



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 694

POSITIONING OF MAGNETIC COMPASSES IN SHIPS

1st EDITION
March 1968

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BRIEF HISTORY

The ISO Recommendation R 694, *Positioning of magnetic compasses in ships*, was drawn up by Technical Committee ISO/TC 8, *Shipbuilding details*, the Secretariat of which is held by the Netherlands Normalisatie-instituut (NNI).

Work on this question by the Technical Committee began in 1958 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In October 1965, this Draft ISO Recommendation (No. 858) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Argentina	Finland	Sweden
Australia	India	U.A.R.
Austria	Ireland	United Kingdom
Belgium	Israel	U.S.S.R.
Brazil	Netherlands	Yugoslavia
Canada	New Zealand	
Czechoslovakia	Spain	

Four Member Bodies opposed the approval of the Draft :

France
Germany
Italy
Japan

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1968, to accept it as an ISO RECOMMENDATION.

POSITIONING OF MAGNETIC COMPASSES IN SHIPS

INTRODUCTION

In order to obtain satisfactory and durable compensation of compasses, this ISO Recommendation should be taken into consideration during the design stage of a ship.

1. GENERAL

1.1 Scope

This ISO Recommendation deals with the installation in ships of magnetic compasses and binnacles complying with the requirements of the following ISO Recommendations :

ISO/R 449, *Magnetic compasses and binnacles, Class A, for use in sea navigation;*
ISO/R 613, *Magnetic compasses, binnacles and azimuth reading devices, Class B,*
General requirements.

In addition, it covers magnetic elements used in navigational aids.

It should be noted that this ISO Recommendation is established only for general purposes. It is not necessarily applicable to all sea-going ships.

1.2 Compass positions

The specifications governing the minimum distance of a compass from magnetic material take into consideration the accuracy required of that compass for normal navigation.

1.3 Safe distances

Safe distances from the compass are prescribed for magnetic and electrical equipment and inductive circuits. They are defined as the minimum distances considered necessary for any of these items in order to eliminate or greatly reduce interference with the performance of the compass.