



INSPECT-TEST-VERIFY-CERTIFY

Head Office
3 Hops Drive • Denver Park • George
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Wynand Möller • 082 451 1009 • wynand@tdmi.co.za
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TDMI Training is accredited training providers of EWSeta and well respected as a reputable training facility.

TDMI Training provides specialized and personalized training solutions to the electrical industry. Our programs is developed in such a way as to allow delegate to meet the requirements of the Department of Labour, in terms of accreditation, as well as to provide him/her with the necessary tools and expertise to confidently go out and INSPECT and TEST electrical installations, using the knowledge and recourses available to you.

OUR MISSION:

- 🔧 To provide excellent services to our students through people competence, sound business principles and innovations.
- 🔧 To equip students with knowledge, skills and information to interpret codes, standards and legislation and thereby enabling them to conduct and record valid detail during electrical installations, inspections and tests.
- 🔧 To help ensure a brighter future for learners through quality learning opportunities and enhancement of skills

OUR VALUES:

- 🔧 **Integrity** - We shall at all times be honest and transparent in our relationship with clients.
- 🔧 **Reliability** - We shall at all times honor our commitments given to clients.
- 🔧 **Product Quality** - We shall ensure that services rendered to clients are of exceptional high quality and in line with legal requirements.
- 🔧 **Client Service** - Clients shall receive excellent response times.
- 🔧 **Advice** - Value for money invested in processes and systems.

Our (TDMI's Training) program consists of:

1. **INSTAALLATION RULES:** Paper 1 and Paper 2 (only George, Western Cape) and/or
2. **UNIT STANDARDS:** Test, Inspect and Certify of Electrical Installation (George, Eden District and Naboomspruit, Limpopo)

as required by Department of Labour, to register for an INSTALLATION ELECTRICIAN (Wireman's License).

Enrollment and dates:

Enrollments and dates available on website – www.tdmi.co.za or contact Lynn Möller – 076 068 7667 / lynn@tdmi.co.za



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UNIT STANDARDS:

Test, Inspect and Certify

- **US 259197 –**
 - Test and inspect a three-phase industrial / commercial installation
- **US13683 –**
 - Issue certificate of compliance for a domestic / commercial / industrial installation
- **US25966 -**
 - Inspect and test a single phase domestic installation
- **US113898 –**
 - Complete a certificate of compliances for a single-phase domestic installation

TDMI TRAINING is registered providers for Unit Standards with EWSeta.

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 requires ensuring 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.

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.



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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.
- Main incomer and protections
- Main and sub boards including cascades
- Cables, wire ways, protection and Glands
- Hazardous/specialized 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 10 delegates in order to allow delegate participation

Course documentation provide

- Occupational Health and Safety Act 85.1993 booklet
- Support material

Certificates

- All delegates assessed competent will receive an attendance certificate and an EWSETA 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.
 - ☑ All re-assessments will be at no cost – excluded accommodation and meals



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- ☑ **Cancelled assessments** will be levied at a cost of **50% 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 EWSETA communication.

Learning assumed to be in place and recognition of prior learning

- *The following knowledge, skills attitude and/or equivalent:*
 - Wire and commission domestic electrical circuits
 - Have awareness of the application of statutory regulations to the installation
 - Unit standards essential embedded knowledge
 - Working knowledge of SANS 10142-1
 - Inspection documents and check lists pertaining to a single phase installation including the contents of a Certificate of Compliance
 - Understand the concepts of a Single phase / Industrial Installation and its environment
 - Types of material/equipment that may be used in electrical installations
 - Appropriate fault finding techniques for a single phase installation
 - Important factors affecting the safety of the installation for the user
 - The importance of accurately recording data and test results
 - The importance of understanding the SANS 10142-1 code in order to recognize defects and their specific relationship to the code requirements for installed electrical equipment.

Location of TDMI training courses:

- George, Garden Route, Western Cape
- Naboomspruit, Limpopo
- Mobile services available for 10-12 persons per class.

Course duration:

- 2 Days (09:00 – 17:00)

Certificates:

- All delegates assessed competent, will receive an EWSETA Statement of Results
- If not competent, delegate may attend another course at NO COST. Dates will be arranged.

Cost of Training:

R6 500-00 per delegate

Cost includes:

- Learning material
- Training



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- Attendance letter
- EWSeta Statement of Results (certificate) (if competent)
- 2 x lunch
- Coffee/Tea/Water

 **Accommodation available:**

- R700 bed, dinner and breakfast

 **Enrollment and dates:**

- Online enrolment – Eden District and Limpopo – www.tdmi.co.za
- Dates available on website
- Group bookings and mobile course available

For further enquiries, please contact Lynn Möller 076 068 7667 / lynn@tdmi.co.za or Wynand Möller 082 4511 009 / wynand@tdmi.co.za.

Thank you,

TDMI Training