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Edition 2.2

SOUTH AFRICAN NATIONAL STANDARD

DC-powered (battery-operated) machines for use in hazardous locations in mines

WARNING

**This document references other
documents normatively.**

Published by the South African Bureau of Standards
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001
Tel: +27 12 428 7911 Fax: +27 12 344 1568

www.sabs.co.za

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Table of changes

Change No.	Date	Scope
Amdt 1	2014	Amended to update normative references, and to clarify the requirements for marking.
Amdt 2	2018	Amended to update foreword, referenced standards, and the requirements for marking on repairer's plate.

Foreword

This South African standard was prepared by National Committee SABS/TC 065, *Explosion prevention*, in accordance with procedures of the South African Bureau of Standard, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in August 2018.

This document supersedes SANS 1654:2014 (edition 2.1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 2.

Reference is made in 3.1.2 and 3.1.15 to the "relevant national authority". In South Africa, this means the applicable of the following acts: **Amdt 2**

- a) Mine Health and Safety Act, 1996 (Act No. 29 of 1996) by the (Regulator) Chief Inspector of Mines of the Department of Minerals and Energy; or
- b) in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) by the (Regulator) Chief Inspector of Occupational Health and Safety of the Department of Labour; or
- c) in terms of the Explosives Act, 1956 (Act No. 26 of 1956) by the (Regulator) Chief Inspector of Explosives of the Department of Labour.

SANS 10108 should be consulted for requirements in terms of classification of hazardous locations and certification of explosion-protected apparatus. **Amdt 2**

Compliance with this document cannot confer immunity from legal obligations.

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