

LL80 Unprotected openings

(June 2016)

(Rev.1

June 2022)

Interpretation of Regulation 27(13)(e) of the International Convention on Load Lines, 1966, as amended by the Protocol of 1988 as amended by resolution MSC.329(90).

Subdivision and Damage stability

ICLL Regulation 27(13)(e) reads as follows:

Condition of equilibrium

When any part of the deck outside the compartment assumed flooded in a particular case of damage is immersed, or in any case where the margin of stability in the flooded condition may be considered doubtful, the residual stability is to be investigated. It may be regarded as sufficient if the righting lever curve has a minimum range of 20° beyond the position of equilibrium with a maximum righting lever of at least 0.1 m within this range. The area under the righting lever curve within this range shall be not less than 0.0175 m.rad. The Administration shall give consideration to the potential hazard presented by protected or unprotected openings which may become temporarily immersed within the range of residual stability.

Interpretation

Unprotected openings include Ventilators (complying with ICLL 19(4)) that for operational reasons have to remain open to supply air to the engine room, or emergency generator room or closed ro-ro and vehicle spaces (if the same is considered buoyant in the stability calculation or protecting openings leading below) for the effective operation of the ship, are to be considered as unprotected openings with regard to the residual range of stability.

Note:

1. This Unified Interpretation is to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 January 2017.
2. The “contracted for construction” date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of “contract for construction”, refer to IACS Procedural Requirement (PR) No. 29.
3. Rev.1 is to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 July 2023.

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