

Elongation of Welding Consumables

Amended Guidance

Rules for the Survey and Construction of Steel Ships Part M

Reason for Amendment

Table M6.60 in Chapter 6 of the ClassNK Rules, Part M specifies requirements related to the deposited weld metal tests of welding consumables for quenched and tempered high tensile steels used for ship structures. These requirements are based on IACS Unified Requirement (UR) W23, which was adopted in 1996. However, because the requirements in UR W23 related to elongation in deposited weld metal tests were deemed to be too strict, their incorporation into the ClassNK Rules was postponed until the true impact of said requirements could be assessed.

Since then, however, no specific problems related to the actual implementation of these elongation requirements have been observed. Therefore, the ClassNK Rules were amended to base the requirements related to elongation in deposited weld metal tests on those specified in UR W23.

Outline of Amendment

The requirements related to elongation in deposited weld metal tests were amended according to IACS UR W23.