

Information technology — Radio frequency identification device conformance test methods —

Part 7: Test methods for active air interface communications at 433 MHz

ICS 35.040

National foreword

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This document comprises a front cover, an inside front cover, the ISO/IEC TR title page, pages ii to v, a blank page, pages 1 to 14, an inside back cover and a back cover.

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TECHNICAL REPORT

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Information technology — Radio frequency identification device conformance test methods —

Part 7: Test methods for active air interface communications at 433 MHz

*Technologies de l'information — Méthodes d'essai de conformité du
dispositif d'identification de radiofréquence —*

*Partie 7: Méthodes d'essai pour des communications actives d'une
interface d'air à 433 MHz*



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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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

In exceptional circumstances, the joint technical committee may propose the publication of a Technical Report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC TR 18047-7, which is a Technical Report of type 2, was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

ISO/IEC TR 18047 consists of the following parts, under the general title *Information technology — Radio frequency identification device conformance test methods*:

- *Part 3: Test methods for air interface communications at 13,56 MHz*
- *Part 4: Test methods for air interface communications at 2,45 GHz*
- *Part 7: Test methods for active air interface communications at 433 MHz*

Test methods for air interface communications below 135 kHz and at 860 MHz to 960 MHz will form the subjects of the future Parts 2 and 6, respectively.

Introduction

ISO/IEC 18000-7 defines the air interface for radio frequency identification (RFID) devices operating in the 433,92 MHz Industrial, Scientific, and Medical (ISM) band used in item management applications. The purpose of this part of ISO/IEC TR 18047 is to provide a test method for ISO/IEC 18000-7.

This part of ISO/IEC TR 18047 contains all compliance measurements required to be fulfilled by a product in order to be compliant to ISO/IEC 18000-7.

