

Watertightness of the Cable Penetrations

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part H

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

When cables penetrate bulkheads and decks which are required to have some degree of watertightness, the bulkheads and decks should be constructed so that their watertightness is not impaired and requirements specifying this have already been incorporated into the ClassNK Rules.

However, specific test procedures for confirming that such penetrations do not mar the watertightness of such bulkheads and decks have yet to be developed, and testing to confirm and to approve that certain level of watertightness is assured has instead been conducted on a case-by-case basis in accordance with test conditions developed and agreed upon by those applying for such testing and NK.

In recent years, however, there has not only been an increase in the number of applications for such testing, but also an increased desire for such testing to be conducted in a uniform manner. In response, NK decided to develop specific test procedures to confirm and to approve the watertightness of such penetrations based upon the knowledge it has obtained over the years from conducting such tests.

Outline of Amendment

The main contents of this amendment are as follows:

- (1) Amended the requirements for cable penetration in Chapter 2 of Part H of the Guidance for the Survey and Construction of Steel Ships
- (2) Added the test procedures for the confirmation and approval of the watertightness of cable penetrations in Chapter 1 of Part 4 of Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use.

Amended Requirements

Guidance for the Survey and Construction of Steel Ships

Part H: H2.9.15

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Part 4: 1.1.1, 1.3.2, 1.3.3, 1.4.3, 1.6.1, 1.7.1, 1.10.3, 1.13.3