



**STRENGTHENING SIRE**

# Marine Assurance



## The SIRE 2.0 inspection regime will significantly expand the depth and quality of marine assurance data gathered during vessel inspections. This will allow for more in-depth reporting outcomes and comprehensive assessments of the quality of a vessel and its crew (on an ongoing basis).

### Risk-based approach to inspections

SIRE 2.0 inspections will be conducted in digital format with Inspectors completing a Compiled Vessel Inspection Questionnaire (CVIQ) in real-time using a tablet device. Unlike the existing SIRE VIQ7, the SIRE 2.0 CVIQ is a customer inspection template compiled using a sophisticated algorithm to create a bespoke questionnaire for each inspection.

### Enhanced reporting processes

To create the SIRE 2.0 CVIQ, the 'question compiler' within the software assesses the vessel type and its inspection history then selects questions from the question library based on risk ranking. All questions require responses based on hardware, processes and human factors which can be graded (from 'poor' to 'good') and supported with documentary evidence.

QUESTIONS	SIRE VIQ7	SIRE 2.0
What questions are included in the inspection?	The template is fixed to the vessel type and variants selected	A CVIQ is compiled according to the HVPQ and PIQ. Questions are included according to OCIMF risk rating into 'core' (related to significant risk) and 'rotational' questions (not related to significant risk)
How are the questions structured?	A simple Yes/No response, with supplementary options for N/A or Not Seen	Multiple categories of response for Hardware, Process, Human Factors and photograph validation
How does the inspector answer the questions?	Binary: positive or negative	A graded scale of responses with various grades of positive options
What are the contents of a negative observation?	Free text observation contents	One or more negative observations identifying a codified subject and nature of concern supplemented with free text
What forms of media can be added by the inspector	Not supported	Photographs can be taken to support question responses and negative observations
What data is provided by the vessel operator to support the inspection?	HVPQ, crew matrix, Port State Control (PSC) reports and incident data	A pre-inspection questionnaire and vessel standard photography, plus HPVQ, crew matrix, PSC reports and incident data

### How will SIRE 2.0 enhance marine assurance processes?

- Significantly improved data quality with a specific focus on processes, equipment and people.
- More detailed, reliable, granular, focused and comparable information.
- Observations set in a meaningful context to allow for analysable root-cause analysis.
- Integration of records including photography, HPVQ, PSC reports, crew matrix and incident data.

### Transitioning to SIRE 2.0

To successfully transition to SIRE 2.0, IT and marine assurance departments of companies. Companies that have integrated SIRE with their in-house IT systems should review changes resulting from SIRE 2.0 and understand the impact on their vetting processes before Q2 2022. Significant changes to the structure, delivery method and data models in SIRE 2.0 means that existing risk assessment practices may need to be reviewed/revise and new opportunities for assessment can be derived.

More information



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