

# SC 280

(June 2016)

## Angle of down-flooding ( $\phi_f$ ) / Angle at which an opening incapable of being closed weathertight ( $\theta_v$ )

(2008 IS Code, International Grain Code, SOLAS/Ch.II-1-Reg.7-2)

$\phi_f$  is an angle of heel at which openings in the hull, superstructures or deckhouses which cannot be closed weathertight immerse.

(2008 IS Code & International Grain Code)

$\theta_v$  is the angle, in any stage of flooding, where the righting lever becomes negative, or the angle at which an opening incapable of being closed weathertight becomes submerged.

(SOLAS/Ch.II-1-Reg.7-2)

### Interpretation

In applying  $\Phi_f$  or  $\theta_v$ , openings which cannot be or are incapable of being closed weathertight include ventilators (complying with ILLC 19(4)) that for operational reasons have to remain open to supply air to the engine room or emergency generator room (if the same is considered buoyant in the stability calculation or protecting openings leading below) for the effective operation of the ship.

---

#### 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.

End of Document
-----------------