

Alternative Inspections for Internal Examinations of Boilers

Amended Rules

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

Reason for Amendment

IACS Unified Requirement (UR) Z18(Rev.5) specifies requirements related to the visual internal inspections, etc. to be carried out during surveys of boilers. ClassNK has already incorporated these requirements into its Rules.

During actual surveys of boilers, however, it may not be possible to carry out such a visual inspection as the internal examination required by UR Z18(Rev.5) in cases where the size of the boiler is small, the interior of the boiler is narrow, etc. Therefore, IACS reviewed the UR in order to take into account such situations.

As a result, IACS decided to amend UR Z18(Rev.5) to specify that the direct visual internal inspection by a surveyor may be replaced by a hydrostatic pressure test or by alternative verification methods in cases where a direct visual internal inspection is not feasible due to boiler size limitations. This amendment was approved as Z18(Rev.6) in August 2016.

Accordingly, relevant requirements were amended in accordance with Z18(Rev.6).

Outline of Amendment

Specified that direct visual internal inspection may be replaced by a hydrostatic pressure test or by alternative verifications as deemed appropriate by the Society in cases where a direct visual internal inspection is not feasible due to boiler size limitations.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part B: Table B7.1
Rules for High Speed Craft Part 2 3.7.3
Rules for the Survey and Construction of Inland Waterway Ships Part 2 Table 2.7.1