

Approval of Manufacturing Process of Rolled Steels, etc.

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part K

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

- (1) As there are no clearly-stated requirements regarding the approval of manufacturing processes of pipes other than those for steel pipes, ClassNK treats all metal pipes in accordance with the approval of the manufacturing processes of steel pipes. Therefore, the relevant requirements have been amended that the manufacturing processes for pipes other than steel pipes are to be in accordance with the requirements for steel pipes.
- (2) High temperature characteristics tests (High temperature tensile tests and Creep tests) require approval tests of the manufacturing processes of rolled steels for boilers, etc. However, data from a sufficient number of actual results has been analyzed, and no concerns regarding high temperature strength have been reported. Therefore, the relevant requirements have been amended to delete high temperature characteristics tests from the list of approval test items.
- (3) At the renewal of approval, data expressed in the form of histograms or statistics are required to be submitted regarding actual manufacturing records. Such examinations are to be carried out on products at delivery, and in cases where there are no actual manufacturing records approved by the Society, releases for similar products (grade, chemical composition, etc.) including those products approved by other Classification Societies are submitted. As identified above, it is not necessary to submit such information. Therefore, the relevant requirements have been amended to allow some flexibility with regard to submission of actual manufacturing records at the renewal of approval.

Outline of Amendment

- (1) The relevant requirements have been amended so that pipes other than steel pipes are to be manufactured in accordance with the requirements for steel pipes.
- (2) The relevant requirements have been amended to delete the high temperature characteristics tests from the list of approval test items.
- (3) The relevant requirements have been amended to simplify the documentation to be submitted regarding actual manufacturing records expressed in the form of histograms or statistics which were heretofore required at the renewal of approval.