

Earthing of Cargo Piping Systems in Tankers

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part D
Guidance for the Survey and Construction of Steel Ships Part D

Reason for Amendment

Recently, there was a report of sparking occurring in the cargo piping arrangements of a tanker. An investigation into the cause of this problem confirmed said sparking was the result of butterfly valves fitted with non-conductive gaskets not being sufficiently grounded.

In response to the above, IACS reviewed IACS Unified Requirement (UR) E9 which specifies requirements related to the control of static electricity in cargo tanks and piping systems, etc. and amended UR E9 to clearly specify that valves with non-conductive gaskets, etc. are to be properly bonded. This amendment was adopted revisions as IACS UR E9(Rev.1) in October 2012.

Accordingly, relevant requirements were amended based upon IACS UR E9(Rev.1).

Outline of Amendment

- (1) Specified that all wafer-style valves fitted with non-conductive gaskets, etc. are to be properly bonded.
- (2) Specified that requirements related to earthing and bonding are to comply with IACS UR E9(Rev.1).