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Information technology — Automatic identification and data capture (AIDC) techniques — Vocabulary

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Foreword

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

This second edition cancels and replaces the first edition of ISO/IEC 19762:2016, which has been technically revised.

The main changes are as follows:

— French, Russian, Germany and Korean terms have been deleted;

— outdated terms have been deleted;

— the sources in terminological entries have been updated;

— the abbreviated terms have been updated and moved to Annex A.

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Introduction

This document is intended to facilitate international communication in information technology, specifically in the area of automatic identification and data capture (AIDC) techniques by defining terms used across multiple AIDC techniques.

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Information technology — Automatic identification and data capture (AIDC) techniques — Vocabulary

1 Scope

This document defines general terms used in automatic identification and data capture (AIDC) on which are based further specialized sections in various technical fields, as well as the essential terms to be used by non-specialist users in communication with specialists in AIDC.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 Terms related to general concepts

3.1.1 Basic general concepts

3.1.1.1
bit
binary digit
either of the digits 0 or 1 when used in the binary numeration system

3.1.1.2
information bit
bit (3.1.1.1) used for the representation of user data, rather than for control purposes

3.1.1.3
least significant bit
LSB
<representation of data> *bit* (3.1.1.1) position having the smallest weight used in positional notation

3.1.1.4
most significant bit
MSB
<representation of data> *bit* (3.1.1.1) position having the largest weight used in positional notation

3.1.1.5
byte
string that consists of a number of *bits* (3.1.1.1), treated as a unit, and usually representing a character or a part of a character

Note 1 to entry: The number of bits in a byte is fixed for a given data processing system.

Note 2 to entry: The number of bits in a byte is usually 8.

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