

AS/NZS 1428.4:2002

AS/NZS 1428.4

Australian/New Zealand Standard™

**Design for access and mobility**

**Part 4: Tactile indicators**

## **AS/NZS 1428.4:2002**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-064, Access for People with Disabilities. It was approved on behalf of the Council of Standards Australia on 28 August 2002 and on behalf of the Council of Standards New Zealand on 21 March 2002. It was published on 28 November 2002.

---

The following are represented on Committee ME-064:

Association of Consultants in Access Australia  
Australian Association of Occupational Therapists  
Australian Building Codes Board  
Australian Industry Group  
Australian Institute of Building  
Australian Institute of Building Surveyors  
Blind Citizens Australia  
Commonwealth Department of Veterans Affairs  
Consumers Federation of Australia  
Deafness Forum of Australia  
Disabled Persons Assembly New Zealand  
Housing Industry Association  
Master Builders Australia  
Mobility Research Centre New Zealand  
Physical Disability Council of Australia  
Property Council of Australia  
Royal Australian Institute of Architects

Additional interests participating in the preparation of this Standard:

Human Rights and Equal Opportunity Commission

---

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

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Australia web site at [www.standards.com.au](http://www.standards.com.au) or Standards New Zealand web site at [www.standards.co.nz](http://www.standards.co.nz) and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

---

AS/NZS 1428.4:2002

# Australian/New Zealand Standard™

## Design for access and mobility

### Part 4: Tactile indicators

Originated as AS 1428.4—1992.  
Jointly revised and designated as AS/NZS 1428.4:2002

#### **COPYRIGHT**

© Standards Australia/Standards New Zealand

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.

Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4839 2

## PREFACE

This Standard was prepared by Standards Australia Committee ME-064, Access for People with Disabilities, to supersede AS 1428.4—1992, *Tactile ground surface indicators for the orientation of people with vision impairment*.

The objective of this Standard is to assist in providing a safer built environment for persons who are blind or vision impaired, with particular reference to tactile indicators.

This revision addresses the needs of people with physical mobility impairment and those of people who are blind or vision impaired. It includes the following changes to the previous edition:

- (a) The additional use of discrete TGSIs.
- (b) Dimensioning of applications of TGSIs has been increased from 300 ±10 mm to 300 mm to 400 mm and 600 ±10 mm to 600 mm to 800 mm.
- (c) Applications of TGSIs to kerb ramps and crossings.
- (d) Applications of TGSIs to bus, tram and light rail stops.
- (e) Removal of the spike from raised pavement markers.
- (f) The addition of new appendices and diagrams on the design, installation, and luminance contrast criteria for TGSIs.

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.

## CONTENTS

	<i>Page</i>
FOREWORD .....	4
SECTION 1 SCOPE AND APPLICATION	
1.1 SCOPE.....	5
1.2 APPLICATION.....	5
1.3 SYSTEMS AND MATERIALS.....	5
1.4 REFERENCED DOCUMENTS.....	6
1.5 DEFINITIONS.....	7
1.6 INSTALLATION .....	9
SECTION 2 CRITERIA AND APPLICATION FOR TACTILE INDICATORS	
2.1 GENERAL .....	10
2.2 TACTILE GROUND SURFACE INDICATORS (TGSIs).....	10
2.3 OTHER ENVIRONMENTAL INDICATORS.....	14
APPENDICES	
A INSTALLATION OF TACTILE GROUND SURFACE INDICATORS .....	15
B INFORMATION ON DESIGN AND INSTALLATION.....	25
C KERB RAMPS, MEDIANS AND MULTIPLE ENTRY POINTS .....	28
D RAISED PAVEMENT MARKERS .....	46
E TYPICAL EXAMPLES OF TACTILE GROUND SURFACE INDICATORS FOR BUS STOPS AND TRAM/LIGHT RAIL STOPS .....	48
F LABORATORY AND ON-SITE MEASUREMENT OF LUMINANCE CONTRAST.....	51
G BIBLIOGRAPHY .....	60

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-