

The Safety Practices of Fixed Carbon Dioxide Fire-extinguishing Systems

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part B

Reason for Amendment

In 1992, the requirement for fixed carbon dioxide fire-extinguishing systems stipulated in SOLAS Convention Chapter II-2 was amended. As a result of this amendment, systems installed on or after 1 October 1994 are required to be equipped with two-step operation systems which use two separate controls for the purpose of releasing carbon dioxide into protected spaces.

However, there was some concern regarding possible accidents caused by an unconsidered actuation of those systems installed before 1 October 1994. Therefore, an amendment to SOLAS Convention Chapter II-2 Regulation 10.4 regarding fixed fire-extinguishing systems was adopted as Resolution MSC.256(84) at the 80th session of the IMO Maritime Safety Committee (MSC 80) held in May 2005.

Accordingly, relevant requirements have been amended in accordance with Resolution MSC.256(84).

Outline of Amendment

Regarding fixed carbon dioxide fire-extinguishing systems installed on ships which were constructed or whose keel was laid before 1 October 1994, it has been specified that actuation requirements using two-step operation systems are to be applied retroactively to such systems and compliance of these systems is to be confirmed at the Occasional Surveys by the first scheduled dry-docking after 1 January 2010.