

Australian Standard[®]

Design for access and mobility

**Part 2: Enhanced and additional
requirements—Buildings and
facilities**

This Australian Standard was prepared by Committee ME/64, Access For People With disabilities. It was approved on behalf of the Council of Standards Australia on 26 November 1991 and published 10 February 1992.

The following interests are represented on Committee ME/64:

Access Australia
ACROD
Australian Chamber of Manufactures
Australian Council on the Ageing
Australian National Council of and for the Blind
Australian Uniform Building Regulations Coordinating Council
Building Owners and managers Association of Australia
Department of Administrative Services—Australian Construction Services
Department of Housing, New South Wales
Department of Housing and Local Government, Queensland
Department of the Premier and Cabinet, South Australia
Master Builders Construction and Housing Association, Australia
National Committee of Independent Living Centres
Royal Australian Institute of Architects
Royal Melbourne Institute of Technology
South Australian Department of Housing and Construction
Telecom Australia

Additional interest participating in preparation of Standard:

Paraplegic and Quadriplegic Association of Victoria

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PREFACE

This Standard was prepared by the Standards Australia Committee on Access for People with Disabilities to supersede [AS 1428, Supplement 1—1988](#) *Extracts—Design rules for access by the disabled (Supplement to AS 1428—1977)*.

The purpose of this Standard is twofold. First, it covers items which are not covered in [AS 1428.1, Design for access and mobility](#), Part 1: *General requirements for access—Buildings*, and second it gives enhanced requirements for access, for reference by authorities and other users who wish to provide a greater level of accessibility than the minimum requirements of Part 1.

Whereas the requirements in Part 1 are based on research on the capabilities of 80 percent of people with disabilities in Australia who use wheelchairs, together with some recognized needs of other disability groups, the enhanced requirements in this Standard have been determined, where possible, from the researched capabilities of at least 90 percent of test subjects comprising both people who use wheelchairs and ambulant people. Where the minimum space, dimensions and gradients of Part 1 have been shown to be suitable for 90 percent of users, the requirements of [AS 1428.1](#) have been called up in this Standard.

The major sources for determining the requirements in this Standard are studies by J. Bails, Public Buildings Department of South Australia, 1983, and E. Steinfeld, Syracuse University, Syracuse, NY, USA, 1979. For reach limits, reference was also made to *A study of the space requirements of wheelchair users* from the official journal of the International Society of Paraplegia: *Paraplegia*, volume 4, Number 1, May 1966. In recommending spaces between rest areas and time allowance at traffic lights, reference was made to the ability of people to move stated distances and the movement time of people in the 1990 research report *An ergonomic study of pedestrian areas for disabled people*, Institute of Transport Studies, University of Leeds, UK.

The series, when complete, will comprise the following:

AS

1428 *Design for access and mobility*

[1428.1](#) *General requirements for access—Buildings*

1428.2 *Enhanced and additional requirements—Buildings and facilities* (this Standard)

[1428.3](#) *Requirements for children and adolescents with physical disabilities*

[1428.4](#) *Tactile ground surface indicators for the orientation of people with vision impairment*

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STANDARDS AUSTRALIA

Australian Standard
Design for access and mobility

Part 2: Enhanced and additional requirements — Buildings and facilities

1 SCOPE This Standard sets out requirements for the design of buildings and facilities for access for people with disabilities. Where appropriate, these requirements are enhanced from the minimum requirements of Part 1. This Standard also includes requirements for items which are not covered in Part 1, and is intended to be used in conjunction with Part 1.

This Standard does not include requirements for the following:

- (a) Buildings and facilities which are purpose-built for children with disabilities or the provision of tactile ground surface indicators (see Preface).
- (b) Service areas such as plant rooms, commercial kitchens, maintenance storerooms, maintenance access ways, rigging lifts and delivery docks.

2 APPLICATION This Standard is written in a form which is suitable for use by the regulatory authorities or as a part of contract documentation. Compliance with this Standard will ensure compliance with the minimum requirements set out in [AS 1428.1](#).

NOTES:

- 1 Additional information relating to access in kitchens and laundries is provided in Appendix A.
- 2 A summary of the access requirements for specific types of buildings and facilities is provided in Appendix B.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- | | |
|-------------------------|---|
| 1088 | Hearing aids |
| 1088.4 | Part 4: Magnetic field strength in audio-frequency induction loops for hearing aid purposes |
| 1371 | Toilet seats of moulded plastics |
| 1428 | Design for access and mobility |
| 1428.1 | Part 1: General requirements for access – Buildings |
| 1428.1 | Supplement 1 : General requirements for access – Buildings – Commentary |
| 1680 | Interior lighting |
| 1680.1 | Part 1: General principles and recommendations |
| 1680.2 | Part 2: Recommendations for specific tasks and interiors |
| 1735 | SAA Lift Code |
| 1735.7 | Part 7: Stairway lifts |
| 1735.8 | Part 8: Inclined lifts |
| 1735.12 | Part 12: Facilities for persons with disabilities |
| 1735.13 | Part 13: Lifts for persons with limited mobility – Manually powered |
| 1735.14 | Part 14: Lifts for people with limited mobility – Restricted use – Low-rise platforms |
| 1735.15 | Part 15: Lifts for people with limited mobility – Restricted use – Non-automatically controlled |
| 1744 | Forms of letters and numerals for road signs |
| 1924 | Playground equipment for parks, schools and domestic use |
| 1924.2 | Part 2: Design and construction – Safety aspects |
| 2107 | Acoustics – Recommended design sound levels and reverberation times for building interiors |
| 2220 | Emergency warning and inter-communication systems in buildings |
| 2220.1 | Part 1: Equipment design and manufacture |
| 2220.2 | Part 2: System design, installation and commissioning |
| 2700 | Colour standards for general purposes |
| 2890 | Off-street parking |
| 2890.1 | Part 1: Car parking facilities |
| 2999 | Alarm systems for the elderly and other persons at risk |
| 3979 | Hydrotherapy pools |