



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

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

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

**E-mail:** [info@pandttechnology.co.za](mailto:info@pandttechnology.co.za)

**www.pandttechnology.co.za**

**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 18H00 to 21H00 hours. 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.

- Occupational Health and Safety Act, Act 85 of 1993
- SANS 10142-1
- SANS 10198-1
- SANS 10198-2
- SANS 10292
- SANS 1973-3:

### 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

- Installation rules classes are limited to 12 per class.
- Before booking and paying for a program please confirm if a program is fully booked or not.
- Application to be made by means of completing and returning enrolment form via web page, email or fax.
- We will communicate with you in five working days, if we have not communicated with you in this time please contact our office.
- Once your application is received, an invoice is generated and the payment will be due.
- On DIRECT TRANSFERS or DEPOSITS please quote invoice number.
- Fax or email proof of payment to 011 827 4118 or liz@pandttechnology.co.za.
- Bookings will only be confirmed when the payment is confirmed.
- You will only be permitted to attend the course if the payment has been made.
- Payments need to be received 7 working days prior to any course attendance.
- Cancellations of a course within 7 working days of the course will be charged in full.
- Cancellations of assessments for whatever reason will be charged in full
- The assessment is treated as a NATIONAL EXAM where applicable and cannot be cancelled.
- All re-assessments and cancelled assessments will be levied at a cost of 45% of the course fee and no negotiations will be entered into.
- Any other Code of practice not mentioned must be purchased separately.
- P and T Technology (Pty) Ltd reserves the right to cancel any program should there be less than 8 persons
- By forwarding the request for training or/and assessment you declare that you have read and understand the course /assessment criteria
- PLEASE NOTE: Should legislation, regulations or criteria change out of our control, our courses and assessment process and cost will change accordingly
- NB: It is your responsibility to ensure that you meet the registration criteria to be registered by the Chief Inspector as an Electrical tester for Single phase, Installation Electrician or Master Installation Electrician as defined in the Electrical Installation regulation.
- P and T Technology (Pty) Ltd cannot be held responsible for any criteria as required by SETA or by any other body for registration, accreditation or the like. You need to ensure you meet the relevant criteria.
- Safety criteria and conditions are to be adhered to at all times and you must ensure you have the relevant PPE and tools where required.
- P and T Technology (Pty) Ltd does not do accommodation bookings and cannot be liable for any issues relating to accommodation.

### 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

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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>