

Statutory Obligations Electrical Practitioners & Electrical Contractors

CPD One Day Event
Derwent Entertainment Centre
31 October 2018



CBOS
Consumer, Building &
Occupational Services
Promoting a fair marketplace

Department of Justice





Presentation Structure:

- About Electricity Standards and Safety
- Recording electrical work
- Notifying electrical work
- Defective electrical work

Electricity Standards and Safety (ESS) regulates:

- the safe performance of electrical work,
- electrical product standards and
- the safe use of electricity within the Tasmanian community.



Electricity Standards and Safety (ESS) functions:

- Engagement with industry stakeholders
- Promotes Continuing Professional Development
- Provides information and advice
- Audit, investigation and enforcement



Electricity Standards and Safety (ESS) limitations:

WHS matters – WorkSafe Tasmania

Cabling Work – Aust. Comms & Media Authority

Clean Energy Regulator accreditation

Consumer Affairs and Fair Trading matters

Compensation and contractual disputes



Electricity Standards and Safety

Henry Hodgson

Manager, Electricity Standards and Safety (Chief Electrical Inspector)

- **Darren Latta**
Electrical Safety Officer - Product Safety
- **Erik Peacock**
Senior Compliance Officer - Private Poles and Infrastructure
- **Regulus Fogagnolo**
Electrical Safety Officer - Statutory Compliance

Electricity Standards and Safety (ESS) Contacts:

- Ph: **1300 654 499**
- Email: **CBOSinfo@justice.tas.gov.au**
- Mention the name of the person you wish to contact or the area of interest.

Electrical Safety Inspection Service:

- TechSafe Australia provides the Electrical Safety Inspection Service and reports to ESS.
- TechSafe officers inspect new and existing electrical installations for compliance and safety.
- TechSafe also investigate Fires and reports of Electric Shock.

Electricity Standards and Safety (ESS) administers:

- *Occupational Licensing Act 2005*
- *Occupational Licensing (Electrical Work) Regulations 2008*
- Australian Standards, eg AS/NZS 3000
- Codes of Practice & Determinations



Powers of Authorised Officers:

- Entry into premises
- Require records to be produced
- Search for records
- Require answers to questions relating to prescribed work



Duties of Owners and Occupiers

The person authorising prescribed work,
must ensure that any person engaged to carry out
that prescribed work,
holds the required licence.



False Representation

A person must not
hold himself, herself or any other person out as
a practitioner, building services provider or a
contractor, or as a nominated manager or
authorised officer,
when that is not the case.

What is electrical work?

- electrical circuit - installation, repair, alteration or removal of associated fittings, equipment or accessories
- work on an electrical installation
- electrical infrastructure; installation, repair, alteration or removal of including lines and wires generation electricity

What is electrical work?

- Work on a battery, or other electricity storage system, that is:
 - installed for the purpose of supplying electricity to an electrical installation, either
 - stationary or fixed in position.
- or work on associated fittings, equipment, or accessories

What is not electrical work?

- work performed under an electrical safety management scheme
- low voltage electrical work on telecommunications equipment
- extra low voltage electrical work eg. Portable electronic device, vehicle, vessel or train

What is not electrical work?

- Connection of an electrical article by inserting plug into a socket outlet
- repair of electrical articles with a plug and cord operating at less than 250V
- attaching a plug or socket to an extension cord rated at less than 250V
- electrical work performed on an aircraft.

Recording electrical work

- The Electrical Contractor must provide a record of their electrical work to the customer.
- This must contain full details of the customer, contractor, sub contractor, nominated manager, persons who assisted in undertaking the work and
the person who certifies the work as compliant.

Recording electrical work cont'd

- The person responsible for electrical work must keep a record of that electrical work for at least 10 years.
- Invoices and receipts with sufficient detail may satisfy recording requirements.

Notification of electrical work cont'd

- The approved form is the Certificate of Electrical Compliance (CEC).
- Required to be completed within three days of energisation.
- Forms a record of electrical work, must be retained for at least 10 years.

The CEC

- Blue - TechSafe
- White – Customer
- Green – Book

Tasmanian Government		Certificate of Electrical Compliance		CEC No: 1166026	
<input type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Client Name		Date Rec'd			
Site of Work					
Address		Closest Aurora Pole Number			
Suburb		Meter No. (if available)			
Access Requirements, e.g. customer phone number					
Electrical Work					
<input type="checkbox"/> Residential <input type="checkbox"/> Temporary Supply <input type="checkbox"/> Stratum Development <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Moveable Premises <input type="checkbox"/> Faults Rectified relating to - NDI or DEI No.		<input type="checkbox"/> Alterations/Additions <input type="checkbox"/> New Installation <input type="checkbox"/> New Mains <input type="checkbox"/> Repairs General <input type="checkbox"/> Repairs Fire/Shock		<input type="checkbox"/> 6 month check <input type="checkbox"/> Overhead Conductors/Supports <input type="checkbox"/> Underground reticulation <input type="checkbox"/> Hazardous Area <input type="checkbox"/> High Voltage <input type="checkbox"/> Additional Information attached	
Specialised Electrical Work (Attach additional information, see back of front cover)					
Alternative Supplies/systems		Rated Output kw		Tick type of system	
(Tick one) <input type="checkbox"/> Embedded (connected to grid)		<input type="checkbox"/> Stand Alone System		<input type="checkbox"/> Solar <input type="checkbox"/> Wind <input type="checkbox"/> Mini Hydro <input type="checkbox"/> Fuel	
Consumer Mains Size and Rating (New & Existing)					
Length (metres)	Size (mm ²)	Maximum Demand per phase			Test Results
		Phase A	Phase B	Phase C	Overload Protection Rating (amps)
					Insulation Resistance (MΩ)
					Main Earth Continuity (Ω)
Electrical Work Undertaken					
	Qty	Total Load	Location/s (if not obvious to the inspector)		
Socket outlets		Not Req'd			
Lights		Not Req'd			
Electrical Cooking Appliance/s					
Motor/s					
Electric Heating					
Heat Pump/Air conditioner/s					
Hot Water System/s					
Other					
Overhead Conductors / supports					
Underground Reticulation					
Test Results					
Sheathed Heating Elements		Insulation Resistance (MΩ)		Earth Impedance (Ω)	
All other Circuits (overhead, underground reticulation, sub mains & final sub circuits)				Date Tested	
Additional Information (useful for inspector or about installation)					
Certification of Electrical Compliance					
I certify the electrical work, set out above, for which I take personal responsibility for ensuring compliance: • has been completed, inspected, and tested; in accordance with the relevant Australian Standards; • test results (in respect of this work) are true and correct; • complies with the Occupational Licensing Act 2005, including all appropriate standards of electrical work; and • is safe and fit for purpose.					
Electrical Practitioner Licence No.		Electrical Practitioner Name			
Electrical Practitioner Signature		Date signed			
Contractor Endorsement					
I (print name) am the nominated manager or duly appointed signatory of the contractor, declare that the electrical work set out on this form was undertaken for or on behalf of the electrical contractor, which accepts its obligations under the Occupational Licensing Act 2005 in respect to the electrical work.					
Signature		Date			
Electrical Contractor's Business Name		Electrical Contractor's Licence No.			
The Contractor's point of contact for this electrical work		Name		Phone	

The CEC – Access Requirements

Please provide customer contact details where possible.

Site of Work

Address

Closest Aurora Pole Number

Suburb

Meter No. (if available)

Access Requirements, e.g. customer phone number.....

The CEC – Practitioner Section

Certification of Electrical Compliance

I certify the electrical work; set out above, for which I take personal responsibility for ensuring compliance:

- has been completed, inspected, and tested; in accordance with the relevant Australian Standards;
- test results (in respect of this work) are true and correct;
- complies with the *Occupational Licensing Act 2005*, including all appropriate standards of electrical work: and
- is safe and fit for purpose.

Electrical Practitioner Licence No. Electrical Practitioner Name

Electrical Practitioner Signature Date signed

The CEC – Additional information section

What information would help in the future?

Additional Information *(useful for inspector or about installation)*

What is Notifiable electrical work?

- i. A new electrical installation
- ii. A new generation system
- iii. A new electrical storage system
- iv. A new or replaced consumer main or sub main

What is Notifiable electrical work?

- v. A new or replaced switchboard/enclosure
- vi. A new electrical circuit
- vii. A new electrical appliance connected by fixed wiring and new to that electrical installation (excluding like for like replacements)

What is Notifiable electrical work?

- viii. Generation system - An addition or replacement to an existing or component, which increases capacity
- ix. The relocation of an existing generation system
- x. Storage system - An addition to a which increases capacity

What is Notifiable electrical work?

- xi. A change of battery chemical type or technology
- xii. All hazardous area electrical work, excluding like for like replacements
- xiii. High voltage electrical work excluding like for like replacements

What is Notifiable electrical work?

- xiv. All electrical work performed to rectify a defective or unsafe situation. Listed on:
- A Defective Electrical Work Notice
 - An Unsafe Electrical Infrastructure or Installation Notice

Caravans & Transportable Structures

- An Electrical Compliance sticker is required for registration purposes.
- Contact CBOS and provide a CEC for the work.

CBOSinfo@justice.tas.gov.au

- A sticker will be posted to you via mail.
- Fill in the sticker and affix inside the caravan or structure

Defects

Where work is inspected and found defective, a Notice of Defective Electrical Work is issued and fees are applied.

Defective Electrical Work Fees 2018-19				
Initial inspection	nil			
First notice - 21 days		\$47.40		
Second notice - 14 days			\$189.60	
Third notice - 7 days				\$189.60
Total:	nil	\$47.40	\$237.00	\$426.60

Defective work

A Notice of Defective Electrical Work requires the contractor to rectify the defects identified.

The contractor cannot seek to recover costs for rectifying that work from the customer.

Work on 3rd notice is referred to ESS for further investigation.

Severely defective electrical work

- is defective electrical work
- which has been energised or is capable of being energised,
- that presents an immediate risk of electric shock, fire or explosion.

Updating your license details:

1.) Go to www.cbos.tas.gov.au

2.)



[Licensing and registration](#)

3.)

Access My Licence account

Change your contact details; replace a licence card; add a nominated manager or Director; print a licence certificate

Questions?



Tasmanian
Government

cbosinfo@justice.tas.gov.au

www.cbos.tas.gov.au

Codes of Practice

The Administrator may establish Codes of Practice.

The *Occupational Licensing (Standards of Electrical Work) Code of Practice 2017* incorporates **AS 2067, AS/NZS 3000** and **AS/NZS 7000**; and any additional obligations imposed by those standards.