

# Pontoon Barges

## Amended Rule

Rules for the Survey and Construction of Steel Ships Part Q

## Reason for Amendment

Pontoon barges are widely operated in the areas where there are many islands such as South-east Asia. The recent economic development of such areas has led to increases in both the volume of freight being transported by such barges as well as the number of such barges being built.

The technical requirements for all barges are specified in Part Q of the Rules for the Survey and Construction of Steel Ships and requirements specifically related to pontoon barges can be found in Chapter 21. However, the requirements regarding pontoon barges were not amended at all since Part Q was established during the 1970s. Because of this, some members of industry have requested that the current requirements be revised to make them more rational and reflective of recent technologies.

Therefore, responding to such requests, structural requirements for pontoon barges have been amended based upon actual construction and service records, etc.

## Outline of Amendment

- (1) Requirements related to the section modulus of hull of pontoon barges were amended as 21.2.2, Part Q.
- (2) Requirements related to the section modulus of longitudinal beams of pontoon barges were amended.
- (3) Requirements related to the increase in thickness of the lowest strake of watertight bulkhead plating were amended as 21.2.10, Part Q.
- (4) Requirements related to the shell plating at the strengthened bottom forward were amended as 21.2.11, Part Q.