

SUB-COMMITTEE ON IMPLEMENTATION  
OF IMO INSTRUMENTS  
5th session  
Agenda item 5

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## MEASURES TO HARMONIZE PORT STATE CONTROL (PSC) ACTIVITIES AND PROCEDURES WORLDWIDE

### Results of the 2017 Abuja MoU Concentrated Inspection Campaign (CIC) on Safety of Navigation including ECDIS

Submitted by Abuja MoU

#### SUMMARY

*Executive summary:* This document provides information of the result of the CIC on Safety of Navigation including ECDIS conducted between 1 September 2017 and 30 November 2017 in the Abuja MoU region.

*Strategic direction, if applicable:* Other work

*Output:* OW 10

*Action to be taken:* Paragraph 11

*Related documents:* None

#### Introduction

1 The Memorandum of Understanding on Port State Control for West and Central African region (Abuja MoU) is pleased to submit the report of the 2017 CIC on Safety of Navigation including ECDIS, held between 1 September and 30 November 2017, for the purpose of ensuring compliance with the requirements of SOLAS chapter V.

2 The aim of the CIC was to check compliance with the applicable requirements of SOLAS Convention, the overall status of vessels' navigation safety, and the competency of crew involved in the navigation of the ship using CIC guidelines developed by Paris MoU.

3 Annex 1 contains information on the outcome of the CIC in the Abuja MoU region. The online version of the full report is available on the Abuja MoU website: [www.abujamou.org](http://www.abujamou.org).

#### Purpose

4 The purpose of this Concentrated Inspection Campaign on Safety of Navigation, including Electronic Chart Display and Information Systems (ECDIS) was to check compliance with the applicable provisions on SOLAS chapter V, including voyage planning, Automatic Identification System (AIS), Voyage Data Recorder (VDR), Bridge Navigational Watch Alarm Systems (BNWAS), and Light, Shapes and Sound signals.

## **Outcome of the CIC**

5 A total of 442 inspections (Table 3, column 1) were conducted between 1 September and 30 November 2017 in the region.

6 During the CIC period, 419 individual ships (Table 6) were inspected and of these 182 (41.2%) (Table 1A) were CIC related. 187 inspections (Table 1A) were carried out using the CIC questionnaire and 255 without CIC questionnaire. The following Nature of Deficiencies were recorded under the corresponding number of inspections (Table 2): Electronic charts (ECDIS) - 3; Voyage Data Recorder (VDR) - 1; Bridge Navigation Watch Alarm System (BNWAS) - 1; Automatic Identification System (AIS) - 1; Voyage or passage plan - 3; Lights, shapes, sound signals – 2.

7 Ships from 45 flag States were inspected during the CIC (Table 4). The flag with the highest number of inspections were Liberia (73), Panama (73), followed by Marshall Islands (55) and Malta (35) comprising respectively 16.51%, 16.51%, 12.42%, and 7.99% of the total inspections. The highest number of detentions was recorded by ship under the flag of Marshall Islands (40%) with Indonesia (20%), Liberia (20%), and Tanzania (20%).

8 Out of the 187 inspections, 176 (94.1%) questionnaires submitted were without deficiencies while 11 (5.9%) had deficiencies. (Table 2)

9 Only one ship type (General cargo/multipurpose) (Table 7&8) was detained as a result of Endorsement by flag State of crew certificate not being onboard. The overall detention rate per CIC inspection was 0.53%. (Table 1).

10 Generally, result of the CIC indicates more deficiencies in areas related to the Electronic Chart display Information System (ECDIS), and Voyage planning.

## **Action requested of the Sub-Committee**

11 The Sub-Committee is invited to note the information contained in this document regarding CIC on Safety of Navigation.

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**ANNEX 1**

**CONCENTRATED INSPECTION CAMPAIGN (CIC) ON SAFETY OF NAVIGATION  
INCLUDING ECDIS, 1 SEPTEMBER – 30 NOVEMBER 2017, ABUJA MoU**

**Table 1. Summary of CIC Questionnaire Result.**

Q.1	Is ship's navigation equipment in accordance with its applicable safety certificate (SEC,PSSC, CSSC)?	186	1	0
	<b>(01101 01103 01105 -S74/CI/R12)</b>			
Q.2	Does the ECDIS have the appropriate electronic charts for the intended voyage and is there a suitable back-up arrangement?	122	3	62
	<b>(10112 - S74/CV/R19.2)</b>			
Q.3	Is there evidence that all watchkeeping officers comply with STCW requirements for ECDIS?	136	1	50
	<b>(01201 – STCW/A-II/1)</b>			
Q.4	Can watchkeeping officers demonstrate familiarization with ECDIS operation?	122	1	64
	<b>(10133-STCW/A-VIII/2, 15106 –ISM/S8)</b>			
Q.5	Can ship's VDR/SVDR record data fully?	178	1	8
	<b>(10114 - S74/CV/R18)</b>			
Q.6	Is second and/or third stage remote audible alarm of BNWAS recognized?	181	1	5
	<b>(10138- S74/CV/R18/R19)</b>			
Q.7	Is the ship's Automatic Identification System transmitting correct particulars?	186	1	0
	<b>(10113 - S74/CV/R19.2.4)</b>			
Q.8	Does the passage plan cover the whole voyage?	179	8	
	<b>(10127 - S74/CV/R34,STCW/A-VIII/2)</b>			
Q.9	Does all crew know and respect the official working language as established and recorded in the ship's logbook?	186	1	
	<b>(10136 10132- S74/CV/R14)</b>			
Q.10	Is the crew familiar with the procedure of emergency operation of steering gear?	187	0	
	<b>(10126 15106 - S74/CV/R26)</b>			
Q.11	Are the exhibition of navigational/signal lights in accordance with the requirements of COLREG72?	185	2	
	<b>(10109 – COLREG72/CIII S74/CII-1/R42.2/R43.2)</b>			
Q.12	Is the ship detained as a result of this CIC?	1	186	

**Table 1A**

No.of CIC inspections	187
No of individual ships CIC inspected	182

**Table 2. Specification of CIC-topic related deficiencies**

CIC-topic related deficiencies		Inspections	Detentions CIC-topic related	Detentions CIC-topic related with RO responsibility
Code	Nature of deficiency	(# of inspections with this deficiency) One inspection can have multiple deficiencies	(# of inspections with this deficiency recorded as ground for detention)	(# of inspections with this deficiency recorded as ground for detention and RO related)
01101	Cargo Ship Safety Equipment (including exemption)			
01103	Passenger Ship Safety (including exemption)			
01105	Cargo Ship Safety (including exemption)			
10112	Electronic charts (ECDIS)	3	0	0
01201	Certificates for master and officers			
10133	Bridge operation			
10114	Voyage data recorder (VDR)/Simplified Voyage data recorder(S-VDR)	1	0	0
10138	Bridge Navigation Watch Alarm System (BNWAS)	1	0	0
10113	Automatic Identification System (AIS)	1	0	0
10127	Voyage or passage plan	3	0	0
10136	Establishment of working language onboard			
02105	Steering gear			
10126	Record of drills and steering gear tests			
10109	Lights, shapes, sound-signals	2	0	0
04103	Emergency, lighting, batteries and switches			

**Table 3. Number of inspected ships and detentions per ship type**

Ship type	# of inspections	# of detentions	detention as % of inspections	detentions CIC-topic related	detentions CIC-topic related as % of inspections
Bulk carrier	178	0	0	0	0
Chemical tanker	13	0	0	0	0
Combination carrier	1	0	0	0	0
Container	64	0	0	0	0
Fish factory	1	1	100	0	0
Gas carrier	8	0	0	0	0
General cargo/multipurpose	55	1	1,82	0	0

Offshore supply	10	2	20	0	0
Oil tanker	59	1	1,69	0	0
Other special activities	6	0	0	0	0
Passenger ship	1	0	0	0	0
Refrigerated cargo	23	0	0	0	0
Ro-Ro cargo	13	0	0	0	0
Ro-Ro passenger ship	1	0	0	0	0
Special purpose ship	4	0	0	0	0
Tugboat	1	0	0	0	0
Vehicle carrier	3	0	0	0	0
Woodchip carrier	1	0	0	0	0
<b>Total</b>	<b>442</b>	<b>5</b>	<b>1,13</b>	<b>0</b>	<b>0</b>

**Table 4. Inspections and detentions per Flag State**

Flag	# of inspections	# of detentions	Detention as a % of inspections	# of detentions CIC-topic related	Detentions CIC-topic related as a % of inspections
Antigua and Barbuda	14	0	0	0	0
Bahamas	14	0	0	0	0
Bangladesh	2	0	0	0	0
Barbados	5	0	0	0	0
Belize	1	0	0	0	0
Bermuda (GB)	1	0	0	0	0
Cayman Islands (GB)	1	0	0	0	0
China	2	0	0	0	0
Comoros	2	0	0	0	0
Croatia	2	0	0	0	0
Cyprus	9	0	0	0	0
Denmark	5	0	0	0	0
France	2	0	0	0	0
Germany	3	0	0	0	0
Gibraltar (GB)	5	0	0	0	0
Greece	9	0	0	0	0
Hong Kong, China	29	0	0	0	0
India	1	0	0	0	0
Indonesia	1	1	100	0	0
Isle of Man (GB)	3	0	0	0	0
Italy	16	0	0	0	0
Kiribati	1	0	0	0	0
Liberia	73	1	1,37	0	0
Lithuania	2	0	0	0	0
Macao, China	1	0	0	0	0
Malta	35	0	0	0	0
Marshall Islands	55	2	3,64	0	0
Montenegro	1	0	0	0	0
Netherlands	4	0	0	0	0

Norway	4	0	0	0	0
Panama	73	0	0	0	0
Philippines	1	0	0	0	0
Portugal	4	0	0	0	0
Saint Kitts and Nevis	3	0	0	0	0
Saint Vincent and the Grenadines	3	0	0	0	0
Singapore	32	0	0	0	0
Switzerland	2	0	0	0	0
Tanzania, United Republic of	1	1	100	0	0
Togo	2	0	0	0	0
Turkey	6	0	0	0	0
Ukraine	1	0	0	0	0
United Kingdom	8	0	0	0	0
United States	1	0	0	0	0
Vanuatu	1	0	0	0	0
Vietnam	1	0	0	0	0
<b>Total</b>	<b>442</b>	<b>5</b>	<b>1,13</b>	<b>0</b>	<b>0</b>

**Table 5. Inspections and Detentions per Recognized Organization**

Issuing authority		Inspection*	Detentions CIC-topic related with RO responsibility**
Code	Name		
104	Alpha Register of Shipping	1	0
101	American Bureau of Shipping	71	0
115	Bureau Veritas	101	0
121	China Classification Society	12	0
124	Croatian Register of Shipping	1	0
118	Cyprus Bureau of Shipping	1	0
128	Det Norske Veritas	14	0
278	DNV GL AS	116	0
132	Germanischer Lloyd	23	0
235	Global Shipping Bureau	1	0
138	Hellenic Register of Shipping	1	0
150	Indian Register of Shipping	4	0
141	Intermaritime Certification Services, S.A.	2	0
148	International Naval Surveys Bureau	6	0
158	Korean Register of Shipping	9	0
160	Lloyd's Register	97	0
171	National Shipping Adjuster Inc.	1	0
169	Nippon Kaiji Kyokai	111	0
173	Other	3	0
215	Phoenix Register of Shipping	2	0

179	Polski Rejestr Statkow (Polish Register of Shipping)	3	0
186	Registro Italiano Navale	38	0
193	Rinave Portuguesa	2	0
191	Russian Maritime Register of Shipping	9	0
206	Turkish Lloyd	1	0
211	Universal Shipping Bureau Inc.	1	0
213	Vietnam Register of Shipping	1	0

**Table 6 Number of inspections and number of ships in CIC**

	# of individual ships inspected during CIC	# of inspections performed with a CIC questionnaire	# of inspections without a CIC questionnaire
Total # of inspections	419	187	255
# of inspections with detentions	4	2	3
# of detentions with CIC-topic related deficiencies	0	0	0

**Table 7 CIC report regarding the vessel that was detained as a result of CIC.**

Authority	Port	ShipName	IMO	DateOfInspect	Flag	Classification Society	q1	q2	q3	q4	q5	q6	q7	q8	q9	q10	q11	q12
Senegal	Port of Dakar	ORANGO	8023931	16.11.2017	Tanzania, United Republic of	Other	no	n/a	n/a	n/a	n/a	n/a	yes	no	yes	yes	yes	yes

**Table 8 Detainable deficiencies from the inspection report which corresponds to CIC data.**

CodeDef	Nature	Remarks	Actions
01122	International ship security certificate	INTERNATIONAL SHIP SECURITY CERTIFICATE EXPIRED ( ORIGINAL CERTIFICATE NOT ON BOARD)	30 - Detainable deficiency
01107	Safety Management Certificate (SMC/ ISM)	SMC EXPIRED	30 - Detainable deficiency
01123	Continuous synopsis record	CSR NOT UP TO DATE ( NEW FLAG MISSING)	30 - Detainable deficiency
01214	<b>Endorsement by flagstate</b>	<b>CREW CERTIFICATE ENDORSEMENT BY FLAG NOT ON BOARD</b>	30 - Detainable deficiency