SOUTH AFRICAN NATIONAL STANDARD

The application of the National Building Regulations

Part S: Facilities for persons with disabilities
Table of changes

<table>
<thead>
<tr>
<th>Change No.</th>
<th>Date</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acknowledgement

The SABS Standards Division wishes to acknowledge the work of the South African Institute of Architects and the South African Institution of Civil Engineering in updating this document.

Foreword

This South African standard was approved by National Committee SABS SC 59Q, Construction standards – Facilities for persons with disabilities in buildings and the built environment, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in April 2011.

This document supersedes the corresponding parts of SABS 0400:1990 (first revision) and SABS 0246:1993 (edition 1).

Compliance with the requirements of this document will be deemed to be compliance with the requirements of part S of the National Building Regulations, issued in terms of the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977).

SANS 10400 consists of the following parts, under the general title The application of the National Building Regulations:

Part A: General principles and requirements.
Part B: Structural design.
Part C: Dimensions.
Part D: Public safety.
Part F: Site operations.
Part G: Excavations.
Part J: Floors.
Part K: Walls.
Part L: Roofs.
Part M: Stairways.
Part N: Glazing.
Foreword (concluded)

Part O: Lighting and ventilation.
Part P: Drainage.
Part Q: Non-water-borne means of sanitary disposal.
Part R: Stormwater disposal.
Part S: Facilities for persons with disabilities.
Part T: Fire protection.
Part V: Space heating.
Part W: Fire installation.

This document should be read in conjunction with SANS 10400-A. The requirements of this document form part of SANS 10400-D, SANS 10400-M and SANS 10400-T.

Annexes A to D are for information only.
# Contents

Acknowledgement

Foreword

1 Scope ........................................................................................................................ ............. 3

2 Normative references ......................................................................................................... .... 3

3 Definitions .................................................................................................................. ............ 4

4 Requirements ................................................................................................................. ........ 8

4.1 General .......................................................................................................................... 8

4.2 Signage ......................................................................................................................... 9

4.3 Parking ........................................................................................................................ 10

4.4 External and internal circulation ..................................................................................... 11

4.5 Floor or ground surfaces ............................................................................................... 14

4.6 Doorways, doors and door handles................................................................................ 14

4.7 Changes in level ............................................................................................................ 17

4.8 Ramps ........................................................................................................................... 17

4.9 Stairways ....................................................................................................................... 19

4.10 Handrails ..................................................................................................................... 19

4.11 Lifts ................................................................................................................................ 20

4.12 Toilet facilities ............................................................................................................. 21

4.13 Auditoriums, grandstands and halls .............................................................................. 23

4.14 Controls, switches and power points ............................................................................ 23

4.15 Warning signals ........................................................................................................... 24

4.16 Lighting ........................................................................................................................ 24

Annex A (informative) National Building Regulations –
Part S: Facilities for Persons with Disabilities ............................................................... 25

Annex B (informative) Access needs of persons with disabilities in the context of the
South African legislative framework .................................................................................. 27

Annex C (informative) Access needs of persons with different disabilities ..................... 31

Annex D (informative) Notes on the design and layout of toilet facilities for
persons with disabilities ................................................................................................. 38

Bibliography ...................................................................................................................... 46
The application of the National Building Regulations

Part S:
Facilities for persons with disabilities

1 Scope

This part of SANS 10400 provides deemed-to-satisfy requirements for compliance with part S (Facilities for Persons with Disabilities) of the National Building Regulations.

NOTE 1 Part S of the National Building Regulations, issued in terms of the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977), is reproduced in annex A.

NOTE 2 Compliance with the requirements of this part of SANS 10400 does not necessarily ensure compliance with all legislative provisions (see annexes B and C). Other standards may be applicable for dealing with specific matters that are not covered by the National Building Regulations, e.g. ISO 7193 should be used to ensure that workbenches etc. are accessible to wheelchair users.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

SANS 784, Design for access and mobility – Tactile indicators.
SANS 1186-1, Symbolic safety signs – Part 1: Standard signs and general requirements.
SANS 10389-1, Exterior lighting – Part 1: Artificial lighting of exterior areas for work and safety.
SANS 10400-A, The application of the National Building Regulations – Part A: General principles and requirements.
SANS 10400-D, The application of the National Building Regulations – Part D: Public safety.
SANS 10400-O, The application of the National Building Regulations – Part O: Lighting and ventilation.
SANS 10400-P, The application of the National Building Regulations – Part P: Drainage.
SANS 10400-T, The application of the National Building Regulations – Part T: Fire protection.