

Guidance to SIRE 2.0 Key Points

Ref: 040

5.2.3 Fixed fire detection and fire alarm system (Observed in Trial Inspection) / TMSA 3.1.4

5.2.3. Were the Master and officers familiar with the location, purpose and operation of the vessel's fixed fire detection and fire alarm system, and was the equipment in good working order, regularly inspected, tested and maintained?

Short Question Text

Fixed fire detection and fire alarm system

Vessel Types

Oil, Chemical, LPG, LNG

ROVIQ Sequence

Interview - Electrician / ETO, Bridge, Engine Control Room, Emergency Headquarters.

Publications

OCIMF/ICS: International Safety Guide for Oil Tankers and Terminals. Sixth Edition.

IMO: ISM Code

IMO SOLAS

IMO: FSS Code

IMO: MSC.1/Circ.1432 Revised guidelines for the maintenance and inspection of fire protection systems and appliances.

IMO: IGF Code

Objective

To ensure that crewmembers can respond effectively to a fire situation in accordance with the shipboard emergency plan.



Following Negative Observations were issued in trial inspection.

The shutdown button on bridge for deck machinery did not have information displayed of what it was serving (equinor).



Potential Grounds for a Negative Observation

- There was no company procedure which defined the operation and maintenance of the fixed fire detection and fire alarm system
- The Master or officers were not familiar with the location, purpose and operation of the vessel's fixed fire detection and fire alarm system
- The responsible officer was not familiar with the maintenance and testing of the fixed fire detection and fire alarm system.
- The vessel was not provided with the fire detector testing equipment appropriate to each type of fire/smoke detector in accordance with the manufacturer's instructions.
- Information was not displayed on or adjacent to each indicating unit about the spaces covered and the location of the sections.
- Where the fire alarm main or repeater control panels were in a space that was not continuously manned there was a delay between a fire being detected and the fire alarms sounding.
- The fixed fire detection and fire alarm system was indicating a fault.
- The fixed fire detection and fire alarm system was not operational.
- One or more individual fire detector sensor was covered or disabled in any manner.
- The machinery space had been operated in the unattended status whilst a zone was isolated, or the fire detector and alarm system was defective.
- The maintenance plan for the vessel's fire protection systems and firefighting systems and appliances did not include the fixed fire detection and fire alarm system or all the required inspections, tests and maintenance.
- There was no maintenance plan for the vessel's fire protection systems and firefighting systems and appliances available.
- The responsible officer was unfamiliar with the maintenance plan for the vessel's fire protection systems and firefighting systems and appliances.
- Records of inspections, tests and maintenance carried out were incomplete.
- Suitable instructions or component spares for testing and maintenance were not available

