



## **Design for access and mobility**

### **Part 1: General requirements for access—New building work**

**STANDARDS**  
Australia



This Australian Standard® was prepared by Committee ME-064, Access for People with Disabilities. It was approved on behalf of the Council of Standards Australia on 18 November 2009.

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The following are represented on Committee ME-064:

- AUSTRROADS
- Association of Consultants in Access Australia
- Australian Association of Occupational Therapists
- Australian Building Codes Board
- Australian Industry Group
- Australian Institute of Architects
- Australian Institute of Building
- Australian Institute of Building Surveyors
- Blind Citizens Australia
- Consumers Federation of Australia
- Deafness Forum of Australia
- Disabled Persons Assembly New Zealand
- Housing Industry Association
- Human Rights and Equal Opportunity Commission
- Independent Living Centres Australia
- Master Builders Australia
- Mobility Research Centre New Zealand
- Physical Disability Australia
- Property Council of Australia

Additional Interests:

- Attorney General's Department
- 

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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 the public comment period.

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Australian Standard®

**Design for access and mobility**

**Part 1: General requirements for  
access—New building work**

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-064, Access for People with Disabilities, to supersede AS 1428.1—2001.

A2 | *This Standard incorporates Amendment No. 1 (November 2010) and Amendment No. 2 (February 2017). The changes required by the Amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Amendment No. 2 for this consolidated version of the Standard was released to incorporate a correction to Figure 14(a) in accordance with Amendment No. 1, which was omitted in the earlier consolidation.*

This Standard is part of a series that is comprised of the following:

### AS

- 1428 Design for access and mobility
- 1428.1 Part 1: General requirements for access—New building work (this Standard)
- 1428.2 Part 2: Enhanced and additional requirements—Building and facilities
- 1428.3 Part 3: Requirements for children and adolescents with physical disabilities
- 1428.5 Part 5: Communication for people who are deaf or hearing impaired

### AS/NZS

- 1428 Design for access and mobility
- 1428.4.1 Part 4.1: Means to assist the orientation of people with vision impairment—Tactile ground surface indicators

The objective of this Standard is to provide building designers and users (architects, property owners and regulators) with the minimum design requirements for new building work to enable access for people with disabilities.

Because of the variety of situations which may need to be addressed when designing buildings and facilities, it is seen as necessary for the Standard to provide a range of data so that the requirements for access can be met and allow for flexibility in design where limitations are imposed by other building conditions. The intention is to make the Standard a practical reference document for designers, particularly with regard to problem areas such as doorways and sanitary facilities.

The Building Code of Australia and *Disability (Access to Premises—Buildings) Standards* define where access for people with a disability is required and reference a number of Australian Standards (including this Standard) to provide technical solutions to meet deemed-to-satisfy provisions.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

The use of Notes in this Standard are of an advisory nature only to give explanation or guidance to the user on recommended design considerations or technical procedures, or to provide an informative cross-reference to other documents or publications. Notes to clauses in this Standard do not form a mandatory part for compliance with this Standard.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

## CONTENTS

	<i>Page</i>
FOREWORD .....	4
1 SCOPE .....	5
2 APPLICATION .....	5
3 NORMATIVE REFERENCES .....	6
4 DEFINITIONS .....	7
5 DIMENSIONS .....	7
6 CONTINUOUS ACCESSIBLE PATHS OF TRAVEL .....	9
7 FLOOR OR GROUND SURFACES ON CONTINUOUS ACCESSIBLE PATHS OF TRAVEL AND CIRCULATION SPACES .....	14
8 SIGNAGE .....	17
9 TACTILE GROUND SURFACE INDICATORS (TGSIs) .....	23
10 WALKWAYS, RAMPS AND LANDINGS .....	23
11 STAIRWAYS .....	46
12 HANDRAILS .....	54
13 DOORWAYS, DOORS AND CIRCULATION SPACE AT DOORWAYS .....	56
14 SWITCHES AND GENERAL PURPOSE OUTLETS (POWER POINTS) .....	67
15 SANITARY FACILITIES .....	68
16 SANITARY COMPARTMENT FOR PEOPLE WITH AMBULANT DISABILITIES .....	90
17 GRABRAILS .....	93
18 ASSEMBLY BUILDINGS .....	93
APPENDICES	
A EXAMPLES OF VERBS .....	99
B THE MEASUREMENT OF LUMINANCE CONTRAST BETWEEN BUILDING ELEMENTS .....	101
C SUMMARY OF REQUIREMENTS FOR WALKWAYS, RAMPS AND LANDINGS .....	107
BIBLIOGRAPHY .....	111

## FOREWORD

This Standard describes basic minimum technical details for accessible buildings.

The Building Code of Australia (BCA) and *Disability (Access to Premises—Buildings) Standards* (Premises Standards) provides information on which classes of buildings are to be made accessible and prescribes the specific areas within those buildings where access must be provided. The BCA and Premises Standards refer to this Standard and other Standards as a means of compliance with the deemed-to-satisfy access provisions of the BCA and Premises Standards.

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## STANDARDS AUSTRALIA

### Australian Standard Design for access and mobility

#### Part 1: General requirements for access—New building work

## 1 SCOPE

This Standard specifies the design requirements for new building work, as required by the Building Code of Australia (BCA) and the *Disability (Access to Premises – Buildings) Standards* (Premises Standards), to provide access for people with disabilities. Particular attention is given to—

- (a) continuous accessible paths of travel and circulation spaces for people who use wheelchairs;
- (b) access and facilities for people with ambulatory disabilities; and
- (c) access for people with sensory disabilities.

NOTE: The BCA and Premises Standards set out requirements for other features of the accessible built environment not covered in this Standard, such as lifts, hearing augmentation, tactile ground surface indicators, signage, glazing, lighting, car parking and toilet numbers, and distribution.

This Standard does not include requirements for—

- (i) wheelchairs that have dimensions exceeding those shown in Figure 1; or
- (ii) motorized scooters.

## 2 APPLICATION

This Standard is referenced by the BCA and the Premises Standards for the provision of access for people with disabilities. As a BCA and Premises Standards referenced document, it is applicable to buildings as and when specified in the BCA and Premises Standards.

NOTE: Compliance with this Standard may also be required by other regulatory authorities.

This Standard provides the technical detail required to achieve the level of access for a deemed-to-satisfy solution.

The requirements specified in this Standard are intended to permit general use of buildings and facilities by people with disabilities acting independently, or where a person's usual method of operation is with an assistant, in the company of that assistant.

NOTE: The Standard is based on data resulting from empirical testing of persons aged between 18 and 60 years and may not be appropriate when applied to persons outside this age range.

The dimensions stated in this Standard, relevant to the use of wheelchairs, relate to the 80th percentile wheelchair size and user (see Figure 1), except at the following locations where the 90th percentile dimensions are required:

- (a) On an accessway, at the location of a turn greater than 60°.
- (b) New accessible sanitary facilities.