

PORT STATE CONTROL INSPECTION STATISTICS REPORT 2021

This presents the summary of the Port State Control Inspection Statistics Report for the year 2021, the period signifying notable easing of restrictions on movement caused by the pandemic that ravaged the world since 2019.

Inspections

In 2021 only thirteen (13) member States out of twenty-two (22) member States in the Abuja MoU region submitted PSC inspection reports, with a total number of 64,943 ship calls. These member states are:

Member States	Number of Inspections
Benin	267
Republic of Congo	258
Cote d'Ivoire	149
Gabon	221
The Gambia	26
Ghana	180
Guinea	107
Liberia	71
Nigeria	846
Senegal	229
Sierra Leone	41
South Africa	147
Togo	63

The number of Maritime Administrations that submitted PSI reports for 2021 reduced to thirteen from fourteen in the previous year. The Democratic Republic of Congo submitted its PSC inspection report in 2020 but did not submit it for 2021. The following full members are yet to submit inspection reports to Abuja MoU since attaining full membership: Angola, Cameroon, Cape Verde, and Guinea-Bissau. Sao Tome & Principe submitted only one PSCI report since attaining full membership.

In summary, 2,605 inspections were conducted and 23 of these vessels were detained for deficiencies, resulting in a 156%

increase in the number of detentions recorded in 2021, compared to 9 detentions recorded in 2020. The detention percentage per inspection of 0.88% in 2021 gives a 126% increase above the 0.39% recorded in 2020. The spread of one deficiency for every 2.5 inspections in 2020 decreased to 2.1 inspections per deficiency in 2021. The region recorded an 11.5% increase in inspections from 2,337 in 2020 to 2,605 in 2021. Therefore, the regional inspections percentage per ship calls are 4.48% and 4.01% in 2020 and 2021 respectively.

Inspections Per Ship Types

Twenty-three (23) ship types were inspected in the year under review. The top eight most inspected ship types conclude:

- Bulk Carriers 1115 (42.8%),
- Container Ships 435 (16.7%),
- General Cargo/Multipurpose Vessels 278 (10.7%),
- Oil Tankers 211 (8.1%),
- Refrigerated Cargo Vessels 164 (6.3%),
- Combination Carrier 110 (4.2%),
- Ro-Ro Cargo 77 (2.95%) and;
- Chemical Tankers 47 (1.8%)



PSCO INSPECTING THE RUDDER STOCK CASING IN THE STEERING GEAR ROOM

The 15% commitment of inspection expected in the region is 9,741.45 of the total ship calls of 64,943. No member States achieved the inspection commitment/performance target per ship calls in 2021. Six (6) member States that recorded an actual numerical increase in PSC inspections over the previous year were: Benin (191 to 267), Ghana (156 to 180), Liberia (21 to 71), Nigeria (634 to 846), Senegal (202 to 229), and Sierra Leone (6 to 41).

Overall, the performance percentage inspection by Member States for the year 2021 is 4.01%, which is far below the target of 15% for the region, and as against the year 2020, which was 4.48%. However, there is a remarkable improvement in the number of inspections carried out in the region despite the reduced number of States (13) that did submit PSC inspections.

Deficiencies and Detentions

A total of 1,274 deficiencies were recorded in 2021 which is higher than the 973 recorded in 2020. Correspondingly, the total number of 272 inspections with deficiencies is higher than the 252 figures for 2020. The percentage of inspections with deficiencies of 10.4% in 2021 is a 3.7% decrease below the 2020 figures of 10.8%. The analysis of this result shows an upward trend in the number of inspections with deficiencies detected and detentions recorded, despite the number of States who submitted reports for 2021. Concerning the categories of deficiencies, the most deficiencies were recorded on:

- Ship's certificates and documents 169 (13.27%);
- Living and Working conditions 152 (11.93%);
- Fire safety 138 (10.83%);
- Structural conditions 137 (10.75%);
- Propulsion and Auxiliary Machinery 124 (9.73%);
- Safety of Navigation 106 (8.32%);
- Life-saving appliances 68 (5.34%);
- Emergency Systems 65 (5.1%)

It is noteworthy that one deficiency out of every eight deficiencies recorded was related to Ships' certificates and documents, which is 13.27% of all deficiencies recorded. Under SOLAS the topmost defective item recorded is Fire Safety (10.83%) followed by Structural Conditions (10.75%), Propulsion and Auxiliary Machinery (9.73%), Safety of Navigation (8.32%), and Life-Saving Appliances (5.32%). A total of 99 (7.8%) deficiencies were recorded under MARPOL with the top three being – Annex I 45(3.53%), Annex IV 34(2.67%) and Annex VI 12 (0.94%).

A total of 272 of the inspections conducted generated 1,274 deficiencies. The most notable deficiencies were related to:

- Ship's certificates and documents 13.27%;
- SOLAS Convention 57.1%;
- MARPOL Convention 7.8%;
- STCW Convention 2.2%;
- Load Line Convention 2.75%;
- ILO (MLC, 2006) 12.9%.

Against the backdrop of the relevant instruments for the Abuja MoU PSC regime, SOLAS related deficiencies still rank the highest with 57.1% of all deficiencies recorded. The total number of detentions



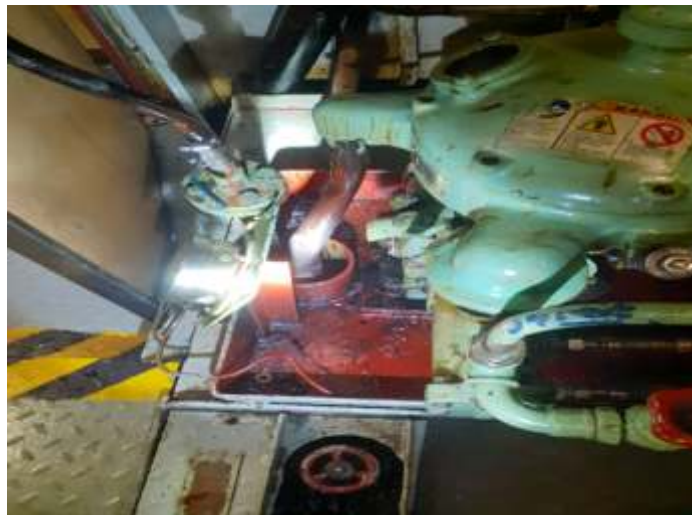
PSCO INSPECTING THE HYDROSTATIC RELEASE UNIT ATTACHED TO THE LIFE RAFT

increased to twenty-three (23) from the 2020 figures of 9. The detentions recorded were: 39.1% for General Cargo/ Multipurpose; 17.4% for Bulk Carrier; 8.7% for Oil Tanker; 4.3% for 13.0% for Container ship; and 4.3% each for Refrigerated cargo ship, Special purpose Ship, Offshore Supply, Chemical Tanker and Tugboat.

Inspection Reports and AMIS Database

Eleven States - Benin, Congo, Cote d'Ivoire, Gambia, Ghana, Guinea, Liberia, Nigeria, Senegal, Sierra Leone and South Africa uploaded PSC inspection reports directly into

the AMIS database. One of the challenges in the Abuja MoU region is the uploading of PSC inspections immediately after the PSC Officers have visited the vessels. Considering that one of the purposes of the AMIS database is to assist PSCOs conduct an initial online search on the visiting ships, Member States are encouraged to input inspection results directly into the AMIS database immediately after an inspection is completed.



PICTURES OF DEFICIENCIES IDENTIFIED

STATISTICS FOR 2021 PORT STATE CONTROL INSPECTIONS

TABLE 1: Inspection Data by Authority

TABLEAU 1: Données d'Inspection par Autorités

Authority	No. of Inspections	No. of Detailed Inspections	No. of Inspections with Deficiencies	No. of deficiencies	Percentage of Inspections with Deficiencies	No. of detentions	Detention percentage
Benin	267						
Republic of Congo	258						
Cote d'Ivoire	149						
Gabon	221						
Gambia	26		2	9	7.69		
Ghana	180	5	107	606	59.44	5	2.78
Guinea	107						
Liberia	71	1	4	18	5.63	1	1.41
Nigeria	846	7	104	408	12.29	7	0.83
Senegal	229	6	19	101	8.3	6	2.62
Sierra Leone	41		4	9	9.76		
South Africa	147	4	32	123	21.77	4	2.72
Togo	63						
TOTAL	2605	23	272	1274	10.44	23	0.88

CHART 1: Percentage of Inspections by Member States with Commitment in 2021.

Diagramme 1: Pourcentage d'inspections effectuées par les États membres par rapport à l'objectif de performance d'inspection fixé en 2021.

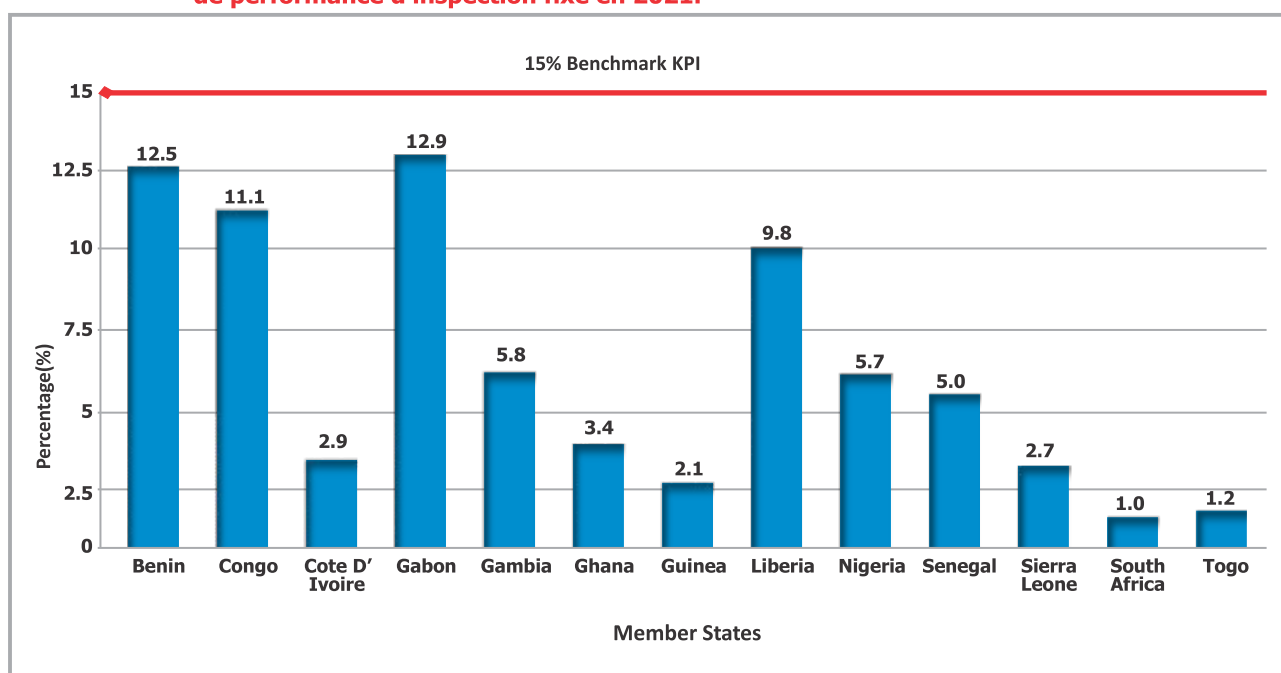


CHART 2: Ratio of Total Inspections

Diagramme 2: Ratio d'Inspections Total

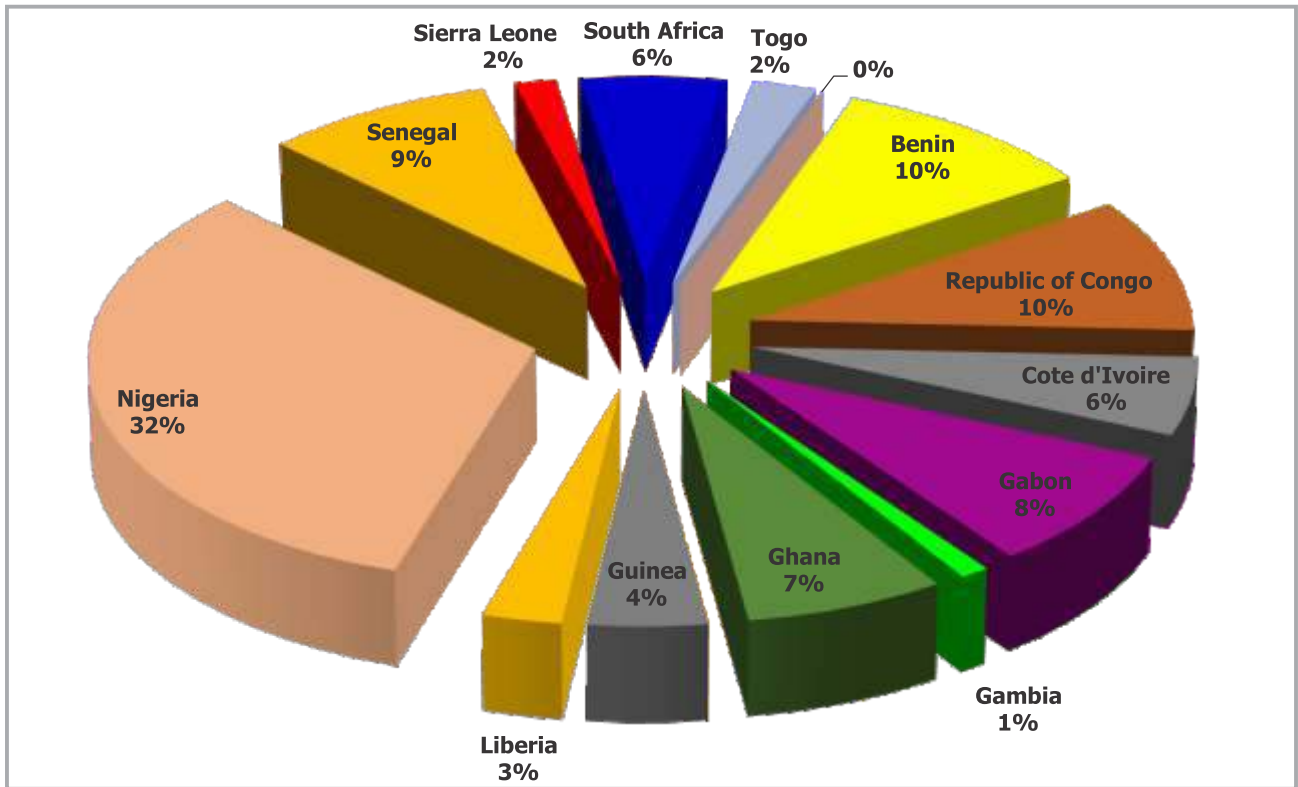


CHART 3: Ratio of Inspections with Deficiencies

Diagramme 3: Ratio d' Inspections avec Défectuosités

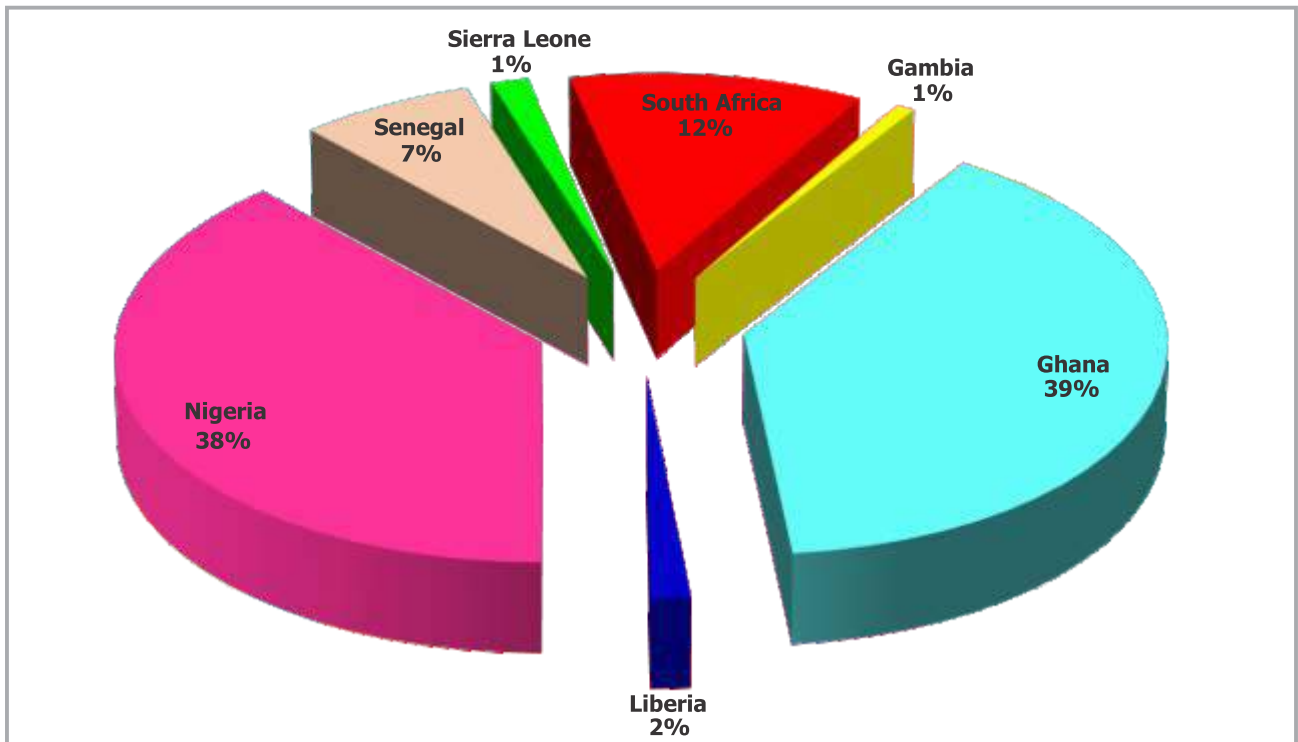


CHART 4: Total Inspections, Deficiencies and Detentions

Diagramme 4: Inspections totales, Défectuosités et Immobilisation

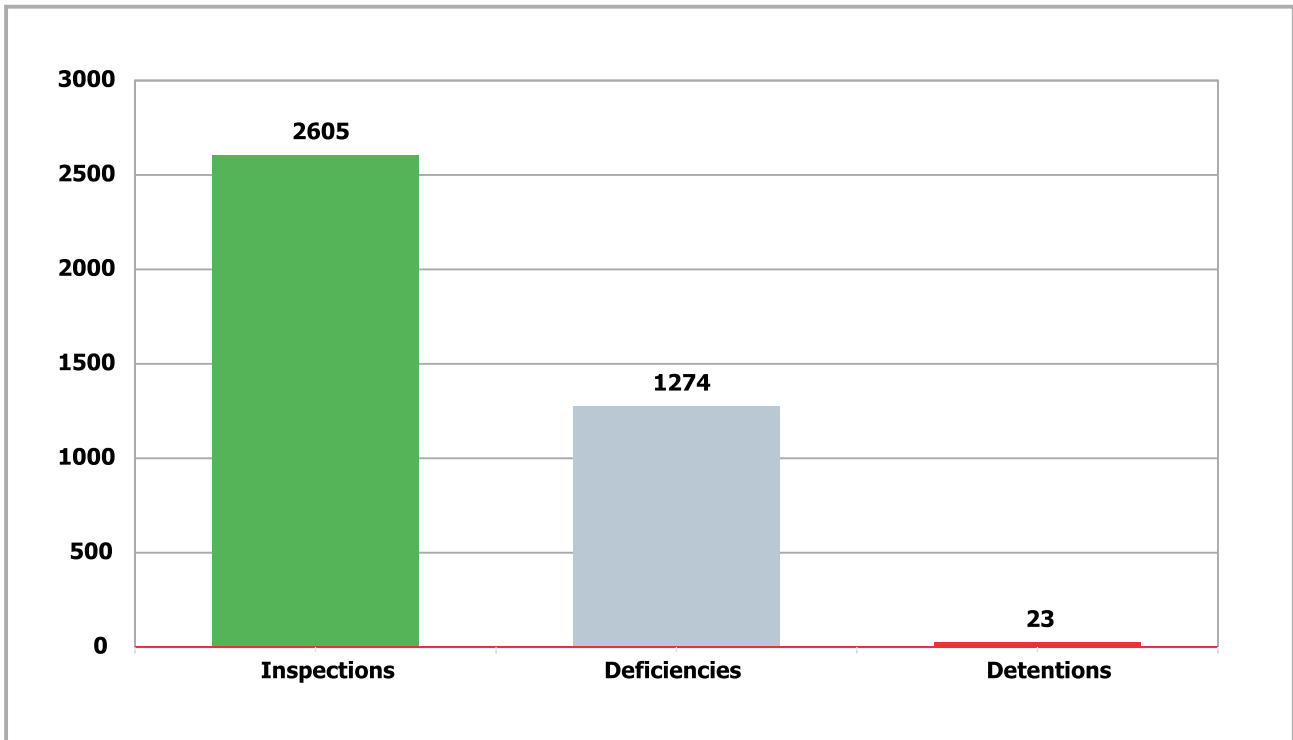


CHART 5: Total Inspections and number of Inspections with deficiencies

Diagramme 5: Nombre des Inspections et Nombre d'Inspections avec Défectuosités

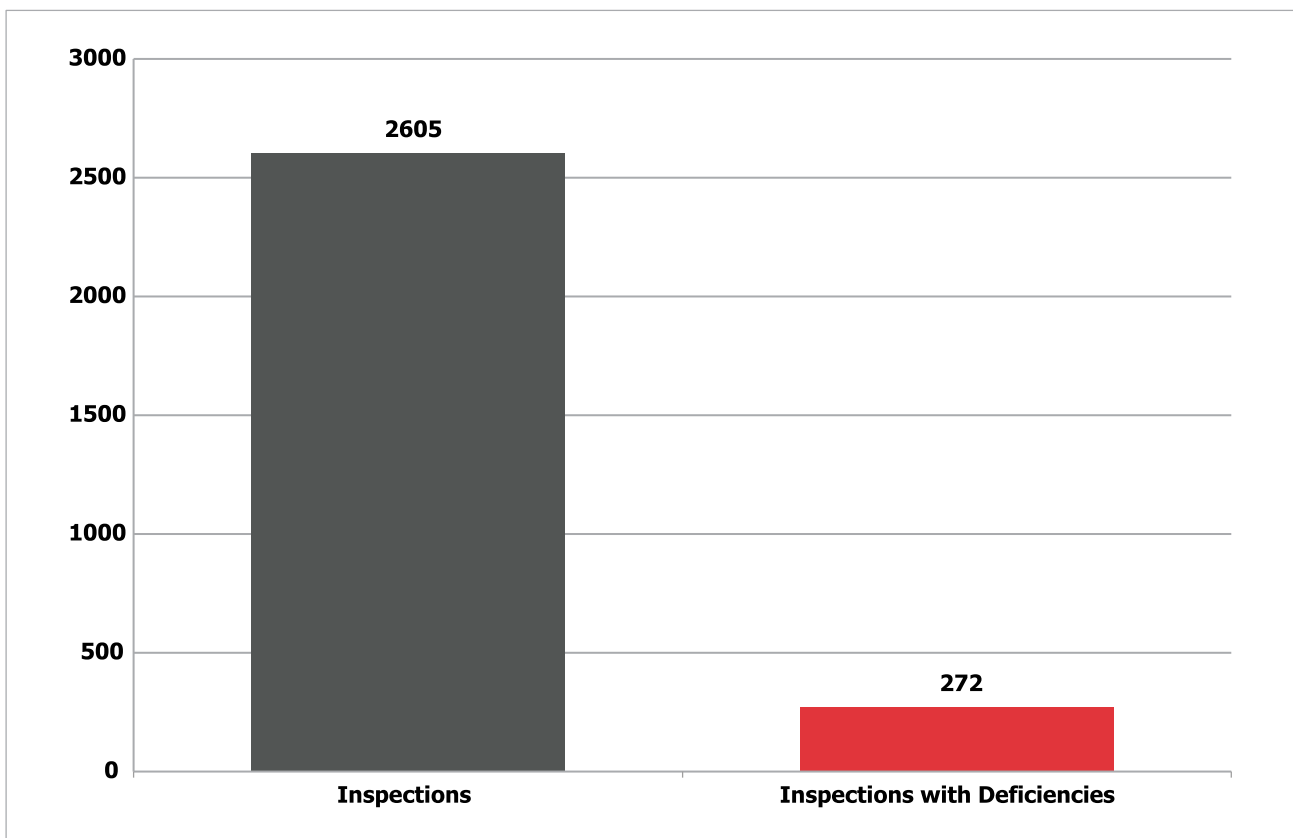


CHART 6: Number of Inspections with Detention Percentage

Diagramme 6: Nombre d' Inspections avec Pourcentage d'Immobilisation

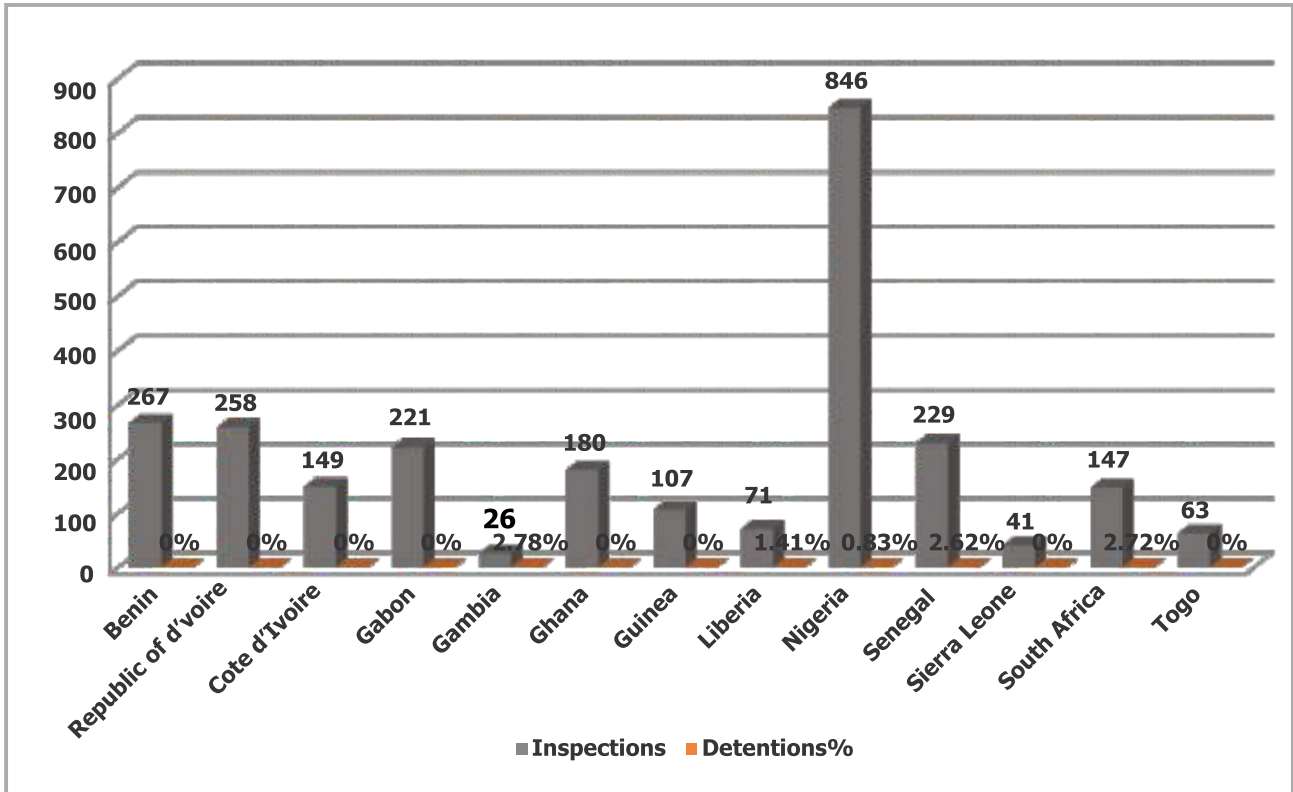


CHART 7: Percentage of Detentions (Detentions as percentage of Total Inspections)

Diagramme 7: Pourcentage et d'Immobilisation (Immobilisations en pourcentage du nombre total d'inspections)

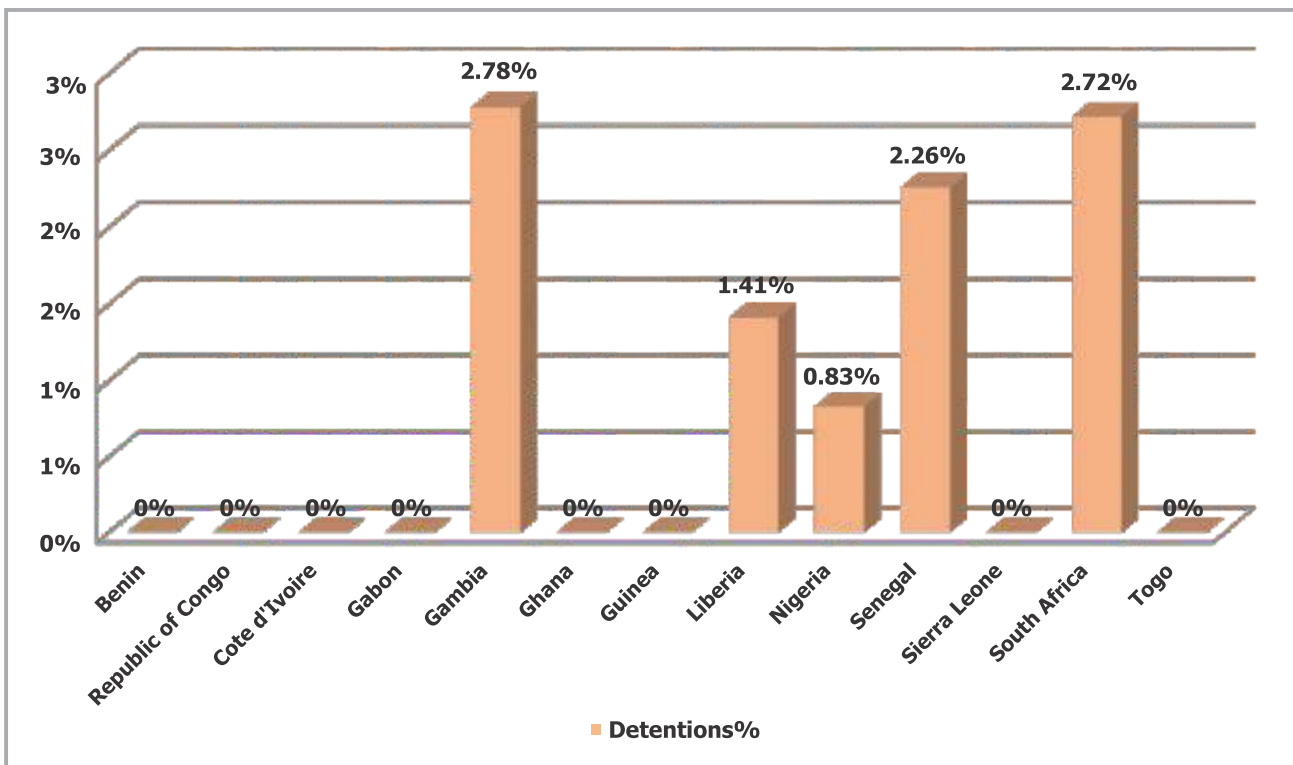


TABLE 2: Inspection Data by Flag TABLEAU 2: Données d'Inspection par pavillon						
Ship flag	No. of Inspections	No. of Inspections with Deficiencies	No. of Deficiencies	Percentage of Inspections with Deficiencies	No. of Detentions	Detention Percentage
Algeria	1					
Antigua and Barbuda	50	1	2		1	0.97
Bahamas	103	13	56	12.62	1	3.7
Barbados	27	2	4	7.41		
Belgium	12					
Belize	15	2	2	13.33		
Bermuda (GB)	1					
Bolivia	1	1	2	100		
Brazil	1					
Cameroon	8	4	36	50	1	12.5
Canada	1					
Cayman Islands (GB)	14					
China	17					
Comoros	3	3	35	100	1	33.33
Cook Islands	4					
Croatia	3					
Curacao	12	3	17	25		
Cyprus	68	7	16	10.29		
Denmark	37	3	8	8.11		
Dominica	3	2	14	66.67		
Equatorial Guinea	1					
Faroe Islands	3					
Finland	1	1	3	100		
France	12	4	10	33.33		
Georgia	1					
Germany	9	2	10	22.22		
Ghana	2	2	17	100	1	50
Gibraltar (GB)	10	2	5	20		
Greece	51	1	1	1.96	1	1.96
Guinea-Bissau	2	2	10	100		
Guyana	2	2	17	100		
Honduras	1	1	5			
Hong Kong, China	194	20	80	10.31	1	0.52
Isle of Man (GB)	12	3	14	25		
Italy	47	3	9	6.38		
Jamaica	2					
Japan	1					
Korea, Republic of	2	1	1	50		
Kuwait	1					
Lao People's Democratic Republic	2					
Lebanon	1					
Liberia	467	40	150	8.57	1	0.21
Lithuania	4					
Luxembourg	2					

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Malaysia	1	1	1	100		
Malta	191	18	80	9.42	3	1.57
Marshall Islands	476	36	165	7.56	1	0.21
Mauritius	1	1	1	100		
Moldova, Republic of	8	1	11	12.5		
Mongolia	1	1	9	100		
Montenegro	2					
Netherlands	23	4	17	17.39	1	4.35
Nigeria	3	3	34	100	1	33.33
Norway	19	2	6	10.53		
Pakistan	2					
Palau	6	2	5	33.33		
Panama	368	47	223	12.77	5	1.36
Paraguay	1					
Philippines	6					
Portugal	47	1	4	2.13		
Qatar	3					
Russian Federation	12	4	14	33.33		
Saint Kitts and Nevis	2					
Saint Vincent and the Grenadines	16					
Saudi Arabia	1					
Singapore	143	10	57	6.99	0	0.7
Spain	1					
Sweden	2					
Switzerland	5	1	4	20		
Thailand	8	1	2	12.5		
Togo	11	7	91	63.64	3	27.27
Turkey	7					
Tuvalu	5	3	4	60		
United Arab Emirates	1	1	13	100		
United Kingdom	5					
Vanuatu	12	3	9	25		
Vietnam	5					
TOTAL	2605	272	1274	10.44	23	0.88

CHART 8: Flag State Performance Showing Inspections, Inspections with Deficiencies and Number of Deficiencies

Diagramme 8: Performance des Etats Pavillons montrant les Inspections, Inspections avec Défectuosités et nombre de Défectuosités

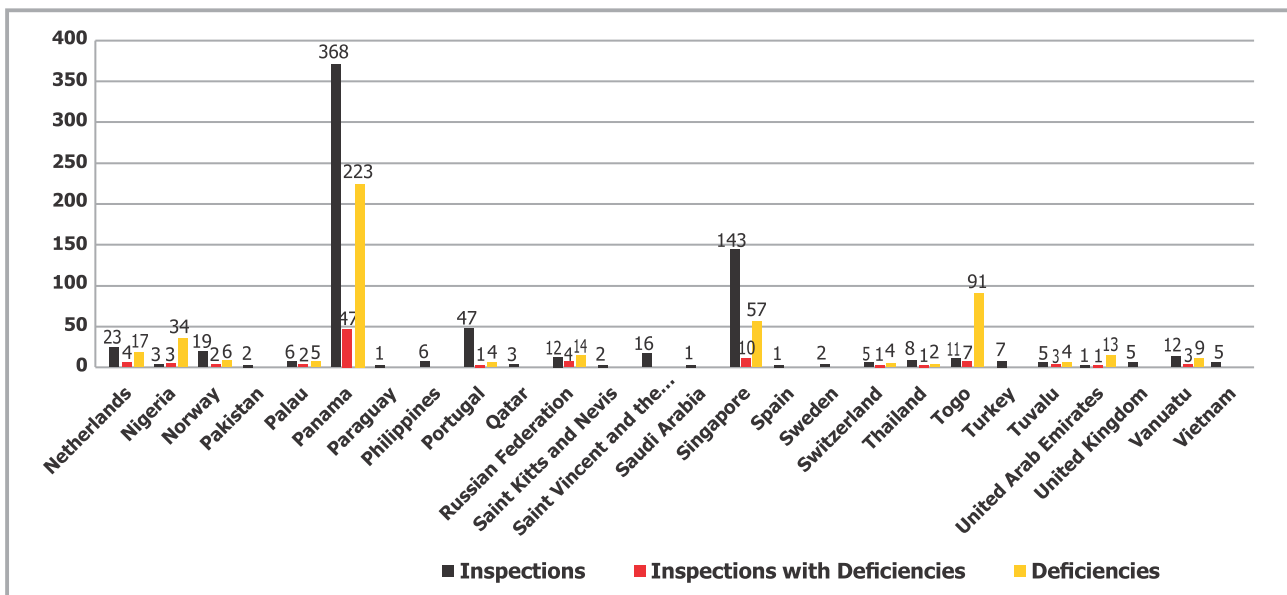
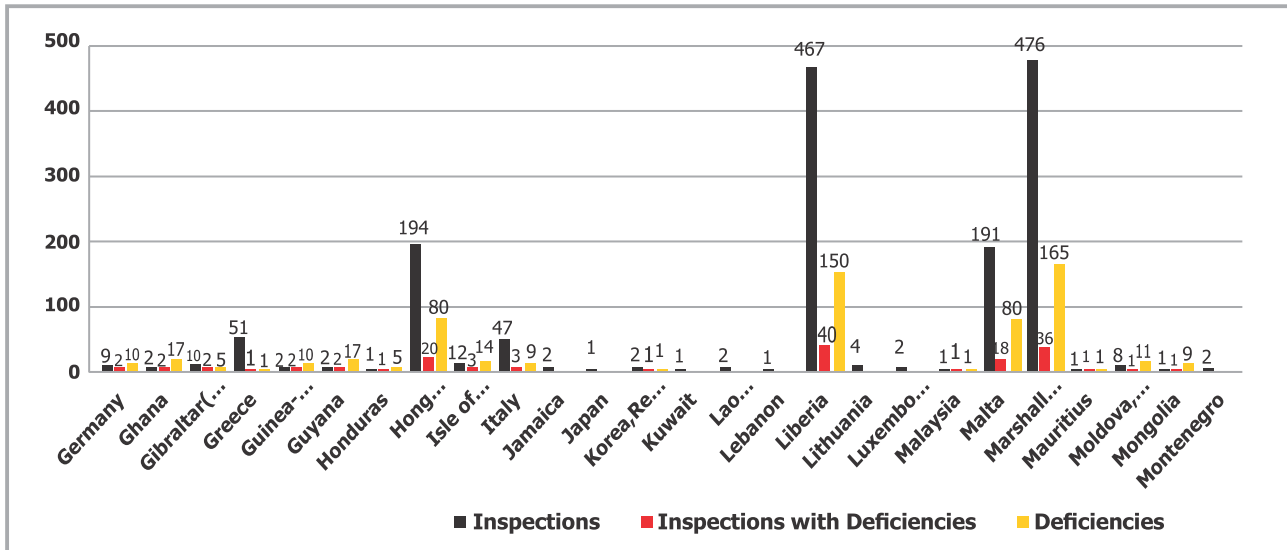
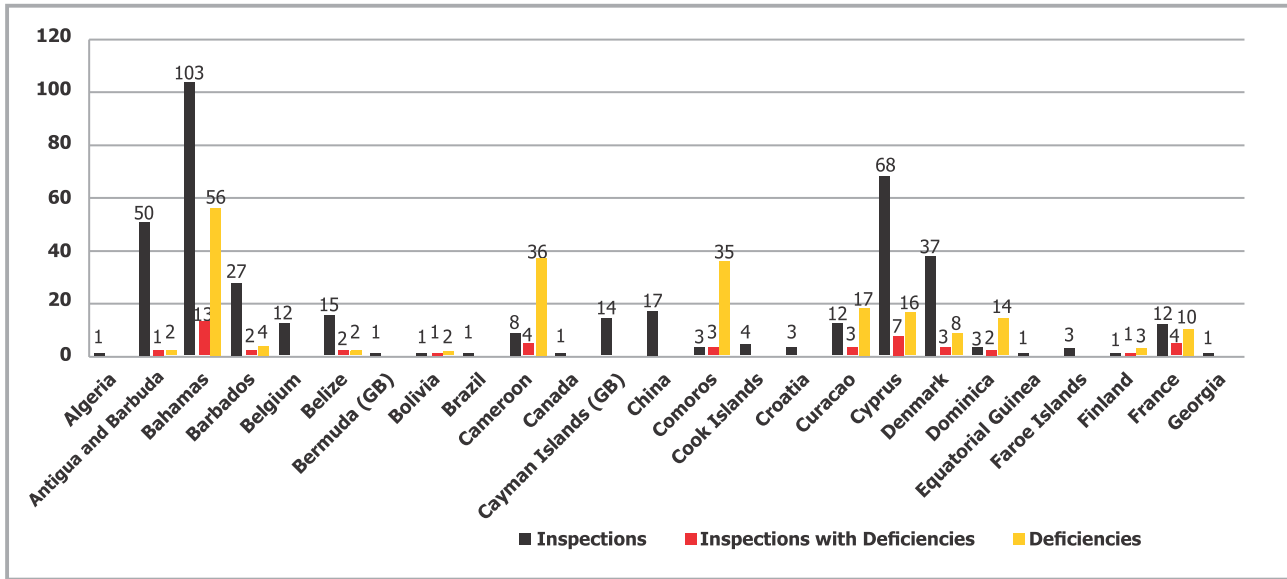
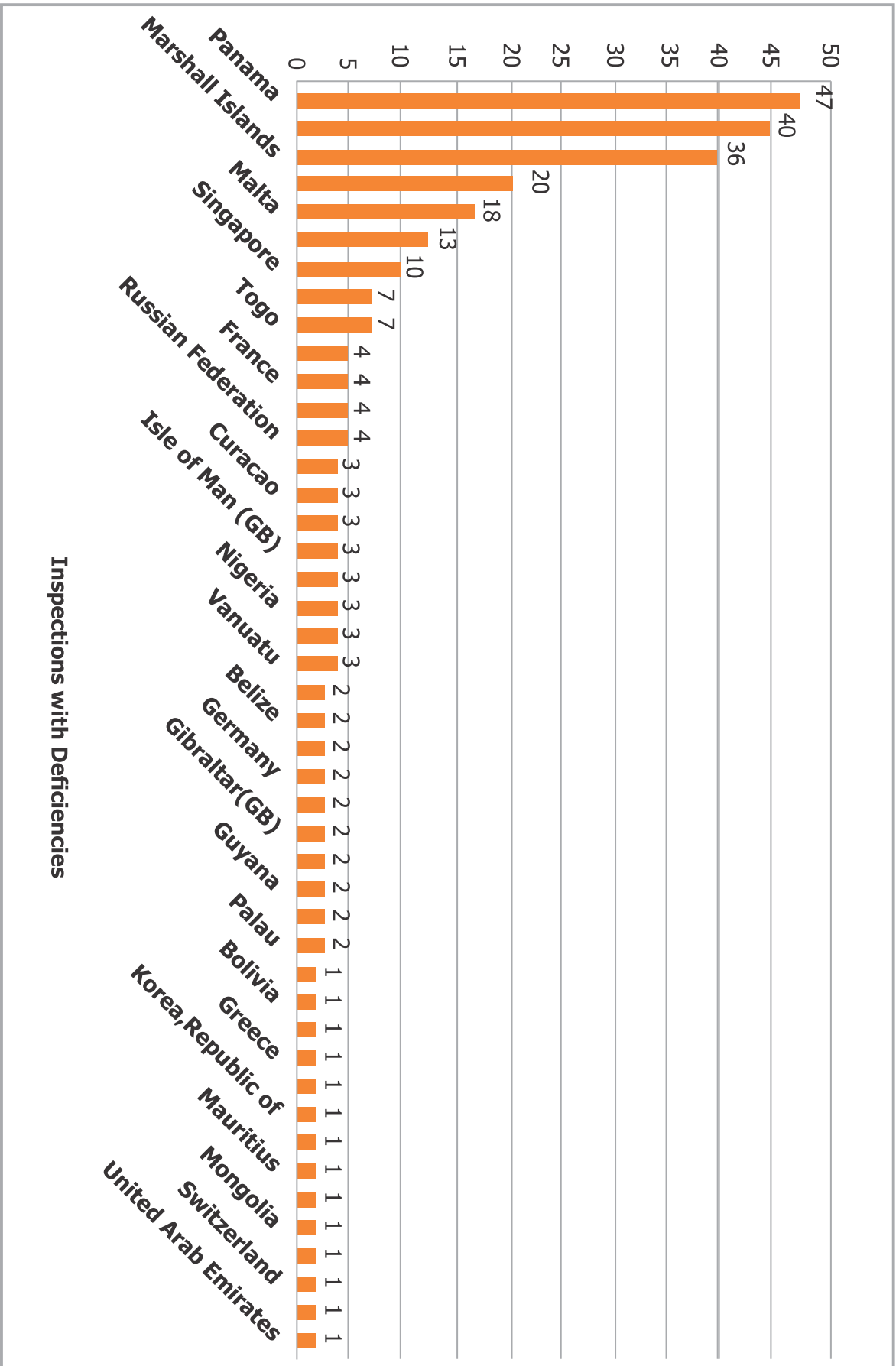


CHART 9: Inspections with Deficiencies by Flag
Diagramme 9: Inspections avec Défectuosités par Pavillon



Inspections with Deficiencies

TABLE 3: Inspection Data by Ship Type						
TABLEAU 3: Données d'Inspection par Type de Navire						
Ship Type	No. of Inspections	No. of Inspections with Deficiencies	No. of Deficiencies	Percentage of Inspections with Deficiencies	No. of Detentions	Detention percentage
Bulk carrier	1115	102	453	9.15	4	0.36
Combination carrier	110	6	9	5.45		
Container	435	46	184	10.57	3	0.69
Chemical tanker	47	7	22	14.89	1	2.13
Fish factory	2					
Gas carrier	19	2	5	10.53		
G.cargo/multipurpose	278	44	260	15.83	9	3.24
Heavy Load	2					
Livestock carrier	2	1	5	50		
Offshore supply	36	10	51	27.78	1	2.78
Oil tanker	211	13	102	6.16	2	0.95
OILCHEM	54	4	15	7.41		
Oil tanker/Gas carrier (OILGAS)	1					
Gas Carrier/NLS tanker (GASNLS)	7	1	5	14.29		
Passenger Ship	3	1	7	33.33		
Refrigerated cargo	164	20	91	2.2	1	0.61
Ro-Ro cargo	77	4	13	5.19		
Ro-Ro passenger ship	2					
Special purpose ship	8	6	25	75	1	12.5
Tugboat	7	3	17	42.86	1	14.29
Vehicle carrier	13	2	10	15.38		
Woodchip carrier	1					
Other special Activities	11					
TOTAL	605	272	1274	10.44	23	0.88

CHART 10: Ratio of Inspections with Deficiencies by Ship Type

Diagramme 10: Ratio des Inspections avec Défectuosités par type de Navire

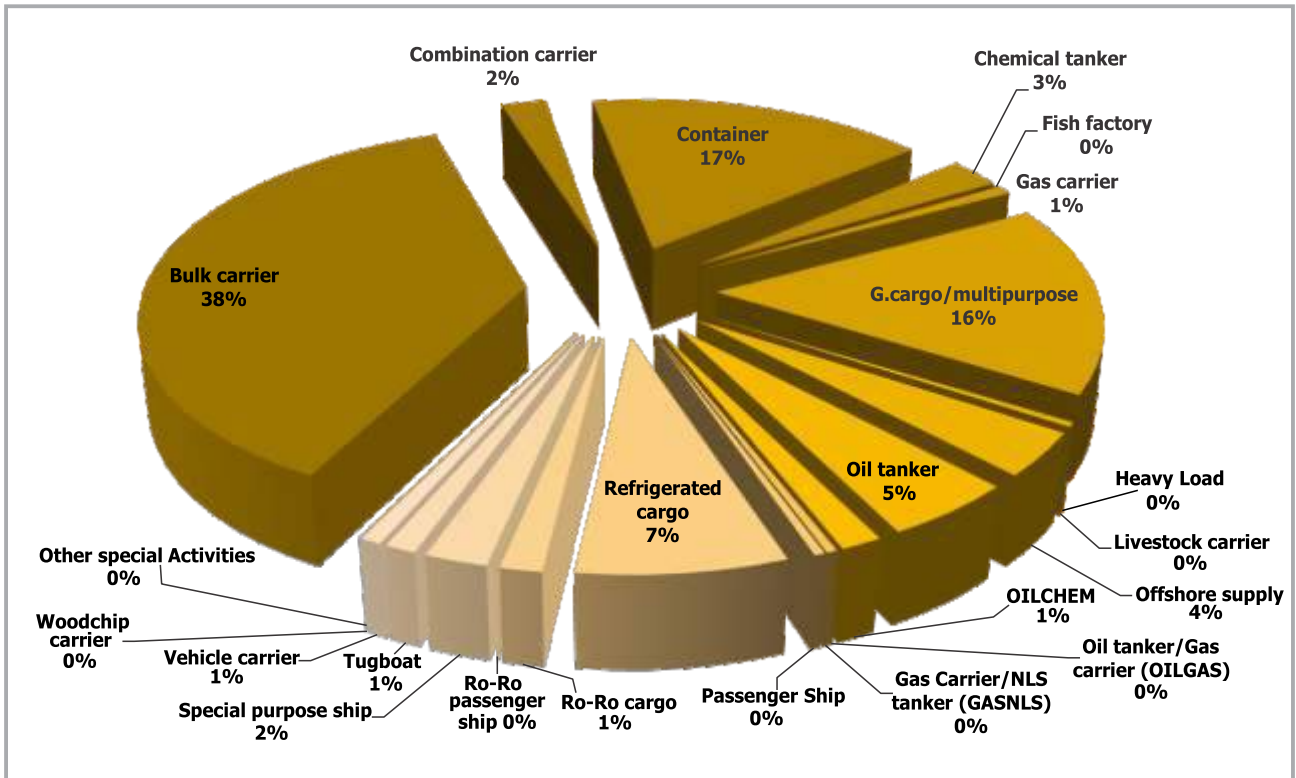


CHART 11: Number of individual Ships with Deficiencies Detected by Vessel Type
Diagramme 11: Nombre de Navires Individuels avec Défectuosités Détectées par type de navire

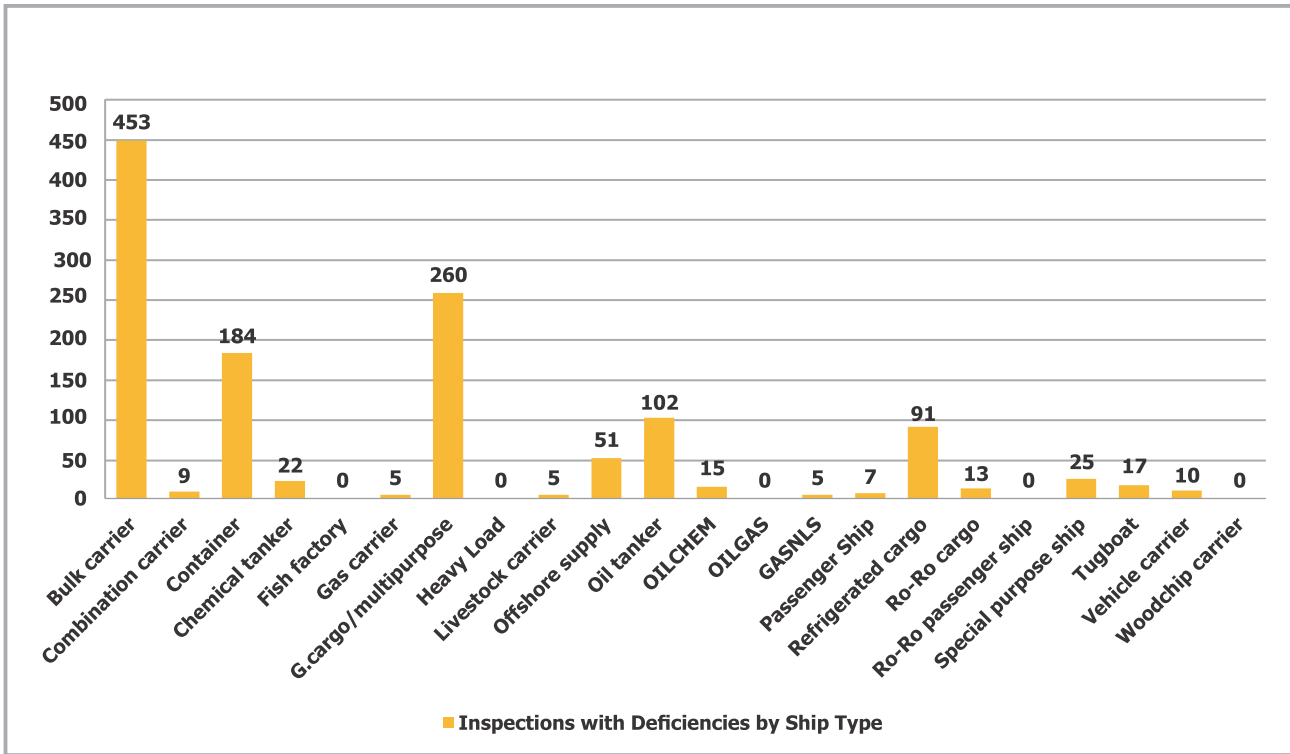


CHART 12: Number of Deficiencies per Inspection
Diagramme 12: Nombre de Défectuosités par Inspection

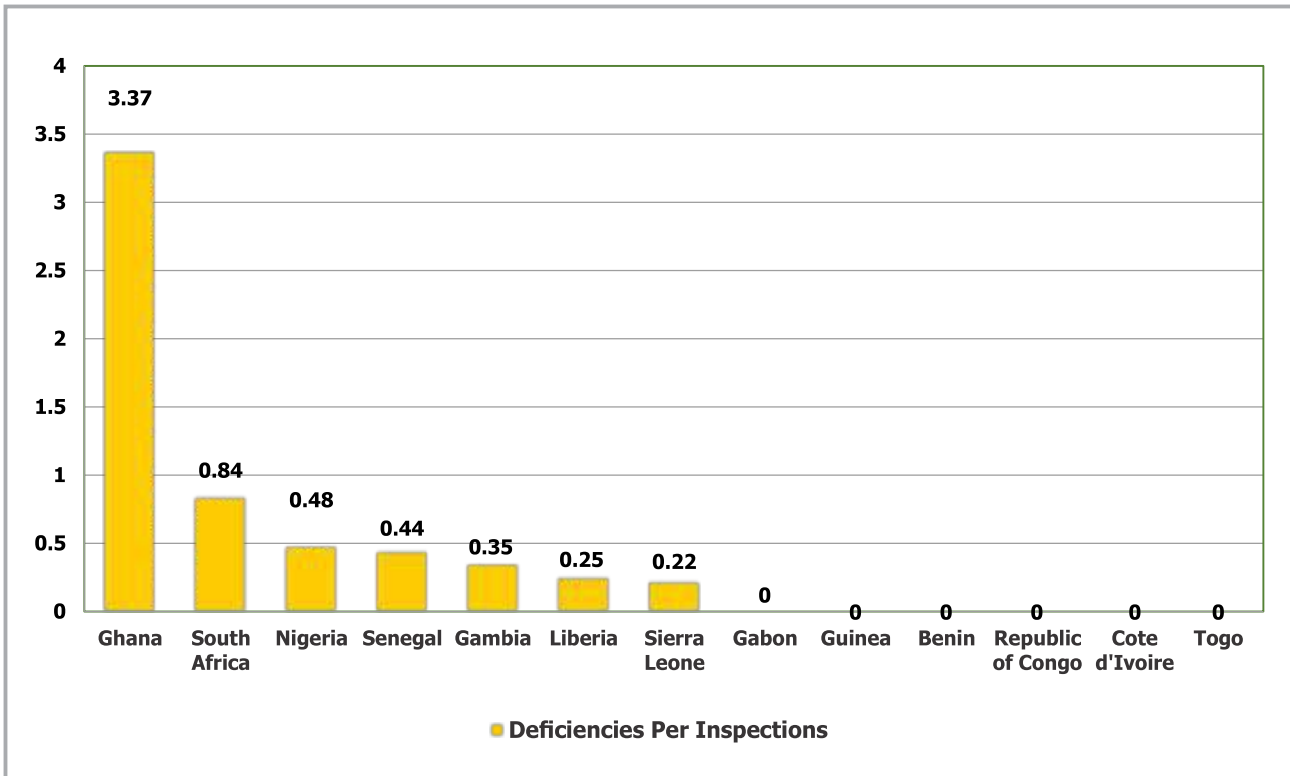


CHART 13: Performance by Ship Type Showing Inspections, Inspections with Deficiencies and Number of Deficiencies
 Diagramme 13: Performance par Type de Navire montrant les Inspections, Inspections avec Défectuosités et Nombre de Défectuosités

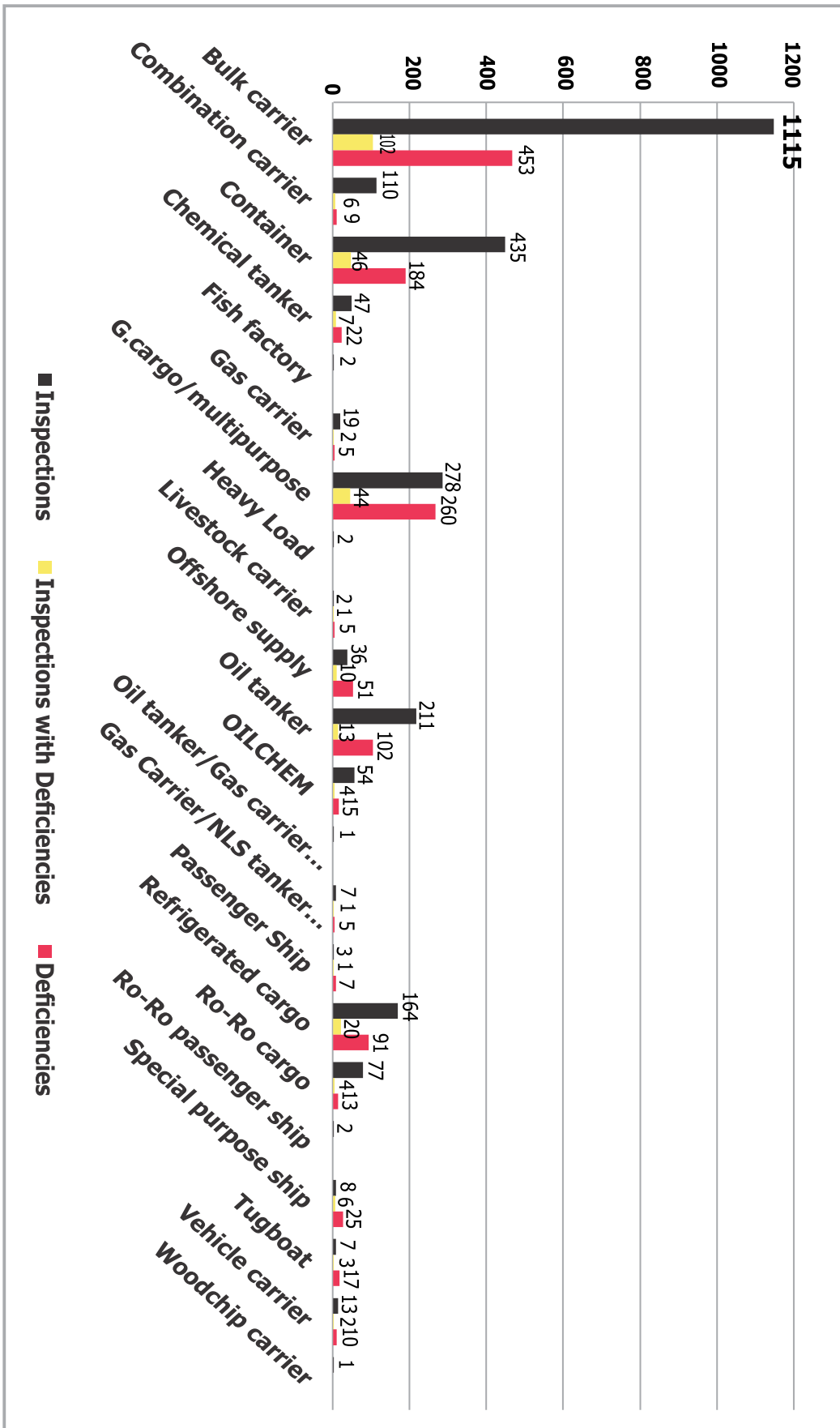


CHART 14: Performance by Ship Type Showing Inspections with Deficiencies and Number of Deficiencies
Diagramme 14: Performance par Navire montrant Inspections avec Défectuosités et Nombre de Défectuosités

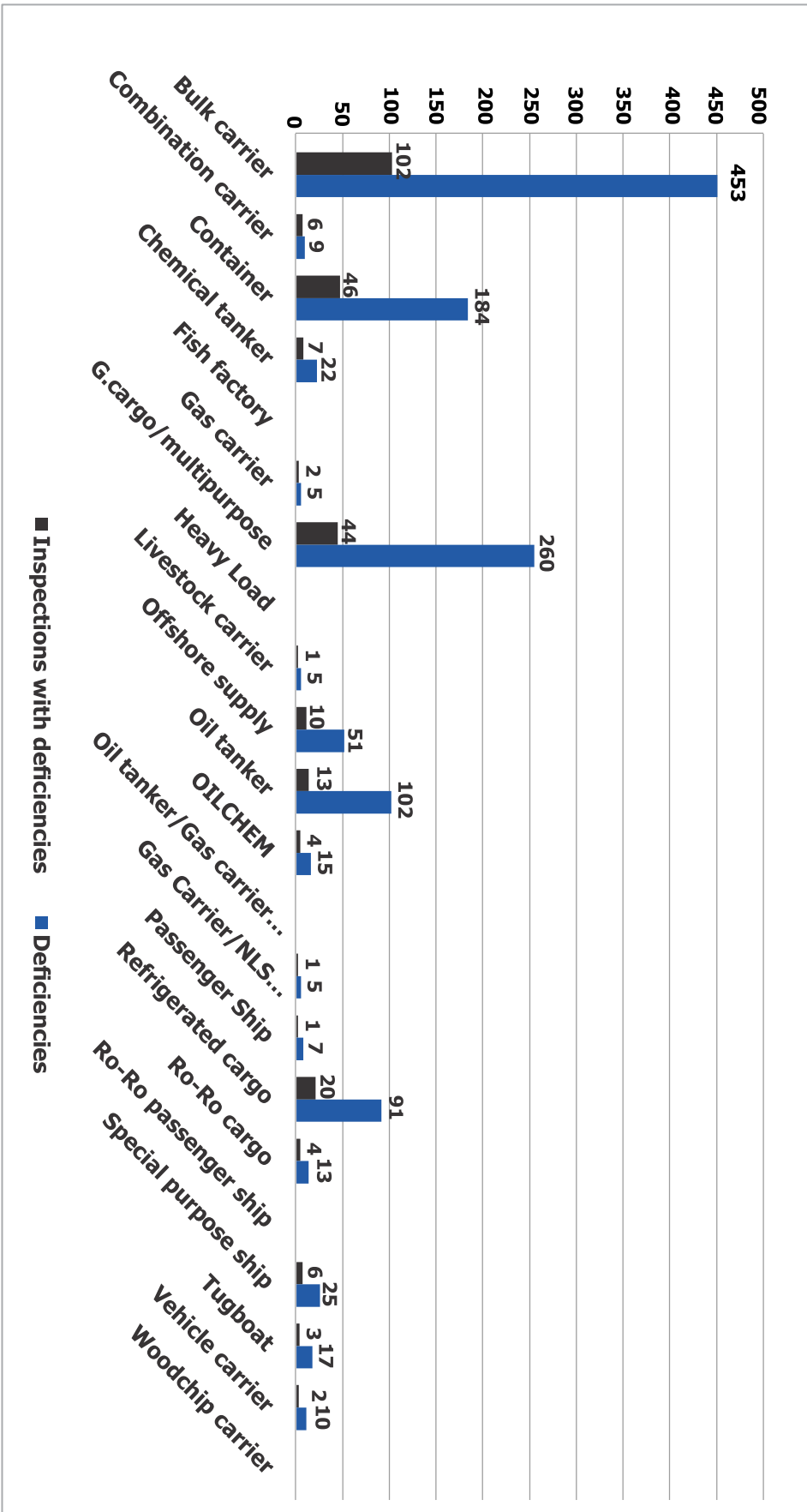


TABLE 4: Inspection Data per Category of Deficiency			
TABLEAU 4: Données d' Inspection par Catégorie de Défectuosités			
Category of Deficiency		Number of Deficiency	Percentage of Total Deficiencies
Ship's certificates and documents		169	13.27
SOLAS	Structural Conditions	137	10.75
	Emergency Systems	65	5.1
	Radio Communications	34	2.67
	Fire safety	138	10.83
	Alarms	15	1.18
	Cargo Operation including equipment	7	0.55
	Safety of Navigation	106	8.32
	Life saving appliances	68	5.34
	Propulsion and auxiliary machinery	124	9.73
	ISM	25	1.96
	ISPS	8	0.63
MARPOLS	Annex I	45	3.53
	Annex II	1	0.08
	Annex III	4	0.31
	Annex IV	34	2.67
	Annex V	3	0.24
	Annex VI	12	0.94
STCW	Certificate and Documentation - Crew Certificates	28	2.2
Load Lines	Water/Weather tight conditions	35	2.75
ILO-MLC 2006	Living and Working Conditions	152	11.93
	Labour Conditions-Conditions of employment	2	0.16
	Labour Conditions-Accommodation, recreational facilities, food and catering	9	0.71
	Labour Conditions-Health protection, medical care, social security	1	0.08
Other		52	4.08

TABLE 5: INSPECTION DATA BY CLASSIFICATION SOCIETY						
Tableau 5: Donnees d'Inspection par Société de Classification						
Classification	Class Code	No. of Inspections	No. of Inspections with	No. of Deficiencies	No. of Detentions	Detention Percentage
American Bureau of Shipping	ABS	288	21	87	3	1.04
Alpha Register of Shipping	ABS	1	1	11		
Bureau Veritas	BV	432	46	198	7	1.62
Cyprus Bureau of Shipping		1				
CR Classification Society (CCRS)		1				
China Classification Society	CCS	101	7	24		
Croatian Register of Shipping		3				
Det Norske Veritas	DNV	76	15	66	2	2.63
DNV GL AS		434	39	140	2	0.46
Dromon Bureau of Shipping		7	2	41	1	14.29
Germanischer Lloyd	GL	9				
Honduras Bureau of Shipping		1	1	4		
Honduras Maritime Inspection Inc.		1	1	5		
International Naval Surveys Bureau	INSB	11	5	33		
Indian Register of Shipping		13	3	10		
International Register of Shipping		10	4	31	1	10
Korean Register	KR	74	5	18		
Lloyd's Register	LR	354	40	174		
Macosnar Corporation		1	1	5		
Nippon KaijiKyokai	NKK	570	47	207	3	0.53
No Class		11	6	66	1	9.09
Overseas Marine Certification Sevices		1				
Panama Shipping Registrar Inc.		3				
Phoenix Register of Shipping	PRS	1				
Polski Rejestr Statkow (Polish Register of Shipping)	PRS	11	1	3		
Registro Italiano Navale	RINA	136	10	28		
Naval, S. ARegistro Internacional		1				
Russian Maritime Register of Shipping Singclass	RMRS	37	7	24		
International		1	1	9		
Universal Shipping Bureau Inc.	USB	1				
Vietnam Register of Shipping	VRS	2	1	5		
Other		12	8	85	3	25
TOTAL		2605	272	1274	23	0.88

CHART 15: Inspections with Deficiencies and Total Inspections by Classification Society

Diagramme 15: Inspections avec Défectuosités et Inspection Totale par Société de Classification

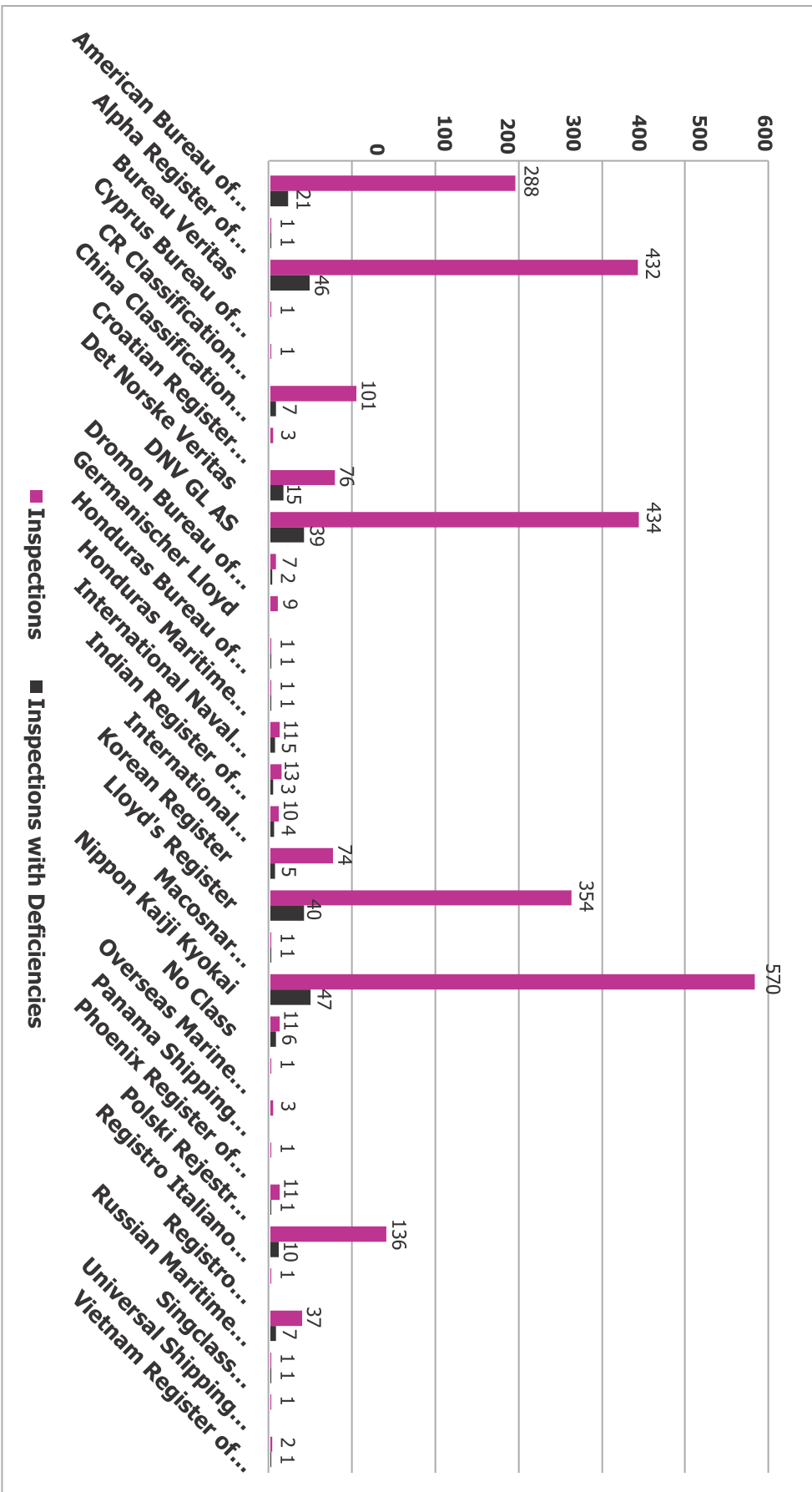


CHART 16: Ratio of Inspections with Deficiencies by Classification Society

Diagramme 16: Ratio des Inspections avec Défectuosités par Classe

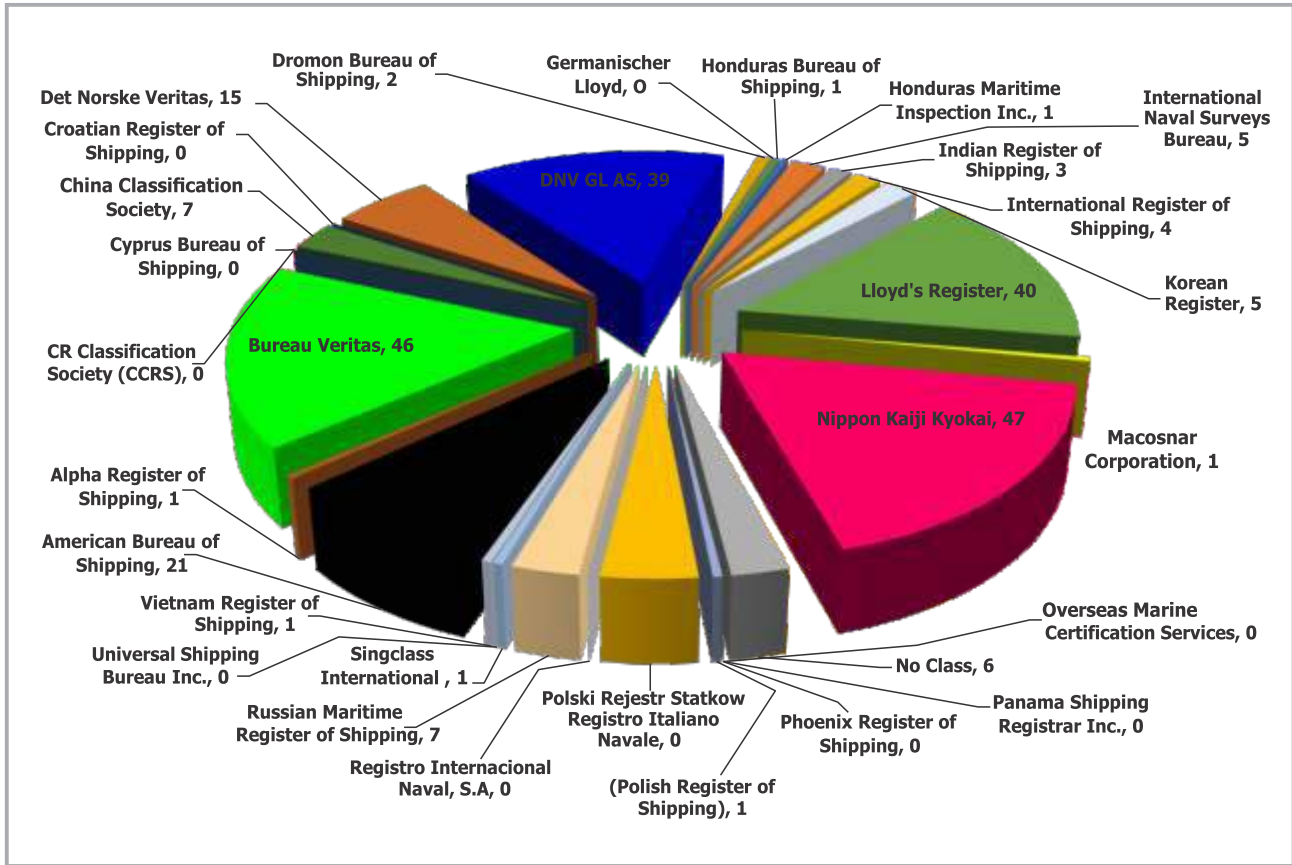


CHART17: Detentions and Inspections with Deficiencies by Classification Society

Diagramme 17: Immobilisation et Inspection avec Défectuosités par Société de Classification

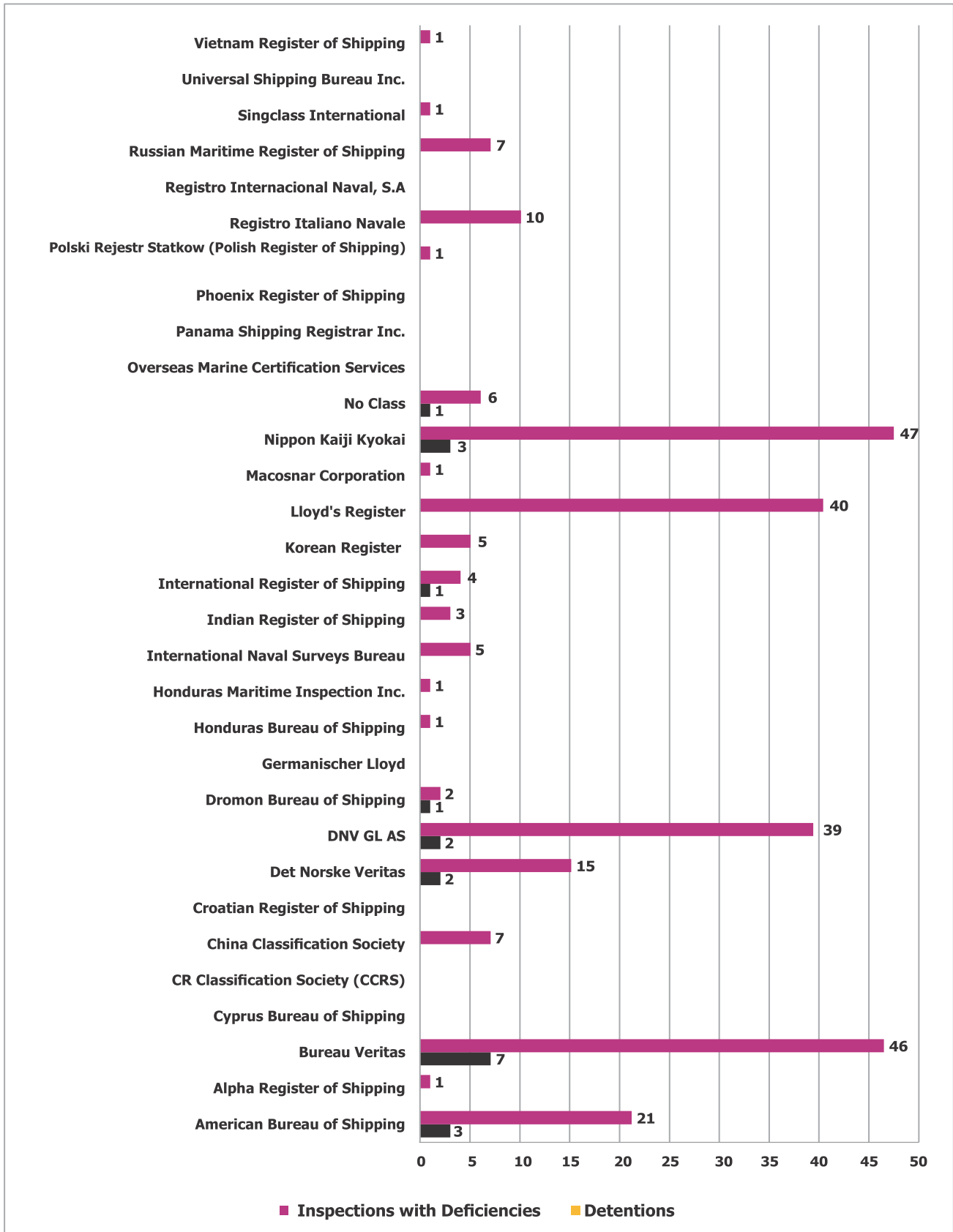
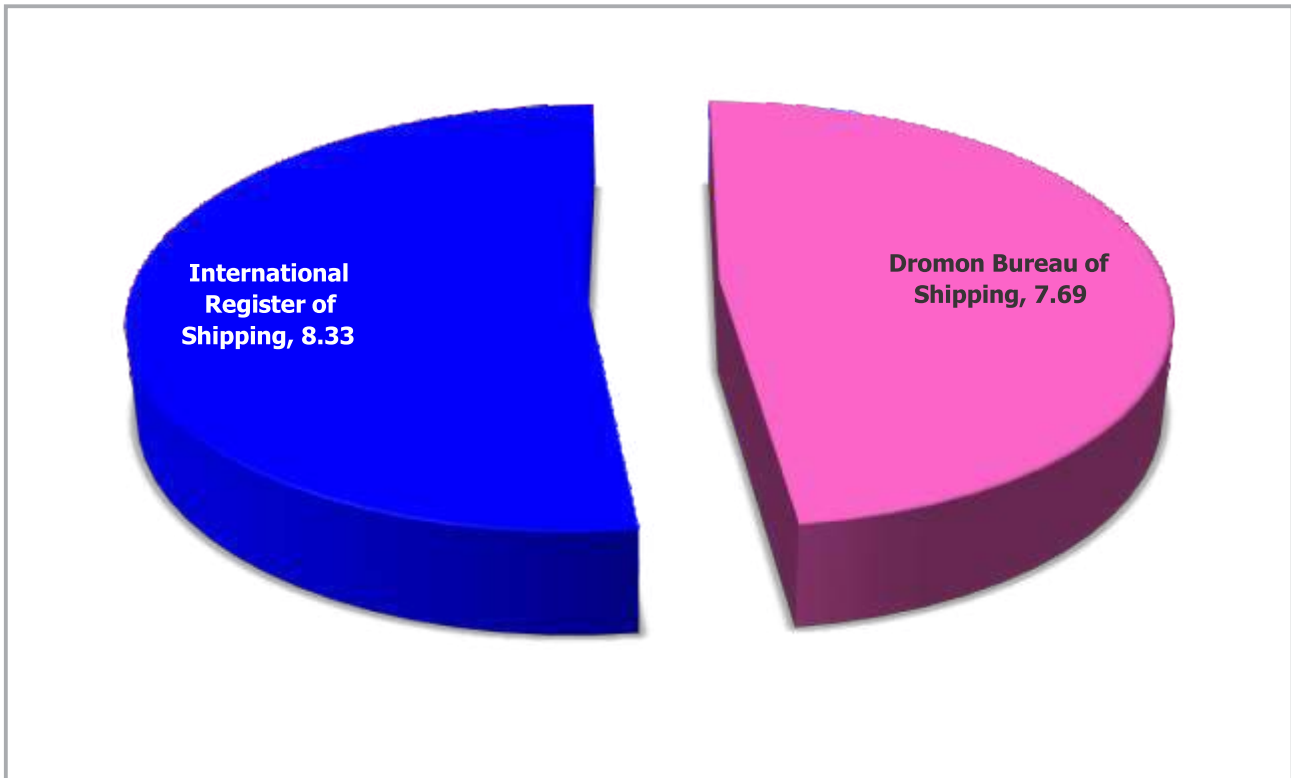


TABLE 6: Detentions of Ships with RO related Detainable Deficiencies per Recognized Organization
TABLEAU 6: Les détentions de navires avec RO relatif aux déficiences par organisation reconnue

Recognized Organization		No. of Inspections	No. of Detentions	No. of RO Related Detentions	General Detention Percentage	RO related Detention Percentage	Percentage of RO related Detention
American Bureau of Shipping	ABS	391	4		1.02		
Alpha Register of Shipping		8					
Azure Naval Architects BV (ANA)		3					
Bureau Veritas	BV	633	7		1.11		
Bulgarski Koraben Registar		2					
Cyprus Bureau of Shipping		4					
CR Classification Society (CCRS)		3					
China Classification Society	CCS	137	1		0.73		
Croatian Register of Shipping		4					
Det Norske Veritas	VDN	183	2		1.09		
Dromon Bureau of Shipping		13	1	1	7.69	7.69	100
DNV GL AS		755	5		0.66		
Germanischer Lloyd		GL					
Hellenic Register of Shipping		1					
Honduras Maritime Inspection Inc.		1					
Isthmus Bureau of Shipping, S.A		6					
Intermaritime Classification Services, S.A		5					
International Naval Surveys Bureau	INSB	25	1		4		
Indian Register of Shipping		13					
International Register of Shipping	IRS	12	1	1	8.33	8.33	100
International Ship Classification		1					
Korea Classification Society	KCS	1					
Korean Register	KR	100					
Korea Ship Safety Technology Authority		1					
Lloyd's Register	LR	665	4		0.6		
Macosnar Corporation		2					
Nippon KaijiKyokai	NKK	747	4		0.54		
New United International Marine Services LTD		1					
No class		1					
Other		26	3		11.54		
Overseas Marine Certificate Services		3					

Panama Bureau of Shipping		1					
Panama Maritime Documentation Services	PMDS	2					
Panama Register Corporation		1					
Panama Shipping Registrar Inc.		2					
Polski Rejestr Statkow (Polish Register of Shipping)	PRS	13					
PT Biro Klasifikasi Indonesia		1					
Qualitas Register of Shipping S.A. (QRS)		7					
Registro Italiano Nvale	RINA	199					
Russian Maritime Register of Shipping	RMRS	42					
Ship Classification of Malaysia		1					
Singclass International		1					
Turkish Lloyd		1					
Vietnam Register of Shipping	VRS	6					
Phoenix Register of Shipping		7					

CHART 18: RO Related Detention Percentage**Diagramme 18: RO Relative au Pourcentaged'immobilisation****Table 7 - Breakdown of Inspections 2018-2021****Tableau 7 - Répartition des Inspections 2018-2021**

Year	2018	2019	2020	2021
Number of inspections without deficiencies	2185	2473	2085	2333
No. of inspections with deficiencies	224	222	252	272
No. of inspections with deficiencies but without detention	210	201	243	249
No. of inspections with detentions	14	21	9	23
Number of inspections	2409	2695	2337	2605

Table 8 - Assessment of Target Inspection Rate Achieved In 2020 and 2021**Tableau 8 - Evaluation de la Cible du Taux d'Inspection Atteint en 2020 et 2021**

Member Authorities	No of inspections 2020	No of ship Calls 2020	% of inspections 2020	No of inspections 2021	No of ship Calls 2021	% of inspections 2021
Ghana	156	4296	3.63	180	5295	3.40
Liberia	21	522	4.02	71	721	9.85
Nigeria	634	13391	4.73	846	14859	5.69
South Africa	154	12,753	1.21	147	14872	0.99
Congo DRC	13	706	1.84	0	1094	0.00
Congo	320	2,308	13.86	258	2326	11.09
Benin	191	1,654	11.55	267	2130	12.54
Cote D' Ivoire	166	3,218	5.16	149	5180	2.88
Guinea	107	1,485	7.21	107	5029	2.13
Senegal	202	3,586	5.63	229	4542	5.04
Togo	81	5,542	1.46	63	5204	1.21
Gambia	39	395	9.87	26	451	5.76
Gabon	247	1,532	16.12	221	1710	12.92
Sierra Leone	6	794	0.76	41	1530	2.68
TOTAL	2337	52182	4.48	2605	64943	4.01

CHART 19: Inspections Compared to Commitments in 2021

Diagramme 19 : Inspections comparées à l'objectif de performance d'inspections fixé en 2021

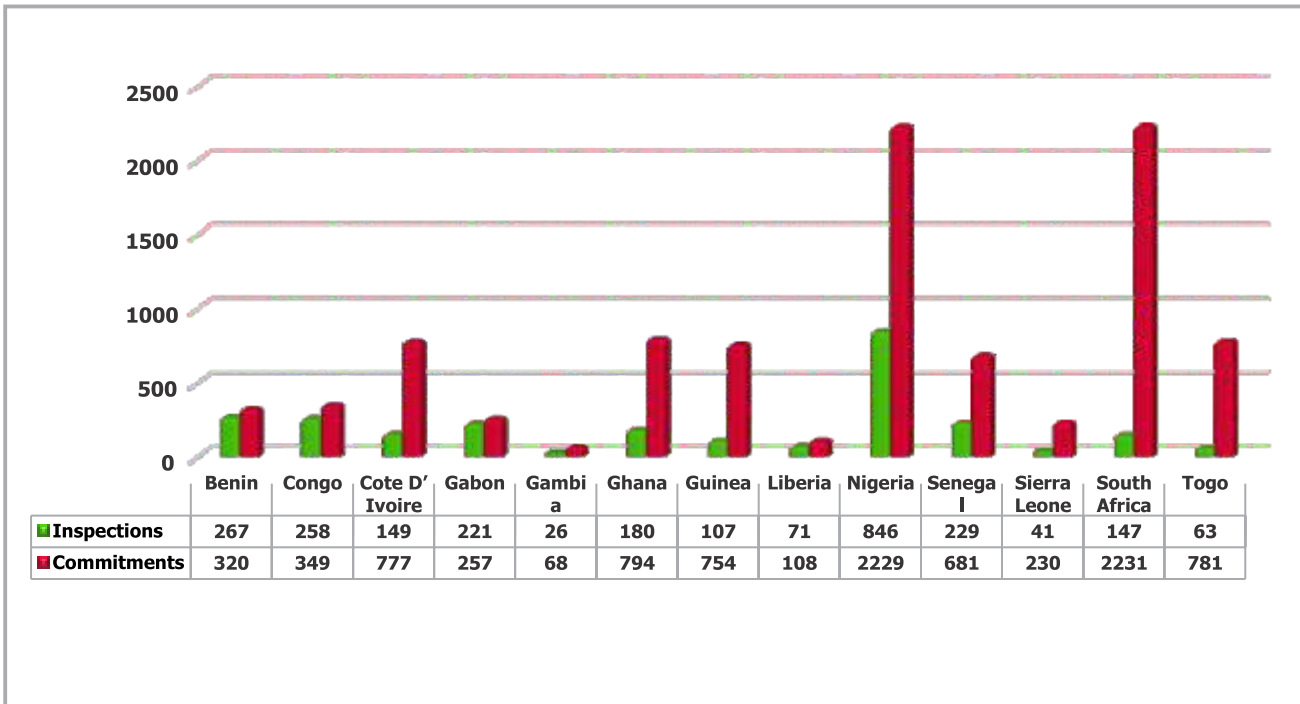
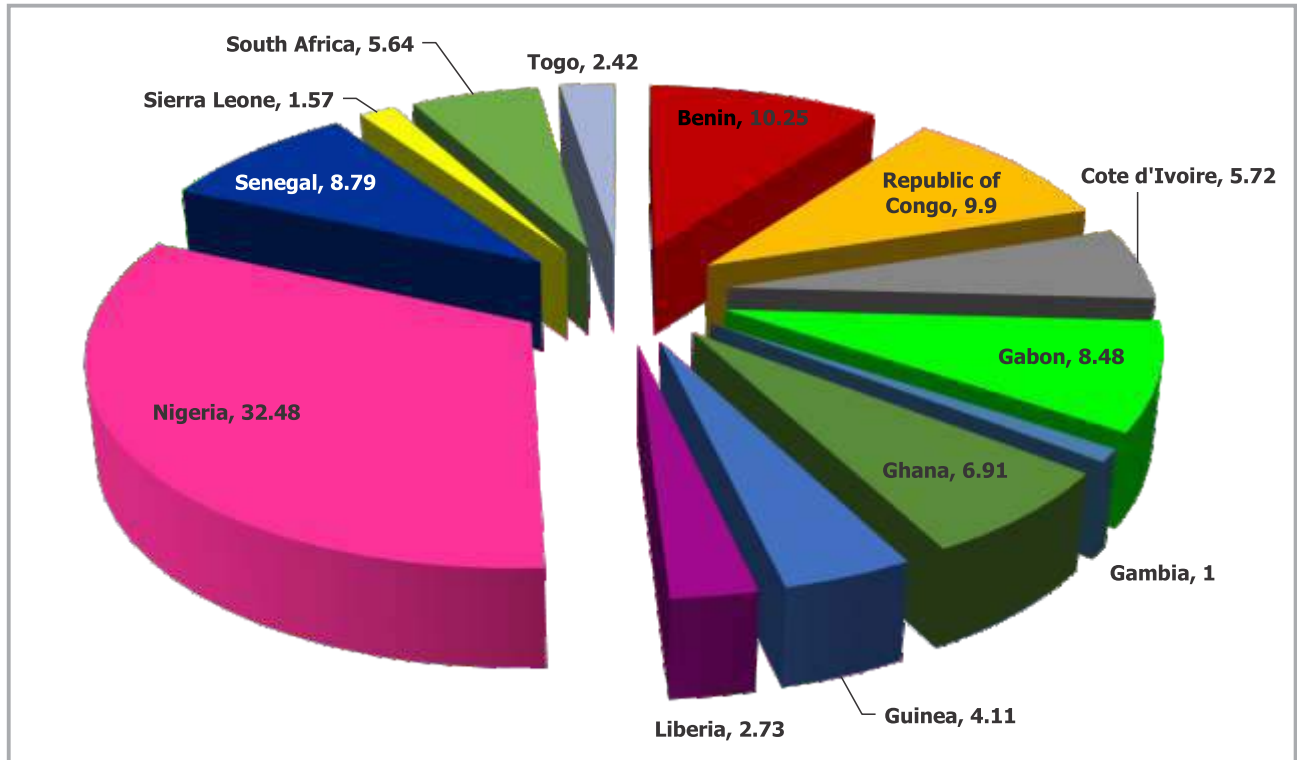


CHART 20: Inspection Efforts of Member States as Percentage of MoU Total

DIAGRAMME 20: Efforts d'Inspection des Etats membres au Pourcentage Total du MoU



BENCHMARKING

2021	Abuja MoU	Tokyo MoU	Viña del Mar Agreement (Latin America)
*Detention Percentage	0.88	2.31	0.97
**Inspection Percentage	4.01	57.0	54.62
***Member States Inspection Percentage	59.1	95.2	100

*Detention percentage = (No. of Detention/No. of ship inspection) x 100

** Inspection Percentage = (No. of Inspection/No. of ship calls) x 100

*** Mem. States Insp. Percentage = (No. of member States conducting Inspection / No. of Members States in the MOU) x 100