# Failure Detection and Response for All Types of Steering Control Systems

**Amended Rules and Guidance**

Rules for the Survey and Construction of Steel Ships Part D
Rules for High Speed Craft
Rules for the Survey and Construction of Inland Waterway Ships
Guidance for the Survey and Construction of Steel Ships Part D
Guidance for the Survey and Construction of Inland Waterway Ships

**Reason for Amendment**

IACS Unified Requirement (UR) E25 specifies requirements related to failure detection and response for all types of steering control systems; however, the wording of the UR is unclear with respect to the methods to be used to stop rudders in cases where steering control system failure is detected. For this reason, IACS adopted IACS UR E25 (Rev.1) in December 2019 so as to clarify matters.

Accordingly, relevant requirements were amended based upon IACS UR E25.

In addition, the requirements related to failure detection and response for steering control systems were being moved from the Guidance for the Survey and Construction of Steel Ships Part D to the Rules for the Survey and Construction of Steel Ships Parts D so that relevant requirements in the ClassNK Rules will also be in line with IACS UR E25 (Rev.1). This is being done as part of a comprehensive review of ClassNK Rules.

**Outline of Amendment**

The main contents of this amendment are as follows:

(1) Specified that the rudder is to stop in the current position without manual intervention.
(2) Moved requirements related to failure detection and response for steering control systems from the Guidance for the Survey and Construction of Steel Ships Part D to the Rules for the Survey and Construction of Steel Ships Parts D

**Amended Requirements**

Rules for the Survey and Construction of Steel Ships
Part D: 15.3.1
Rules for High Speed Craft
Par 9: 9.3
Rules for the Survey and Construction of Inland Waterway Ships
Part 7: 12.3.1
Guidance for the Survey and Construction of Steel Ships
Part D: D15.3.1
Guidance for the Survey and Construction of Inland Waterway Ships
Part 7: 12.3.1