

Treatment of Ventilators in Stability Calculation

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Parts C, U, and V

Guidance for the Survey and Construction of Passenger Ships

Reason for Amendment

At the 101st Session of the IMO Maritime Safety Committee (MSC101) held in June 2019, amendments to IMO circulars specifying interpretations related to the treatment of ventilators in stability calculations for both damage and intact conditions were adopted as MSC.1/Circ.1535/Rev.1, MSC.1/Circ.1537/Rev.1 and MSC.1/Circ.1539/Rev.1

These amendments newly stipulated how closed ro-ro and vehicle spaces are to be treated in stability calculations.

Accordingly, relevant requirements were amended based upon MSC.1/Circ.1535/Rev.1, MSC.1/Circ.1537/Rev.1 and MSC.1/Circ.1539/Rev.1.

Outline of Amendment

- (1) Specified that ventilators provided with weathertight closing appliances which have to remain open so as to supply air to closed ro-ro and vehicle spaces for operational reasons are to be treated in stability calculations as unprotected openings.
- (2) Specified that alternative arrangements that provide an equivalent level of safety may be used in cases where the treatment given in (1) above is not technically feasible.

Amended Requirements

Guidance for the Survey and Construction of Steel Ships

Part C: C4.2.3

Part U: U1.1.4

Part V: V2.2.1

Guidance for the Survey and Construction of Passenger Ships Part 4: 2.3.6