



# The South African Institute of Mechanical Engineering

## Pressure Equipment - An Effective Guideline to SANS 347 Workshop

**Duration - 1 Day : Time - 08h30 – 16h30** (Registration at 08h00)  
Manual, teas and lunch provided

**CPD Validation Number : SAIMEchE-1091-07/20**

**This workshop will earn delegates 1 credit in Category 1**

**This workshop is suitable for SAIMEchE groups 2 & 3a**

**Workshop Facilitator : [Dr. Herbert De Vries](#), BSc (Mech.Eng), Pr.Eng. G.C.C., MSAIMEchE, MBL, DBL**

### SAIMEchE Group Classification

0 = Non-technical,  
e.g., HR, Finance

1 = Candidate (including  
GCC) with < 5 years  
experience

2 = Professional  
(including GCC) with < 15  
years experience

3a = Professional and  
Appointment with > 15  
years experience with  
specialist interest

3b = Senior  
Management with > 15  
years experience

### Overview

The workshop deals with the critical details pertaining to SANS 347 covering its scope and purpose as well as the categorization and conformity assessment criteria for all pressure equipment used in South African organisations.

The workshop clarifies the standard using simple yet effective interactive learning techniques.

### Contents

- Introduction
- Workshop objectives and benefits
- Definitions covering SANS 347
- The scope and purpose of SANS 347
- Normative references for SANS 347
- Defining pressure equipment
- Hazard categorisation
- Conformity assessment – Modules A to H
- Essential construction requirements
- Quality system requirements
- Marking of pressure equipment

### Who Should Attend

#### Suggested Qualifications of delegates

- Senior executives with appropriate experience and qualifications
- Graduate engineers and technicians
- Government certified engineers
- Senior artisans with experience overseeing pressure plant and equipment
- Safety officers with an appropriate OHSA certificate

#### Suggested corporate position of delegates

- Senior executives of business organisations using pressure equipment
- Engineering directors and managers
- Graduate engineers and technicians, diploma engineers and experienced artisans given plant and equipment responsibilities regarding its safe and effective operation
- Quality assurance representatives

#### Suggested experience of delegates

More than three years of managing organisations with pressure equipment and/or designing and manufacturing of pressure plant and equipment and/or managing and operating pressure plant and equipment.

### Anticipated Outcome and Benefits

- Understand the reason and content of SANS 347.
- Learning the definitions related to pressure equipment.
- Understand the scope and purpose of SANS 347.
- Learning how pressure equipment is categorised in terms of SANS 347.
- Learn the pressure equipment hazard categories.
- Relate the regulations to conformity of plant and equipment.
- Learn the rules for construction of pressure equipment.
- Learn how to review quality system requirements in terms of SANS 347.
- Learn how pressure equipment should be marked to identify compliance.