

AS/NZS 3000:2007: Electrical installations (known as the Australian/New Zealand Wiring Rules): including Amendments 1 and 2, subject to the following modifications:

1. In 4.5.2.3.2, change “warning sign shall be installed” to “warning sign shall be installed or fitted in domestic installations but may be omitted from all other installations”.
2. In 4.18.1(b) and (c), change “all live (active and neutral) conductors” to “all active conductors”.
3. Add a new paragraph to 4.18.2: “In New Zealand, only electrical equipment that is directly associated with the gas supply may be installed in the hazardous areas of a domestic installation, shown in figure 4.10.”
4. Replace 4.18.3 with “In New Zealand, only electrical equipment (including metering equipment) that is directly associated with the gas supply may be installed in the exclusion zones of a domestic installation in figure 4.11.”

AS/NZS 3000:2018
Electrical installations -
Known as the
Australian/New Zealand
Wiring Rules - Including
Amendment 1,
Amendment 2, and
Amendment 3. with the
following modifications:

1 year transition with the
immediate ability to use

1. Add wording following paragraph (b)(ii) of clause 1.7.3 "Exemption: Any appliance or fitting imported into NZ that forms part of a imported caravan, where the fitting or appliance complies with the exemption to clause E4.3.4.1 of AS/NZS 3001.2 can follow the requiremnts of that clause."

The reason is so that a imported second hand caravan does not have to remove a socketoutlett that is perminately plugged into a built in appliance - reducing compliance costs for the end user.

2. Change to: Remove reference to 2.3.2.1.2(b) and 2.3.2.1.2(c) The reason for this is that there needs to be an ability to switch the neutral and earth for EV charging, TT, and IT circuits, as well as when an installation is operated independent of the grid.	3. Delete clause 2.6.2.2.3(b) and replace it with: "Either type A in accordance with IEC 61009.1 or IEC 61008.1 Or Type F or Type B in accordance with IEC 62423." Reason: This is to allow the use of Type B and F RCDs	4. Delete 2.6.3.3.2 Exception 2, Bullet point 2 – this exception is no longer needed due to change in technology use. Considered MOE	5. In clause 4.18.5 Reticulated lighter-than-air gas system, delete the words "lighter-than-air" Reason: this would allow this clause to also apply to reticulated LPG installations.	6. Amend clause 4.18.5 so that the term "hazardous area" has the same meaning as "exclusion zone" and the title for Figure 4.20. Reason: A hazardous area is different to an exclusion zone. An exclusion zone does not allow any electrical equipment into the zone whereas a hazardous area, which does not exist in residential, requires special precaution for electrical equipment as well as a periodic inspection. We do not want to impose a periodic inspection on domestic premises in this way.
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7. Amend clause 4.18.2.3 so that the term "hazardous area" has the same meaning as "exclusion zone" and the title for Figure 4.18	8. In clause 8.3.10 paragraph 2 delete the words "either by the operation of the integral test device, or". Then: add in new paragraph 5 after paragraph 4: The function testing of the RCD is to include trip time, as well as confirmation that the functions that the RCD has are working, as well as confirmation that protection against electric shock is provided by which tripping is ensured for residual sinusoidal alternating current and residual pulsating direct current, as well as the presence of DC leakage, as well as constant DC where applicable." Delete note 4. The reason for this is to ensure that RCDs are tested to ensure that they are working but are not deemed unsafe by Regulation 24 of the Electricity (Safety) Regulations due to the trip time.	9. Remove the words "It is recommended that the" from clause 8.3.2.2 Reason: So that the installer has to keep records of testing due to investigations that have occurred have uncovered that electricians are not making records of testing meaning that they often don't remember what they tested.	10. With the exception of clause 7.9.4 Reason: So that the requirements of clause 7.9.3 can apply to non domestic installations.	11. Clause 7.9.3 change title and all words in the clause to remove the word "domestic" Reason: to clarify that the clause applies in all installation rather than just domestic
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Add a clause number 7.9.3.4 "The requirements in appendix P must be complied with." Reason so that the requirements for safety with Evs become mandatory	Change: 2.2.1.4 In note 1 Change the word "guidance" to requirements. Then remove the word 'Notes' to make the clause substantive. Reason: to ensure that the NZ requirement for EV charging safety is mandatory.	Change clause 7.9 and appendix P to make all Mode 4 information guidance only. Reason: The IEC requirements around mode 4 charging have been dramatically changed since this clause was put into the standard. These changes have seen the safety for mode 4 chargers been moved into the product itself rather than on the final sub circuit and these changes have been captured in S4. This also avoids any regulatory burden on hi power supplies, eg for boats or busses, that need to be designed from scratch.	Change clause 1.5.6.3: At the end of paragraph 1 insert the following: "Any RCD that forms part of the installation shall be selected and installed to be compatible with the types of lead intended to be used within the installation. Consideration shall be applied for potential pulsating and constant DC fault currents and waveform distortion." Reason: To ensure RCDs in an installation are not blinded by the presence of DC and they maintain their safety function as well as ensure that the correct type of RCD for EV charging is considered.	Delete clause 1.6.2(c) note (b) Reason: In New Zealand the ESR prescribes standard low voltage, not IEC 60038.	Replace: 2.6.3.3.3 – All with "Where a installation or part installation has been installed in accordance with AS/NZS3003, the requirements of 2.6.3.3.1 do not apply." Reason: to ensure that the facilitation of home medical treatment set out in AS/NZS 3003 can be effectively implemented without extra regulator burden from having to install, what in this case is, redundant electrical products.
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Need to write the policy
paper wording for Evs -
removal of mode 4
requiremets.

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