

Fire Integrity of Compartments for the Chemical Storage Tanks for Selective Catalytic Reduction Systems, Exhaust Gas Recirculation Systems and Exhaust Gas Cleaning Systems

Amended Guidance

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

Reason for Amendment

With the recent tightening of environmental regulations, the installation of selective catalytic reduction (SCR) systems, exhaust gas recirculation (EGR) systems and exhaust gas cleaning systems (EGCS) is increasing. Although a tank for storing the urea solution or sodium hydroxide solution to be supplied to these devices may be installed directly within the engine room itself, such a tank may, in some cases, also be installed in a compartment separated from the engine room for temperature control reasons. In such cases, however, it was unclear as to which categories for determining the fire integrity of divisions between adjacent spaces, as defined in SOLAS II-2/9, were to be applied.

For this reason, a unified interpretation clarifying applicable category to such spaces was proposed and agreed to at the 6th Session of the IMO Sub-committee on Ship Systems (SSE 6) held in March 2019. This unified interpretation was subsequently approved as MSC.1/Circ.1616 at the 101st Session of the IMO Maritime Safety Committee (MSC 101) held in June 2019

Accordingly, relevant requirements were amended in accordance with MSC.1/Circ.1616.

Outline of Amendment

Specified that spaces containing urea or sodium hydroxide solution tanks for selective catalytic reduction systems, exhaust gas recirculation systems or exhaust gas cleaning systems are considered to be “other machinery spaces”.

Amended Requirements

Guidance for the Survey and Construction of Steel Ships
Part R: Table R9.2.3-1

Guidance for the Survey and Construction of Passenger Ships Annex 7-1 Table 7-1-A1