



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

www.pandttechnology.co.za

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

Unit standards for Installation Electrician (Three-phase industrial/commercial)

Test, inspect and complete a certificate of compliance for a three-phase industrial/commercial installation

- Test and inspect a three-phase industrial/commercial installation (Unit Standard No. 259197)
- Issue certificate of compliance for a domestic/commercial/industrial installation (Unit Standard No.13683)

Next training course dates: Refer to course calendar on the web page www.pandttechnology.co.za

To check if you meet the criteria please refer to the Department of labour document on the following link: <http://pandttechnology.co.za/wp-content/uploads/2011/03/Information-brochure-for-application-of-registered-persons-March-2014.pdf>

The training program is at our training centre at 141 Lamp Road, Wadeville, Germiston where relevant tools, processes and criteria will be demonstrated and provided.

Our programs are developed in such a way as to allow you to meet the requirements of the Department of Labour, in terms of accreditation application as well as to provide you with the necessary tools and expertise to confidently go out and inspect and test electrical installations using the knowledge and recourses available to you.

After successful completion of the assessment you will receive documentary proof of successful completed unit standards of inspection, testing and certification of the relevant assessment as required by the Energy Sector Education and Training Authority (ESETA).

Department of Labour Accreditation as determined by the ESETA require by P and T Technology (Pty) Ltdto ensure competence for assessments above. Documentary proof of your process and documents used by you to inspect, test and certify any of the above type of electrical installation is a **prerequisite** for assessment process.

The assessment for competence as required will be conducted after you have collected all evidence. The assessment process will include

- Evaluation of previous coached or self-inspection and testing tests conducted by you.
- A knowledge evaluation of applicable codes or standards.
- An onsite assessment to establish competence in inspection and testing and evidence recording.
- The completion of the supporting documentation of on site assessment.
- Completion of a Certificate of Compliance.
- Feedback and certification and ESETA communication.

Target audience

- Electricians working in commercial or industrial installations
- Maintenance electricians
- Electricians who issue Certificates of Compliance (CoC) on three phase installations
- Electricians requiring assessments for Department of Labour accreditation application
- Electricians wanting to upgrade their knowledge of inspection and testing electrical installations.

Pre-requisites

Knowledge of SANS 10142-1 and relevant codes of practice linked to industrial/commercial installations would be an advantage as this course applies the codes and practices.

Purpose of program

To equip delegates with knowledge, skills and information to interpret codes, standards and legislation and thereby enabling them to conduct and record valid detail during three phase electrical installations inspections and tests.

Contents

- Applicable Occupational Health and Safety Act 85.1993 legislation
- Identification and assessment of area to be inspected.
- Transformer room and associated areas
- Main incomer and protections
- Main and sub boards including cascades
- Cables, wireways, protection and Glands
- Hazardous/specialised area identification
- Recording of results and inspection report
- Tests to be conducted and interpreting readings
- Client reports and final inspections.
- Assessment preparation for delegates requiring competence assessment

Training methodology used during course

- Interactive participative presentation
- Practical use of documentation and instruments will be done during course
- Programs are limited to a maximum of 15 delegates in order to allow delegate participation

Course documentation provide

- Occupational Health and Safety Act 85.1993 booklet
- Support material

Course documentation NOT provided

- SANS 10142-1 code of wiring

The SANS 10142-1 will not automatically be provided as part of the course training. Should you wish us to provide this code you will need to order it when enrolling for the course. The SANS 10142-1 can be purchased from SABS in Pretoria or via their web page on <https://store.sabs.co.za/catalog/>

TO BRING WITH TO THE COURSE

You will need to bring the latest version of the SANS 10142-1 with you to the course.

Course duration: - 3 days (8:30 to 16:15)

Refreshments

Tea/coffee and lunches provide for all day courses
No refreshments will be provided for assessment days

Certificates

All delegates assessed competent will receive a certificate and an ESETA statement of results

Assessment criteria

The assessment for competence as required will be conducted after you have collected all evidence. The assessment process will include: -

- Evaluation of previous coached or self-inspection and testing tests conducted by you.
- A knowledge evaluation of applicable codes or standards.
- An onsite assessment to establish competence in inspection and testing and evidence recording. (This date will be allocated to the delegate during the duration of the course and **cannot be changed**)
- 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.
- The completion of the supporting documentation of on site assessment.
- Completion of a Certificate of Compliance.
- Feedback and certification and ESETA communication.

TERMS AND CONDITIONS

- Short course classes are limited to 16 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.

Course cost

Training and assessment R 9 886.00 including 15% VAT



April 2018
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Three Phase Unit Standard 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)**

Test, inspect and complete a certificate of compliance for a three-phase commercial/industrial installation

Training program and assessment R 9 886.00 Date of selected program: _____

- Please order me the SANS 10142-1 at a cost of R 884.00 – (Should there be a price increase at SABS you agree to pay the increased cost)
- I will bring my own SANS 10142-1 (the latest version)

I, _____ **have read and accept the**
Name and Surname

TERMS AND CONDITIONS AS PER COURSE CRITERIA

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

To check if you meet the criteria please refer to the Department of labour document on the following link:
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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

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