

electrical focus

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Amendment No. 4 to the WA Electrical Requirements

Amendment No. 4 to the "WA Electrical Requirements" was issued on 8 September 2005.

This amendment involves changes to the following sections:

1. Section 7.3 High Voltage Installations – Submission of Proposal

To clarify that an electrical engineer is required to certify a consumer's high voltage installation design, stating the regulatory requirements that must be met (ie. *Electricity (Licensing) Regulations 1991*), before a proposed design is submitted to a network operator.

2. Section 12.7 Classification of Zone 2 and 3 Areas in Locations Containing Baths and Showers as Defined in Section 7 of the Wiring Rules

Amendment No. 1 to the Wiring Rules issued by Standards Australia in September 2001 introduced an unreasonably restrictive requirement by increasing the minimum height of Zone 2 and Zone 3 areas containing baths and showers. The WA Electrical Requirements Amendment No. 2 published in July 2002 countered the Wiring Rules amendment until Standards Australia published Amendment No. 3 in July 2003 that has now incorporated the substance of the earlier WA Electrical Requirements Amendment No. 2. Subsequently all of Section 12.7 of the WA Electrical Requirements is now deleted.

3. Section 13.8.6 Service and Metering Equipment

Western Power Corporation has updated its Service and Metering Equipment Requirements and accordingly the entire section 13.8.6 is deleted and replaced.

The following information is enclosed with this edition of the Electrical Focus that has been mailed to electrical contractors and electrical inspectors:

- A single page "Instructions to Incorporate Amendment No.4"
- A replacement set of "Table of Contents" and "Table of Figures" pages (i) to (x)
- A replacement set of pages 69 to 83, incorporating the amended Section 13.8.6

Electrical contractors and others who hold a copy of the WA Electrical Requirements should amend their copy of the manual so that it is up-to-date.

The updated version of the WA Electrical Requirements, Amendment No. 4 and the Record of Amendments are also available on EnergySafety's website page http://www.energysafety.wa.gov.au/energysafety/resources/publications/pages/WA_Electrical_Requir.html. The information may be downloaded, free of charge, from the website page.

EnergySafety





Functional switch required for induction cooking appliances

EnergySafety staff recently received an enquiry about the need for a functional switch in the circuit of a fixed wired domestic induction cook top (hot plate). The argument presented was that a functional switch should not be necessary because induction cook tops do not have a hot exposed element.

The requirement to fit a functional switch [Clause 4.3.11 of AS/NZS 3000:2000] arose out of a need to quickly, readily and safely isolate the heating source from overheated pots and pans, thereby reducing the possibility of the contents catching on fire.

Induction cook tops present the same safety risks associated with overheated pots and pans as other cooking heat sources. Induction cook tops are therefore treated the same as conventional electric cook tops and require a functional switch.

Changes to approval procedures for installation of generation equipment

EnergySafety has recently received enquiries concerning the approval process for the installation of large generation equipment.

Previously, the approval process involved consideration by the Coordinator of Energy (per Section 7 of the *Electricity Act 1945*) if the intention was for the generated electricity to be exported under commercial arrangement to other parties.

The State Government is currently implementing various electricity supply industry reforms through the passing of the *Electricity Industry Act 2004* and the *Electricity Legislation Amendment Act 2004*

The latter Act made a number of changes to the existing *Electricity Act 1945*, including repealing Section 7, to reflect the new licensing regime applicable to the electricity supply industry.

The new licensing regime is based upon the *Electricity Industry Act 2004* and since 1 January 2005, has been administered by the Economic Regulation Authority. In terms of generation licence requirements, the *Electricity Industry Act 2004* details the mandated requirements (refer Part 2 – Licensing of electricity supply).

As a result of the above amendments to the *Electricity Act 1945*, some related changes to Part VIII “Supply of electricity to consumers” of the *Electricity Regulations 1947* have been formulated by EnergySafety.

EnergySafety is currently consulting with supply authorities and network operators on the proposed changes to Part VIII. Note that the proposed changes have no effect on other elements of the electrical industry.

For further information on generation licensing, please contact the Economic Regulation Authority by telephoning (08) 9213 1900. The ERA’s website is at www.era.wa.gov.au/electricity.

Prosecutions for breaches of Legislation 1 July 2005 to 30 September 2005

<i>Name (and suburb of residence at time of offence)</i>	<i>Licence No.</i>	<i>Legislation</i>	<i>Offence</i>	<i>Fine (\$)</i>	<i>Court Costs (\$)</i>
Rodney Brian McMillan (Padbury)	NA	E(L)R Regulation 19(1)	Carried out electrical work without holding an electrical workers licence	2,000.00	360.70
Coltland Investments T/As CBD Cabling Services (Cannington)	EC 006154	E(L)R Regulation 33(1) (5 breaches)	Carried on business as an electrical contractor without a licence	2,000.00	No costs awarded
James Bastow (Dawesville)	EW 130432	E(L)R Regulation 49(1)	Carried out substandard electrical work	750.00	388.45
Dean Bradshaw (Singleton)	EW 128948	E(L)R Regulation 49(1)	Carried out substandard electrical work	750.00	498.45*
Phillip Chance (Palmyra)	EW 103928	E(L)R Regulation 49(1)	Carried out substandard electrical work	300.00	288.45
Peter Loveless (Newman)	EW 102686	E(L)R Regulation 49(1)	Carried out substandard electrical work	800.00	500.00
Francis Marsh (South Hedland)	EW 102764	E(L)R Regulation 49(1) (2 breaches)	Carried out substandard electrical work	1,000.00	400.70
William Murray (Coogee)	EW 114176	E(L)R Regulation 49(1) (2 breaches)	Carried out substandard electrical work	600.00	300.00
Paul Sanzone (Balcatta)	EW 132196	E(L)R Regulation 49(1)	Carried out substandard electrical work	2,000.00	325.70
Giovanni Gregorio (Dianella)	EW 103002	E(L)R Regulation 50A	Permitted unsafe wiring or equipment to be connected to an electrical installation	2,000.00	400.70
Coltland Investments T/As CBD Cabling Services (Cannington)	EC 006154	E(L)R Regulation 51(1) (3 breaches)	Failed to submit a Preliminary Notice to the relevant supply authority within the required timeframe	1,050.00	No costs awarded
Coltland Investments T/As CBD Cabling Services (Cannington)	EC 006154	E(L)R Regulation 52(1) (3 breaches)	Failed to submit a Notice of Completion for completed electrical work	1,050.00	No costs awarded

Prosecutions for breaches of Legislation 1 July 2005 to 30 September 2005

<i>Name (and suburb of residence at time of offence)</i>	<i>Licence No.</i>	<i>Legislation</i>	<i>Offence</i>	<i>Fine (\$)</i>	<i>Court Costs (\$)</i>
Bradshaws Security and Electrical (Singleton)	EC 006316	E(L)R Regulation 52(3)	Submitted a Notice of Completion to the relevant supply authority when the electrical installing work was not complete	250.00	*
Contract Electrical (Welshpool)	EC 003021	E(L)R Regulation 52(3)	Submitted a Notice of Completion to the relevant supply authority when the electrical installing work was not complete	3,000.00	368.00
Coltland Investments T/As CBD Cabling Services (Cannington)	EC 006154	E(L)R Regulation 54(1)(b) (5 breaches)	A Notice of Completion was sent in respect of the electrical installing work, which was signed by a person other than the electrical contractor and/or the nominated electrical worker	2,500.00	No costs awarded
Western Power T/As Western Power Corporation (Place of Offence: Mosman Park)	NA	ER 242 Regulation (1)(a)	The supply authority did not maintain the service apparatus in a safe condition	15,000.00	410.70

Legend:

NA Not applicable (no licence held)
 E(L)R Electricity (Licensing) Regulations 1991
 ER Electricity Regulations 1947

* Global costs (more than one offence)

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