

# **Electricity (Electrical Installations) Regulations 2002**

## **Table of Contents**

## **Enacting Formula**

## **Part I PRELIMINARY**

### **1 Citation and commencement**

### **2 Definitions**

## **Part II ELECTRICITY SUPPLY**

### **3 Voltages for supply**

### **4 Request for supply**

### **5 Connection of electrical installation to supply line**

### **6 Meters**

### **7 Modification to electrical installation, etc.**

### **8 Testing of electrical installation**

### **9 Adjustments to electrical installation when interfering with supply to other consumers, etc.**

### **10 Power to disconnect**

### **11 Failure of supply to consumers**

## **Part III ELECTRICAL INSTALLATIONS**

### **12 Person responsible for electrical installation**

### **13 All apparatus, etc., to be of requisite standards**

**14 Cable with aluminium conductors not to be used in domestic electrical installation**

**15 Cable for concealed wiring in installation**

**16 Authority may require use of high-sensitivity residual current circuit breaker**

**17 Switchboard**

**18 High voltage switchboard**

**19 Adequate lighting where apparatus installed**

**20 Use of auto-transformers**

**21 Instructions for treatment of electric shock**

**22 Supply installation to be operated and used safely**

#### **Part IV WORK ON HIGH VOLTAGE APPARATUS**

**23 Work to be carried out or supervised by authorised high voltage switching engineer or by competent person**

**24 Duties of authorised high voltage switching engineer before commencement of work**

**25 Duties of authorised high voltage switching engineer upon completion of work**

**26 Where apparatus connected to source of supply of electricity outside control of authorised high voltage switching engineer**

#### **Part V LICENSING OF ELECTRICAL AND SUPPLY INSTALLATIONS**

**27 Licence to use or operate electrical or supply installation**

**28 Application for licence or renewal of licence**

**29 Fee not refundable**

**30 Licence to subject to conditions, etc.**

**31 Notification to Authority of change of address**

**32 Duty of licensed electrical worker**

**33 Display of licence**

**34 Reduction of period of suspension**

**35 Replacement licence**

**36 Licensee to inform Authority of cessation of employment by him of licensed electrical worker**

**37 Production of electrical or supply installation licence and giving of information to authorised officer**

**38 Register of electrical and supply installation licences**

**39 Information from register of electrical and supply installation licences**

## **Part VI MISCELLANEOUS**

**40 Penalties**

**41 Revocation**

## **THE SCHEDULE Fees**

ELECTRICITY ACT  
(CHAPTER 89A)

ELECTRICITY (ELECTRICAL INSTALLATIONS) REGULATIONS 2002

In exercise of the powers conferred by section 103 of the Electricity Act, the Energy Market Authority of Singapore, with the approval of Mr Khaw Boon Wan, Senior Minister of State, Ministry of Transport and Ministry of Information, Communications and the Arts, charged with the responsibility of the Minister for Trade and Industry, hereby makes the following Regulations:

PART I

PRELIMINARY

**Citation and commencement**

1. These Regulations may be cited as the Electricity (Electrical Installations) Regulations 2002 and shall come into operation on 1st January 2003.

**Definitions**

2. In these Regulations, unless the context otherwise requires —

“appliance” means any device which uses electricity for a particular purpose but does not include a luminaire or an independent motor;

“appropriate class”, in relation to a licensed electrical worker, means a licensed electrical worker of the appropriate class as specified in the Electricity (Electrical Workers) Regulations 2002 (G.N. No. S 602/2002);

“authorised high voltage switching engineer” means a licensed electrical engineer —

- (a) authorised by the Authority to operate a high voltage apparatus; and
- (b) employed or appointed by the licensee of the electrical installation of which the high voltage apparatus forms a part to be in charge of or to control such apparatus;

“building operation” has the same meaning as in the Factories Act (Cap. 104);

“circuit breaker” means a mechanical switching device capable of —

- (a) making, carrying and breaking an electricity current under normal circuit conditions; and
- (b) making and carrying for a limited time and breaking an electricity current under specified abnormal circuit conditions including a short circuit;

“competent person” means a person appointed by an authorised high voltage switching engineer to carry out work on a high voltage apparatus;

“danger” means danger to health or danger to life or limb —

- (a) from shock, burn or other injury to persons (and animals where present); or
- (b) from fire,

attendant upon the use of electricity;

“dead”, in relation to a high voltage apparatus, means its electric potential is at or about Earth potential and it is disconnected from any live electrical system;

“earthed”, in relation to any part of an electrical installation, means being effectually connected to the general mass of the Earth;

“extra-low voltage” means a voltage not exceeding 50V a.c. or 120V d.c., whether between conductors or between conductor and Earth;

“final circuit” means a circuit connected either directly to a device which utilises electricity, or indirectly to such a device by means of one or more socket outlets or other outlet points;

“high voltage apparatus” means an apparatus, in an electrical installation, whose designated voltage exceeds low voltage and includes any conductor, secondary and control wiring and equipment which form part of the apparatus;

“licensed electrical worker” means an electrical worker licensed under section 82 of the Act;

“live”, in relation to an electrical system or any part thereof, means a voltage exists between any conductor in the system and Earth or between any 2 conductors in the system;

“market company” means a person who is licensed to operate any wholesale electricity market established by the market rules;