

## **A.C. Generating Sets**

### **Amended Rules**

Rules for the Survey and Construction of Steel Ships Parts D and H  
Rules for High Speed Craft  
Rules for the Survey and Construction of Inland Waterway Ships

### **Reason for Amendment**

IACS Unified Requirements (URs) M3(Rev.6), M51(Rev.4), M53(Rev.6) specify the requirements for reciprocating internal combustion engines, while UR E13(Rev.2) specifies the requirements for alternators.

A.C. generating sets are typically composed of alternators, reciprocating internal combustion engines, couplings, etc., and the requirements for each of these components are, as mentioned above, specified in various URs; however, it is not only necessary to confirm the specification and performance of each of these individual components, but also of the A.C. generating sets themselves, which is not something covered in the aforementioned URs. For this reason, IACS developed new requirements specifically for A.C. generating sets and adopted these requirements as UR M80 in May 2019.

Accordingly, relevant requirements were amended based upon IACS UR M80.

### **Outline of Amendment**

The main contents of this amendment are as follows:

- (1) Specified that rating plates are to be installed on A.C. generating sets.
- (2) Specified that the submission of the torsional vibration calculations sheets may be omitted in the cases where the engine power of the generating set is less than 110 kW.

### **Amended Requirements**

Rules for the Survey and Construction of Steel Ships  
Part D: 1.3.10, 8.1.2  
Part H: 2.4.14  
Rules for High Speed Craft  
Par 9: 1.2.8  
Rules for the Survey and Construction of Inland Waterway Ships  
Part 7: 1.3.8, 1.4.2, 6.1.2  
Part 8: 2.4.14