Australian Standard®

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

Part 1: General terms relating to AIDC

This Australian Standard® was prepared by Committee IT-034, Automatic Identification and Data Capture Techniques. It was approved on behalf of the Council of Standards Australia on 15 November 2006.
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The following are represented on Committee IT-034:

- Australian Custom Service
- Australian Data Capture Association
- Australian Electrical and Electronic Manufacturers Association
- Australian Retailers Association
- Australian Veterinary Association
- Department of Communications, Information Technology and the Arts
- Department of Defence
- Department of Primary Industries, Vic
- RFID Association of Australia
- The University of Adelaide
- GS1

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-034, Automatic Identification and Data Capture Techniques.

The objective of this Standard is to provide 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.

This Standard is identical with, and has been reproduced from ISO/IEC 19762-1:2005, *Information technology—Automatic identification and data capture (AIDC) techniques—Harmonized vocabulary*—Part 1: *General terms relating to AIDC*.

As this Standard is reproduced from an international standard, the following applies:

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text 'this part of ISO/IEC 19762' should read 'this Australian Standard'.

(c) A full point substitutes for a comma when referring to a decimal marker.

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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.

AUSTRALIAN STANDARD

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 Symbology, 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