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Radiofrequency identification of animals — Advanced transponders —

Part 1: Air interface

*Identification des animaux par radiofréquence — Transpondeurs
évolués —*

Partie 1: Interface hertzienne



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

ISO 14223-1 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 19, *Agricultural electronics*.

This second edition cancels and replaces the first edition (ISO 14223-1:2003), which has been technically revised.

ISO 14223 consists of the following parts, under the general title *Radiofrequency identification of animals — Advanced transponders*:

- *Part 1: Air interface*
- *Part 2: Code and command structure*

The following part is under preparation:

- *Part 3: Applications*

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Introduction

This part of ISO 14223 specifies the air interface of the radiofrequency (RF) system for advanced transponders for animals. The technical concept of advanced transponders for animal identification described is based upon the principle of radiofrequency identification (RFID) and is an extension of the standards ISO 11784 and ISO 11785. Apart from transmission of the (unique) identification code of animals, the application of advanced technologies facilitates the storage and retrieval of additional information (integrated database), the implementation of authentication methods and the reading of data from integrated sensors, etc.

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