
**Radiofrequency identification of
animals —**

Part 2:
**Evaluation of conformance of RFID
transceivers with ISO 11784 and ISO
11785**

Identification des animaux par radiofréquence —

*Partie 2: Évaluation de la conformité des émetteurs-récepteurs RFID à
l'ISO 11784 et à l'ISO 11785*





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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Conformance	3
5 Abbreviated terms	3
6 Application	3
7 Test procedures	4
7.1 General	4
7.2 Activation field frequency	4
7.3 Functional test	4
7.4 Timing of activation field	5
7.5 Wireless synchronization test	5
7.6 Test apparatus	6
7.7 Test setups	7
7.8 Test conditions	9
Annex A (normative) Test application form (ISO 24631-2)	10
Annex B (normative) Conditions of use of transceiver registration (ISO 24631-2)	11
Bibliography	12

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).

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).

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 voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document 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 24631-2:2009), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a check has been included that the reading of the manufacturer/country code and the identification code is not affected by the RUDI bit (see [7.3](#)).

A list of all parts in the ISO 24631 series can be found on the ISO website.

Introduction

ISO has appointed a registration authority (RA) competent to register manufacturer codes used in the radiofrequency identification (RFID) of animals in accordance with ISO 11784 and ISO 11785.

The registration authority for ISO 11784 and ISO 11785 can be found under http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/maintenance_agencies.htm.

This document deals with the conformance of RFID transceivers.

Radiofrequency identification of animals —

Part 2:

Evaluation of conformance of RFID transceivers with ISO 11784 and ISO 11785

1 Scope

This document provides the means of evaluating the conformance with ISO 11784 and ISO 11785 of radiofrequency identification (RFID) transceivers used in the individual identification of animals. It also specifies the procedure for applying for a transceiver test registration and the associated rights and obligations of the parties involved.

This document includes a wireless synchronization test applicable to mobile transceivers; however, it contains no provision for evaluating the wired synchronization of stationary transceivers.

The test procedures specified in this document are recognized by the Federation of European Companion Animals Veterinary Association (FECAVA) and World Small Animal Veterinarian Association (WSAVA) and, as such, can be applied also to companion animals.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11784, *Radio frequency identification of animals — Code structure*

ISO 11785:1996, *Radio frequency identification of animals — Technical concept*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

accreditation

third-party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks

[SOURCE: ISO/IEC 17000:2004, 5.6]

3.2

registration reference number

number issued to the *manufacturer* (3.6) of a registered *transceiver* (3.12) by the *registration authority* (3.11)

EXAMPLE ISO 24631-2 2017-02-001