

VICTORIAN

Electricity

Distributors

SERVICE & INSTALLATION RULES



MANAGEMENT COMMITTEE

# 2017 minor amendments to the 2014 edition of the Victorian Service & Installation Rules



## Introduction

The Victorian Service & Installation Rules (SIR) Management Committee has produced the July 2017 edition that contains minor amendments to the previous major update published in 2014. The amendments were developed to correct minor errors and make material changes to the Rules.

Please find a summary of the amendments to the Victorian Service & Installation Rules listed below and refer any queries about the Rules, or their interpretation to the relevant Distributor through the SIR website 'Contact Us' tab. Throughout the Rules, changes are marked in a manner similar to AS3000 as A1 (Incorporating Amendment No. 1).

The Rules amendments have been incorporated and published in a PDF that can be downloaded from the SIR website and the revised Rules should be implemented as soon as practicable. The Victorian SIR's are developed and maintained by the Victorian Electricity Distributors Service and Installation Rules Management Committee are updated according to the needs of the industry, and by amendments or revision. Users of the Rules should make sure they possess the latest amendments or editions.

Note: this information was correct at the time of publication and the relevant Distributor should always be contacted where any doubt exists or confirmation is required. Refer to SIR Clause 4.2.

<b>2014 edition</b>		<b>2017 Change</b>
Page Number	Clause / Table / Figure Number Amended	
All		Changed all references from 'SP AusNet' to ' <b>AusNet Services</b> '
Page 1-6	Definitions	" <b>Deemed</b> " included in Definitions – 'regarded, considered or judged'.
Page 1-6	Definitions	" <b>Deemed Contract</b> " to be included in Definitions – 'as defined by the Electricity Distribution Code.
Page 2-6	Jemena Address	Changed Jemena [postal address to: <b>PO Box 16182 Melbourne Vic 3000</b>
Page 4-9		Inserted new <b>EWR</b> Form
Page 4-10		Inserted new <b>FWO</b> Form
Page 4-11		Inserted new <b>Application for Abolishment of Electricity Supply</b> Form
Page 4-12		Inserted new <b>Reconnection of Electricity Supply</b> Form
Page 5-8	Inserted new page (Page 5-8 A)	Inserted text regarding the <b>CL001 lock</b>
Page 6-3 (Contents) and 6-16	Clause 6.8.3.2	Corrected the spelling from 'identification' to ' <b>identification</b> '

Page 6-7	Clause 6.2.2.2	In <b>'Note'</b> Changed 'substation LV terminals' to <b>'Substation LV consumers terminals'</b>
Page 6-7	Clause 6.2.2.2	Removed <b>References</b> numbers in the key considerations.  Removed the <b>OCEI references</b> and added in the word <b>'consumers'</b>
Page 6-8	Table 6.2-1	'Ground, Kiosk, & Indoor type substation on property' Added the wording <b>'Substation LV consumers terminals'</b> to the note <i>'As nominated by the Distributor – Normally at the Substation LV consumers terminals'</i>
Page 6-14	6.7.2.2	Removed the <b>'s'</b> from breakers to read - "be arranged to ensure the Circuit Breaker or the aggregate rating of multiple Circuit Breakers does not exceed the supply capacity: or" Dot point added: <ul style="list-style-type: none"> <li>• <b>be located no higher than 2 metres above finished ground / floor level and be 'readily accessible'</b></li> </ul>
Page 6-14	6.8.1.2	End of 3 <sup>rd</sup> para – Refer to Table '7-5-1' updated to read <b>'7.5-2'</b>

Page 6-35	6.9.6.2	<p><i>Removed reference to NH fuse handle</i></p> <p>The square symbols in the bottom drawing shown as circuit breakers as per AS3000 Appendix J</p>
Pages 7-8, 7-12 & 7-32	Table 7.2-1, 7.3-2 & Figure 7.5-A	<p>Changed the term 'URD' to <b>'Network Underground'</b></p>
Page 7-17	Figure 7.4-B	<p>Figure amended POA min 3m, drip loop max 250mm as the drip loop must not be below 2750mm</p> <p>1. <b>Added minimum measurement of 2750mm from ground to the bottom of the cable drip loop dotted line.</b></p> <p>2. In table 6.2-1 aerial service cable, <b>added reference to Figure 7.4-B</b></p>
Page 7-23	Figure 7.4-E	<p><i>Added the wording 'At the point of attachment, on fascia or raiser bracket' at dot point 'F' and added a second arrow to the image for 'E' measurement to the higher service line</i></p> <p>Altered second dot point D from 2700mm to <b>3000mm</b></p>
Page 7-30	Clause 7.5.2.1	<p><i>Added a 3<sup>rd</sup> dot point:</i></p> <ul style="list-style-type: none"> <li><b>On reconnection of existing installations, if the underground mains test greater than or equal to 5 megohm and less than 50 megohm, the supply will be reconnected and a defect notice may be issued</b></li> </ul>

Page 7-36	Clause 7.5.4.5	Changed reference in 7.5.4.5 from 7.5-C to <b>7.5-D</b>
Pages 7-39	Clause 7.6	<p><i>Added text after the following: To limit additional costs, the electrical installation should be constructed in a manner to avoid the necessity for further Distributor visits, eg, be connected to permanent consumer's mains and include provision for the permanent metering equipment.</i></p> <p><b><i>For group metering, mains control should be set up with the Supply Capacity Control Device (SCCD) for the allowable load for the property and each circuit controlled by a circuit breaker the same capacity as the SCCD. A CES and EWR shall be provided stating the installation is a "Builders supply" (not unit number) and at the completion of construction, another EWR and COES will be required before the unit is energised.</i></b></p>
Page 7-43	Clause 7.10.3.2	<p><b>Existing:</b> <i>7.10.3.2 Notwithstanding clause 7.10.3.1, lots shown on the plan of subdivision incorporating common property that are not affected by any Owners Corporation and abut a public road reserve may be provided with a separate point of supply.</i></p>

		<p><b>Changed to:</b>  <b>7.10.3.2 Notwithstanding clause 7.10.3.1, provided there are no increased safety risks, (as per but not limited to the notes in clause 6.2.2.2) lots shown on the plan of subdivision incorporating common property that are affected by any Owners Corporation and abut a public road reserve, but do not abut the common property, may be provided with a separate point of supply.</b></p>
Page 7-46 – 7-54	Figures 7.10A through to 7.10.I	Corrected header spelling from 'subdivison' to ' <b>Subdivision</b> '.
Page 8-18	Clause 8.9.3.1	Changed 'must to ' <b>shall</b> ' in dot points 1 and 4.
Page 8-30	Table 8.10-1	Updated figure 8.10–H to include note 6, <b>also acceptable 200mm(w) x 370mm(h)</b>
Page 8-30	Figure 8-10-H	Added 'Note 6 <b>Minimum size can be as per table 8.10-1 for overhead areas where no fuse on the panel is required</b>
Page 8-33	Table 8.10-2	Replaced 'n/a' with ' <b>2</b> ' ( <b>provided the SPD's are not located on the meter panel</b> )
Page 8.33	8.10.2.10	Change clause number from 4.5 to <b>5.4</b>

Pages 8-35 & 8-36	Figures: 8.10-K & 8.10-L	Note 4: Replace 'should' with ' <b>shall</b> '
Page 8-37	Figure 8.10-M	Corrected fuse and neutral link spacing vertical measurements
Page 8-38	Figure 8.10-N	Inserted 'Note 7 <b>Where a constant 3 phase load in excess of 50 amps per phase is expected, the meter panel fuses shall be spaced not less than 20mm apart.</b>
Page 8-40	Figure 8.10-P	Replaced 'Refer Note 3' with ' <b>Refer Note 4</b> ' and Note 4 replaced 'should' with ' <b>shall</b> ' and replaced 80 with <b>50</b>
Pages 8-42, 8-44 & 8-45	Figures 8.10-R, 8.10-T & 8.10-U	Note 7 replaced 'should' with ' <b>shall</b> ' and replaced 80 with <b>50</b>
Page 8-52	8.10.3.1	At the start of paragraph 5, removed the first sentence 'The following information...clause 7.10. The paragraph will start with <b>'Generally...'</b>
Page 8-54	Clause 8.10.3.3 a)	Changed last dot point to: <b>Metering CTs at the parent metering point shall be provided by the LNSP</b>
Page 8-54	Clause 8.10.3.3 b)	Changed last dot point to: <b>Metering CT's for any NEMC should be provided by the LNSP</b>



Page 8-56	Clause 8.10.3.7	In the sub heading, 'Regulations' <b><i>Removed space between sentences in the 4th dot point</i></b>
Page 8-57	Clause 8.11.2.1	Changed wording to reflect maximum meter panel size at <b><i>900H x 600W</i></b>
Page 8-58	Figure 8.11-A	Inserted 'Un' ahead of enclosed to read <b><i>'Unenclosed'</i></b>
Page 8-67	Figure 8.11-F	Replaced 'Max 2M' with <b><i>'Max 3M'</i></b>
Page 8-69	Figure 8.11-H	Figure amended
Page 8-71	Clause 8.12.2.1	Added new dot point: <b><i>Note: For remote read meters owned by the Distribution Businesses which are to be located within a basement a remote antenna (outside of the building) may be required for communication. During negotiation of supply the customer will need to consult with Distribution Businesses in the installation of conduit and antenna cabling.</i></b>
Page 9-9	Clause 9.13	Change 2 <sup>nd</sup> para to read: <b><i>Other high voltage installations such as dual high voltage feeders, cogeneration installations and National Electricity Market Type 2 installations will require additional provisions.</i></b>

Page 9-9	Clause 9.13.1	<p>Changed dot point 3 to:  <b><i>Metering equipment shall not be installed in unsuitable locations as described in Clause 8.6.4 (Unsuitable Metering Locations) and shall not be located within HV enclosures without prior approval from the distributor where entry to the area requires the issue of an Electrical Access Authority.</i></b></p> <p>and...          Dot point 4 and 5 changed 'must' to '<b><i>shall</i></b>'</p>
Page 9-9	Clause 9.13.2.1	<p>HV Meter panel HV 900mm x 600mm panel is okay in any circumstance.</p> <p>Copied 8.11.2.1 second sentence and pasted in clause 9.13.2.1 3</p>
Page 9-10	Clause 9.13.3.2	2nd para changed 'must' to ' <b><i>shall</i></b> '
Page 9.10	Clause 9.13.3.3	changed all 'must'(s) to ' <b><i>shall</i></b> '
Page 9.11	Clause 9.13.3.3	<ul style="list-style-type: none"> <li>• dot point 2 and 4 changed 'will' to '<b><i>shall</i></b>'</li> <li>• dot point 3 changed 'must' to '<b><i>shall</i></b>'</li> <li>• dot point 6 changed '10ampere' to '<b><i>32 ampere</i></b>'</li> <li>• dot point 7 started clause with '<b><i>For 3 phase 3 wire metering the white phase...</i></b></li> </ul>

Page 9-12	Table 9.13-1	Row 7 column 2 Changed to “ <b>50VA (min) per phase</b> ”
Page 9-13	Figure 9.13-A	Inserted new 3 wire diagram <b>‘Figure 9.13-A’</b> and added a new 4 wire diagram <b>‘Figure 9.13-B’</b>
Page 9-14	Clause 9.14	Changed ‘must’ to <b>‘shall’</b> to read <b>‘prescribed work shall be’</b>
Page 9-14	Clause 9.15.2	Paragraph 3 – changed ‘must’ to <b>‘shall’</b> in both instances.

The information provided is only a condensed version of the most affected clauses and shall not be read as the complete amendment.

General – There have been substantive changes made to the Victorian Service and Installation Rules, therefore it’s advisable that you read the entire document, or as a minimum, the areas of change, as there are many interrelationships between clauses that may affect other parts of the document not mentioned in the changes above.