

Occupational Licensing (Electrical Work) Determination 2009

OCCUPATIONAL LICENSING ACT 2005

DD001

I, Kerrie Davidia Crowder, Administrator of Occupational Licensing, hereby amend the Determination made on 23 December 2008 and commenced on 19 January 2009, and make the following Determination under sections 30 and 31 of the *Occupational Licensing Act 2005*.

1. Short title

This determination may be cited as the *Occupational Licensing (Electrical Work) Determination 2009*.

2. Commencement

This Determination will commence on 22 April 2009.

3. Interpretation

(1) In this Determination, unless the context otherwise requires –

“**AS 3000**” means AS/NZS 3000 Electrical Installations (known as Australia/New Zealand Wiring Rules) issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended from time to time;

“**competent person**” means a person who has acquired, through training, qualifications or experience, or a combination of them, knowledge and skill enabling him or her to perform the required task correctly;

“**electrical infrastructure**” means equipment, lines and wires for the generation, transmission or distribution of electricity supplied by an electricity entity and includes supporting and protective structures relating to any such equipment, lines or wires;

“**electrical installation**” means an electrical circuit or a set of wires and associated fittings, equipment and accessories that is, or is to be, connected to a system for the generation, transmission or distribution of electricity;

“**electrical work**” has the meaning given by regulation 4 of the *Occupational Licensing (Electrical Work) Regulations 2008*;

“**qualification**” means formal certification in vocational education and training by a registered training organisation and under the Australian Qualifications Framework that a person has achieved all the units of competence or modules comprising learning outcomes stated for the qualification in –

- (a) a Training Package for which details of the qualification have been registered in the national training register; or
- (b) an accredited training course that provides training for the qualification;

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“reciprocating jurisdiction” means -

- (a) a State other than Tasmania; or
- (b) a Territory; or
- (c) New Zealand.

“Training Package” means a set of standards and qualifications endorsed by the National Quality Training Council for recognising and assessing a person’s skills including, without limitation –

- (a) the Electrotechnology Training Package; and
- (b) the ESI – Transmission, Distribution and Rail Training Package;

“Type A appliance” has the meaning given it by the *Gas Act 2000*;

“Type B appliance” has the meaning given it by the *Gas Act 2000*;

“unit of competence” means a specification of knowledge and skill and their application to a standard of performance specified in a nationally endorsed Training Package.

- (2) In this Determination, references to units of competence are to read as units of competence provided within the relevant Training Package.
- (3) In this Determination, references to disconnection and re-connection are to be read as not including electrical work –
 - (a) where high fault currents are possible; or
 - (b) on complex electrical apparatus and circuits; or
 - (c) on associated fixed wiring, (other than disconnecting and reconnecting electrical equipment) –
 - (i) to locate and rectify faults of circuits at a switchboard or with general electrical accessories (including switches, socket outlets and circuit protective devices); or
 - (ii) to install or alter any part of fixed electrical wiring systems; or
 - (d) on luminaries that are not pre-assembled neon signs; and
 - (e) in hazardous areas or on explosion-protected electrical equipment.

4. Application of Acts Interpretation Act 1931

The *Acts Interpretation Act 1931* applies to this Determination.

5. Objects of this Determination

For the purposes of issuing licences to practitioners for electrical work under the *Occupational Licensing Act 2005* –

- (a) electrical work is divided into classes as provided by this Determination; and
- (b) applicants for licences must show evidence of competence, and comply with other requirements, as provided by this Determination.

6. Proof of continuing competency

- (1) This clause applies to a licence of any class provided by this Determination.
- (2) Where an application is made for a licence 3 years or more after the applicant has gained a relevant qualification or has held a relevant licence of any class provided by this Determination, the applicant must, if requested, satisfy the Administrator that he or she is a competent person.

7. Electrician's Licence

- (1) The holder of an Electrician's Licence may perform any electrical work;
- (2) An Electrician's Licence may be issued to a person who has –
 - (a) completed either of the following qualifications within the relevant Training Package –
 - (i) Certificate III Electrotechnology Systems Electrician (UTE31199);
 - (ii) Certificate III Electrotechnology Electrician (UEE30807) –or an equivalent qualification approved by the Administrator; or
 - (b) Completed 12 months' experience in the practical application of AS3000; and
 - (c) Satisfied the Administrator that he or she has completed the equivalent of 4 years' relevant experience performing electrical work in residential, commercial or industrial situations, which period may include time spent in complying with paragraphs (a) and (b).
- (3) An Electrician's Licence may be issued to a person who has held a Provisional Electrician's Licence and has –
 - (a) completed 12 months' experience in the practical application of AS3000; and
 - (b) satisfied the capstone assessment requirements within the Certificate III courses mentioned in subclause (2)(a)(i) and (ii); and
 - (c) completed any gap training required by a certificate issued under clause 8(2)(b).
- (4) An Electrician's Licence may be issued to a person who has satisfied the Administrator that they have the equivalent of (2) or (3) above.

8. Provisional Electrician's Licence

- (1) The holder of a Provisional Electrician's Licence may perform electrical work but only if –
 - (a) he or she is supervised by the holder of an electrician's licence; and
 - (b) he or she does not supervise any other person or sign any approved form relating to the recording or notification of the electrical work.
- (2) A provisional electrician's licence may be issued to a person who has been issued with –
 - (a) an Australian Recognised Trades Certificate as an electrician, electrical mechanic or electrical fitter issued by Trades Recognition Australia recognising the applicant as an electrician; or
 - (b) an Off-Shore Technical Skills Record Certificate as a general electrician issued by an organisation approved by the Commonwealth; or
 - (c) if the Administrator is satisfied that he or she has made substantial progress, before or after 19 January 2009, towards qualifying as an electrician as mentioned in clause 7 and is able to achieve that qualification within a period of 12 months after the granting of a provisional licence.

9. Restricted Electrical Work Licences

- (1) If a proposed Restricted Electrical Work Licence is for electrical work incidental to other work for which the applicant is required to hold a licence or other authority, then he or she must be duly licensed or authorised to carry out that work.
- (2) An applicant for a Restricted Electrical Work Licence mentioned in clauses 10 to 20, must give the Administrator full details of the electrical work to be carried out, and the reasons why it should be carried out by the applicant, by providing the Administrator with –
 - (a) particulars of a relevant qualification for the Restricted Electrical Work Licence; or
 - (b) if the applicant cannot provide those particulars –
 - (i) a written statement from his or her current or prospective employer; or
 - (ii) in the case of a self-employed applicant, a statutory declaration –giving full details of the electrical work to be performed, the reasons why it should be performed by the applicant and also details of any other relevant matter required by the Administrator.

10. Restricted Electrical Work Licence – Refrigeration and Air Conditioning

- (1) A practitioner who holds a Restricted Electrical Work Licence – Refrigeration and Air Conditioning may carry out electrical work restricted to activities involved in testing, fault finding, repairing, replacing and maintaining systems and equipment relating to refrigeration, air conditioning and air distribution including –
 - (a) the disconnection and reconnection of such systems, equipment and their components; and
 - (b) fault finding of such systems and equipment to determine component failure.
- (2) A Restricted Electrical Work Licence – Refrigeration and Air Conditioning may be issued to a person who has –
 - (a) completed either of the following qualifications within the relevant Training package –
 - i) Certificate III Electrotechnology – Refrigeration and Air Conditioning (UTE30999);
 - ii) Certificate III Refrigeration and Air Conditioning (UEE31307); or
 - (b) an equivalent qualification approved by the Administrator and in addition either of the following 2 combinations of units of competence within the same Training Package:
 - (i) UTENES208 and UTENES505; or
 - (ii) UEENEEP001 and UEENEEP007; or
 - (c) held a Provisional Restricted Electrical Work Licence – Refrigeration and Air Conditioning and completed any gap training required by the certificate issued under clause 11(2)(b); or
 - (d) completed an equivalent qualification and combination of units of competence approved by the Administrator.

11. Provisional Restricted Electrical Work Licence – Refrigeration and Air Conditioning

- (1) A practitioner who holds a Provisional Restricted Electrical Work Licence – Refrigeration and Air Conditioning may perform the electrical work referred to in clause 10 but only if –
 - (a) he or she is supervised by the holder of an electrician's licence or the holder of a Restricted Electrical Work Licence – Refrigeration and Air Conditioning; and
 - (b) he or she does not supervise any other person carrying out the electrical work or sign any approved form relating to the recording or notification of that work.

- (2) A Provisional Restricted Electrical Work Licence – Refrigeration and Air Conditioning may be issued to a person who has been issued with –
 - (a) an Australian Recognised Trades Certificate issued by Trades Recognition Australia recognising the applicant as a refrigeration and air conditioning mechanic; or
 - (b) a Refrigeration and Air Conditioning Mechanic Off-Shore Technical Skills Record Certificate issued by an organisation approved by the Commonwealth –

or if the Administrator is satisfied that he or she has made substantial progress, before or after 19 January 2009, towards qualifying as a refrigeration and air conditioning mechanic, as mentioned in clause 10(2)(a) or (b) and is able to achieve that qualification within a period of 12 months after granting of a provisional restricted licence.

12. Restricted Electrical Work Licence – Instrumentation

- (1) A practitioner who holds a Restricted Electrical Work Licence – Instrumentation may carry out electrical work restricted to activities involved in testing, fault finding, repairing, replacing and maintaining systems and devices for measurement and recording of physical or chemical phenomenon and related process control including –
 - (a) the disconnection and reconnection of such systems and devices; and
 - (b) fault finding of such systems and devices to determine component failure.

- (2) A Restricted Electrical Work Licence – Instrumentation may be issued to a person who has completed either of the following qualifications within the relevant Training Package:
 - (a) Certificate III Electrotechnology – Instrumentation (UTE30899);
 - (b) Certificate III in Instrumentation and Control (UEE31207); or

holds an equivalent qualification approved by the Administrator and in addition, has completed either of the following combinations of units or competence within the same Training Package:

- (c) UTENES208 and UTENES505; or
- (d) UEENEEP001 and UEENEEP007; or

has completed an equivalent qualification and combination of units of competence approved by the Administrator.

13. Restricted Electrical Work Licence – Electronics

- (1) A practitioner who holds a Restricted Electrical Work Licence – Electronics may carry out electrical work restricted to activities involved in testing, fault finding, repairing, replacing and maintaining -

- (a) electronic equipment and devices at component or sub-assembly level, including communications, audio, video and TV, personal computer and networks, security and custom installations; and
 - (b) wired and wireless security systems in multiple, commercial industrial premises,
- and may also carry out –
- (c) the disconnection and reconnection of such systems, equipment, machines and devices; and
 - (d) fault finding of such systems, equipment, machines and devices to determine component failure.
- (2) A Restricted Electrical Work Licence – Electronics may be issued to a person who holds an Australian Qualifications Framework (AQF) Certificate III qualification within a Training Package relevant to the performance of work on electronic equipment and has completed one of the following combinations of units of competence –
- (a) UTENES208 and UTENES505; or
 - (b) UEENEEP001 and UEENEEP007; or
- has completed an equivalent qualification and combination of units of competence approved by the Administrator.
- (3) In this clause, “**electronic equipment**” means equipment controlled by solid-state devices operating at extra low voltage.

14. Restricted Electrical Work Licence – Water Heaters

- (1) A practitioner who holds a Restricted Electrical Work Licence – Water Heaters may carry out electrical work restricted to activities involved in testing, fault identification, repairing, replacing and maintaining electric water heaters including –
- (a) disconnection and reconnection of such heaters or components; and
 - (b) fault identification of such heaters to determine component failure.
- (2) A Restricted Electrical Work Licence – Water Heaters may be issued to a person who has completed either of the following units of competence within the relevant Training Package:
- (a) UTENES208; or
 - (b) UEENEEP001; or
 - (c) an equivalent unit of competence approved by the Administrator,
- and must hold, in respect of the relevant water heater, either –
- (a) a licence issued under the Act; or
 - (b) registration as a sanitary plumber or water plumber issued under the *Plumbers and Gas-fitters Registration Act 1951*.

15. Restricted Electrical Work Licence – Pre-Assembled Neon Signs

- (1) A practitioner who holds a Restricted Electrical Work Licence – Pre-Assembled Neon Signs may carry out electrical work restricted to activities involved in testing, fault identification, repairing, replacing and maintaining pre-assembled neon signs including –
- (a) disconnection and reconnection of such signs of components but only at a point where the circuit enters the sign or from the local isolation switch; and

- (b) fault identification of such signs to determine component failure.
- (2) A Restricted Electrical Work Licence – Pre-Assembled Neon Signs may be issued to a person who has completed either of the following units of competence within the relevant Training Package –
 - (a) UTENES208; or
 - (b) UEENEEP001; oror an equivalent unit of competence approved by the Administrator.
- (3) In this clause, “**pre-assembled neon signs**” means pre-assembled neon signs Types I and II Cold Cathode Neon Signs as defined by AS/NZS 3832 – Electrical Installations – Cold-cathode illumination systems, issued by Standards Australia and distributed by SAI Global Limited (ACN 050 611 642), as amended from time to time.

16. Restricted Electrical Work Licence – Composite Equipment

- (1) A practitioner who holds a Restricted Electrical Work Licence – Composite Equipment may carry out electrical work restricted to activities involved in testing, fault identification, repairing, replacing and maintaining equipment incorporating one or more current-using devices or controls, including –
 - (a) disconnection and reconnection of such devices or components; and
 - (b) fault identification of such devices to determine component failure.
- (2) A Restricted Electrical Work Licence – Composite Equipment may be issued to a person who has completed either of the following units of competence within the relevant Training Package –
 - (a) UTENES208; or
 - (b) UEENEEP001; oran equivalent unit of competence approved by the Administrator.

17. Restricted Electrical Work Licence – Control Devices

- (1) A practitioner who holds a Restricted Electrical Work Licence – Control Devices may carry out electrical work restricted to activities involved in testing, fault identification, repairing, replacing and maintaining control devices including –
 - (a) disconnection and reconnection of such devices or components; and
 - (b) fault identification of such devices to determine component failure.
- (2) A Restricted Electrical Work Licence – Control Devices may be issued to a person who has completed either of the following units of competence within the relevant Training Package –
 - (a) UTENES208; or
 - (b) UEENEEP001; oran equivalent unit of competence approved by the Administrator.

18. Restricted Electrical Work Licence – Gas Appliances

- (1) A practitioner who holds a Restricted Electrical Work Licence – Gas Appliances may carry out electrical work restricted to activities involved in testing, fault identification, repairing, replacing and maintaining Type A appliances or Type B appliances including –
 - (a) disconnection and reconnection of such appliances or components; and
 - (b) fault identification of such appliances to determine component failure.

- (2) A Restricted Electrical Work Licence – Gas Appliances may be issued to a person who has completed one of the following units of competence –
- (a) UTENES208 or UEENEEP001 within the relevant Training Package; or
 - (b) an equivalent unit of competence approved by the Administrator;
- and must hold, in respect of the relevant gas appliance, either –
- (c) a licence issued under the Act; or
 - (d) registration as an LP gas-fitter issued under the *Plumbers and Gas-fitters Registration Act 1951*; or
 - (e) a certificate of competency for Gas-fitting (Natural Gas) issued under the *Workplace Health and Safety Act 1995*.

19. Restricted Electrical Work Licence – Motors

- (1) A practitioner who holds a Restricted Electrical Work Licence – Motors may carry out electrical work restricted to activities involved in the disconnection and reconnection of electric motors connected by fixed wiring.
- (2) A Restricted Electrical Work Licence – Motors may be issued to a person who has completed either of the following units of competence within the relevant Training Package –
- (a) UTENES208; or
 - (b) UEENEEP001; or
- an equivalent unit of competence approved by the Administrator.

20. Restricted Electrical Work Licence – Explosion Protection Equipment

- (1) A practitioner who holds a Restricted Electrical Work Licence – Explosion Protection Equipment may carry out electrical work restricted to activities involved in the disconnection and reconnection of flame proof, increased safety and intrinsic safety electrical equipment.
- (2) A Restricted Electrical Work Licence – Explosion Protection Equipment may be issued to a person who has completed either of the following units of competence within the relevant Training Package –
- (a) UTENES211; or
 - (b) UEENEEP004; or
- an equivalent unit of competence approved by the Administrator.
- (3) In this clause, “**explosion protection equipment**” means equipment or part of equipment with a technique of protection applied to prevent the ignition of flammable vapours and gases in hazardous areas.

21. Electrical Work Licence – Cable Joiner

- (1) A practitioner who holds an Electrical Work Licence – Cable Joiner may carry out electrical work on the installation, repair, alteration or removal of electrical infrastructure lines and wires for the generation, transmission or distribution of electricity (including street lights, controlling lines and wires as well as supporting and protective structures relating to any such equipment, lines or wires) that consists solely of the following:
- (a) Installing, jointing, terminating, testing, energizing, servicing, maintaining, fault finding, altering, removing, repairing or replacing electrical cabling and associated hardware and equipment which, excluding electricity consumption metering and linework, includes –

- (i) polymeric electrical cable jointing work; and
 - (ii) paper-metallic lead electrical cable jointing work; and
 - (iii) oil filled electrical cable jointing work; and
 - (iv) gas filled electrical cable jointing work; or
- (b) cable jointing on an electrical installation, deemed by the Administrator to be equivalent to the work mentioned in paragraph (a).
- (2) An Electrical Work Licence – Cable Jointer may be issued to a person who –
- (a) has completed either of the following qualifications –
 - (i) UTT98 ESI – Transmission Distribution and Rail Training Package qualification – UTT30301 Certificate III in ESI – Cable Jointing (Powerline);
 - (ii) UET06 ESI Transmission Distribution and Rail Training Package qualification – UET30406 Certificate III in ESI – Cable Jointing; or
 - (b) on 19 January 2009 –
 - (i) holds a certificate certifying that he or she is qualified to carry out cable jointing work, issued by a training provider registered with the Tasmanian Accreditation and Recognition Committee or an equivalent body in a reciprocating jurisdiction; and
 - (ii) satisfies the Administrator that he or she has been performing cable jointing work in the last 3 years and has maintained that knowledge and skill; or
 - (c) has held a provisional licence under clause 22 and who has –
 - (i) been issued with an Australian Recognised Trades Certificate as a cable jointer issued by Trades Recognition Australia recognising the applicant as a Cable Jointer; or
 - (ii) been issued with an Off-Shore Technical Skills Record Certificate, as a Cable Jointer, issued by an organisation approved by the Commonwealth – and satisfied any gap training requirements identified in the Off-Shore Technical Skills Record as a Cable Jointer –

and has satisfied the Administrator that he or she has performed cable jointing work competently, in Australia or New Zealand, across the range of cable jointing work, or has 12 months’ experience within Australia or New Zealand in the performance of cable jointing work; or
 - (d) holds an equivalent qualification approved by the Administrator.
- (3) In this clause “**equipment**” includes –
- (a) underground cables, associated hardware and equipment that generates, uses, conveys or controls (or that is intended to, or has been used to, generate, use, convey or control) electricity; and
 - (b) aboveground conductors associated with any such equipment.

22. Provisional Electrical Work Licence – Cable Jointer

- (1) A practitioner who holds a Provisional Electrical Work Licence – Cable Jointer may perform the electrical work referred to in clause 21 but only if –

- (a) he or she is supervised by the holder of an Electrical Work Licence – Cable Joiner; and
 - (b) he or she does not supervise any other person or sign any approved form relating to the recording or notification of the electrical work.
- (2) A Provisional Electrical Work Licence – Cable Joiner may be issued to a person who has been issued with –
- (a) an Australian Recognised Trades Certificate as a Cable Joiner issued by Trades Recognition Australia recognising the applicant as a Cable Joiner; or
 - (b) an Off-Shore Technical Skills Record Certificate as a Cable Joiner issued by an organisation approved by the Commonwealth –

or, in the opinion of the Administrator, has made substantial progress, before or after 19 January 2009, towards qualifying as a cable joiner as mentioned in clause 21 and is able to achieve that qualification within a period of 12 months after the granting of a Provisional Electrical Work Licence – Cable Joiner.

23. Electrical Work Licence – Linework

- (1) A practitioner who holds an Electrical Work Licence – Linework may carry out electrical work on the installation, repair, alteration or removal of electrical infrastructure lines and wires for the generation, transmission or distribution of electricity (including street lights, controlling lines and wires as well as supporting and protective structures relating to any such equipment, lines or wires) that consists solely of the following:
- (a) building, erecting, installing, stringing, augmenting, testing, energising, servicing, maintaining, fault finding, altering, removing, repairing or replacing –
 - (i) overhead electrical cabling/network systems, hardware, apparatus and equipment (excluding electricity consumption metering and cable jointing work); and
 - (ii) aboveground portion of underground cables associated with overhead network systems; or
 - (b) linework on an electrical installation, deemed by the Administrator to be equivalent to the work mentioned in paragraph (a).
- (2) An Electrical Work Licence – Lineworker may be issued to a person who –
- (a) holds one of the following qualifications –
 - (i) UTT98 ESI – Transmission Distribution and Rail Training Package qualification – UTT30101 Certificate III in ESI – Distribution (Powerline); or UTT30298 Certificate III in ESI – Transmission (Powerline);
 - (ii) UET06 ESI – Transmission Distribution and Rail Training Package qualification – UET30206 Certificate III in ESI – Distribution; or UET30106 Certificate III in ESI – Transmission; or
 - (b) has, on 19 January 2009 –
 - (i) held a certificate certifying that he or she is qualified to carry out linework, issued by a training provider registered with the Tasmanian Accreditation and Recognition Committee or an equivalent body in a reciprocating jurisdiction; and
 - (ii) satisfied the Administrator that he or she has been performing linework in the last 3 years and has maintained that knowledge and skill; or

- (c) has held a Provisional Licence – under clause 24 and who has been issued with –
- (i) an Australian Recognised Trades Certificate as a Lineworker issued by Trades Recognition Australia recognising the applicant as a Lineworker; or
 - (ii) an Off-Shore Technical Skills Record Certificate, as a Lineworker, issued by an organisation approved by the Commonwealth; and

has satisfied any gap training requirements identified in the Off-Shore Technical Skills Record as a Lineworker and has satisfied the Administrator that he or she has performed linework competently, in Australia or New Zealand, across the range of linework, or has 12 months' experience within Australia or New Zealand in the performance of linework; or

- (d) holds an equivalent qualification approved by the Administrator.

- (3) In this clause, “**electrical installation**” includes towers, poles, overhead conductors and underground cables, associated hardware or apparatus and equipment (excluding electricity consumption metering equipment) for the generation, transmission or distribution of electricity operating above extra low voltage.

24. Provisional Electrical Work Licence – Linework

- (1) A practitioner who holds a Provisional Electrical Work Licence – Linework may perform the electrical work referred to in clause 23 but only if –
- (a) he or she is supervised by the holder of an Electrical Work Licence – Linework; and
 - (b) he or she does not supervise any other person or sign any approved form relating to the recording or notification of the electrical work.
- (2) A person may be issued a Provisional Electrical Work Licence – Linework if he or she –
- (a) has been issued with an Australian Recognised Trades Certificate as a Lineworker issued by Trades Recognition Australia recognising the applicant as a Lineworker; or
 - (b) has been issued with an Off-Shore Technical Skills Record Certificate as a Lineworker issued by an organisation approved by the Commonwealth; or
 - (c) has made substantial progress, before or after 19 January 2009, towards qualifying as a Lineworker as mentioned in clause 23 and is able, in the opinion of the Administrator, to achieve that qualification within a period of 12 months after the granting of a Provisional Electrical Work Licence – Linework.

Kerrie Crowder

ADMINISTRATOR OF OCCUPATIONAL LICENSING

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