



ISM/ISPS/MLC Information

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Subject: Guidance for SIRE 2.0

OCIMF announced that it will be implemented an enhanced ship inspection system(SIRE 2.0) that reflects industry risk assessment and risk management techniques to provide accurate ship safety quality and performance information to OCIMF members and related industries.

Ship operators need to obtain relevant information and respond without delay to the implementation of the SIRE 2.0 inspection in consideration of not only the safety of the ship but also the business operation, so please refer to the outline of the SIRE 2.0 inspection as below.

1. Timing & Overview

- Scheduled for the fourth quarter of 2022(Implemented in duplicate with the current SIRE method for the next six months)
 - When applying for an inspection during the overlapping period, the SIRE Submitting Company decides whether to perform SIRE 2.0 or the current SIRE method
 - The timing of implementation is likely to change(The latest delay from 1Q to 4Q in 2022)
- Applications for inspection through the OCIMF portal, operators submit data in advance, query items selected from the Question Library are sent to the tablet of the designated inspector to perform on-site inspection, and the inspection results are registered in the OCIMF database
- Documents will be provided to guide ship operator how to apply for SIRE 2.0 inspection and enter submitting data

2. Submitting data before inspections

- Registration and submission of all data by online

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1. HVPQ(Harmonized Vessel Particulars Questionnaire)
 2. PIQ(Pre-Inspection Questionnaire)
 3. Certificate Repository
 4. Photograph Repository
 5. Inspection Declaration
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- It is not a concept of submitting new data every time an inspection, operators will register all relevant data in advance to prepare SIRE 2.0, and check whether it is up to date before applying for an inspection.

- In the case of photos, if there is no change, it is recommended to be updated with term for about 6 months

3. Characteristic of SIRE 2.0

- Apply computerized systems using explosion-proof tablets(Paperless)
- Improving the reliability of the inspection by recording of starting and ending time of the inspection, checking the location through GPS, and registering on-site photos
- CVIQ is created by grouping vast inquiries from existing VIQ into categories, and the inspection procedure is changed so that inspection can be performed within a limited time
- Inspector can check the observation(Core category) of the previous inspection on the tablet
- Observation other than CVIQ(Question items are not selected in this inspection) can also be identified
- Providing and consulting(Signing) observations at the end of inspection (Observation declaration) is mandatory
- When a ship operator enters a comment in the inspection report, identify immediate & root cause
- Inspector can identify not only negative observation of the ship's safety status but also positive observation only for human-based tasks

4. Inspection procedure for SIRE 2.0

- Create Compiled Vessel Inspection Questionnaire(CVIQ) based on information

submitted in advance and maritime industry informations(Accident, PSC, operator evaluation & etc.)

- The CVIQ was provided through Inspector's tablet(The ship operator is not aware of such CVIQ) and the inspection was conducted
- An inspection is performed using a tablet, and the starting time, ending time, field photos, and observations of the inspection are all processed in a computerized system

5. CVIQ(Compiled Vessel Inspection Questionnaire)

- Inquiries divided into categories of Core, Rotational, Conditional, and Campaign* are selected from the SIRE 2.0 Question Library(Ship's Risk Base)

* Core(The minimum questions required to meet the members' fundamental risk assessment criteria), Rotational(The questionnaire algorithm will ensure that all non-core questions are covered over a period of time and that each inspection template is designed for a defined duration), Conditional(Specific questions based on the available data on the vessel, operator or ship-type), Campaign(Area of specific focus from OCIMF and its membership requiring time-limited exposure)

- SIRE 2.0 Question Library is based on the contents of the existing VIQ7 and is configured as follows

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1. Question(Kind, ship type, objective of question)
 2. Compulsory requirement(Ex. Law, convention, circular & etc.) or industry instruction(Ex. ISGOTT, BPG & etc.)
 3. TMSA
 4. Inspection guidance
 5. Suggested inspector actions
 6. Expected evidence
 7. Potential grounds for a negative observation
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- Inquiries must be verified in terms of hardware, procedures and human elements, and observation can also be described for three aspects

6. Ship operator's response guidance

- Collect and check SIRE 2.0 implementation information through OCIMF website and related industries
- Check the content of SIRE 2.0 Question Library(Questions in Excel

document can be separated by category)

- Comparative analysis of SIRE 2.0 Question Library and VIQ 7(See VIQ 7 Comprehensive analysis)
- Pre-submission data collection and registration for the fleet(In particular, photos need to be collected using an explosion-proof camera, and hull photos can be taken during berthing, so consultation with the terminal is required in advance)
- Implementation and recording of SIRE 2.0 issues in accordance with a change management procedures(Generally, communication channels, benchmarking process, leadership, risk assessment, comprehensive planning and performance evaluation verification, training for those involved should be reviewed)
- Training for persons related to internal work(Both shore staffs and seafarers)

[Att.] 1. SIRE 2.0 Programme – Introduction and Guidance

2. SIRE 2.0 Programme Inspection Process Rollout Documentation

3. SIRE 2.0 Question Library – Part 1 & 2

4. SIRE 2.0 Library – Question Programming Attributes

5. SIRE 2.0 to VIQ 7 – Comparative Analysis. Each one copy. (End)



General Manager
Statutory System Certification Team