

# **Shop Tests for Generators**

## **Amended Rules**

Rules for the Survey and Construction of Steel Ships Part H  
Rules for the Survey and Construction of Inland Waterway Ships

## **Reason for Amendment**

IACS Unified Requirement (UR) E13 requires voltage regulation tests and steady short circuit tests for generators to confirm their capability with respect to the fluctuation of operating conditions such as abrupt changes of loads and the short-circuit condition. These requirements have already been incorporated into the ClassNK Rules.

Although UR E13 permits the relaxation or omission of such tests for generators of identical type, etc., some of the conditions for doing so are unclear. Therefore, IACS conducted a review of UR E13 and adopted UR E13(Rev.2) in August 2015.

Accordingly, relevant requirements are amended in accordance with IACS UR E13(Rev.2)

## **Outline of Amendment**

- (1) Specified that voltage regulation tests may be omitted and the voltage regulation during transient conditions may instead be calculated values based upon the test records of identical type generators.
- (2) Specified the documents to be submitted in cases where the relaxation or omission of steady short-circuit tests is adopted for new generator types.