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**Agricultural and forestry tractors —  
Measurement of noise emitted when  
in motion**

*Tracteurs agricoles et forestiers — Mesurage du bruit émis en  
mouvement*



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

This second edition cancels and replaces the first edition (ISO 7216:1992), of which has been technically revised for the technical harmonization with OECD Code 2, 4.8: July 2014.

## Introduction

Technical harmonization with OECD is ensured by the Maintenance Agency operating as specified in [Annex A](#).



# Agricultural and forestry tractors — Measurement of noise emitted when in motion

## 1 Scope

This International Standard specifies a method for measuring the A-weighted sound pressure level of the noise emitted by agricultural and forestry tractors while the vehicle is in motion.

The conditions specified for the operation of the agricultural and forestry tractors during the measurements are defined to provide a realistic and repeatable assessment of the maximum noise emitted when it is in motion.

This International Standard is applicable to agricultural and forestry tractors, fitted with elastic tyres or rubber tracks.

It is not applicable to special forestry machinery, for example, forwarders, skidders, etc., as defined in ISO 6814 and agricultural and forestry tractors, fitted with steel tracks.

**NOTE** The test method calls for an acoustical environment which can only be obtained in an extensive open space.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61672-1, *Electroacoustics — Sound level meters*

IEC 60942, *Electroacoustics — Sound calibrators*

ISO 6814:2009, *Machinery for forestry — Mobile and self-propelled machinery — Terms, definitions and classification*

## 3 Terms and definitions

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

### 3.1

#### **agricultural tractor**

self-propelled agricultural vehicle having at least two axles and wheels, or endless tracks, particularly designed to pull agricultural trailers and pull, push, carry and operate implements used for agricultural work (including forestry work), which may be provided with a detachable loading platform

**Note 1 to entry:** The agricultural vehicle has a maximum design speed of not less than 6 km/h and may be equipped with one or more seats.

[SOURCE: ISO 12934:2013, 3.1]