

Scope of Application of Fire-resistant Cables

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part H
Guidance for the Survey and Construction of Steel Ships Part H

Reason for Amendment

IACS Unified Requirement (UR) E15(Rev.2) requires that cables used for services required to be operable under fire conditions which pass through high fire risk areas are to be fire resistant.

However, the high fire risk areas defined in IACS UR E15(Rev.2) include certain machinery spaces considered to be “machinery spaces having little or no fire risk” according to MSC/Circ.1120. Therefore, IACS reviewed UR E15(Rev.2) and agreed to amend the definition of “high fire risk area” to be in line with MSC/Circ.1120. Since clarification of such requirements was something strongly desired by relevant industry members, ClassNK decided to amend its Rules accordingly and incorporate the change made to UR E15(Rev. 2) in advance of its official effective date.

In addition to the above, IACS reviewed UR E15(Rev.2) with respect to emergency fire pumps. As a result, IACS decided that cables connected to emergency fire pumps are not to pass through machinery spaces containing main fire pumps and their related equipment. Furthermore, such cables are to be fire resistant when they pass through other high fire risk areas so as to ensure the availability of emergency fire pumps.

All of the aforementioned amendments of UR E15(Rev.2) were adopted by IACS as UR E15 (Rev.3) in December 2014.

Accordingly, relevant requirements were amended in accordance with IACS UR E15(Rev.3).

Outline of Amendment

Requirements related to the installation of cables connected to emergency fire pumps were amended.