

Authorised Version No. 001
**Electricity Safety (Bushfire Mitigation
Duties) Regulations 2017**

S.R. No. 85/2017

Authorised Version as at
1 September 2017

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**Electricity Safety (Bushfire Mitigation
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S.R. No. 85/2017

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1 Objective

The objective of these Regulations is to prescribe certain matters for the purposes of the bushfire mitigation duties owed by major electricity companies under Part 10A of the **Electricity Safety Act 1998**.

2 Authorising provision

These Regulations are made under section 157 of the **Electricity Safety Act 1998**.

3 Commencement

These Regulations come into operation on 1 September 2017.

4 Definitions

In these Regulations—

Central Plan Office means the Central Plan Office of the Department of Environment, Land, Water and Planning;

high impedance faults means a resistance value in ohms that is equal to twice the nominal phase-to-ground network voltage in volts;

I^2t means a measure of the thermal energy associated with the current flow, where **I** is the current flow in amps and **t** is the duration of current flow in seconds;

low impedance faults means a resistance value in ohms that is equal to the nominal phase-to-ground network voltage in volts divided by 31.75;

the Act means the **Electricity Safety Act 1998**.

5 Zone substations and allocated substation points

- (1) For the purposes of the definition of *zone substation* in section 120K of the Act, a substation is prescribed if it is specified in Schedule 1.
- (2) For the purposes of the definition of *allocated substation points* in section 120K of the Act, the points that are prescribed in respect of a zone substation are the points set out in Column 6 of the Table in Schedule 1 that correspond to that substation.

6 Electric line construction area

For the purposes of the definition of *electric line construction area* in section 120K of the Act, a prescribed plan is a plan lodged in the Central Plan Office that is specified in Schedule 2.

7 Required capacity

For the purposes of the definition of *required capacity* in section 120K of the Act, the prescribed capacity is the ability—

- (a) to reduce the voltage on the faulted conductor in relation to the station earth when measured at the corresponding zone substation for high impedance faults to 250 volts within 2 seconds; and
- (b) to reduce the voltage on the faulted conductor in relation to the station earth when measured at the corresponding zone substation for low impedance faults to—
 - (i) 1900 volts within 85 milliseconds; and

- (ii) 750 volts within 500 milliseconds; and
- (iii) 250 volts within 2 seconds; and
- (c) during diagnostic tests for high impedance faults, to limit—
 - (i) fault current to 0.5 amps or less; and
 - (ii) the thermal energy on the electric line to a maximum I^2t value of 0.10.

8 Prescribed specification for covering or placing underground electric lines

For the purposes of sections 120N and 120P of the Act, the prescribed specification for an electric line is that it has a nominal voltage of between 1 kV and 22 kV inclusive.

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Schedule 1—Zone substations

Schedule 1—Zone substations

Regulation 5

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Name</i>	<i>Column 3</i> <i>Code</i>	<i>Column 4</i> <i>Latitude</i>	<i>Column 5</i> <i>Longitude</i>	<i>Column 6</i> <i>Points</i>
1	Winchelsea	WIN	-38.23644	144.00102	5
2	Colac	CLC	-38.34092	143.60619	5
3	Eaglehawk	EHK	-36.71772	144.25089	5
4	Woori Yallock	WYK	-37.77634	145.52933	5
5	Maryborough	MRO	-37.04909	143.73727	5
6	Seymour	SMR	-37.02548	145.14068	5
7	Ballarat South	BAS	-37.59450	143.79908	5
8	Bendigo TS	BET	-36.78289	144.25296	5
9	Wangaratta	WN	-36.35744	146.31022	5
10	Castlemaine	CMN	-37.07182	144.20637	4
11	Camperdown	CDN	-38.22599	143.15655	4
12	Woodend	WND	-37.33385	144.51729	4
13	Kinglake	KLK	-37.51440	145.31615	4
14	Rubicon A	ALA, MVE	-37.29287	145.81850	4
15	Bairnsdale	BDL	-37.82537	147.61261	4
16	Geelong	GL	-38.13477	144.33741	4
17	Ballarat	BAN	-37.50088	143.85096	4
18	Waurin Ponds	WPD	-38.21082	144.30380	4
19	Lilydale	LDL	-37.76339	145.35840	3
20	Wodonga and Tallangatta	WOTS	-36.15439	146.94682	3
21	Myrtleford	MYT	-36.55745	146.72525	3
22	Barnawartha	BWA	-36.10556	146.67345	3

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Schedule 1—Zone substations

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Name</i>	<i>Column 3</i> <i>Code</i>	<i>Column 4</i> <i>Latitude</i>	<i>Column 5</i> <i>Longitude</i>	<i>Column 6</i> <i>Points</i>
23	Kilmore South	KMS	-37.31798	144.97174	3
24	Kalkallo	KLO	-37.53833	144.94140	3
25	Gisborne	GSB	-37.45352	144.57625	3
26	Belgrave	BGE	-37.93056	145.36096	3
27	Moe	MOE	-38.18424	146.25908	3
28	Mansfield	MSD	-37.05458	146.08802	2
29	Ferntree Gully	FGY	-37.89304	145.29167	2
30	Eltham	ELM	-37.71675	145.13881	2
31	Ringwood North	RWN	-37.79260	145.23449	2
32	Charlton	CTN	-36.26562	143.35478	2
33	Benalla	BN	-36.55160	145.98000	2
34	Koroit	KRT	-38.31541	142.43245	2
35	Hamilton	HTN	-37.73876	142.02283	2
36	Terang	TRG	-38.23860	142.91531	2
37	Merbein	MBN	-34.16805	142.05807	1
38	Stawell	STL	-37.05833	142.77839	1
39	Bendigo	BGO	-36.76102	144.27897	1
40	Ararat	ART	-37.28308	142.93030	1
41	Coolaroo	COO	-37.64207	144.93391	1
42	Corio	CRO	-38.07445	144.35898	1
43	Lang Lang	LLG	-38.26605	145.56266	1
44	Wonthaggi	WGI	-38.60885	145.58860	1
45	Sale	SLE	-38.10364	147.06972	1

Electricity Safety (Bushfire Mitigation Duties) Regulations 2017
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Schedule 2—Electric line construction areas

Schedule 2—Electric line construction areas

Regulation 6

<i>Column 1</i>	<i>Column 2</i>
<i>Item</i>	<i>Number of plan lodged in the Central Plan Office</i>
1	LEGL./16-199
2	LEGL./16-200
3	LEGL./16-201
4	LEGL./16-202
5	LEGL./16-203
6	LEGL./16-204
7	LEGL./16-205
8	LEGL./16-206
9	LEGL./16-207
10	LEGL./16-208
11	LEGL./16-209
12	LEGL./16-210
13	LEGL./16-211
14	LEGL./16-212
15	LEGL./16-213
16	LEGL./16-214
17	LEGL./16-215
18	LEGL./16-216
19	LEGL./16-217
20	LEGL./16-218
21	LEGL./16-219
22	LEGL./16-220
23	LEGL./16-221
24	LEGL./16-222
25	LEGL./16-223
26	LEGL./16-224

Electricity Safety (Bushfire Mitigation Duties) Regulations 2017
S.R. No. 85/2017
Schedule 2—Electric line construction areas

<i>Column 1</i>	<i>Column 2</i>
<i>Item</i>	<i>Number of plan lodged in the Central Plan Office</i>
27	LEGL./16-225
28	LEGL./16-226
29	LEGL./16-227
30	LEGL./16-228
31	LEGL./16-229
32	LEGL./16-230
33	LEGL./16-231

Endnotes

1 General information

See www.legislation.vic.gov.au for Victorian Bills, Acts and current authorised versions of legislation and up-to-date legislative information.

The Electricity Safety (Bushfire Mitigation Duties) Regulations 2017, S.R. No. 85/2017 were made on 22 August 2017 by the Governor in Council under section 157 of the **Electricity Safety Act 1998**, No. 25/1998 and came into operation on 1 September 2017: regulation 3.

The Electricity Safety (Bushfire Mitigation Duties) Regulations 2017 will sunset 10 years after the day of making on 22 August 2027 (see section 5 of the **Subordinate Legislation Act 1994**).

INTERPRETATION OF LEGISLATION ACT 1984 (ILA)

Style changes

Section 54A of the ILA authorises the making of the style changes set out in Schedule 1 to that Act.

References to ILA s. 39B

Sidenotes which cite ILA s. 39B refer to section 39B of the ILA which provides that where an undivided regulation, rule or clause of a Schedule is amended by the insertion of one or more subregulations, subrules or subclauses the original regulation, rule or clause becomes subregulation, subrule or subclause (1) and is amended by the insertion of the expression "(1)" at the beginning of the original regulation, rule or clause.

Interpretation

As from 1 January 2001, amendments to section 36 of the ILA have the following effects:

- **Headings**

All headings included in a Statutory Rule which is made on or after 1 January 2001 form part of that Statutory Rule. Any heading inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, forms part of that Statutory Rule. This includes headings to Parts, Divisions or Subdivisions in a Schedule; Orders; Parts into which an Order is divided; clauses; regulations; rules; items; tables; columns; examples; diagrams; notes or forms.

See section 36(1A)(2A)(2B).

- **Examples, diagrams or notes**

All examples, diagrams or notes included in a Statutory Rule which is made on or after 1 January 2001 form part of that Statutory Rule. Any examples, diagrams or notes inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, form part of that Statutory Rule. See section 36(3A).

- **Punctuation**

All punctuation included in a Statutory Rule which is made on or after 1 January 2001 forms part of that Statutory Rule. Any punctuation inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, forms part of that Statutory Rule. See section 36(3B).

- **Provision numbers**

All provision numbers included in a Statutory Rule form part of that Statutory Rule, whether inserted in the Statutory Rule before, on or after 1 January 2001. Provision numbers include regulation numbers, rule numbers, subregulation numbers, subrule numbers, paragraphs and subparagraphs. See section 36(3C).

- **Location of "legislative items"**

A "legislative item" is a penalty, an example or a note. As from 13 October 2004, a legislative item relating to a provision of a Statutory Rule is taken to be at the foot of that provision even if it is preceded or followed by another legislative item that relates to that provision. For example, if a penalty at the foot of a provision is followed by a note, both of these legislative items will be regarded as being at the foot of that provision. See section 36B.

- **Other material**

Any explanatory memorandum, table of provisions, endnotes, index and other material printed after the Endnotes does not form part of a Statutory Rule. See section 36(3)(3D)(3E).

2 Table of Amendments

There are no amendments made to the Electricity Safety (Bushfire Mitigation Duties) Regulations 2017 by statutory rules, subordinate instruments and Acts.

3 Amendments Not in Operation

There are no amendments which were Not in Operation at the date of this publication.

4 Explanatory details

No entries at date of publication.