

# **The Requirements for Drainage of Ro-Ro Spaces Equipped with Fixed Water Pressure Spraying Systems**

## **Amended Rules and Guidance**

Rules for the Survey and Construction of Steel Ships Part D  
Guidance for the Survey and Construction of Steel Ships Part R  
Rules for the Survey and Construction of Passenger Ships

## **Reason for Amendment**

In 2006, the Panamanian registered passenger ferry Al-Salam Boccaccio 98 capsized in the Red Sea. An accumulation of fire extinguishing water is said to have been the cause of this accident. This accident led the IMO to consider ways to prevent the accumulation of fire extinguishing water in Ro-Ro spaces. As a result, at the 84<sup>th</sup> session of IMO Maritime Safety Committee (MSC 84) held in May 2008, amendments to regulation 20 of SOLAS II-2 designed to strengthen the ability to drain water and provide means to prevent to the blockage of drain openings in Ro-Ro spaces equipped with fixed water pressure spraying systems was approved as MSC.256(84)

In accordance, guidelines which provide the specific requirements on such arrangements was approved as MSC.1/Circ.1320 and amendments to regulation 35-1 of SOLAS II-1 regarding bilge pumping arrangements were been approved as MSC.282(86) at the 86<sup>th</sup> session of IMO Maritime Safety Committee (MSC 86) held in June 2009.

The amendments made to Regulation 20 of SOLAS II-2 were incorporated in NK rules in 2009.

Accordingly, all relevant requirements have been amended based on MSC.1/Circ.1320 and MSC.282(86).

## **Outline of Amendment**

- (1) In cases where fixed pressure water-spraying systems are fitted in closed vehicle and Ro-Ro spaces, it has been specified that provisions for drainage are to comply with the additional requirements to Part R regarding drainage capacity.
- (2) In cases where fixed pressure water-spraying systems are fitted in vehicle and Ro-Ro spaces, the specific requirements for required capacity of associated drainage arrangements have been specified.
- (3) In cases where fixed pressure water-spraying systems are fitted in closed vehicle and Ro-Ro spaces, the specific requirements related to the means to be provided to prevent the blockage of drainage arrangements have been specified.