

# **Air Quality Control System in Closed Vehicle Spaces and Closed Ro-ro Spaces**

## **Amended Rules and Guidance**

Rules for the Survey and Construction of Steel Ships Parts B and R  
Guidance for the Survey and Construction of Steel Ships Parts B and R  
Guidance for the Survey and Construction of Passenger Ships

## **Reason for Amendment**

SOLAS II-2/20.3 stipulates the capacity of ventilation systems in closed vehicle spaces and closed ro-ro spaces, requiring that the power ventilation system is to be in operation at all times in principle.

Meanwhile, the introduction of an air quality control system which can measure the atmosphere in the spaces and automatically regulate the capacity of the ventilation was proposed and taken under consideration by the IMO.

Consequently, the amendments to SOLAS II-2/20.3 were adopted at the 95<sup>th</sup> session of the IMO Maritime Safety Committee (MSC95) held in June 2015 as IMO resolution MSC.392(95) to allow the operation at a decreased number of air changes and/or decreased amount of ventilation if an air quality control system is provided on board. In relation to the above, MSC.1/Circ.1515 was approved as the revision of MSC/Circ.729, which is the design guidelines and operational recommendations for ventilation systems in ro-ro cargo spaces.

Accordingly, relevant requirements were amended in accordance with IMO resolution MSC.392(95) and MSC.1/Circ.1515.

## **Outline of Amendment**

Specified that ships which are provided with air quality control systems in closed vehicle spaces and closed ro-ro spaces are allowed to operate at a decreased number of air changes and/or decreased amount of ventilation.

## **Amended Requirements**

Rules for the Survey and Construction of Steel Ships  
Part B: 2.1.2  
Part R: 20.3.1  
Guidance for the Survey and Construction of Steel Ships  
Part B: B4.2.3  
Part R: R20.3.1  
Guidance for the Survey and Construction of Passenger Ships  
Part 7 2.1.1, Annex 7-1 Table 7-1-A1