

Discharge Procedures for Carbon Dioxide Fire-extinguishing Systems

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

Amendments made to Chapter 5 of the International Code for Fire Safety Systems (FSS Code) were adopted as Resolution MSC.206(81) in May 2006 and then subsequently incorporated into the ClassNK Rules. However, after their adoption, certain ambiguities in requirements related to the discharge procedures for carbon dioxide fire-extinguishing systems (Reg. 5.2.2.2 of the FSS Code) were discovered. This led IACS to hold discussions on the development of a unified interpretation that would clarify these ambiguities.

As a result, it was agreed that: the controls for releasing carbon dioxide into protected spaces and the controls for activating pre-discharge alarms can be independent of each other; a single control for activating pre-discharge alarms is sufficient; and, the two separate controls required for discharge procedures should have mechanical and/or electrical interlocks. The above were adopted as IACS UI SC252 in November 2011.

Outline of Amendment

- (1) It has been specified that the controls for releasing carbon dioxide into protected spaces and the controls for activating pre-discharge alarms can be independent of each other.
- (2) It has been specified that a single control for the activation of pre-discharge alarms is sufficient.
- (3) It has been specified that the two separate controls required for discharge procedures should have mechanical and/or electrical interlocks to ensure that they are not operated in the wrong order.