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SOUTH AFRICAN NATIONAL STANDARD

Safety rules for the construction and installation of lifts

Part 3: Lifts for persons with disabilities (stairlifting platforms)

Amdt 3 |

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Table of changes

Change No.	Date	Scope
Amdt 1	2002	Amended to change the recommended minimum platform size for public buildings and to update references to standards.
Amdt 2	2004	Amended to update the list of parts of SANS 1545 in the foreword and referenced standards, to delete a note referring to a section that was in course of preparation and to insert conditions (a) and (b) in 3.3 "Transformer" of table A.1.
Amdt 3	2006	Amended to change the title, to update referenced standards, to modify the annexes on certificate of tests and examination after installation (annex A) and in-use periodic examinations, tests and servicing (annex E).

Foreword

This South African standard was approved by National Committee StanSA SC 5120.50A, *Lifts, escalators and passenger conveyors – Platforms and lifts in private residences and for the disabled*, in accordance with procedures of Standards South Africa, in compliance with annex 3 of the WTO/TBT agreement.

This part of SANS 1545 was published in December 2006. This edition cancels and replaces edition 1.2 (SANS 1545-3:2004).

SANS 1545 consists of the following parts, under the general title *Safety rules for the construction and installation of lifts*:

Part 1: Electric lifts.

Part 2: Hydraulic lifts.

| *Part 3: Lifts for persons with disabilities (stairlifting platforms).* **Amdt 3**

| *Part 4: Lifts for persons with disabilities (vertical lifting platforms).* **Amdt 3**

Part 5: Electric and hydraulic access, goods only lifts.

Part 6: Rack-and-pinion lifts.

Part 7: To be allocated.

Part 8: To be allocated.

Part 9: Lift landing doors – Fire resistance testing. **Amdt 2**

A vertical line in the margin shows where the text has been technically modified by amendment No. 3.

Annexes A and C form an integral part of this part of SANS 1545. Annexes B, D, E and F are for information only.

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Safety rules for the construction and installation of lifts

Part 3:

Lifts for persons with disabilities (stairlifting platforms)

Amdt 3 |

1 Scope

1.1 This part of SANS 1545 specifies safety rules, dimensions and requirements for functional operation in respect of permanently installed power-operated stairlifts intended for use by persons with impaired mobility, including seated users, standing users and wheelchair users moving in a substantially inclined plane.

1.2 It is restricted to stairlifts

- a) that travel between fixed levels over a staircase or an accessible inclined surface,
- b) whose rated speed does not exceed 0,15 m/s,
- c) whose rail inclination does not exceed 75° from the horizontal, and
- d) whose carriage is retained and guided direct by a rail or rails.

NOTE 1 No enclosure for the path of the stairlift is required.

NOTE 2 Deleted by amendment No. 2.

1.3 Requirements are also specified for protection against harmful influences that might be experienced in the case of equipment installed in external locations.

1.4 This part of SANS 1545 does not specify every general technical requirement for all aspects of the electrical, mechanical or building construction.

It is assumed that all components are:

- a) correctly designed, of sound mechanical and electrical construction and made of materials that are of adequate strength, of suitable quality and free from defects;
- b) designed and installed so as to reduce the transmission of noise and vibration to any surrounding walls and supporting structures appropriate to the location; and
- c) kept in good repair and working order and that the specified clearances are not exceeded, regardless of wear.