

# SC 288 Carriage of Dangerous Goods – Required Air Changes

(Dec 2018)

**SOLAS Reg. II-2/19.3.4.1 reads:**

## **3.4 Ventilation**

*3.4.1 Adequate power ventilation shall be provided in enclosed cargo spaces. The arrangement shall be such as to provide for at least six air changes per hour in the cargo space, based on an empty cargo space, and for removal of vapours from the upper or lower parts of the cargo space, as appropriate.*

**SOLAS Reg. II-2/19.3.5.4 reads:**

## **3.5 Bilge Pumping**

*3.5.4 Enclosed spaces outside machinery spaces containing bilge pumps serving cargo spaces intended for carriage of flammable or toxic liquids shall be fitted with separate mechanical ventilation giving at least six air changes per hour. If the space has access from another enclosed space, the door shall be self-closing.*

**SOLAS Table 19.1 reads:**

*Note 1 for container cargo spaces:*

*.....For classes 2, 3, 6.1 and 8 when carried in closed freight containers, the ventilation rate may be reduced to not less than two air changes per hour. For classes 4 and 5.1 liquids when carried in closed freight containers, the ventilation rate may be reduced to not less than two air changes per hour.....*

## **Interpretation**

1. The reduced air changes per hour as per Note 1 of Table 19.1 apply equally to the ventilation air change requirements in SOLAS Reg. II-2/19.3.4.1 and in SOLAS Reg. II-2/19.3.5.4, when the bilge pump is located directly inside a container cargo space.
2. In such a case, where several container cargo spaces are served by the same bilge pump, the bilge pump is to be installed in the container cargo space with the highest ventilation rate, compared to the other container cargo spaces.

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Note:

1. This Unified Interpretation is to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 January 2020.
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.

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