

(PREVIEW)

Indian Standard

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY — NOISE MEASUREMENT — METHOD OF TEST

PART 1 NOISE AT THE OPERATOR'S POSITION — SURVEY METHOD

1. Scope

This International Standard specifies a method for the measurement of the noise at the position of the operator(s) of a tractor or machine used in agriculture and forestry. The measured noise relates only to the basic machine and applies to self-propelled tractors and machines with either machine-carried or pedestrian operators. The results will provide information which will enable operators to avoid exposing themselves to noise levels which could put their hearing at risk.

The test procedures specified in this International Standard are survey methods as defined in ISO 2204.

This International Standard also specifies the general conditions for measuring and reporting the noise at an operator's position on agricultural and forestry tractors and field machines.

Additional conditions for measurements in connection with particular types of machines are specified in annexes as follows:

Annex A — Agricultural and forestry tractors

Annex B — Self-propelled agricultural machines

Annex C — Pedestrian-controlled agricultural machines

Annex D — Forestry forwarders and skidders

The conditions specified for the operation of the machines during the measurements are designed to provide a realistic and repeatable assessment of the maximum noise to which an operator should be subjected when operating a machine.

NOTE 1 Further annexes specifying, for example, additional conditions for other types of agricultural and forestry machinery may be included in future revisions of this International Standard.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2204:1979, *Acoustics — Guide to International Standards on the measurement of airborne acoustical noise and evaluation of its effects on human beings*

ISO 5353 1995, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

IEC 651 1979, *Sound level meters*

IEC 942 1988, *Sound calibrators*

IEC 1260 1995, *Electroacoustics — Octave-band and fractional-octave-band filters*