

Remote Inspection Techniques

Amended Rules and Guidance

Rules for Approval of Manufacturers and Service Suppliers
Rules for the Survey and Construction of Steel Ships Part B
Guidance for the Survey and Construction of Steel Ships Part B

Reason for Amendment

Currently, with the development of remote inspection techniques (RIT) such as drones, industry demand for application of RIT to survey of hull structure is increasing. With the above in mind, IACS revised relevant requirements in order to respond to the application of RIT to classification surveys.

In addition, IACS also revised relevant requirements in order to clarify requirements related to internal examinations of structural downflooding ducts and structural ventilation ducts. As a result, UR Z3(Rev.7), Z7(Rev.26), Z7.1(Rev.14), Z7.2(Rev.7), Z10.3(Rev.18) and Z17(Rev.13) were adopted by IACS in January 2018.

Accordingly, all relevant requirements were amended based upon IACS Unified Requirements Z series.

Outline of Amendment

The main details of the amendment are as follows:

- (1) Added requirements related to approval for firms engaged in survey using remote inspection techniques as an alternative means for close-up survey of the structure of ships and mobile offshore units.
- (2) Added requirements related to classification survey using remote inspection techniques.
- (3) Added requirements related to internal examinations of structural downflooding ducts and structural ventilation ducts.

Amended Requirements

Rules for Approval of Manufacturers and Service Suppliers
Part 3: 1.1.1, 1.1.3, 2.1.1, 3.1.1, 3.2.1, 3.2.2, 3.3.1, 3.4.1, 3.5.1, Chapter 16
Rules for the Survey and Construction of Steel Ships
Part B: 1.3.1, 1.4.6, 1.5.2, 3.2.5, 4.2.5, 5.2.4, 5.2.5, 6.1.2
Guidance for the Survey and Construction of Steel Ships
Part B: B1.4.2, B1.4.6, B6.1.2