

# SAQCC FIRE

## D&GS TRAINING SUB COMMITTEE

### COURSE CURRICULUM

<b>COURSE</b>	<b>Standards Training - SANS 322</b>	
<b>ORIGINATOR</b>	<b>K Norgate</b>	
<b>DATE</b>	7th November 2013	
<b>Amendment 1</b>	29th November	Changes
<b>Amendment 2</b>	06th February 2014	Split SANS 322 and SANS 246
<b>Issued</b>	28th May 2014	Issued

EQUIVALENT TRAINING COURSES AVAILABLE		
TITLE	TRAINING SCHOOL	CONTACT DETAILS
SANS 246	Fire Systems Training	011 450 4706

**STATUS OF CURRICULUM** - Issued

**EQUIVALENT UNIT STANDARD**

None

#### **PURPOSE OF TRAINING COURSE**

This training course is for learners requiring to get an understanding of the fire detection National standard used within South Africa.

Learners who have completed this course will have a thorough working knowledge of the design, installation, commissioning and servicing requirements for fire detection systems as per the South African National Standard.

#### **LEARNING ASSUMED TO BE IN PLACE**

This course assumes the learner is already proved competent in:

- Workshop practice
- Cables and Cabling
- Basic fire theory
- Supplier Training
- Installation and Commissioning practices
- Standards training SANS 10139

## **OUTCOMES REQUIRED**

### **Topics Covered:**

1. The full content of the National standard for fire detection systems in hospitals SANS 322

### **Outcome 1: Scope and requirements of SANS 322 and the relationship with SANS 10139**

#### **Learning Outcomes:**

To include:

- The scope and requirements of SANS 322
- Types of fire detection systems: types and operation of fire panels for hospitals
- Power supplies to fire systems

#### **Assessment:**

Learner to explain the scope and usage of SANS 322

Determine the type and category of system for use in hospitals

Learner to explain type and requirement of the fire panel used in the hospital

### **Outcome 2: Positioning and types of fire detectors to be used in hospitals.**

#### **Learning Outcomes:**

To include:

- Where fire detectors shall be positioned in hospitals
- Types of detectors suited for hospital environments.

#### **Assessment:**

Learner to explain the types, use and positioning of fire detectors in hospitals

### **Outcome 3: Manual call points usage and siting.**

#### **Learning Outcomes:**

To include:

- The positioning of manual call points in hospitals.

#### **Assessment:**

Learner to describe where manual call point devices need to be installed.

### **Outcome 4: Audible and visual alarms in hospitals.**

#### **Learning Outcomes:**

To include:

- Types and requirements of audible and visual alarms
- Use of staff alarms

#### **Assessment:**

Learner to demonstrate knowledge of types and placement of audible and visual alarms

Learner to demonstrate the use of staff alarms

### **Outcome 5: Interfacing to other building services.**

#### **Learning Outcomes:**

To include:

- Automatic door control
- Lift control
- Interface to air conditioning and ventilation systems.
- Communication with the fire brigade

#### **Assessment:**

Learner to describe the various interlocks from the fire system installed in hospitals.