

Wind Turbine Installation Ships

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Parts U, O and P
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Reason for Amendment

In Chapter 11, Part O of the ClassNK Rules, provisions for ships used to install wind turbines (i.e., “wind turbine installation ships”) are specified, and assume that such ships are capable of self-propulsion using their own propelling machinery. Recently, however, plans for constructing wind turbine installation ships which have no propelling machinery have been under consideration, so the aforementioned provisions need to be clarified regarding their application to such ships.

As a result, ClassNK discussed the clarification of the application of its requirements as they pertain to wind turbine installation ships which have no propelling machinery, and comprehensively reviewed the provisions of Chapter 11, Part O of ClassNK Rules to make clear which requirements need to be applied according to ship type. Accordingly, relevant requirements were amended in accordance with this review.

In addition, stability requirements during lifting operations were specified based upon the intact stability criteria for ships engaged in lifting operations (IMO resolution MSC.415(97)) adopted at the 97th Session of the IMO Maritime Safety Committee (MSC 97).

Outline of Amendment

The main contents of this amendment are as follows:

- (1) Amended relevant requirements to specify that self-elevating wind turbine installation ships are, in principle, subject to the requirements of Part P.
- (2) Specified that special consideration is to be paid to mobile offshore units, including wind turbine installation ship, which has a large embarking capacity.
- (3) Specified stability requirements during lifting operations.

Amended Requirements

Rules for the Survey and Construction of Steel Ships

Part U: 1.1.1

Part O: 1.2.6, 3.2.1, 3.2.2, 11.1.1, 11.2.1, 11.2.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 11.10, 11.11, 11.12, 11.13, 11.14

Part P: 11.1.4, 12.1.2, 12.1.3, 12.1.5, 12.1.6, 12.1.8, 14.1.1

Guidance for the Survey and Construction of Steel Ships

Part U: U1.1.1, Annex U1.1.1-4

Part O: O1.2.6, O3.2.1, O3.2.2, O11.2.1, O11.2.2, O11.4, O11.7, O11.8, O11.9, O11.10,

Part P: P11.1.4, P12.1.3, P12.1.5, P12.1.6