

**NAMS 1545-4: 2022**

Edition 1.3

**SANS 1545-4: 2015**

## **NAMIBIAN STANDARD**

### **Safety rules for the construction and installation of lifts**

#### **Part 4: Lifts for persons with disabilities (vertical lifting platforms)**

This Namibian standard is the identical implementation of SANS 1545-4:2015 and is adopted with the permission of the South African Bureau of Standards

Published by the Namibian Standards Institution (NSI)  
**Established by section 2 of the Standards Act, 2005 (Act No 18 of 2005)**  
37 Feld Street  
P.O. Box 26364 Windhoek, Namibia  
Tel +264-61386400, Fax +264-61-386454  
Website: [www.nsi.com.na](http://www.nsi.com.na)  
© NSI



Licensed by NSI to NSI for internal use only  
DOWNLOADED:24/06/2026  
Single-user licence only, copying and networking prohibited.

## **NAMS 1545-4: 2022**

Edition 1.3

## **SANS 1545-4: 2015**

### **National foreword**

This Namibian Standard (NAMS) is identical to South African Standard SANS 1545-4:2015 Safety rules for the construction and installation of lifts, Part 4: Lifts for persons with disabilities (vertical lifting platforms), and was approved for adoptions by the Namibian Standards Institution CEO.

Namibian standards are developed based on NSI Standards development procedures in accordance with the rules given in the International Organisation for Standardisation/ International Electrotechnical Commission (ISO/IEC) Directives 1, ISO/IEC Guide 21-1 Adoption of international standards as regional or national standards and WTO – TBT World Trade Organisation code of Good Practice (which is published as Annex 3 in the TBT Agreement)

The NSI Management Technical Committee responsible for the standard is NSI TC 8/SC 1, Lifts and Escalators.

This SANS 1545-4: 2015 NAMS 1545-4: 2022 was published in February 2022.

# **SOUTH AFRICAN NATIONAL STANDARD**

## **Safety rules for the construction and installation of lifts**

### **Part 4: Lifts for persons with disabilities (vertical lifting platforms)**

Amdt 2

**WARNING**

**This document references other documents normatively.**

---

Published by SABS Standards Division  
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001  
Tel: +27 12 428 7911 Fax: +27 12 344 1568  
[www.sabs.co.za](http://www.sabs.co.za)

© SABS

**SABS**

Licensed by NSI to NSI for internal use only

DOWNLOADED:24/06/2026

Single-user licence only, copying and networking prohibited.

**SANS 1545-4:2015**  
Edition 1.3

**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2004	Amended to change the title, to update the list of parts of SANS 1545 in the foreword and referenced standards, to correct a limit of travel for platforms, to move the conditions for passive components to the correct row to align with 1.1 "Resistor fixed" and to correct the entry for variable resistors in table B.1.
Amdt 2	2006	Amended to update referenced standards and to modify the annexes on platform lift certificate of test (annex A) and in-use periodic examinations, tests and servicing (annex E).
Amdt 3	2015	Amended to update the annex on comprehensive report for lifts for persons with disabilities (vertical lifting platforms) (annex E).

**Foreword**

This South African standard was approved by National Committee SABS/TC 1082, *Lifts, escalators and passenger conveyors*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in March 2015.

This document supersedes SANS 1545-4:2006 (edition 1.2).

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

**This document is referenced in the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).**

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 2**

*Part 4: Lifts for persons with disabilities (vertical lifting platforms).* **Amdt 2**

*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 1**

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

## Contents

	Page
Foreword	
<b>1</b> Scope .....	3
<b>2</b> Normative references .....	4
<b>3</b> Terms and definitions .....	5
<b>4</b> General requirements for lifting platforms .....	10
<b>5</b> Guide rails, mechanical stops and mechanical blocking device .....	13
<b>6</b> Safety gear and overspeed governor .....	13
<b>7</b> Driving units and drive systems .....	17
<b>8</b> Electrical installation and equipment .....	26
<b>9</b> Specific requirements for lifting platforms in enclosed liftways .....	37
<b>10</b> Specific requirements for lifting platforms in non-enclosed liftways .....	46
<b>11</b> Testing, inspection and servicing .....	51
<b>12</b> Technical literature .....	52
<b>13</b> Labels, notices and operating instructions .....	53
<b>Annex A</b> (normative) Platform lift certificate of test .....	57
	<b>Amdt 2</b>
<b>Annex B</b> (normative) Safety circuits — Requirements for circuit design and component and circuit fault analysis .....	63
<b>Annex C</b> (informative) Recommendations for the provision and use of specially adapted operating devices, switches and sensors .....	69
<b>Annex D</b> (informative) Guidance on the selection and purchase of suitable powered lifting platforms .....	70
<b>Annex E</b> (informative) Comprehensive report for lifts for persons with disabilities (vertical lifting platforms) .....	72
	<b>Amdt 2</b>
<b>Annex F</b> (informative) Example of a certificate of acceptance by the purchaser/user after the initial tests and examination .....	74
<b>Bibliography</b> .....	75