

## ***THIS INFORMATION IS MADE POSSIBLE BY:***

<http://www.installationrulesstudymate.co.za>

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***The study material is a no nonsense guide for the Installation Rules course. It focuses on the sections most likely to be on the actual exam.***

*We have created study guides for both Installation Rules Paper I and Paper II, and have as well developed what we call the 'exam simulator' software to facilitate your exam preparation process.*

*The focus is on preparing you for the exams and to shorten your preparation time. The study material offers a self-paced method of preparing yourself for the exams. You will go through all the sections of the regulation book, but the great news is that you do not have to guess which sections of the book you need to focus on.*

*Every Module in the study guide guides you through the regulation book by answering questions similar to the ones you will face in the exam. The study guides consists of worked out calculation examples, a selection of questions and answers similar to the ones you will find on the actual exam.*

*All you need to do is go through the examples and use your latest standards to answer the questions in each module, and finally attempt as many questions as you can that will be generated by the Exam Simulator software.*

*Then, once that is done you will be ready to take the exam. If you work very hard, you can pass both papers with **DISTINCTIONS**.*



# labour

Department:  
Labour  
**REPUBLIC OF SOUTH AFRICA**

**OHS 3/1/5/7/9**

**OCCUPATIONAL HEALTH AND SAFETY ACT, 1993  
(as amended)  
REGISTRATION AS A REGISTERED PERSON  
Revised February 2009**

**REGISTRATION CRITERIA**

**INTRODUCTION**

This document outline the registration criteria that a person must comply with in order to be registered by the Chief Inspector as an Electrical Tester for Single Phase, Installation Electrician and Master Installation Electrician as defined in the Electrical Installation Regulation.

**1. ELECTRICAL TESTER FOR SINGLE PHASE**

**OPTION 1**

1.1 A candidate must:

**1.1.1 Minimum Integrated Practical and Theoretical Qualification**

- (a) Achieved a National Certificate in Electrical Engineering: NQF level 3 issued by the Energy Sector Education and Training Authority (ESETA).
- (b) Submit documentary proof of successful completed unit standards on inspection, testing and certification of single-phase domestic installations as prescribed by the ESETA.
- (c) Submit proof of one year practical experience or training (certificate of service from employer or a National Certificate in Electrical Engineering: NQF level 4) in electrical installation work after achieving the National Certificate in Electrical Engineering: NQF level 3.

### **1.1.2 Knowledge of Statutory Requirements**

Submit proof of working knowledge of the legislation and relevant health and safety standards applicable to single phase electrical installations, assessed by an ESETA registered assessor.

## **OPTION 2**

1.2 A candidate must:

### **1.2.1 Practical Qualification**

(a) Submit proof of having passed:

(i) the prescribed trade test in terms of the Manpower Training Act of 1981 in one of the following trade disciplines:

- Electrician
- Electrician (Engineering)
- Electrician (Construction)
- Millwright (Electro-mechanical)
- Lift Mechanic; or

(ii) the Electric: Chemical Electrical NQF level 4 qualification issued by the Chemical Industries Education and Training Authority (CHIETA).

(b) Submit documentary proof of successful completed unit standards on inspection, testing and certification of single-phase domestic installations as prescribed by the ESETA.

### **1.2.2 Minimum Theoretical Qualification**

(a) Achieved a National N2 Certificate with the following compulsory subjects:

- Mathematics
- Engineering Science
- Electrical Trade Theory

Or

(b) Achieved a Grade 11 (Standard 9) Certificate

- Mathematics
- Science
- Technica - electrical or an equivalent subject that may include a N2 subjects

Note 1: The candidate must pass each subject with a minimum of 40%.

Note 2: These minimum theoretical subjects may be a combination of Grade 11 and N2 subjects.

### **1.2.3 Knowledge of Statutory Requirements**

Submit proof of working knowledge of the legislation and relevant health and safety standards applicable to single phase electrical installations, assessed by an ESETA registered assessor.

## **OPTION 3**

1.3 A candidate must:

### **1.3.1 Practical Experience**

- (a) Provide 5 years proven experience in electrical installation work (letter from employers or certificate of service from employer).
- (b) Prove competence in constructing a single phase electrical installation as well as knowledge of basic electrical principles assessed at an ESETA accredited training provider.
- (c) Submit documentary proof of successful completed unit standards on inspection, testing and certification of single-phase domestic installations as prescribed by the ESETA.

### **1.3.2 Knowledge of Statutory Requirements**

Submit proof of working knowledge of the legislation and relevant health and safety standards applicable to single phase electrical installations, assessed by an ESETA registered assessor.

## 2. INSTALLATION ELECTRICIAN

### OPTION 1

2.1 A candidate must:

#### 2.1.1 Minimum Integrated Practical and Theoretical Qualification

- (a) Achieved a National Certificate in Electrical Engineering: NQF level 4 issued by the ESETA.
- (b) Submit documentary proof of successful completed unit standards on inspection, testing and certification of three phase industrial/commercial installations as prescribed by the ESETA.

#### 2.1.2 Knowledge of Statutory Requirements

Submit proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Installation Rules as administered by the Department of Education.

### OPTION 2

2.2 A candidate must:

#### 2.2.1 Practical Qualification

- (b) Submit proof of having passed:
  - (i) the prescribed trade test in terms of the Manpower Training Act of 1981 in one of the following trade disciplines:
    - Electrician
    - Electrician (Engineering)
    - Electrician (Construction)
    - Millwright (Electro-mechanical)
    - Lift Mechanic; or
  - (ii) the Electric: Chemical Electrical NQF level 4 qualification issued by the Chemical Industries Education and Training Authority (CHIETA).

- (b) Submit documentary proof of successful completed unit standards on inspection, testing and certification of three phase industrial/commercial installations as prescribed by the ESETA.

### **2.2.2 Minimum Theoretical Qualification**

- (a) National N3 Certificate with the following compulsory subjects:

- Mathematics
- Engineering Science
- Electrical Trade Theory or Electro-technology

Or

- (b) Grade 12 (Standard 10) Certificate

- Mathematics
- Science
- Technica - electrical or an equivalent subject that may include a N3 subject)

Note 1: The candidate must pass each subject with a minimum of 40%.

Note 2: These minimum theoretical subjects could be a combination of Grade 12 and N3 subjects.

### **2.2.3 Knowledge of Statutory Requirements**

Submit proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Installation Rules as administered by the Department of Education.

## **OPTION 3**

2.3 A candidate must:

### **2.3.1 Theoretical Qualification**

- (a) Submit a Diploma or Degree in Electrical Engineering:

- T3 Diploma (Heavy Current)
- S4 Diploma (Power Engineering)
- B-Tech Degree

- BSc or B Degree
- Government Certificate of Competency (Factories or Mines)

(b) Submit documentary proof of successful completed unit standards on inspection, testing and certification of three phase industrial/commercial installations as prescribed by the ESETA.

### **2.3.2 Knowledge of Statutory Requirements**

Submit proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Installation Rules as administered by the Department of Education.

## **3. MASTER INSTALLATION ELECTRICIAN**

### **OPTION 1**

3.1 A candidate must:

#### **3.1.1 Minimum Integrated Practical and Theoretical Qualification**

- (a) Be registered as an Installation Electrician for two years.
- (b) Submit proof of one year practical experience in hazardous locations.
- (c) Achieved a National Certificate in Electrical Engineering: NQF level 5 issued by the ESETA.
- (d) Submit documentary proof of successful completed unit standards on inspection, testing and certification of specialized electrical installations in hazardous locations as prescribed by the ESETA.

#### **3.1.2 Knowledge of Statutory Requirements**

Submit proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Specialised Electrical Installation Codes as administered by the Department of Education.

## **OPTION 2**

3.2 A candidate must:

### **3.2.1 Practical Qualification**

- (a) Be registered as an Installation Electrician for two years.
- (b) Submit proof of one year practical experience in hazardous locations.
- (c) Submit documentary proof of successful completed unit standards on inspection, testing and certification of specialized electrical installations in hazardous locations as prescribed by the ESETA.

### **3.2.2 Minimum Theoretical Qualification**

Submit a National N6 Certificate with one of the following subjects:

- Electrotechnics
- Fault Finding and Protection Devices
- Industrial Electronics

### **3.2.3 Knowledge of Statutory Requirements**

Proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Specialised Electrical Installation Codes as administered by the Department of Education.

## **OPTION 3**

3.3 A candidate must:

### **3.3.1 Practical Qualification**

- (a) Be registered as an Installation Electrician for two years.
- (b) Submit proof of one year practical experience in hazardous locations.
- (c) Submit documentary proof of successful completed unit standards on inspection, testing and certification of specialized electrical installations in hazardous locations as prescribed by the ESETA.



### **3.3.2 Minimum Theoretical Qualification**

Submit a Diploma or Degree in Electrical Engineering:

- T3 Diploma (Heavy Current)
- S4 Diploma (Power Engineering)
- B-Tech Degree
- BSc or B Degree
- Government Certificate of Competency (Factories or Mines)

### **3.3.3 Knowledge of Statutory Requirements**

Proof of knowledge on the legislation and relevant health and safety standards applicable to electrical installations by having passed the subject Specialised Electrical Installation Codes as administered by the Department of Education.

## **4. FOREIGN QUALIFICATIONS**

Candidates are required to have all their theoretical foreign qualifications evaluated by the South Africa Qualification Authority (SAQA) and the practical qualifications verified by ESETA accredited providers.

## **5. DOCUMENTS TO BE SUBMITTED**

The following documents must accompany the prescribed application form:

- Proof of practical proficiency (Trade document);
- Proof of theoretical proficiency (Academic records);
- Proof of legal knowledge proficiency (Examination results);
- Proof of Unit standard achievements;
- Copy of Identification document or passport;
- Two ID photo's (25 mm x 30 mm) colour or black & white;
- Un-cancelled revenue stamps to the value of R120-00.

Note: All copies to be certified

## **6. GENERAL INFORMATION**

6.1 The implementation date of these registration criteria is the 1<sup>st</sup> of May 2009.

6.2 The Department of Labour has inspectors in all provinces who will always be available to assist with the application, or log on to <http://www.labour.gov.za> for the latest information and application forms.

6.3 The following organisations may be contacted at:

CHIETA	Tel. no.: (011) 726 4026
ESETA	Tel. no.: (011) 689 5300
SAQA	Tel. no.: (012) 431 5000
Department of Labour	Tel. no.: (012) 309 4000

This document was signed on the 8<sup>th</sup> of April 2009 by the Chief Inspector.