

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

Part 1: General terms relating to AIDC

ICS 01.040.35; 35.040

National foreword

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The UK participation in its preparation was entrusted to Technical Committee IST/34, Automatic identification and data capture (AIDC) techniques, which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO/IEC title page, pages ii to v, a blank page, pages 1 to 20, an inside back cover and a back cover.

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

Part 1: General terms relating to AIDC

*Technologies de l'information — Techniques d'identification
automatique et de capture de données (AIDC) — Vocabulaire
harmonisé —*

Partie 1: Termes généraux relatifs à l'AIDC



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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.

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ISO/IEC 19762-1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

ISO/IEC 19762 consists of the following parts, under the general title *Information technology — Automatic identification and data capture (AIDC) techniques — Harmonized vocabulary*:

- *Part 1: General terms relating to AIDC*
- *Part 2: Optically readable media (ORM)*
- *Part 3: Radio frequency identification (RFID)*

Introduction

ISO/IEC 19762 is intended to facilitate international communication in information technology, specifically in the area of automatic identification and data capture (AIDC) techniques. It provides a listing of terms and definitions used across multiple AIDC techniques.

Abbreviations used within each part of ISO/IEC 19762 and an index of all definitions used within each part of ISO/IEC 19762 are found at the end of each document.

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

Part 1: General terms relating to AIDC

Scope

This part of ISO/IEC 19762 provides general terms and definitions in the area of automatic identification and data capture techniques on which are based further specialized sections in various technical fields, as well as the essential terms which should be used by non-specialist users in communication with specialists in automatic identification and data capture techniques.

Classification of entries

The numbering system employed within ISO 19762 is in the format nn.nn.nnn, in which the first two numbers (**nn**.nn.nnn) represent the “Top Level” reflecting whether the term is related to 01 = Common to All AIDC Techniques, 02 = Common to All Optically Readable Media, 03 = Linear Bar Code Symbols, 04 = Two-dimensional Symbols, and 05 = Radio Frequency Identification. The second two numbers (nn.**nn**.nnn) represent the “Mid Level” reflecting whether the term is related to 01 = Basic Concepts/Data, 02 = Technical Features 03 Symbolology, 04 = Hardware, and 05 = Applications. The third two or three numbers (nn.nn.**nnn**) represent the “Fine” reflecting a sequence of terms.

The numbering in this part of ISO/IEC 19762 employs “Top Level” numbers (**nn**.nn.nnn) of 01

Terms and definitions

01.01.01

digital

pertaining to **data** that consist of digits as well as to processes and functional units that use those data

[ISO/IEC 2382-1:1993 01.02.04]

NOTE 1 Represented in a binary form rather than a continuously varying analogue form.

NOTE 2 In the context of integrated artwork, produced by a number of discrete dots rather than a continuous image.

01.01.02

error(1)

⟨**digital data**⟩ result of capture, storage, processing or communication of data in which a bit or bits assume the wrong values, or bits are missing from a data stream

01.01.03

error(2)

discrepancy between a computed, observed, or measured value and condition and the true, specified, or theoretically correct value or condition