

Third edition
2015-03-01

Information technology — Automatic identification and data capture techniques — Unique identification —

Part 2: Registration procedures

Technologies de l'information — Identification automatique et techniques de capture de données — Identification unique —

Partie 2: Procédures d'enregistrement

Reference number
ISO/IEC 15459-2:2015(E)





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Published in Switzerland

This is a preview of "ISO/IEC 15459-2:2015". [Click here to purchase the full version from the ANSI store.](#)

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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.

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 document 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).

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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/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

This third edition cancels and replaces the second edition (ISO/IEC 15459-2:2006), which has been technically revised.

ISO/IEC 15459 consists of the following parts (as a result of the reconstruction of previously published parts 1 to 8), under the general title *Information technology — Automatic identification and data capture techniques — Unique identification*:

- *Part 1: Individual transport units*
- *Part 2: Registration procedures*
- *Part 3: Common rules*
- *Part 4: Individual products and product packages*
- *Part 5: Individual returnable transport items (RTIs)*
- *Part 6: Groupings*

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Introduction

Unique identification can occur at many different levels, at item level, on the transport unit, on the returnable transport item, at grouping levels, and elsewhere. Such entities are often handled by several parties, both public and private, throughout their lifecycle. Each of these parties must be able to identify and trace such distinct entities so that reference can be made to associated information such as quality inspection data, the chemical substance contained, the batch or lot number of parts, components or raw materials, etc.

The associated information is typically held in some kind of database. The information can be accessed using EDI exchange or another appropriate access protocol, e.g. a directory access protocol.

There are considerable benefits if the identity of the entity is represented as a bar code or other AIDC (Automatic Identification and Data Capture) media and attached to, or made a constituent part of, that which is being uniquely identified so that:

- it can be read electronically, thus minimizing errors;
- one identity can be used by all parties;
- each party can use the identity to look up its computer files to find the data associated with the entity.

All AIDC technologies have the potential to encode an identity. It is expected that application standards, using various automatic identification technologies, will be developed based upon the identity as a prime key. These application standards, which can include additional rules for which level of identification should be used, are often made available from the Issuing Agency.

The procedures and obligations needed to construct an identity to achieve unique identification of an entity are defined in this part of ISO/IEC 15459.