	1	1,20
Vanuatu	5	11	32	48	1	0	2	3	6,25
Total	4607	5080	5092	14779	215	184	151	550	3,72

No percentage is shown when total number of inspection in three years was less than thirty.

Table II - Inspection Data by Ship Type (2012-2014)

TYPE OF SHIP	INSPECTIONS				INSPECTIONS WITH DEFICIENCIES				NUMBER OF DEFICIENCIES				NUMBER OF DETENTIONS				AVERAGE DETENTION %	AVERAGE % OF INS. WITH DEFICIENCIES	AVERAGE NO. OF DEFICIENCY PER INSPECTION
	2012	2013	2014	TOTAL	2012	2013	2014	TOTAL	2012	2013	2014	TOTAL	2012	2013	2014	TOTAL			
Bulk Carrier	1,179	1,394	1,532	4,105	623	748	752	2,123	3,477	3,703	4,018	11,198	29	27	28	84	2.0	51.7	2.7
Chemical Tanker	276	306	296	878	136	163	149	448	674	719	776	2,169	4	1	3	8	0.9	51.0	2.5
Commercial Yacht	0	0	10	10	0	0	6	6	0	0	28	28	0	0	0	0	0.0	60.0	2.8
Container Ship	160	177	2	339	100	111	1	212	547	678	7	1,232	8	3	1	12	3.5	62.5	3.6
Gas Carrier	49	66	162	277	25	38	112	175	118	123	642	883	1	1	2	4	1.4	63.2	3.2
General Cargo/ Multi-purpose Ship	2,063	2,209	63	4,335	1,614	1,727	36	3,337	10,480	10,896	111	21,487	147	123	1	271	6.3	77.9	5.0
Heavy Load Carrier	5	8	2,129	2,142	2	6	1,548	1,556	5	25	10,175	10,205	0	0	94	94	4.4	72.6	4.8
High Speed Passenger Craft	5	9	5	19	5	9	2	16	32	55	12	99	3	0	0	3	15.8	84.2	5.2
Livestock Carrier	38	28	2	68	36	27	2	65	309	262	9	580	2	4	0	6	8.8	95.6	8.5
MODU and FPSO	1	1	36	38	0	1	35	36	0	7	251	258	0	0	1	1	2.6	94.7	6.8
NLS Tanker	11	7	3	21	6	1	2	9	14	11	8	33	0	0	0	0	0.0	42.9	1.6
Offshore Supply	13	8	6	27	9	3	3	15	34	13	10	57	0	0	0	0	0.0	55.6	2.1
Oil Tanker	515	552	16	1,083	231	232	7	470	816	998	27	1,841	2	6	0	8	0.7	43.4	1.7
Other Special Activities	59	66	558	683	50	48	224	322	334	258	952	1,544	8	5	5	18	2.6	47.1	2.3
Passenger Ship	17	32	50	99	6	16	37	59	29	85	199	313	0	0	3	3	3.0	59.6	3.2
Refrigerated Cargo Carrier	51	52	38	141	31	44	8	83	187	242	48	477	2	2	0	4	2.8	58.9	3.4
Ro-Ro Cargo Ship	75	80	18	173	65	66	15	146	496	643	46	1,185	4	10	0	14	8.1	84.4	6.8
Ro-Ro Passenger Ship	28	28	103	159	24	23	74	121	174	149	799	1,122	2	2	10	14	8.8	76.1	7.1
Special Purpose Ship	20	8	31	59	19	3	21	43	102	22	154	278	3	0	3	6	10.2	72.9	4.7
Tanker, not Otherwise Specified	0	0	4	4	0	0	3	3	31	0	8	39	0	0	0	0	0.0	75.0	9.8
Tugboat	20	22	25	67	7	20	12	39	0	69	65	134	0	0	0	0	0.0	58.2	2.0
Vehicle Carrier	0	6	2	8	0	4	1	5	0	9	4	13	0	0	0	0	0.0	62.5	1.6
Woodchip Carrier	0	2	1	3	0	1	1	2	0	2	1	3	0	0	0	0	0.0	66.7	1.0
TOTAL	4,607	5,080	5,092	14,779	3,002	3,306	3,051	9,359	17,926	19,022	18,350	55,298	215	184	151	550	3.7	63.3	3.7

Table 12 - Inspection Data by Deficiency (2012-2014)

NATURE OF DEFICIENCY	NUMBER OF DEFICIENCIES			PERCENT OF THE TOTAL DEFICIENCIES			AVERAGE NUMBER OF DEFICIENCIES PER INSPECTIONSx100			AVERAGE NUMBER OF DEFICIENCIES PER INSPECTIONS WITH DEFICIENCIESx100		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
Certificate and Documentation - Ship Certificates	1030	987	898	5,75	5,19	4,89	22,36	19,43	17,64	34,31	29,85	27,16
Certificate and Documentation - Crew Certificates	240	269	347	1,34	1,41	1,89	5,21	5,30	6,81	7,99	8,14	10,50
Certificate and Documentation - Documents	1092	1252	1395	6,09	6,58	7,60	23,70	24,65	27,40	36,38	37,87	42,20
Structural Conditions	733	687	634	4,09	3,61	3,46	15,91	13,52	12,45	24,42	20,78	19,18
Water/Weathertight Conditions	786	731	732	4,38	3,84	3,99	17,06	14,39	14,38	26,18	22,11	22,14
Emergency Systems	832	824	745	4,64	4,33	4,06	18,06	16,22	16,63	27,71	24,92	22,53
Radio Communications	947	1037	938	5,28	5,45	5,11	20,56	20,41	18,42	31,55	31,37	28,37
Cargo Operations Including Equipment	79	58	51	0,44	0,30	0,28	1,71	1,14	1,00	2,63	1,75	1,54
Fire Safety	1709	1744	1568	9,53	9,17	8,54	37,10	34,33	30,79	56,93	52,75	47,43
Alarms	109	73	46	0,61	0,38	0,25	2,37	1,44	0,90	3,63	2,21	1,39
Living and Working Conditions - Living Conditions	512	435	326	2,86	2,29	1,78	11,11	8,56	6,40	17,06	13,16	9,86
Living and Working Conditions - Working Conditions	2488	2208	1559	13,88	11,61	8,50	54,00	43,46	30,62	82,88	66,97	47,16
Safety of Navigation	2837	3401	3317	15,83	17,88	18,08	61,58	66,95	65,14	94,50	102,87	100,33
Life Saving Appliances	2405	2628	2509	13,42	13,82	13,67	52,20	51,73	49,27	80,11	79,49	75,89
Dangerous Goods	42	46	36	0,23	0,24	0,20	0,91	0,91	0,71	1,40	1,39	1,09
Propulsion and Auxiliary Machinery	1035	844	765	5,77	4,44	4,17	22,47	16,61	15,02	34,48	25,53	23,14
Pollution Prevention - Marpol Annex I	261	256	285	1,46	1,35	1,55	5,67	5,04	5,60	8,69	7,74	8,62
Pollution Prevention - Marpol Annex II	8	12	11	0,04	0,06	0,06	0,17	0,24	0,22	0,27	0,36	0,33
Pollution Prevention - Marpol Annex III	6	5	3	0,03	0,03	0,02	0,13	0,10	0,06	0,20	0,15	0,09
Pollution Prevention - Marpol Annex IV	65	69	69	0,36	0,36	0,38	1,41	1,36	1,36	2,17	2,09	2,09
Pollution Prevention - Marpol Annex V	73	308	214	0,41	1,62	1,17	1,58	6,06	4,20	2,43	9,32	6,47
Pollution Prevention - Marpol Annex VI	56	77	24	0,31	0,40	0,13	1,22	1,52	0,47	1,87	2,33	0,73
Pollution Prevention - Anti Fouling	3	5	4	0,02	0,03	0,02	0,07	0,10	0,08	0,10	0,15	0,12
ISM	424	488	523	2,37	2,57	2,85	9,20	9,61	10,27	14,12	14,76	15,82
Other	154	124	131	0,86	0,65	0,71	3,34	2,44	2,57	5,13	3,75	3,96
Labour Conditions-Minimum Requirements for Seafarers		3	7	0,00	0,02	0,04	0,00	0,06	0,14	0,00	0,09	0,21
Labour Conditions - Conditions of Employment		13	37	0,00	0,07	0,20	0,00	0,26	0,73	0,00	0,39	1,12
Labour Conditions - Accommodation Recreational Facilities, Food & Catering		44	88	0,00	0,23	0,48	0,00	0,87	1,73	0,00	1,33	2,66
Labour Conditions - Health Protection, Medical Care, Social Security		394	1088	0,00	2,07	5,93	0,00	7,76	21,37	0,00	11,92	32,91
TOTAL	17926	19022	18350	100,00	100,00	100,00	389,10	374,45	360,37	597,14	575,38	555,05



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