

High-Expansion Foam Fire-Extinguishing Systems

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part R

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

The requirements for fixed high-expansion foam fire-extinguishing systems in Chapter 6 of the International Code for Fire Safety Systems (FSS code) were developed based on assumption that foam generators would be installed outside spaces protected by such systems. However, because in recent years there has been an increase in the number of ships using high-expansion foam systems that are provided with foam generators installed inside such protected spaces, the IMO Sub-Committee on Fire Protection decided to develop new guidelines.

As a result, at the 84th session of IMO Maritime Safety Committee (MSC 84) held in May 2008, the guidelines for the approval of high-expansion foam systems using the air inside protected spaces were approved as MSC.1/Circ.1271. Accordingly, all relevant requirements have been amended in order to apply adequate requirements to those foam fire-extinguishing systems provided with foam generators installed inside protected spaces.

Outline of Amendment

Regarding high-expansion foam fire-extinguishing systems,

- (1) It has been specified that those foam fire-extinguishing systems provided with foam generators installed inside protected spaces are to comply with other separately designated requirements.
- (2) It has been specified that the requirements of foam fire-extinguishing systems using the air inside protected spaces are to comply with MSC.1/Circ.1271.