

Circular 2024-09: PSC Concentrated Inspection Campaign on Ships' Lifting Appliances

Overview

Riyadh MoU launched a Concentrated Inspection Campaign (CIC) during autumn 2024 (from the **1st of September to the 30th of November 2024**) regarding the **Ships' Lifting Appliances**.

'Lifting appliances' are all stationary or mobile appliances which are used on board ships to suspend, raise, lower any loads or furthermore to move them from one position to another while suspended.

The 'loose gear' means any gear which is not an integral part of a lifting appliance or a load, but through which the latter may be attached/connected to the first one.

Aim of CIC

The purpose of this CIC is to make sure that all lifting appliances and loose gear which are used on board ships are examined, tested and properly maintained on regular/specific time intervals. The campaign also aims to ensure that crew members occupied with lifting operations are aware of the risks these operations contain and comply with the best practices outlined in the safety manuals for such tasks.

Questionnaire

Riyadh MoU PSC Officers will use the released CIC questionnaire as included in Annex 'A', additional to PSC inspection checklist.

Actions required

Company Managers and personnel ashore occupied with training must provide adequate guidance and directions to the crew members to help them in their preparation to address the PSC CIC successfully.

The Crew members must adopt the Company's provided guidance and directions and apply them immediately to their daily routine. They also need to identify potential discrepancies related to the lifting appliances and loose gear and along with the Company's direction and guidance to put in place corrective or preventive measures.

How we may help

SQEMARINE can provide guidance for:

1. CIC Questionnaire (Appendix A)
2. Preparing the response to questionnaire (Appendix B)
3. Related Deficiency code analysis Globally (Appendix C)

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Annex A

No	Description	Yes	No	Detention
1.	Are all relevant documentation for the ship's lifting appliances, including cargo operation manuals, approved lifting gears certificates, and loading instrument function documentation, available on board the ship?			
2.	Is the cargo gears record logbook and loose gears conformance test report of all the ship's lifting devices available onboard the ship?			
3.	Are the inspection reports for the lifting appliances, including those conducted by the classification society and the ship's crew, available onboard the ship?			
4.	Are the lifting appliances maintained and working in good condition?			
5.	Are the ship's communications devices maintained and working in good condition?			
6.	Are the safety operation procedures available onboard the ship?			
7.	Is the master's order for cargo operations available onboard the ship?			
8.	Is cargo operation Risk Assessment available onboard the ship?			
9.	Have the lifting appliances on the ship been inspected for oil leaks and cleanliness?			
10.	Are the ship's crew and shore operators properly familiarized with the cargo and lifting appliances operations?			

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1. Is all relevant documentation for the ship's lifting appliances, including cargo operation manuals, approved lifting gears certificates, and loading instrument function documentation, available on board the ship?

The Technical and Operations Managers along with the Master and other designated responsible Officers to ensure that the entire documentation/certification regarding the lifting appliances/loose gear and manuals relevant to cargo operations and the functioning of the loading instruments are valid and available. If something is missing, corrective actions have to be taken (immediate issuance of the missing documentation – suspension of appliances/loose gear's use until their certificates are available, etc.).

2. Is the cargo gears record logbook and loose gears conformance test report of all the ship's lifting devices available onboard the ship?

The Master and responsible Officers on board to ensure that cargo gears record logbook and loose gears conformance test report of the lifting devices of the ship are always valid/updated and available. Technical and Operations Managers ashore, to monitor expiration dates and schedule the applicable testing of equipment as required..

3. Are the inspection reports for the lifting appliances, including those conducted by the classification society and the ship's crew, available onboard the ship?

The Master and responsible Officers on board to ensure that reports for the lifting appliances (those conducted by ship's crew) are always valid/updated and available. A copy of latest Classification society's inspection report for lifting appliances to be available. Technical and Operations Managers ashore, to supervise the foregoing crew's obligation regularly and follow up Class comments and findings. If a report shows a defect that poses a threat to the safe execution of the loading operations, this must be recorded officially and the use of the lifting appliance/loose gear to which the report is referred to, should be suspended until the defect is restored.

4. Are the lifting appliances maintained and working in good condition?

Planned Maintenance System (PMS - based on manufacturers' instructions manuals) must be in place on board for every appliance/loose gear and be followed without deviations. Officers on board, under the supervision of the Master, are responsible for ensuring the implementation of the proper maintenance and upon completion to keep corresponding records. Technical department to monitor all required actions and reports as applicable.

5. Are the ship's communications devices maintained and working in good condition?

Communication devices must be maintained according to manufacturers' instructions. The portable devices must be stored/protected and recharged in designated areas after their use. Officers on board, under the supervision of the Master, are responsible for ensuring this process. Immediate replacement/service of malfunctioning communication devices when identified onboard.

6. Are the safety operation procedures available onboard the ship?

Company's SMS to provide the crew with adequate written guidance, directions (directives -posters) and preventive safety measures that the crew must take while loading operations are performed to achieve high standards of safety. Master and Safety Officer on board to follow the SMS instructions and check adequate implementation onboard

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7. Is the master's order for cargo operations available onboard the ship?

Master, taking into consideration the SMS guidance for lifting operations to provide additional guidance and permit for lifting operations. In case Ship's cranes are operated by shore personnel, a pre transfer meeting to be arranged in order to Master and Cargo Officer provide their guidance and verify the ability of shore personnel to perform the lifting operations.

8. Is cargo operation Risk Assessment available onboard the ship?

SMS should include in relevant Risk Management section the procedure for hazard identification and mitigation related to lifting operations. Master and safety officer to follow the implemented risk management procedure and discuss hazards during tool box meeting prior operation. Shore related personnel to participate to final risk identification and mitigation control measures implementation. Developed Risk Assessment to be available for review.

9. Have the lifting appliances on the ship been inspected for oil leaks and cleanliness?

Beyond the PMS, the ship's crew must check the lifting appliances for their cleanliness or for any oil leaks during the preparation that is implemented before the loading operations begins, after they are completed or after the ship has been exposed to rough weather conditions. Attention should also be paid while loading operations are conducted. In this case the crew must be ready to suspend operations, if needed, to avoid hazards due to potential extended oil leaks.

10. Are the ship's crew and shore operators properly familiarized with the cargo and lifting appliances operations? SMS familiarization section to include lifting appliances familiarization. Certified personnel can only operate mounted lifting appliances/cranes, and the certification must be available on board. The company's personnel/agent to ensure that shore operators are also aware of the operations of the ship's lifting appliances before the loading/unloading operations begins. In this case confirmation correspondence must be sent to the Master.

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Appendix C

Deficiency Codes Related to Inspection Campaign

	Finding	Related PSC codes
1	Are all relevant documentation for the ship's lifting appliances, including cargo operation manuals, approved lifting gears certificates, and loading instrument function documentation, available on board the ship?	01101 - Cargo Ship Safety Equipment 01305 - Log-books/compulsory entries 01313 - Booklet for bulk cargo loading/unloading/stowage 01317 - Cargo record book
2	Is the cargo gears record logbook and loose gears conformance test report of all the ship's lifting devices available onboard the ship?	01317 - Cargo record book 01322 - Conformance Test Report 06199 - Other (cargo)
3	Are the inspection reports for the lifting appliances, including those conducted by the classification society and the ship's crew, available onboard the ship?	01101 - Cargo Ship Safety Equipment 01305 - Log-books/compulsory entries 01313 - Booklet for bulk cargo loading/unloading/stowage 01317 - Cargo record book 06101 - Cargo Securing Manual
4	Are the lifting appliances maintained and working in good condition?	06199 - Other (cargo) 09225 - Loading and unloading equipment 15109 - Maintenance of the ship and equipment
5	Are the ship's communications devices maintained and working in good condition?	05116 - Operation/maintenance 05199 - Other (radiocommunication)
6	Are the safety operation procedures available onboard the ship?	15106 - Shipboard operations 15109 - Maintenance of the ship and equipment
7	Is the master's order for cargo operations available onboard the ship?	15104 - Masters responsibility and authority 15106 - Shipboard operations
8	Is cargo operation Risk Assessment available onboard the ship?	15106 - Shipboard operations 18432 - Risk evaluation, training and instruction to seafarers
9	Have the lifting appliances on the ship been inspected for oil leaks and cleanliness?	09225 - Loading and unloading equipment 09297 - Other (working space ILO) 09298 - Other (accident prevention)
10	Are the ship's crew and shore operators properly familiarized with the cargo and lifting appliances operations?	15106 - Shipboard operations

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Analysis of related Deficiency Codes Last36 Months (August 2021 – July 2024) Global Statistics

Global Rank	DC	DC Description	Deficiency Area	#of DET Defs	#Non DET defs	TTL DEFs	Share
63	01101	Cargo Ship Safety Equipment	Certificate & Documentation	117	1101	1218	0.30%
223	01305	Log-books/compulsory entries	Certificate & Documentation	24	1409	1433	0.35%
335	01313	Booklet for bulk cargo loading/unloading/stowage	Certificate & Documentation	6	71	77	0.02%
455	01317	Cargo record book	Certificate & Documentation	1	70	71	0.02%
247	01322	Conformance Test Report	Certificate & Documentation	19	172	191	0.05%
208	05116	Operation/maintenance	Radio Communications	27	525	552	0.13%
229	05199	Other (radiocommunication)	Radio Communications	24	681	705	0.17%
193	06101	Cargo Securing Manual	Cargo operations including equipment	32	505	537	0.13%
228	06199	Other (cargo)	Cargo operations including equipment	24	763	787	0.19%
394	09225	Loading and unloading equipment	MLC	3	125	128	0.03%
392	09297	Other (working space ILO)	MLC	3	169	172	0.04%
342	09298	Other (accident prevention)	MLC	6	605	611	0.15%
163	15104	Masters responsibility and authority	ISM Code	43	48	91	0.02%
62	15106	Shipboard operations	ISM Code	118	449	567	0.14%
9	15109	Maintenance of the ship and equipment	ISM Code	544	1143	1687	0.41%
507	18432	Risk evaluation, training and instruction to seafarers	MLC	-	211	211	0.05%

Global rank	The rank of deficiency code taking into consideration the findings of last 36 months. Max Rank 588
DC	Deficiency Code
DC Description	The description of specific deficiency code
Deficiency Area	The area the deficiency code is assigned as per global PSC system
# of DET Defs	The number of times this specific DC has led to a ship's detention
# Non DET. Defs	The number of times the deficiency code has been marked on ships but without leading to detention
TTL Defs	The sum of # for DET Defs + # Non DET Defs
Share	Percentage of TTL defs to global findings for all deficiency codes L36M