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**SANS 322:2005**

Edition 1

# **SOUTH AFRICAN NATIONAL STANDARD**

## **Fire detection and alarm systems for hospitals**

**SANS 322:2005**  
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**Table of changes**

| <b>Change No.</b> | <b>Date</b> | <b>Scope</b> |
|-------------------|-------------|--------------|
|                   |             |              |

**Acknowledgement**

The SABS Standards Division wishes to acknowledge the valuable assistance derived from publications of the British Standards Institute.

**Foreword**

This South African standard was approved by National Committee SABS/TC 021/SC 01, *Fire safety – Fixed fire detection and extinguishing systems*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

**Reaffirmed and reprinted in October 2013.  
This document will be reviewed every five years  
and be reaffirmed, amended, revised or withdrawn.**

## Contents

|                                     | Page     |
|-------------------------------------|----------|
| Acknowledgement                     |          |
| Foreword                            |          |
| <b>1</b> Scope .....                | <b>3</b> |
| <b>2</b> Normative references ..... | <b>3</b> |
| <b>3</b> Definitions .....          | <b>3</b> |
| <b>4</b> Requirements .....         | <b>4</b> |

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## **Fire detection and alarm systems for hospitals**

### **1 Scope**

**1.1** This standard provides guidance on the design and installation of new fire detection and alarm systems for new hospitals.

**1.2** It also covers modifications to existing fire alarm systems required by alterations or extensions to existing hospitals.

### **2 Normative references**

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

#### **2.1 Standards**

BS 5979, *Code of practice for remote centres receiving signals from fire and security systems.*

SANS 10139, *Fire detection and alarm systems for buildings – System design, installation and servicing.*

SANS 10142-1, *The wiring of premises – Part 1: Low-voltage installations.*

SANS 50054-2/EN 54-2, *Fire detection and fire alarm systems – Part 2: Control and indicating equipment.*

#### **2.2 Other publication**

EC Directive 89/336/EEC, as amended by EC Directives 91/236/EEC and 92/31/EEC.

### **3 Definitions**

For the purposes of this standard, the definitions in SANS 10139 and the following definitions apply:

#### **3.1**

##### **hazard department**

management units which contain high fire loads and are ignition sources