



February 2023

Physical: 141 Lamp Road, Wadeville, Germiston

Tel: (011) 827 4113/6

Postal: P O Box 7104, Albermarle, 1410

Email: info@pandttechnology.co.za

Web: www.pandttechnology.co.za

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

VAT reg. 4290205808

Directors: R Meeske NC Tattersall EM Harmse

Unit standards for Master Installation Electrician (Hazardous/Specialised areas)

Test, inspect and complete a certificate of compliance for an electrical installation in a hazardous area

- Test and inspect an electrical installation in a hazardous area (Unit Standard No. 13821)
- Issue certificate of compliance for an electrical installation in a hazardous area (Unit Standard No. 13684)

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 our webpage: <https://pandttechnology.co.za/course-documents/> under the heading Supporting documents to become a registered person

The training program is at our training centre at 141 Lamp Road, Wadeville, Germiston. COVID protocols will be observed at all times during the training and assessment.

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 from the Energy Sector Education and Training Authority (ESETA).

Registration for a Master Electrician is determined by the Department of labour. P and T Technology (Pty) Ltd is required to ensure competence for assessment of the above unit standards. 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 hazardous/specialised installations
- Maintenance electricians
- Electricians who issue Certificates of Compliance (CoC) on hazardous/specialised installations
- Electricians requiring assessments for Department of Labour accreditation application
- Electricians wanting to upgrade their knowledge of inspection and testing in hazardous/specialised electrical installations.

Pre-requisites

Knowledge of relevant codes of practice linked to hazardous/specialised 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 hazardous/specialised electrical installations inspections and tests.

Contents

- Applicable Occupational Health and Safety Act 85.1993 legislation
- Identification and assessment of area to be inspected.
- Hazardous/specialised area identification and zoning
- 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
- Practical application for inspecting and testing

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

- Training manual and Support material

Course duration:- 5 days (8:30 to 15:00)

Assessment duration: 1 day

Refreshments

Tea/coffee and lunches provided for the course days only

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.
- 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.

TO BRING WITH TO THE COURSE

You will be required to bring your codes of practice relevant to inspecting, testing and certifying hazardous/specialised installations. The following codes need to be brought with to the Masters course. (These are the same codes as required for the exams)

SANS Code	Description
SANS 10142-1	The wiring of premises Part 1: Low-voltage installations
SANS 10108	The classification of hazardous locations and the selection of apparatus for use in such locations.
SANS 60079-0	Electrical apparatus for explosive gas atmospheres Part 0: General requirements
SANS 60079-10 -1	Part 10-1: Classification of areas — Explosive gas atmospheres
SANS 60079-10-2	Part 10-2: Classification of areas — Combustible dust atmospheres
SANS 10123	The control of undesirable static electricity.
SANS 60079-14	Part 14: Electrical installations design, selection and erection
SANS 60079-17	Part 17: Electrical installations inspection and maintenance.
SANS 10086-2	The installation, inspection and maintenance of equipment used in explosive atmospheres Part 2: Electrical apparatus installed underground in mines
SANS 60079-19	Part 19: Equipment repair, overhaul and reclamation
SANS 10089-2	The petroleum industry – Part 2: Electrical and other installations in the distribution and marketing sector
SANS 60079-25	Part 25: Intrinsically safe electrical systems

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The codes can be bought from SABS in Pretoria or via their webpage <http://www.store.sabs.co.za/> where they will send you a PDF version of the code.

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 or a copy can be requested from our administration office.

Course cost - Training and assessment R 11 324.00 including 15% VAT

COVID protocols will be observed at all times during the training and assessment.



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Masters / Hazardous Unit Standard Program enrolment form

RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:

P and T Technology (Pty) Ltd Email: admin@pandttechnology.co.za

Invoice Company:- _____

P. O. Box _____ Code:- _____

First Name _____ Surname _____

Title _____ ID Number _____

Tel:- (____) _____ Fax:- (____) _____

Cell No:- _____ email:- _____

Occupation _____ Company VAT NO. _____ **(NB)**

Unit standards for Master Installation Electrician (Hazardous/specialised areas)

Training program and assessment R 11 324.00 (inclusive of 15%VAT)

Date of selected program: _____

The following codes need to be brought with to the Masters course.

SANS 60079 – 10-1: Explosive atmospheres Part 10-1 Classification of areas Explosive gas atmospheres

SANS 10108 : The classification of hazardous locations and the selection of apparatus for use in such locations (used with ARP 0108)

ARP 108: Regulatory requirements for explosion protected apparatus (if available from SABS)

COVID protocols will be observed at all times during the training and assessment.

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:

<http://pandttechnology.co.za/wp-content/uploads/2020/01/2-Information-brochure-for-application-of-registered-persons-.pdf>



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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	
Telephone Number/s	
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	
Attention	Admin
Email	admin@pandttechnology.co.za