

Australian Standard<sup>®</sup>

**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.

This Standard was published on 27 December 2006.

---

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
- 

This Standard was issued in draft form for comment as DR 06525.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

---

### **Keeping Standards up-to-date**

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting [www.standards.org.au](http://www.standards.org.au)

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.org.au](mailto:mail@standards.org.au), or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

Australian Standard<sup>®</sup>

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

**Part 1: General terms relating to AIDC**

First published as AS ISO/IEC 19762.1—2006.

**COPYRIGHT**

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7940 9

## 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.

## CONTENTS

	<i>Page</i>
<b>Scope</b> .....	<b>1</b>
<b>Classification of entries</b> .....	<b>1</b>
<b>Terms and definitions</b> .....	<b>1</b>
<b>Abbreviated terms</b> .....	<b>15</b>
<b>Index</b> .....	<b>17</b>

## 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