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**Information technology — Radio
frequency identification device
conformance test methods —**

**Part 6:
Test methods for air interface
communications at 860 MHz to 960 MHz**

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

*Partie 6: Méthodes d'essai pour des communications d'une interface
d'air à 860 MHz et jusqu'à 960 MHz*

Reference number
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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.

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 18047-6 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

This first edition of International Standard ISO/IEC 18047-6 cancels and replaces the previous edition of Technical Report ISO/IEC TR 18047-6:2011.

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

- *Part 2: Test methods for air interface communications below 135 kHz*
- *Part 3: Test methods for air interface communications at 13,56 MHz* [Technical Report]
- *Part 4: Test methods for air interface communications at 2,45 GHz* [Technical Report]
- *Part 6: Test methods for air interface communications at 860 MHz to 960 MHz*
- *Part 7: Test methods for active air interface communications at 433 MHz* [Technical Report]

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Introduction

ISO/IEC 18000 defines the air interfaces for radio frequency identification (RFID) devices used in item management applications. ISO/IEC 18000-6 defines the air interface for these devices operating at frequencies from 860 MHz to 960 MHz.

ISO/IEC 18047 provides test methods for conformance with the various parts of ISO/IEC 18000.

Each part of ISO/IEC 18047 contains all measurements required to be made on a product in order to establish whether it conforms to the corresponding part of ISO/IEC 18000. For this part of ISO/IEC 18047, each interrogator and each tag needs to support at least one of the types A or B or C or D.

NOTE Test methods for interrogator and tag performance are covered by the multiple parts of ISO/IEC 18046.