

Subject :

Amendment of Rules for the Survey and
Construction of Steel Ships and
Other Rules

NKTECHNICAL INFORMATION

No. : 201

Date : 28th November, 1996

To Shipowners and Shipbuilders concerned

PLEASE BE INFORMED THAT the Rules for the Survey and Construction of Steel Ships and Other Rules have been amended in 28th November, 1996, and will come into force on 1st January, 1997.

It will not be long before the above mentioned Rules are published.

1. Partial Amendments to Rules and Guidance for the Survey and Construction of Steel Ships, Part B (Preventative Maintenance Survey System for Oil-Lubricated propeller Shafts)

Propeller shaft surveys for oil-lubricated propeller shafts can be postponed for up to ten years from the date of the last propeller shaft survey provided that it is a Kind C postponement survey. Instead of this method, an alternative survey system in which surveys may be extended up to five years has been stipulated for ships which have undergone a periodical oil sampling and analysis and which carry out regular maintenance in accordance with the results such sampling and analysis on their oil-lubricated propeller shafts (Preventative Maintenance Survey System).

In addition to the above, the interval for open-up-inspection for propeller attachments to their propeller shaft that was uniformly limited to five years has been stipulated to be enlarged up to the extended shaft drawing date but less than ten years from the last open-up-inspection for ships with keyless propeller attachments or coupling flanges at the shaft ends. (The amendment will come into force on 1st July, 1997, English edition only)

2. Partial Amendments to Rules for the Survey and Construction of Steel Ships, Part B, C and CS and Guidance for the Survey and Construction of Steel Ships, Part C and CS (Bow Doors)

In view of the sinking and other casualties of ro-ro ships due to the falling off of the bow doors, IACS has revised its Unified Requirements (UR) S8, Bow Doors and Inner Doors, in order to enhance the safety of bow and inner doors. The stipulations of these UR have been incorporated in the Rules of the Society.

3. Partial Amendments to Rules for the Survey and Construction of Steel Ships, Part B and Part C, and Guidance for the Survey and Construction of Steel Ships, Part B, part C and Part P (Position Keeping System)

The Position keeping system is an important system for offshore structures and work vessels which intend to operate in a specific sea area kept a specific location. The guideline for vessels with Dynamic Positioning Systems has been adopted by IMO as MSC/Circular 645, in 1994. The Rules and Guidance for the Survey and Construction of Steel Ships, Part P has been newly added to the provisions on the Dynamic Positioning Systems based on this Circular. And also Rules and Guidance for the Survey and Construction of Steel Ships, Part B has been newly added to the requirements for the survey of these systems. Further more, Part B has been amended the requirements for the survey of anchors, chain cables, etc. which are used to the anchor mooring system, tension mooring systems, etc., based on the guidelines discussed by IACS.

4. Partial Amendments to Guidance for the Survey and Construction of Steel Ships, Part C (Guidance for Preparation of Loading Manuals)

Some parts of descriptions about the single hull construction have been amended to match the double hull construction owing to the change to the double hull construction of tankers.

ClassNK NIPPON KAIJI KYOKAI
4-7, KIOI-CHO, CHIYODA-KU,
TOKYO 102, JAPAN.

TELEX : 22975 CLASSNKJ
2324280 CLASNKJ
CABLE : CLASSNK TOKYO

5. **Partial Amendments to Rules for the Survey and Construction of Steel Ships, Part C, Part CS and Part S, and Guidance for the Survey and Construction of Steel Ships, Part C and Part CS (Tankers)**
Chapter 29 of Part C and Chapter 24 of Part CS, which include structural requirements for single hull tankers, have no longer been effective from 6th of this July as Regulation 13F of MARPOL 73/78 Annex I requires tankers to be as double hull construction on and after that date. Then, these have been deleted after transferring requirements related to construction of wing tanks to Chapter 30 of Part C.
6. **Partial Amendments to Rules for the Survey and Construction of Steel ships, Part D and Guidance for the Survey and Construction of Steel Ships, Part B and D (Windlasses)**
It was decided to incorporate the present JIS F 6714(1995) regarding windlasses in its entirety. Further, requirements for windlasses and mooring winches were prescribed separately, along with the insertion of test and inspection requirements.
7. **Partial Amendments to Rules and Guidance for the Survey and Construction of Steel Ships, Part D and K (Propeller shafts made of stainless steel and propeller shafts driven by high speed diesel engines)**
The requirements have been amended so that propeller shafts made of the materials which are verified in their corrosion resistance from the assessment can be treated as propeller shaft Kind 1. (Japanese edition only, English edition has been issued already)
8. **Partial Amendments to Rules and Guidance for the Survey and Construction of Steel Ships, Part D (Fire safety measures)**
Some Rules of machinery installations which related on fire safety measures in machinery spaces have been amended with incorporating amended Chapter II-2 in the Annex to SOLAS and the Society's report "Engine Room Fire: Guidance to Fire Prevention" in 1994.
Contents of the amendment
 - Countermeasures to prevent oil from spraying at flange joints and special joints
 - Shields of fuel injection pipings of diesel engines (irrespective of their size)
 - Flammable oil tanks in machinery spaces to have no opening in the machinery space
 - Flammable oil strainers in machinery spaces to have a cock or valve to relieve internal pressure
 - Incinerators to have a cleaning hole at the bending part
 - etc.
9. **Partial Amendments to Rules for the Survey and Construction of Steel Ships, Part D and Guidance for the Survey and Construction of Steel Ships, Part C (Required Diameter of Fixing Bolts on Propeller Blades)**
Necessary revision to the formula to determine diameter of fixing bolts on propeller blades (including the case of ice strengthening) has been made incorporating the method to estimate the fluctuation in the bending moment acting on propeller blades.
10. **Partial Amendments to Rules and Guidance for Survey and Construction of Steel Ships, Part K and Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use (Test Samples, Test Methods and Rolled Steel)**
Related rules have been amended in accordance with IACS UR regarding test samples and methods for base materials and welded joints, normal and higher strength hull structural steels (grade A to grade F390), and high-strength quenched and tempered steels for welded structures (grade A420 to F690).
11. **Partial Amendments to Guidance for the Survey and Construction of Steel Ships, Part R (Sea Suction and Outlet Valves on Fire Pumps in M0 Ships)**
Related provision in the Guidance has been added. In case where it is not possible to open the sea suction and outlet valves of main fire pumps remotely on cargo ships with periodically unattended machinery spaces or cargo ships on which only one person is required to be on watch, such valves are to be left open with posted warning "Keep open".

12. Partial Amendments to Rules and Guidance for the Survey and Construction of Steel Ships, Part U (Stability Requirements for Passenger Ships)

The IACS UR L2 requirements concerning intact stability in conformance with IMO Res.A167 and A562 are to be applied to all ships, including passenger ships. The current Rules, however, do not include passenger ships among those ships to which the requirements apply. The pertinent chapters U of the Rules to be in accordance with the IACS UR is applied to passenger ships. (English edition only)

13. Partial Amendments to Rules and Guidance for Cargo handling appliances (Separation of Load Tests from Periodic Surveys Items)

Load tests have been separated from the current survey items covered during periodical surveys into an independent periodic test and inspection. These load tests may be postponed up to twelve months. In addition, single block test loads have been revised to 4W without a becket and 6W with a becket for all safe working loads. (English edition only)

14. Partial Amendments to Rules for the Survey and Construction of Steel Ships, Part A, Part N, Part S, Part P, Part R, Part U, Part V, Rules for the Marine Pollution Prevention System, Rules for the Safety Equipment and Rules for the Radio Installations (Special National Requirements)

The requirements have been amended so that the expressions and descriptions concerned with special national requirements by Flag States are given in the Rules of the Society have been standardized so as to make them uniform throughout the Rules.

-- The End --

Charged Department: Class NK Development Department
Tel : 03-5226-2025 Fax : 03-5226-2024