

# **Non-destructive Inspection Plans**

## **Amended Guidance**

Guidance for the Survey and Construction of Steel Ships Part M

## **Reason for Amendment**

Annex M1.4.2-3(1), Part M of Guidance for the Survey and Construction of Steel Ships specifies requirements related to non-destructive inspections for the welded joints of hull constructions. According to these requirements, a non-destructive inspection plan containing information and data about the number of inspections and the non-destructive inspection process, etc. is to be submitted and approved prior to welding works; Moreover, the locations for said non-destructive inspections were to be decided by the surveyor upon completion of the welding work.

On the other hand, although the requirements for non-destructive inspections specified in both Part CSR-B of the Rules for the Survey and Construction of Steel Ships and IACS Recommendation No. 20 related to the submission and approval of non-destructive inspection plans state that such plans are to contain the same information and data required by Part M of the Guidance, these requirements also specify that non-destructive inspection plans are to indicate the locations for said inspections, which was different from Part M of the Guidance.

Therefore, relevant requirements in Part M of the Guidance were amended so that they are consistent with corresponding requirements in Part CSR-B of the Rules and IACS Recommendation No. 20.

In addition to the above, it is also specified that special consideration are to be given to the handling of non-destructive inspection plan such as making the plans available to only the personnel in charge of the non-destructive inspection and its supervision; Furthermore, surveyors may require changes in the locations of non-destructive inspections when deemed necessary, even after the non-destructive inspection plan has been approved, in order to increase the effectiveness of the inspection.

## **Outline of Amendment**

- (1) Specified that the locations of non-destructive inspections are required to be included in non-destructive inspection plans.
- (2) Specified that manufacturers are to give special consideration to the handling of non-destructive inspection plans such as making the plans available to only the personnel in charge of the non-destructive inspection and its supervision, etc. to ensure the inspection is properly carried out.
- (3) Specified that surveyors may require changes in the locations of non-destructive inspections where deemed necessary, even after the non-destructive inspection plan has been approved.