



Challenges operating tankers

Qualification Matrix compliance in the situation of potential seafarers' shortages due to ongoing conflict

SIRE 2.0 as new inspection regime / key challenges



COLUMBIA
SHIPMANAGEMENT

Tanker Operator Athens May 2022

Qualification Matrix compliance



Challenges

- Shortage of qualified seafarers globally;
- 10% of all tanker crew are Russian;
- 4.5% of all tanker crew are Ukrainian;
- Challenge to comply with Qualification Matrix:
 - Tanker experience;
 - Time with the operator due to change of crew complement.

Possible solutions?

- Recruitment?
- Promotion?
- Training?

Will it satisfy Charterers / Major Oil Companies?

SIRE 2.0



SIRE 2.0 Programme Introduction and Guidance Version 1.0

(January 2022)

The Oil Companies International Marine Forum (OCIMF)

Vision: A global marine industry that causes no harm to people or the environment.

Mission: To lead the global marine industry in the promotion of safe and environmentally responsible transportation of crude oil, oil products, petrochemicals and gas and to drive the same values in the management of related offshore marine operations. We do this by developing best practices in the design, construction and safe operation of tankers, barges and offshore vessels and their interfaces with terminals and considering human factors in everything we do.



SIRE

- SIRE program established in 1993;
- Several revisions introduced to the OCIMF VIQ (current version in use is 7.0.07 of Feb 2019);
- Current inspection regime provides snapshot of vessel's condition at the day of inspection.

SIRE 2.0

SIRE 2.0 will:

- Focus the way a vessel is managed – i.e. *Hardware – Process – Human*;
- Align the inspection programme to TMSA using verification questions;
- Reinforce consideration of human factors during the inspection by evaluation of the performance of vessel staff based on tasks performed or described;
- Use Performance Influencing Factors (PIFs) for human performance evaluation and it will cover all ranks.

SIRE 2.0



SIRE 2.0 Question Library Part 1 – Chapters 1 to 7 Version 1.0

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The process of inspection will cover:

- Pre-inspection element, including:
 - HVPQ;
 - Pre-Inspection Questionnaire (PIQ);
 - Certificate Repository;
 - Photographs Repository;
 - Inspection Declaration.
- Physical inspection, utilising Intrinsically safe tablet.
- Question Library released by OCIMF in January 2022;
- Inspection will be based on a ship-specific *Compiled Vessel Inspection Questionnaire (CVIQ)* generated by the system;
- CVIQ will consist of:
 - Core Questions;
 - Rotational Questions 1
 - Rotational Questions 2
 - Campaign Questions

SIRE 2.0 Release



SIRE 2.0 Question Library Part 2 – Chapters 8 to 12 Version 1.0

(January 2022)

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SIRE 2.0 release

- SIRE 2.0 will be released in Q4 2022;
- 6 months grace period;
- Four categories of findings:
 - “Exceeds expectation”
 - “As expected”
 - “Largely as expected”
 - “Not as expected”

Key Challenges

- Gap analysis and SMS adjustment to meet SIRE 2.0 requirements;
- Office personnel training;
- Crew training;
- Pre-inspection element handling and additional resources ashore for that;
- Significant increase of observations;
- Potential commercial implications.



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THANK YOU!