

Secondary Means of Venting Arrangements for Tankers

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

SOLAS regulation II-2/11.6.1 specifies that venting arrangements (primary means) are required in order to ensure that cargo tank pressures do not exceed design parameters during cargo loading and unloading.

In addition, SOLAS regulation II-2/11.6.3 specifies that either a duplicate venting arrangement (secondary means) or an alternative arrangement such as fitting pressure sensors inside the tank and a pressure monitoring system providing visual and audible alarms in the cargo control room, etc. are to be provided as a precaution against the failure the primary venting arrangement.

IACS revised interpretations related to the failure of primary means and the installation of secondary means and adopted IACS UI SC 140 (Rev.3) specifying requirements relating to the alarm pressure settings of pressure monitoring systems where pressure sensors are fitted as an alternative.

Accordingly, all relevant requirements were amended based on IACS UI SC 140 (Rev.3).

Outline of Amendment

- (1) Regarding the current interpretation that isolation valve failure need not be considered to be a failure of the primary means, a condition was added that this is acceptable only in cases where the cargo is homogenous or for multiple cargoes where the vapours are compatible and do not require isolation.
- (2) Regarding the current interpretation such that P/V breakers fitted on IG mains may be utilised as the secondary means, a condition was added that this is acceptable only in cases where the cargo is homogenous or for multiple cargoes where the vapours are compatible and do not require isolation.
- (3) Specified requirements relating to the pressure monitoring system alarm pressure settings of for ships that use pressure sensors as an alternative to the secondary means.