

SC 304 MSC.337(91) Code on noise levels onboard ships - calibration of sound instruments

(Oct 2024)

MSC.337(91) regarding measuring equipment reads as follows:

“2.1 Equipment specifications

2.1.1 Sound level meters

Measurement of sound pressure levels shall be carried out using precision integrating sound level meters subject to the requirements of this chapter. Such meters shall be manufactured to IEC 61672-1(2002-05)¹ type/class 1 standard as applicable, or to an equivalent standard acceptable to the Administration².

¹ Recommendation for sound level meters.

² Sound level meters class/type 1 manufactured according to IEC 651/IEC 804 may be used until 1 July 2016.

2.2 Use of equipment

2.2.1 Calibration

Sound calibrators shall comply with the standard IEC 60942 (2003-01) and shall be approved by the manufacturer of the sound level meter used.

2.2.2 Check of measuring instrument and calibrator

Calibrator and sound level meter shall be verified at least every two years by a national standard laboratory or a competent laboratory accredited according to ISO 17025 (2005) as corrected by (Cor 1:2006).”

Interpretation

1. The calibration shall be carried out in accordance with IEC 61672-3 for sound level meters and IEC 60942 Appendix B for field calibrators. The edition of the calibration standard shall correspond with the edition of the manufacturing standard for the instruments. The measurement company shall provide documentation about the standard which has been met if not clearly marked on the sound level meter or field calibrator. The documentation, or marking, shall include a clear statement about the results of the periodic tests and which performance class the instrument meets after calibration.

Note:

1. This Unified Interpretation is to be uniformly implemented by IACS Societies for equipment used to conduct noise measurement in accordance with MSC.337(91) from their next calibration due date on or after 1 July 2026.

End of Document
