

# Lighting in Cargo Pump Rooms

## Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part R

## Reason for Amendment

Presently, the ClassNK Rules require the installation of interlock devices between ventilation systems and lighting installed in cargo pump rooms in order to prevent the development of human health problems related to a shortage of oxygen. However, with respect to emergency lighting, the ClassNK Rules specify that such interlock devices can be omitted.

Normally, such as in the case of ships where some lighting for cargo oil pump rooms is commonly used as emergency lighting, interlock devices are required since such lighting also serves as main lighting. However, even in cases where the interlock devices for such lighting also used as emergency lighting has been removed, it is still possible to sufficiently prevent the development of human health problems related to a shortage of oxygen due to the remaining interlock devices between the main lighting and ventilation system. Hence, main lighting also used as emergency lighting is simply treated as emergency lighting.

In response to the above, the relevant requirements concerning the handling of main lighting also used as emergency lighting are amended.

## Outline of Amendment

It is specified that in cases where main lighting in cargo pump rooms is also used as emergency lighting, such lighting is to be treated as emergency lighting.