Acid Corrosion-resistant Treatment for Ships Carrying Dangerous Chemicals in Bulk

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part S

Reason for Amendment

Special requirements related to the carriage of acid in bulk are specified in Chapter 15 of the *International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk* (hereinafter referred to as the "IBC Code").

For ships carrying dangerous chemicals in bulk, IACS Unified Interpretation (UI) CC6 stipulates that corrosion resistant linings may be used for steel tanks and related piping systems with corrosion-resistant materials. UI CC6 specifies a definition for the term "lining" and requirements related to this definition have already been incorporated into the NK Rules, and the use of such linings is permitted by the Society.

Recently, IACS reviewed the definition of "lining" in IACS UI CC6 as part of a periodical review of its UIs. As a result of this review, IACS decided to adopt UI CC6(Rev.1) to clarify said definition.

Accordingly, relevant requirements were amended based on IACS UI CC6(Rev.1).

Outline of Amendment

Amended requirements related to the definition of "lining".

"Rules for the survey and construction of steel ships" has been partly amended as follows:

Part S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK

Chapter 15 SPECIAL REQUIREMENTS

S15.11 Acids

Paragraph S15.11.2 has been amended as follows.

S15.11.2 Lining with Corrosion-resistant Materials

1 "Lining" is an acid-resistant material that is applied to the tank or piping system in a solid state ~~with a defined elasticity property~~ (i.e. not sprayed on).

2 The wording "elasticity of the lining is not to be less than that of the supporting boundary plating" in **15.11.2, Part S of the Rules**, means to the prevention of debonding at the interfaces between linings and lined surfaces.

~~2~~**3** The use of lining with corrosion-resistant materials is to be applied also to the casing walls of cargo pump room (the bottom and casings to a height of 1 *m* from the bottom).