
**Acoustics — Measurement of airborne
sound emitted by vessels on inland
waterways and harbours**

*Acoustique — Mesurage du bruit aérien émis par les bateaux de navigation
intérieure et portuaire*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2922 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

This second edition cancels and replaces the first edition (ISO 2922:1975), which has been technically revised.

Acoustics — Measurement of airborne sound emitted by vessels on inland waterways and harbours

1 Scope

This International Standard specifies the conditions for obtaining reproducible and comparable measurement results of the airborne sound emitted by vessels of all kinds on inland waterways and in ports and harbours, except powered recreational craft as specified in ISO 14509. This International Standard is applicable to small sea-going vessels, harbour vessels, dredgers, and all watercraft including non-displacement craft, used or capable of being used as a means of transport on water.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

IEC 60942, *Electroacoustics — Sound calibrators*.

IEC 61260, *Electroacoustics — Octave-band and fractional-octave-band filters*.

IEC 61672-1, *Electroacoustics — Sound level meters — Part 1: Specifications*.¹⁾

3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1

acceptance test for vessels

acceptance test

measurement performed to prove that the sound emitted by the vessel, stationary or in motion, as delivered by the manufacturer, complies with noise specifications or prescribed limits

3.2

monitoring test for vessels

monitoring test

measurement performed in order to check that the sound emitted by the vessel, stationary or in motion, is still within prescribed limits and that no noticeable changes have occurred since the acceptance on initial delivery or after modification, as applicable

1) To be published. (Revision of IEC 60651 and IEC 60804)