

Electricity Industry Bulletin No: 68 March 2008

FOR THE ATTENTION OF ALL ELECTRICAL WORKERS

1. ELECTRICAL CONTRACTOR AUDITS

Seven audits have been completed in southern Tasmania for this fiscal year. Audits are still to be undertaken in the north/northeast and the west/northwest.

In general Contractors are meeting their obligations under the *Electricity Industry Safety and Administration Act*, however, despite numerous articles in previous bulletins about the impending Occupational Licensing Act (OLA); awareness of this legislation was in general terms poor. Some businesses do however strive to achieve compliance and should be commended for doing so; we encourage all contractors to follow their example.

At a recent audit, Electricity Standards and Safety staff were shown around the new Hobart showroom of Lorkin Roberts Pty Ltd.



Pictured from Left; Jenny Cashin (ESS), Wayne Lorkin and Murray Roberts (Lorkin Roberts Pty Ltd) and Warren Crichton (ESS).

2. PROMOTING ELECTRICAL INFRASTRUCTURE SAFETY

Kerry Whitehead has been appointed as Electrical Inspector with the Electricity Standards and Safety team and will be working out of the Workplace Standards Henty House office in Launceston. His appointment is to enhance Electrical Infrastructure Safety, he reports to John Britten, the Senior Infrastructure Safety Compliance Officer.

Kerry's main role is to assist businesses with compliance in the electrical infrastructure arena. In addition to this Kerry will also assist with the auditing of contractors and electrical retailers. Kerry's extensive practical knowledge and experience in both the electrical and workplace environments will greatly assist him in this role.

3. MANUFACTURERS INSTRUCTIONS

An issue recently reported to Electricity Standards *and* Safety has highlighted the need for electricians to ensure that on completion of electrical work customers are provided with all the manufacturers instructions supplied with electrical equipment.

These instructions are provided to enable the customers to safely use the electrical equipment in the manner intended by the manufacturer. If in the case of a spec built home, where the customer may not be present at the time of completion then please ensure the manufacturers instructions together with warranty cards are left in an accessible place, such as a kitchen drawer.

Recently, a customer's 230 volt smoke detector began beeping. The customer was not familiar with this noise as the smoke detector had not done this since installation five years previous.

Contact was made with the electrical contractor who undertook the electrical installation; and the customer was informed that the beeping indicated a low battery (backup 9V).

The contractor gave instructions over the phone to the customer on how to replace the battery; however, the customer was confused due to the contractor providing instructions for another model. The customer used a screwdriver to remove the cover and in doing so, was exposed to live parts and the risk of electric shock.

If the written manufacturers instructions had been available, the customer is of the opinion that the task of replacing the battery would have been undertaken without risk of electric shock.

It is also important that electricians follow manufacturers instructions for the installation of electrical equipment. On a number of occasions where the cause of fires associated with electrical equipment has been investigated, it has been identified that the electrician has not followed manufacturers installation instructions.

4. NEW LICENCE HOLDERS

Electricity Standards *and* Safety have recently licensed the following people to work as electricians in Tasmania.



Two thirds of these electricians are recently graduated apprentices, we extend to them our congratulations.

Licence Number	Name
A7439	Christopher John Panayi
A7440	Robert McCubbin
A7441	Nicholas Timothy Cord-Udy
A7442	Justin Roderick Wilson

Licence Number

Name

A7443	Steven Matthew Wilkinson
A7444	Steven Anthony Driver
A7445	David Allan Dewar
A7446	Nathan Dean Fleet
A7447	Thomas William Cull
A7448	Adam Nathan Woods
A7449	Christopher Murray Brickwood
A7450	Aaron Leigh Graham
A7451	Matthew James Phelan
A7452	Nick Patrick Ackerley
A7453	David Durham Cummack
A7454	Malcolm Thomas Rooley
A7455	Cole Triffitt
A7456	Huon Joseph Witt
A7457	Joshua Hall
A7458	Dylan Twine
A7459	Alex Shadbolt
A7460	Ronald Frank Hurst
A7461	Brendan Shane Dare
A7462	Simon Michael Jones
A7463	Christopher John Clark
A7464	Richard Smith
A7465	Martyn Ross Stafford
A7466	Adrian Gurnhill Dixon
A7467	Shane Jeffrey Dodman
A7468	Timothy Carl Ebdon
A7469	Damion Paul Hicks
A7470	Jon Peter Murray
A7471	Sean Riley
A7472	Dale Peter Wild
A7473	Daniel Allan Gutsell
A7474	Christopher Matthew Conlan
A7475	Kane Geoffrey Sanders
A7476	Christian Lee Chandler
A7477	Hendrikus Antonius Eekelschot
A7478	Matthew Stephen Sullivan
A7479	Joel Charles Martyn
A7480	Alexander Robert Nixon
A7481	Steven Alexander Grant
A7482	James Edward Rand
A7483	Shane Mason
A7484	Samuel George Thomas
A7485	Ricky Wayne Alomes
A7486	Jason Alexander Huizing
A7487	Patrick John Kelly
A7488	Aaron James O'Malley
A7489	Dragoljub Gacesa
A7490	Johnathon Leigh Downie
A7491	Craig Maurice Baty
A7492	Alisdair McDermid Robertson
A7493	Dave Coll Caldar

5. TRAINING UPDATE

Please ensure your apprentice/s receive a copy of this Bulletin.

Electrotechnology Training Package endorsement

The 2007 revision of the Electrotechnology Training Package developed by EE-OZ Training Standards has been approved by Ministerial Delegates and the Department of Education, Science and Training (DEST). The package known as UEE07 will be progressively introduced over 2008 by TAFE Tasmania for both the electrician's and electrical contractor's courses. The typical electrical apprenticeship is now titled Certificate III in Electrotechnology – Electrician (course code UEE30807) and all new apprentices enrolled this year will undertake this qualification.

Electrical Systems Safety (Capstone Assessment)

This assessment has been a component of the electrician's trade qualification for many years now, however; there is still confusion about its purpose. In 2001 The Electrical Regulatory Authorities Council (ERAC) approved requirements for 66 Essential Capabilities to be included in the electrician's qualification required for licensing. ERAC also required that 32 critical aspects of the above 66 must be assessed in a final assessment, at or near the end of the contract of training. This assessment became known as the 'Capstone Assessment'. Many apprentices will be completing modules, including this assessment, over the next two years, under the old qualification (Certificate III in Electrotechnology – Systems electrician (UTE 31199)). This form of assessment will continue as part of the UEE30807 course. Both apprentices and employers need to be aware that this assessment alone does not deem a student competent across the full qualification or entitle them to a licence.

TAFE Tasmania will only issue a Certificate of Competence for the above qualifications when a student has successfully completed all the on and off-the-job components of the course.

Because the Capstone assessment (electrical systems safety) is a validation of portions of the on and off-the-job components

of the course, all profiling must be up to date and sufficiently into the advisory target ranges before students will be eligible to sit the Capstone.

Please note that passing the Capstone Assessment does not make a person an electrician as this assessment alone does not determine competence.

Also note that nominally four years on-the-job experience relevant to the course is required (incorporating a minimum of 12 months practical application of AS/NZS 3000) for an electrician's licence.

For detailed information about the above qualifications or the capstone assessment refer to the EE-Oz website <http://www.ee-oz.com.au>

For any information regarding the training required for an electrical licence, contact Warren Crichton on 6233 7718 or warren.crichton@justice.tas.gov.au

6. CONNECTION OF ELECTRIC RANGE AND COOKING HOBBS

Some manufacturers provide a flexible cord with electrical ranges and cooking hobs, for the termination to the fixed wiring. In some cases it has been the practice of electricians to remove this supply cord and terminate the installation stove circuit directly into the appliance.

This practice is to be avoided because the flexible supply cord forms part of the appliance when the appliance is tested and examined to the relevant electrical safety standard for the issuing of an 'Approval Certificate'. The insulation of the flexible supply cord is better suited to the temperature rise that can be expected at the terminal block than would the insulation of the fixed wiring.

It has been proposed that an amendment be made to the relevant electrical safety standard for the flexible supply cord to be terminated at the terminal block in a manner so it cannot be removed.



AGFEST

7, 8, 9 MAY 2008

**Electricity Standards and Safety will be at Agfest!!
In the Workplace Standards Tasmania tent.
301 Third Avenue**



7. WIRING RULES SEMINARS

SAI Global are conducting half day seminars across Australia which will provide an overview of AS/NZS 3000:2007, with a particular focus on the major changes and technical issues. These seminars provide an opportunity for you to meet with several members of the Wiring Rules Committee EL 001, ask questions and provide feedback.

Included in this mailout is a registration form for you to attend one of the Tasmanian seminars, being held in both Hobart and Launceston during June. If you require additional brochures please phone 6233 7851 and we will post them out to you.

8. PRIVATE POWER POLE INSPECTION SERVICES

In the previous bulletin (Issue 67, December 2007) an article regarding 'Private Power Poles and Safety' advised that 'Currently there are no known competent power pole testing contractors that operate within Tasmania'. This statement is incorrect.

Electricity Standards *and* Safety has since been advised that a private pole testing and inspection contracting company operates out of Swansea, offering a national service.



Important information—copies of this recall can be obtained from the web address below

19/11/2007 Airflow Bathroom Heater Exhaust Fan & Light Combination

Following concerns raised by electrical regulators who had investigated a number of fires involving the Airflow brand 3 in 1 bathroom heaters, a further electrical safety recall notice was published on the 19 November 2007. Electricity Standards *and* Safety would like all contractors to obtain a copy of the recall notice to help identify listed models and enable them to assist their customers.

Other recalls:

3/12/2007	Electrolux, Electrolux Dishlex and Westinghouse Dishwashers
11/12/2007	AEG Dishwashers
12/12/2007	Bromic Commercial Display Refrigerators
12/12/2007	AWA 51cm Slim Pure Flat Colour Television
28/12/2007	DeWALT Individual Cordless Drills
7/1/2008	Netgear XE103 85Mbps Powerline Ethernet Adaptor
9/1/2008	Australian Women's Weekly Stovetop Chip Fryer
14/01/2008	Turbo Dust Interceptor
16/01/2008	Hair Straightening Irons
16/1/2008	Eaton Power 3105 and 5110 UPS System

For further recalls and precise product information, defect details and consumer action, visit the Product Recalls Australia website at www.recalls.gov.au



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