



**International
Standard**

ISO 17208-1

**Underwater acoustics — Quantities
and procedures for description and
measurement of underwater sound
from ships —**

**Part 1:
Requirements for precision
measurements in deep water used
for comparison purposes**

AMENDMENT 1

*Acoustique sous-marine — Grandeurs et modes de description et
de mesurage de l'acoustique sous-marine des navires —*

*Partie 1: Exigences pour les mesurages en eau profonde utilisées
pour des besoins de comparaison*

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 3, *Underwater acoustics*.

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Underwater acoustics — Quantities and procedures for description and measurement of underwater sound from ships —

Part 1:

Requirements for precision measurements in deep water used for comparison purposes

AMENDMENT 1

Scope, last paragraph

Add the following sentence at the end of the paragraph:

"The procedure for that purpose is described in ISO 17208-2."

Normative references

Replace "ISO 18405—¹)" with "ISO 18405" and delete footnote (1).

Replace "IEC 61260" by "IEC 61260-1".

3.21

Replace the definition of radiated noise level with the following:

level of the product of the distance from a ship reference point of a sound source, d , and the far field root-mean-square sound pressure, $p_{\text{rms}}(d)$, at that distance for a specified reference value in deep water

In Note 1 to entry and Note 4 to entry, replace the symbol LRN by L_{RN} .

Add the following text after Note 5 to entry:

Note 6 to entry: Deep water is any location where the water depth is in accordance with the minimum test site requirements (see 5.2).

4.3, first paragraph

Replace the last sentence by the following:

"All frequency-domain averaging shall be linear in power, with sampling consistent with the data window period (DWP), see 6.1."

4.3, *third paragraph*

Replace the first sentence by the following:

"The broadband processing shall cover the one-third octave (base 10) bands from 10 Hz to 20 000 Hz, Class 1. According to ISO 18405, an alternative name for one-third octave (base 10) is decidecade."

5.5, *Figure 3*

Replace the label of key 11 by the following:

"11 Williamson turn"

Bibliography

Add the following International Standard at the end of Bibliography:

"[12] ISO 17208-2, *Underwater acoustics — Quantities and procedures for description and measurement of underwater sound from ships — Part 2: Determination of source levels from deep water measurements*"

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