

# **Extremely Thick Steel Plates for Container Carriers**

## **Amended Rules and Guidance**

Rules for the Survey and Construction of Steel Ships Part C

Guidance for the Survey and Construction of Steel Ships Part C, K and M

## **Reason for Amendment**

In recent years, as the size of container carriers has continued to increase, there has also been a corresponding increase in the use of steel plates over 50 mm thick (i.e., extremely thick steel plates) for the hatch side coamings, and strength decks, etc. of such ships.

In response to this, IACS held discussions about the application of such plates for hatch side coamings, and strength decks, etc. As a result, IACS Unified Requirement S33 was adopted in January 2013.

Accordingly, relevant requirements were amended based on the UR S33.

## **Outline of Amendment**

- (1) Specified requirements related to the prevention of brittle fractures in container carrier applying extremely thick steel plates.
- (2) Specified requirements related to the non-destructive inspections for extremely thick steel plates.
- (3) Specified requirements related to brittle crack arrest designs for container carriers applying extremely thick steel plates.
- (4) Specified requirements related to the steel plates with properties for prevention of brittle crack propagation (brittle crack arrest steel).