

Occupational Licensing (Standards of Electrical Work) Code of Practice 2017

Occupational Licensing Act 2005

DOC/16/10365 (v2.0)

I, Dale Edward Webster, Administrator of Occupational Licensing, establish the following Code of Practice under section 53 of the *Occupational Licensing Act 2005*.

1. Short Title

This Code of Practice may be cited as the *Occupational Licensing (Standards of Electrical Work) Code of Practice 2017*

2. Commencement

This Code of Practice takes effect on 1 December 2017

3. Recission

The *Occupational Licensing (Standards of Electrical Work) Code of Practice 2016* is rescinded.

4. Purpose

This code of practice sets the –

- a) minimum standards for electrical work;
- b) minimum requirements for electrical compliance labelling of transportable structures and vehicles; **and**
- c) duties in relation to the reporting and notification of defective electrical work.

5. Application of Acts Interpretation Act 1931

The *Acts Interpretation Act 1931* applies to this Code of Practice.

6. Interpretation

For the purposes of this determination, the following terms have the following meanings.

“**Act**” means the *Occupational Licensing Act 2005*.

“**Administrator**” means the Administrator of Occupational Licensing appointed under the Act.

“**AEMO**” means the Australian Energy Market Operator Limited.

“**AS 2067**” means AS 2067:2008, Substation and high voltage installations exceeding 1 kV a.c. issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended, revised or

superseded from time to time.

“AS/NZS 3000” means AS/NZS 3000:2007, Electrical installations (known as Australian/New Zealand Wiring Rules) issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended, revised or superseded from time to time.

“AS/NZS 3001” means AS/NZS3001:2008, Electrical Installations – Transportable structures and vehicles, including their site supplies, issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended, revised or superseded from time to time.

“AS/NZS 7000” means AS/NZS 7000:2010, Overhead line design – Detailed procedures issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended, revised or superseded from time to time.

“Australian Standards” means the standards issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642).

“Chief Electrical Inspector” means the person for the time being holding, occupying or performing the duties of the Chief Electrical Inspector, Electricity Standards and Safety unit, Consumer Building and Occupational Services Division of the Department of Justice.

“contractor” has the meaning given by section 3 of the Act, in respect of electrical work.

“dangerous electrical installation or electrical infrastructure” means an electrical installation or electrical infrastructure that poses an immediate danger to life or serious threat to property.

“defective electrical work” has the meaning given by the definition of ‘defective work’ in section 3 of the Act, with regard to electrical work.

“Electrical Compliance Label” means the label that is completed and attached by the electrical practitioner or electrical contractor responsible for the electrical work associated with the transportable structures and vehicles electrical installation.

“electricity generator” means an electricity generating device or a number of such devices, whether or not connected to electrical infrastructure, that has, or have when combined, the capacity to generate more than 10 kilowatts per phase but less than a total of 5 megawatts of electricity.

“Electricity Consumption Metering Requirements (Tasmania)” means the document produced by the Department of Justice in Tasmania with the reference number DOC/17/85250 **“electrical work”** has the meaning given it by regulation 4 of the Regulations.

“engineering design” means the process a competent engineer or engineering department, uses to devise a system, component, or process to meet minimum standards.

“good electricity industry practice” means a level and standard of skill, diligence, prudence and foresight that reasonably would be expected of those who work on, operate or maintain electrical installation and electrical infrastructure consistent with applicable laws, regulations, licences, codes, reliability, safety and environmental protection obligations.

“Metering Provider” means a person or business that meets the requirements of the National Electricity Rules and is accredited by and registered as such with AEMO.

“nominated manager” means:

- a) a person who is named in a licence or a notice under section 26 (1) (c) of the Act, as a nominated manager, for electrical work; **or**
- b) where there is no obligation for a contracting licence to perform the electrical work and there is no person named in paragraph (a) hereof, the person having the management and control of the electrical work.

“person in training” means a person who falls within the terms of section 22 (1) (b) and (c) of the Act.

“practitioner” has the meaning given it by section 3 of the Act in respect of electrical work.

“premises” means has the meaning given it by section 3 of the Act.

“Regulations” means the *Occupational Licensing (Electrical Work) Regulations 2008*.

“Retailer” for the purposes of this Code of Practice means a person or business authorised by the Australian Energy Regulator to engage in the retail sale of electricity and includes a Metering Provider.

“severely defective electrical work” has the meaning given by the Occupational Licensing (Classification of Electrical Work) Determination 2016

“site occupant” means the owner, occupier or person (other than the practitioner and electrical contractor), that is directly and immediately responsible for the site or premises where there is an electrical installation, electrical infrastructure or electrical work is being performed.

“supervisor” has the meaning given it by the *Occupational Licensing (Supervision of Prescribed Work) Code of Practice 2010*.

“transportable structures and vehicles” means structures and vehicles that are within the general scope and inclusions of AS/NZS3001.

Part I – Standards of Electrical Work

7. Compliance with Standards

- 1) Incorporated into this Code of Practice are:
 - a. AS 2067;
 - b. AS/NZS 3000;
 - c. AS/NZS 7000; **and**
 - d. any additional obligations imposed by AS 2067, AS/NZS 3000 and AS/NZS 7000 referring to further Australian Standards or documents, including any amendments or revisions of those Australian Standards or documents from time to time.
 - e. The installation of electricity consumption metering, installed for the purpose of recording electricity for the an electricity Retailer, must comply, as relevant to the electrical work, with the most current revision of the document known as “Electricity Consumption Metering Safety Requirements (Tasmania) – DOC/17/85250”.
- 2) Any person in training, practitioner or contractor performing electrical work, must comply with the Australian Standards and documents mentioned in clause 7 (1).

- 3) Where there is any inconsistency between or amongst the Australian Standards or documents mentioned in clause 7 (1), the most onerous provision shall be complied with; unless good electricity industry practice or engineering design, and a documented favorable risk assessment, supports the application of the less onerous provision.
- 4) Where there is any aspect of the electrical work not otherwise governed by the Australian Standards or documents mentioned in clause 7 (1), then the electrical work must comply with good electricity industry practice.
- 5) Where repairs, alterations or additions are performed in an electrical installation, or on electrical infrastructure:
 - a) the repairs, as a minimum, must comply with the standard of electrical work when originally installed;
 - b) all additions and alterations must comply with the current standards of electrical work.

8. Commencement of Standards of Electrical Work and any Amendments

- 1) Any Australian Standards incorporated into this Code of Practice by clause 7 (1), take effect from the date of publication of the relevant standard, unless:
 - a) any such standard states it takes effect on a date different to the date of publication, in which case any such standard takes effect on that stated date; **or**
 - b) the Chief Electrical Inspector sets another commencement date, in which case any such standard takes effect on that other commencement date; **or**
 - c) on written application, the Chief Electrical Inspector otherwise approves another date for a specific project or premises.
- 2) The written application to the Chief Electrical Inspector required by clause 8 (1) c), must set out:
 - a) the proposed alternative commencement date;
 - b) all the reasons why an alternative commencement date is sought;
 - c) which specific requirements of which Australian Standards are sought to be subject to an alternative commencement date; **and**
 - d) the applicant acknowledges the application of section 101 of the Act.

Part 2 – Electrical Compliance Labelling

9. Labelling of transportable structures and vehicles

- 1) All electrical work performed on, or for the construction of, transportable structures and vehicles must:
 - a) be in accordance with AS/NZS 3001; **and**
 - b) have an Electrical Compliance Label attached.
- 2) The Electrical Compliance Label must:
 - a) be completed and signed by the practitioner responsible for the electrical work;

- b) be a completed on the approved form/label DOC/16/16772, provided by Consumer, Building and Occupational Services (refer Appendix A for sample);
 - c) verify the transportable structure or vehicle is compliant with the standards of electrical work and safe for use, as at the date specified on the label; **and**
 - d) be securely attached to the transportable structure or vehicle, adjacent to the electrical installation switchboard or circuit breaker;
 - e) have 'Gratuitous Work' written in the Contractor's name field, when the electrical work is performed gratuitously and not under the management and control of an electrical contractor.
- 3) All information completed on the Electrical Compliance Label, must be legible and indelible.
- 4) The electrical practitioner responsible for the:
- a) electrical work; **or**
 - b) inspection, verification and testing of the of the transportable structure or vehicle electrical installation;
- must ensure an Electrical Compliance Label is attached to the transportable structure or vehicle, once it is capable of being energised.
- 5) When additional electrical work, or other inspection, verification and testing is carried out on the transportable structure or vehicle installation, and such structure or vehicle:
- a) has an existing Electrical Compliance Label attached, that label must be replaced with a new Electrical Compliance Label; **or**
 - b) does not have an Electrical Compliance Label attached, an Electrical Compliance Label must be attached.
- 6) The obligations with regard to the recording and notification of electrical work, in accordance with the Act and Regulations, are still applicable.

Part 3 - Duty to Report or Notify

10. Reporting and Notification of Defective Electrical Work

- 1) A person in training, who identifies any defective electrical work, must as soon as practicable, advise their supervisor of the defective electrical work.
- 2) A supervisor that has been advised of any defective electrical work, must as soon as practicable, ascertain if it is defective electrical work and, if so, must as soon as practicable thereafter advise:
 - a) the site occupant; **and**
 - b) their nominated manager,of the defective electrical work.
- 3) A practitioner who identifies any defective electrical work, must as soon as practicable, advise:
 - a) the site occupant; **and**
 - b) their nominated manager,of the defective electrical work.

- 4) A supervisor or practitioner who identifies any severely defective electrical work, must immediately advise:
 - a) the site occupant; **and**
 - b) their nominated manager;in that sequence, of the severely defective electrical work.
- 5) Subject to clause (6), a nominated manager who has been advised of severely defective electrical work, must immediately verbally advise, and subsequently report in writing, the severely defective electrical work to the Chief Electrical Inspector.
- 6) Clause 10) (5) does not apply where:
 - a) the practitioner advised the site occupant of the severely defect electrical work; **and**
 - b) the severely defect electrical work has been:
 - (i) made safe; **and**
 - (ii) rectified, or planned to be rectified as soon as practicable, under the management and control of that nominated manager, as part of that electrical work being undertaken by that electrical contractor.
- 7) The Electrical Safety Inspection Service provider, when advised of any severely defective electrical work, must:
 - a) initiate an inspection of the severely defective electrical work;
 - b) take action as required by regulation 22 (8) of the Regulations, for severely defective electrical work; and
 - c) if not advised by the Chief Electrical Inspector, notify the Chief Electrical Inspector of the severely defective electrical work.
- 8) The written report required by clause 10 (5), must include:
 - a) the address of the site or premises;
 - b) the site occupant's name and contact details;
 - c) the name, licence number and phone contact details of the electrical practitioner who identified the severely defective electrical work, and the date identified;
 - d) the name, licence number and phone contact details, of the electrical contractor reporting the severely defective electrical work, and the date of the report.
- 9) In the interests of electrical safety, where a practitioner or nominated manager identifies dangerous electrical installation or electrical infrastructure, the practitioner or nominated manager is to manage and report the dangerous electrical installation or electrical infrastructure as if it was severely defective electrical work.

Note: a sample of the written report for severely defective electrical work is provided in Appendix B



Dale Webster

Administrator of Occupational Licensing


Date: 30 November 2017

Explanatory Notes

1. This Code of Practice does not remove any other legal obligation, including those relating to the management and control of safe workplaces, making hazards and dangers safe, and workplace health and safety.
2. The obligations of electrical contractors and nominated managers under the *Occupational Licensing Act 2005* apply to a person having the management and control of an organisation's electrical work; e.g. the management and control of a licensed practitioner performing electrical work on that organisation's electrical infrastructure or electrical installation, where there is no requirement for a contracting licence to perform the electrical work.
3. This version of the Code of Practice has been amended to:
 - a. include safety requirements for the installation of consumer metering equipment.

Appendix A

Sample of Electrical Compliance Label

Electrical Compliance Label No: xxxx		 Tasmanian Government	
Transportable Structures and Vehicles			
DO NOT REMOVE THIS LABEL (UNLESS REPLACING)			
Type of structure:		Chassis or Registration Number:	
This electrical installation has been inspected, verified and tested, and complies with the standards of electrical work required under the <i>Occupational Licensing Act 2005</i> .			
Practitioner's Signature:		Date:	
Practitioner's Name:	Practitioner's Lic. No.
Contractor's Name:	Contractor's Lic. No.

Note

Labels available from:

Consumer, Building and Occupational Services
 PO Box 56
 ROSNY PARK TAS 7018
 Email: cbosinfo@justice.tas.gov.au
 Phone: 1300 654 499

Before supplying an Electrical Compliance Label, the number of the Certificate of Electrical Compliance (CEC) to be lodged, will be requested.

Appendix B –

Sample of report format

- Severely Defective Electrical Work Report**
- Dangerous Electrical Installation/Electrical Infrastructure Report**

Site Address:

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Site Occupant name: Contact phone number:

Detailed description of Defects or Dangers:

Details of action taken to make safe or rectify:

Electrical practitioner (who identified the defect/danger) Name:

Licence number: Phone number:

Electrical contractor (making report) Name:

Licence number: Phone number:

Orally advised Chief Electrical Inspector Time Date:/...../.....

Written report to Chief Electrical Inspector Time Date:/...../.....

Nominated Manager Name:

Nominated Manager Signature: Date:/...../.....