Indian Standard

STATISTICAL METHODS OF DETERMINING AND VERIFYING STATED NOISE EMISSION VALUES OF MACHINERY AND EQUIPMENT

PART 1 GENERAL CONSIDERATIONS AND DEFINITIONS

1 Scope and field of application

This part of ISO 7574 defines terms relating to methods for determining and verifying the stated (e, g. labelled) values of the noise emitted by machinery and equipment.

This four-part series of International Standards applies both to machines which are produced in very small quantities as well as to machines which are produced by mass production methods.

2 References

ISO 3534, Statistics — Vocabulary and symbols.

ISO 3741, Acoustics — Determination of sound power levels of noise sources — Precision methods for broad-band sources in reverberation rooms.

ISO 3742, Acoustics — Determination of sound power levels of noise sources — Precision methods for discrete-frequency and narrowband sources in reverberation rooms.

ISO 3743, Acoustics — Determination of sound power levels of noise sources — Engineering methods for special reverberation test rooms.

ISO 3744, Acoustics — Determination of sound power levels of noise sources — Engineering methods for free- field conditions over a reflecting plane.

ISO 3745, Acoustics — Determination of sound power levels of noise sources — Precision methods for anechoic and semi-anechoic rooms.

ISO 3746, Acoustics — Determination of sound power levels of noise sources — Survey method.

ISO 3951, Sampling procedures and charts for inspection by variables for percent defective.

ISO 4871, Acoustics – Noise labelling of machinery and equipment.

ISO 5725, Precision of test methods — Determination of repeatability and reproducibility by inter-laboratory tests.

IEC Publication 651, Sound level meters.