

Subject:

Technical requirements of radio
installations for ships flying
flags of other than Japan

NK TECHNICAL INFORMATION

No. 78

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To Shipowners and Shipbuilders concerned

The World Administrative Radio Conference for the Mobile Service of ITU (International Telecommunication Union, one of Organizations of the United Nations like the International Maritime Organization (IMO)) was held at Geneva in Switzerland in 1979, 1983 and 1987.

At the Conferences, reviews concerning radio installations for the maritime mobile services as well as the land and aeronautical mobile services were made and the amendments to the Radio Regulations were adopted.

1. Brief outlines of the amendments to the Radio Regulations, some of which should be considered as a part of the requirements of SOLAS safety radio regulations, are as follows;

(1) Decisions at each Conference

a. Conference in 1979

Tighter transmitter frequency tolerances in the technical characteristics of radio installations.

b. Conference in 1983

Decision of frequencies to be used in GMDSS (Global Maritime Distress and Safety System).

c. Conference in 1987.

A great deal of revision of channelling arrangements in HF bands (new allocation of the frequencies) including frequencies to be used in GMDSS.

(continued)



(2) Implementation scheme:

a. Transmitter frequency tolerances

All transmitters --- after 1 Jan. 1990

b. Alteration of frequencies used in HF band

New allocation of the frequencies --- after 1 July 1991

It should be recommended that appropriate measures be taken to radio transmitter installations according to the above implementation scheme unless they meet the amendments.

Change of each crystal piece of oscillator, alteration of crystal controlled oscillator unit to free synthesizer units, etc. would be considered as measures to make the transmitters meet the amendments concerning frequency tolerances. In case where alteration of crystal controlled oscillator unit to free synthesizer units is adopted, it might be possible to cope with the amendments concerning new allocation of the frequencies in HF band.

2. NK's action at the coming SOLAS safety radio surveys

At the coming due SOLAS safety radio renewal surveys, the Society are going to check if the main and the reserve transmitters on board ships meet the amendments concerning frequency tolerances. If they do not, the Society can only issue a conditional certificate valid for two months.

Whenever you have any question to the above please feel free to contact Machinery Department of the Head Office for instructions.