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SANS 1451-3:2014

Edition 1.3

SOUTH AFRICAN NATIONAL STANDARD

Hearing protectors

Part 3: Ear-muffs attached to an industrial safety helmet

WARNING

This standard references other documents normatively.

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Table of changes

Change No.	Date	Scope
Amdt 1	2007	Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
Amdt 2	2008	Amended to update a referenced standard and to move reference to national legislation to the foreword.
Amdt 3	2014	Amended to update a referenced standard.

Foreword

This South African standard was approved by National Committee SABS/TC 076, *Acoustics, electro-acoustics and vibration*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

Reference is made in 7.9.3.1 to "national or international measuring standards". In South Africa this means the Measurement Units and Measurement Standards Act, 2006 (Act No. 18 of 2006).

Amdt 2

This document was published in March 2014.

This document supersedes SANS 1451-3:2008 (edition 1.2).

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

SANS 1451 consists of the following parts, under the general title *Hearing protectors*:

Part 1: Ear-muffs.

Part 2: Ear-plugs.

Part 3: Ear-muffs attached to an industrial safety helmet.

Annexes A and B are for information only.

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Hearing protectors

Part 3:

Ear-muffs attached to an industrial safety helmet

1 Scope

1.1 This part of SANS 1451 specifies constructional, design and performance requirements for ear-muffs that are intended for use as hearing protectors and that are attached to an industrial safety helmet.

1.2 Real-ear attenuation characteristics of the ear-muffs/safety helmet combination are measured in accordance with the subjective method specified in ISO 4869-1.

NOTES

- 1 Ear-muffs are covered in SANS 1451-1.
- 2 Ear-plugs are covered in SANS 1451-2.
- 3 Guidance on the quality verification of ear-muffs produced to this part of SANS 1451 is given in annex A.

1.3 This part of SANS 1451 does not cover

- a) the performance of any electronic devices that might be incorporated within the ear-muffs, or
- b) amplitude sensitive ear-muffs.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of SANS 1451. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this part of SANS 1451 are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

ISO 4869-1, *Acoustics – Hearing protectors – Part 1: Subjective method for the measurement of sound attenuation*. (Equivalent to EN 24869-1.)

SANS 1397, *Industrial safety helmets*.

Amdt 2

SANS 1451-1, *Hearing protectors – Part 1: Ear-muffs*.