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Edition 1.1

SOUTH AFRICAN NATIONAL STANDARD

Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both

Part 1-1: Hazardous locations in underground mines — Basic explosion protected engines

WARNING

This document references other documents normatively.

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Table of changes

Change No.	Date	Scope
Amdt 1	2018	Amended to move reference to marking from the foreword to the clause on marking and to delete the relevant note on marking, to remove reference to the regulator from the foreword, to update referenced standards, and to update and renumber the definitions accordingly.

Foreword

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

This document was approved for publication in July 2018.

This document supersedes SANS 868-1-1:2005 (edition 1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

This document is referenced in the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

Reference is made in 3.4 to a "government-endorsed accreditation body". In South Africa this means the South African National Accreditation System (SANAS). **Amdt 1**

Reference is made in 3.5 and 3.21 to the "relevant national legislation". In South Africa this means the applicable of the following:

- a) in terms of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996): Chief Inspector of Mines of the Department of Mineral Resources; or
- b) in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993): Chief Inspector of Occupational Health and Safety of the Department of Labour; or
- c) in terms of the Explosives Act, 2003 (Act No. 15 of 2003): Chief Inspector of Explosives of the South African Police Services. **Amdt 1**

Annex A forms an integral part of this document.

Compliance with this document cannot confer immunity from legal obligations.

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