



Reg.

**January 2020**

**Physical:** 141 Lamp Road, Wadeville, Germiston

**Tel:** (011) 827 4113/6. **Fax:** (011) 827 4118

**Postal:** P O Box 7104, Albermarle, 1410

**Email:** info@pandttechnology.co.za

**Web:** [www.pandttechnology.co.za](http://www.pandttechnology.co.za)

<https://www.facebook.com/pandttech/>

VAT reg. 4290205808

**Directors:** NC Du Plessis (managing), ED Du Plessis

## Installation Rules Paper 1

P & T Technology (Pty) Ltd Electrical Competency Training Institute is an accredited provider with the EWSETA, CETA AND CHIETA.

The training and development centre is situated at the 141 Lamp Road, Wadeville, Germiston.

Our Installation Rules Paper 1 program is used to prepare a learner for the national exam Installation Rules. This exam is required as part of the criteria by the Department of Labour to apply to become an installation electrician. The Examination Instruction 08 of 2009 (IEMIE Syllabus) can be found on our web site.

The program is conducted by means of part time course where the candidate will attend after hours classes on Tuesdays and Thursdays evening from 17H00 to 19H00 hours and one Saturday before the exam. Installation Rules Paper 1 and Installation Rules Paper 2 will not be offered in the same block.

### Installation Rules Paper 1 Program Content

- Occupational Health and Safety Act, Act 85 of 1993 Section 1, 8, 9, 10 and 22
- Occupational Health and Safety Act, Act 85 of 1993 - Electrical Installation Regulations. Regulations 1 to 14
- Occupational Health and Safety Act, Act 85 of 1993 - Electrical Machinery Regulations. Regulation 1, 3, 5, 6 and 11
- Occupational Health and Safety Act, Act 85 of 1993 - Construction Regulations. Regulations 22
- SANS 10142-1:2008
- The wiring of premises Part 1: Low voltage installations
- Section 1 - Scope
- Section 2 - Normative references
- Section 3 – Definitions
- Section 4 – Compliance
- Section 5 - Fundamental requirements
- Section 7 - Special installations or locations
- Annexure D - Example of assessing estimated and connected load.
- Annexure F - Recommended bending of cables
- Annexure G - Examples of determining the conduit size required for single-core cables of different sizes.
- Annexure J - Explanation of IP ratings
- Annexure M - Electricity supply systems
- Annexure P - Authority for issuing a Certificate of Compliance
- Annexure Q - IEC symbols associated with switchgear
- SANS 10198-1:2004 The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 1: Definitions and statutory requirements
- SANS 10198-2:2004 The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 2: Selection of cable type and methods of installation NOTE: No calculations will be asked on this standard
- SANS 10292:2001 Earthing of low-voltage (LV) distribution systems

### Target audience

- Any person who intends to write Installation Rules Paper 1 exams as administered by the Department of Education on behalf of the Department of Labour.

### Pre-requisites

- Have all the required codes and standards

### Codes Required

Note these codes and standards do not form part of the course cost and must be purchased prior to participation on the program.

OHS Act	Occupational health and safety act
SANS 10142	The wiring of premises Part 1: Low-voltage installations
SANS 10198 - 2	The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 2: Selection of cable type and methods of installation
SANS 10292	Earthing of low-voltage (LV) distribution systems
SANS 10198-1	The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 1: Definitions and statutory requirements
SANS 1973-3	Paper 2 only Low-voltage switchgear and controlgear ASSEMBLIES Part 3: Safety of ASSEMBLIES with a rated prospective short-circuit current of up to and including 10 kA

The SANS codes are available from SABS either via their web page or from their office in Pretoria.

### Course duration:

Eight weeks part time training. Tuesdays and Thursdays (17:00 – 19:00) and one Saturday class from 8:00 - 13:00.

### Refreshments

Meals are not provided

### TERMS AND CONDITIONS

Before booking and paying for a program please ensure you are familiar with P & T Technology's terms and conditions, these can be found on our web page [www.pandttechnology.co.za](http://www.pandttechnology.co.za) or a copy can be requested from our administration office.

### Training costs only

Installation Rules Paper 1 - R 4 539.00 per candidate including 15% Vat



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## Installation rules paper 1 Program enrolment form

**RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:**

**P and T Technology (Pty) Ltd Fax :- 011 827 4118 Attention: admin**

**Invoice Company:-** \_\_\_\_\_

P. O. Box \_\_\_\_\_ Code:- \_\_\_\_\_

First Name \_\_\_\_\_ Surname \_\_\_\_\_

Title \_\_\_\_\_ ID Number \_\_\_\_\_

Tel:- (\_\_\_\_) \_\_\_\_\_ Fax:- (\_\_\_\_) \_\_\_\_\_

Cell No:- \_\_\_\_\_ email:- \_\_\_\_\_

Occupation \_\_\_\_\_ Company VAT NO. \_\_\_\_\_ **(NB)**

**Installation Rules Paper 1 R 4 539.00 Date of selected program:** \_\_\_\_\_

I, \_\_\_\_\_ have read and accept the  
Name and Surname

TERMS AND CONDITIONS

\_\_\_\_\_  
Signature of delegate

### Payment method

Cheque payable to P and T Technology (Pty) Ltd deposited into the account number below

Deposit / EFT deposit

**Account details:**      **Account holder:** P and T Technology (Pty) Ltd  
**Bank:** ABSA  
**Branch code:** 631 – 142  
**Account Number:** 4056618661

Tel (011) 827 4113/6

Fax (011) 827 4118

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If the course is being paid by your company, please complete the form below and forward it **with** your **enrolment form**

<b>P AND T TECHNOLOGY(PTY) LTD PROCUREMENT - CUSTOMER INFORMATION</b>	
Please complete this document and return to P and T Technology (Pty) Ltd	
<b>Legal Status (e.g. (Pty) Ltd)</b>	
<b>Name of Business</b>	
<b>Company Registration Number</b>	
<b>VAT Registration Number</b>	
<b>Company Postal Address</b>	
<b>Contact Person</b>	
<b>Telephone Number/s</b>	
<b>Contact Person (Accounts)</b>	
<b>Telephone Number/s</b>	
<b>Fax Number</b>	
<b>Email Address</b>	
<b>Name of Bank</b>	
<b>Branch</b>	
<b>Branch Code</b>	
<b>Account Number</b>	
<b>Type of Account</b>	
<b>Account Holder's Name</b>	
<b>Please complete the details and forward to:</b>	
<b>Attention</b>	Finance
<b>Email</b>	<a href="mailto:liz@pandttechnology.co.za">liz@pandttechnology.co.za</a>