

Guidance to SIRE 2.0 Key Points

Ref: 042

5.3.1 Firefighter's outfits including self-contained breathing apparatus (SCBA)

(Observed in Trial Inspection) / TMSA 3.1.4

5.3.1. Were the Master, officers and ratings familiar with the location and use of the vessel's firefighter's outfits including the self-contained breathing apparatus (SCBA), and was the equipment maintained in good condition and ready for immediate use in accordance with company procedures?

Short Question Text

Firefighter's outfits including self-contained breathing apparatus (SCBA)

Vessel Types

Oil, Chemical, LPG, LNG

ROVIQ Sequence

Steering Gear, Forecastle, Emergency Headquarters.

Publications

UK MCA: MSIS 12 Fire protection arrangements. For the guidance of surveyors in surveying fire protection arrangements to ensure compliance with requirements covering merchant ships.

IMO: ISM Code

IMO SOLAS

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

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

IMO: FSS Code

IACS: UI SC275 Rev. 1 2016 Suitable number of spare air cylinders to be provided in connection with drills.

IACS: UI SC291 Safe Type requirements for two-way portable radiotelephone apparatus for fire-fighter's communications (SOLAS Regulation II-2/10.10.4)

Objective

To ensure that crewmembers can respond effectively to a fire or enclosed space rescue situation in accordance with the shipboard emergency plans.

 Following Positive Observations were issued in trial inspection. Exceeded normal expectation. The 2nd officer successfully demonstrated donning of SCBA and the use of various fire fighting equipment (equinor).  Human



Potential Grounds for a Negative Observation

- The firefighter's suits or SCBAs were not stored in the correct location in accordance with the fire plan; unless they were in position for cargo operations in accordance with company procedures.
- The firefighter's outfits were incomplete or defective in any respect.
- The SCBAs and firefighter's outfits were not prepared for immediate use with a fully charged bottle and the required spare bottle(s).
- The accompanying officer was unfamiliar with:
 - The firefighter's outfit or the associated SCBA.
 - The process for filling the SCBA bottles with the onboard compressor, where provided.
- An officer or rating was unable to demonstrate the donning of a SCBA and the safety checks required prior to entering a hazardous environment.
- The maintenance plan for the vessel's fire protection systems and firefighting systems and appliances did not include the firefighter's outfits, SCBA and breathing air compressor or all the required inspections, tests and maintenance.

 Hardware

 Human

 Process

ROTATIONAL

Inspection questions focused on preventing/mitigating risks that could indirectly lead to a catastrophic risk event or directly lead to a lower risk event.



Hardware



Binary



Process



Graduated



Human



Graduated