

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 3010:2017
Electrical installations—Generating sets

REVISED TEXT

The 2017 edition of AS/NZS 3010 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to Clauses 1.2, 1.3, 1.4.10, 2.2, 2.5, 2.6.3, 2.7.1, 2.8.2, 4.2.3 to 4.2.7 and 4.3.2.3 to 4.3.2.6, Table 2.1, Figures 2.3 to 2.16, and 4.1 to 4.3, and Appendices A, B, C and D.

Published on 24 April 2020.

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Clause 1.2

In the fourth paragraph, *replace* the text “specifies a New-Zealand-only” with “provides”, and *delete* the “NZ” margin box.

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Clause 1.3

1 *Add* the following to the list of AS/NZS referenced documents, below the entry for AS/NZS 3123:

3131 Approval and test specification—Plugs and socket-outlets for stationary appliances

2 *Add* the following to the list of AS/NZS referenced documents, below the entry for AS/NZS 60269:

60884 Plugs and socket-outlets for household and similar purposes
 60884.1 Part 1: General requirements (IEC 60884-1, Ed.3.1 (2006) MOD)

3 *Add* the following to the list of IEC referenced documents, below the entry for IEC 60309:

60309-2 Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories

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Clause 1.4.10

Replace the clause heading with the following:

1.4.10 Reduced low voltage (RLV) — New Zealand only

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Clause 2.2

1 *Delete* the second paragraph and the “NZ” margin box.

2 *Add* the following text as the last paragraph of this clause:

In New Zealand, in tunnelling operations, reduced low voltage diesel engine generating sets fitted with an exhaust conditioning system or appropriate ventilation systems, may be used.

NZ

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Clauses 2.5

- 1 In Item (d), *replace* the first paragraph with the following:
Neutral and earth conductors shall not operate in parallel, except as specified below.
- 2 *Delete* the “A” margin box.

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Clause 2.6.3

Delete the reference to Clause 2.6.3 at the end of the first paragraph and *replace* with “Clause 2.6.2”.

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Clause 2.7.1

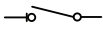
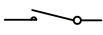
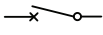
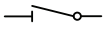
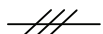
Replace the third paragraph with the following:

A grid-connected inverter or regenerative supply source shall not be connected downstream of the generating set changeover device.

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Table 2.1

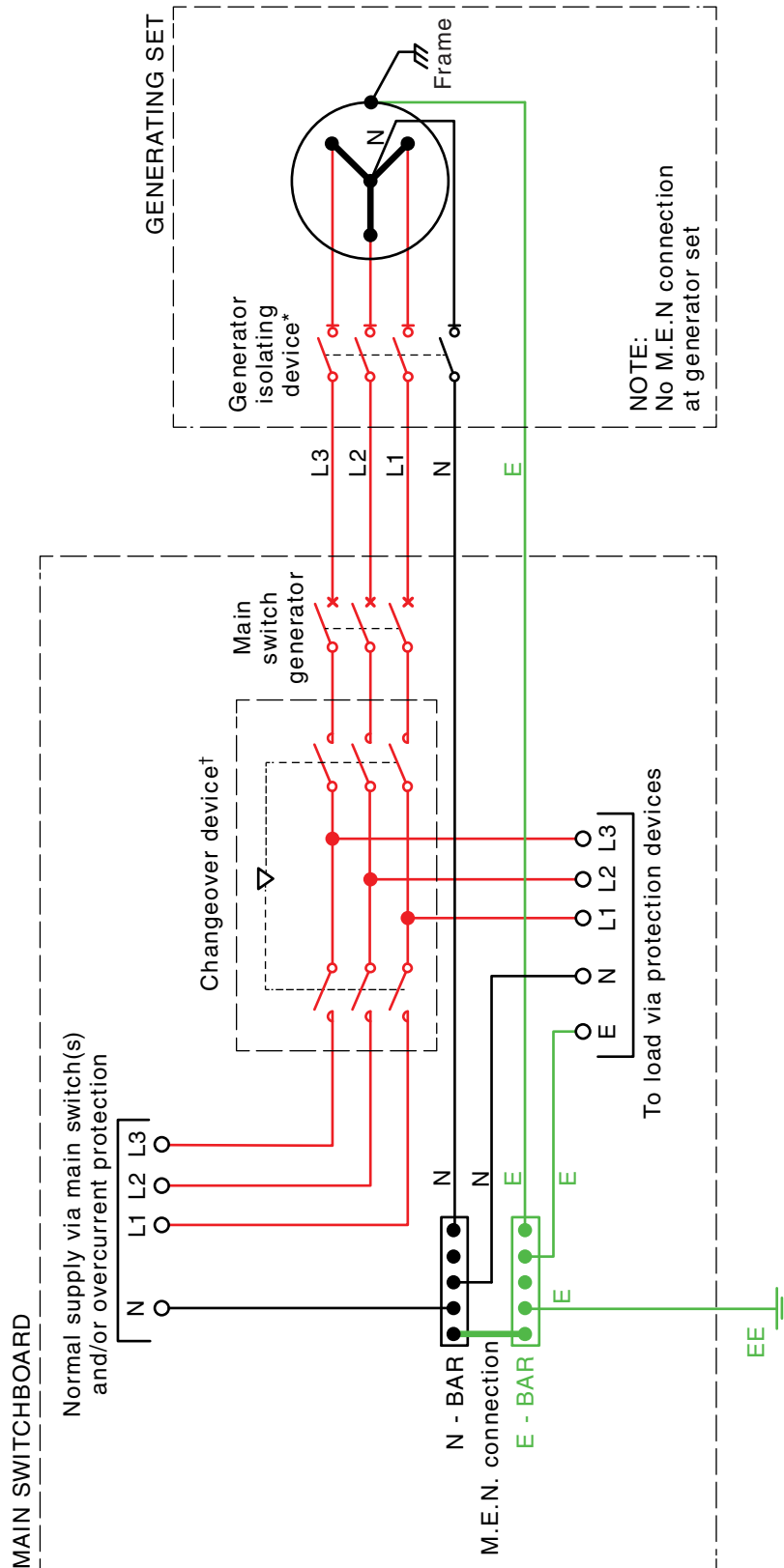
Replace the existing table with the following:

SYMBOL	DESCRIPTION
	Co-generation = solar, wind, water
E 	Earth conductor
E-BAR 	Earth bar
EE 	Earth electrode
G  	Generator
L1, L2, L3 	Active (phase) conductors
MTS	Manual transfer switch
N 	Neutral conductor
N-BAR 	Neutral bar
	Load break contact
	Contactor
	Circuit breaker
	Switch
 FRAME	Chassis or frame
	Mechanical interlock
	Electrical connection
	Multiphase conductors

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Figure 2.3

Replace the existing figure with the following:

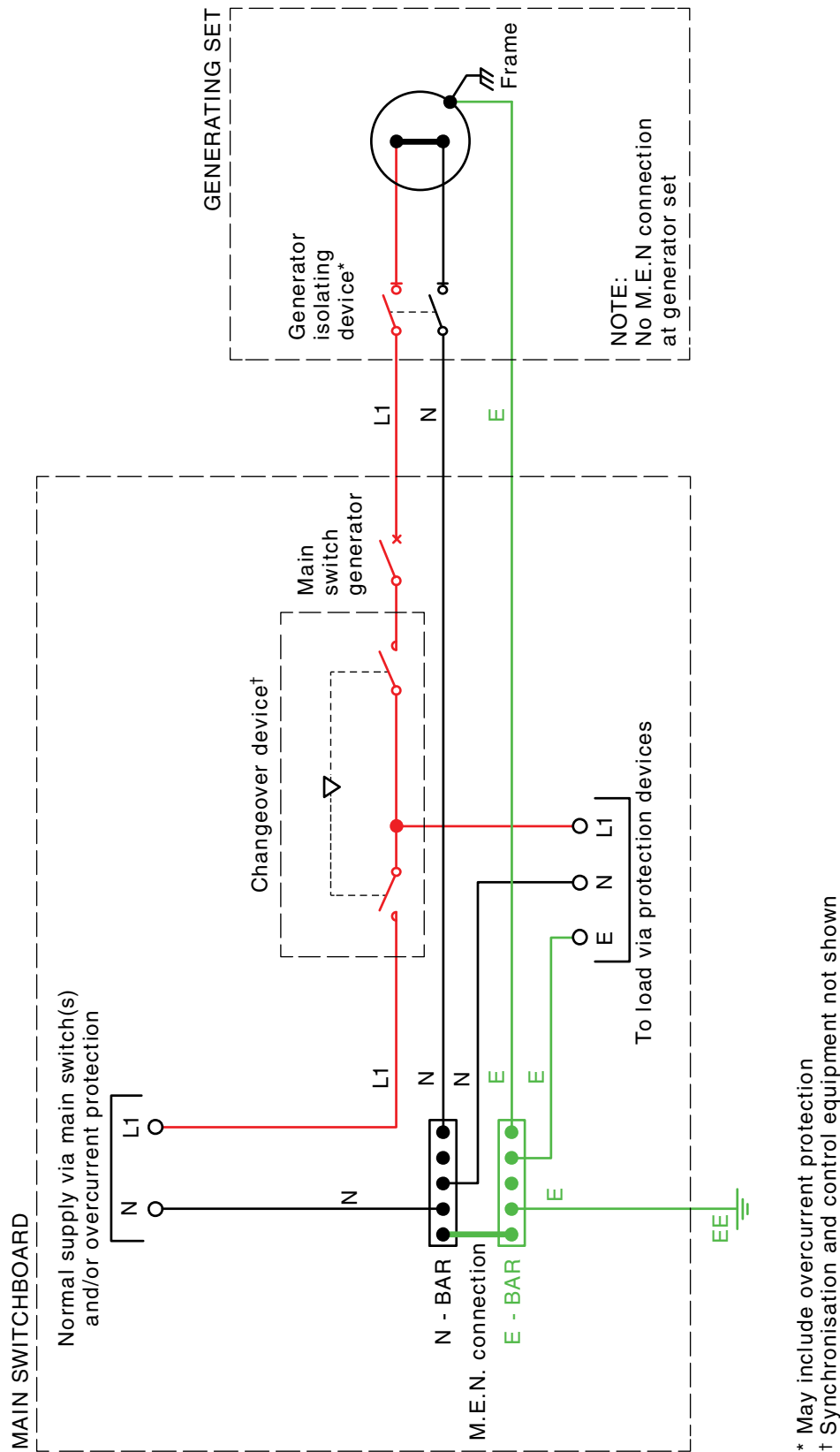


* May include overcurrent protection
† Synchronisation and control equipment not shown

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Figure 2.4

Replace the existing figure with the following:



Replace the existing figure with the following:

Australia ONLY

MAIN SWITCHBOARD

Normal supply via main switch(s) and/or overcurrent protection

N - BAR

M.E.N. connection

E - BAR

E

DISTRIBUTION SWITCHBOARD

Changeover device[†]

Main isolating device distribution board*

Main switch generator

L1 L2 L3

N

E

To load via protection devices

GENERATING SET

Generator isolating device*

L3 L2 L1

N

Frame

NOTE: No M.E.N. connection at generator set

* May include overcurrent protection

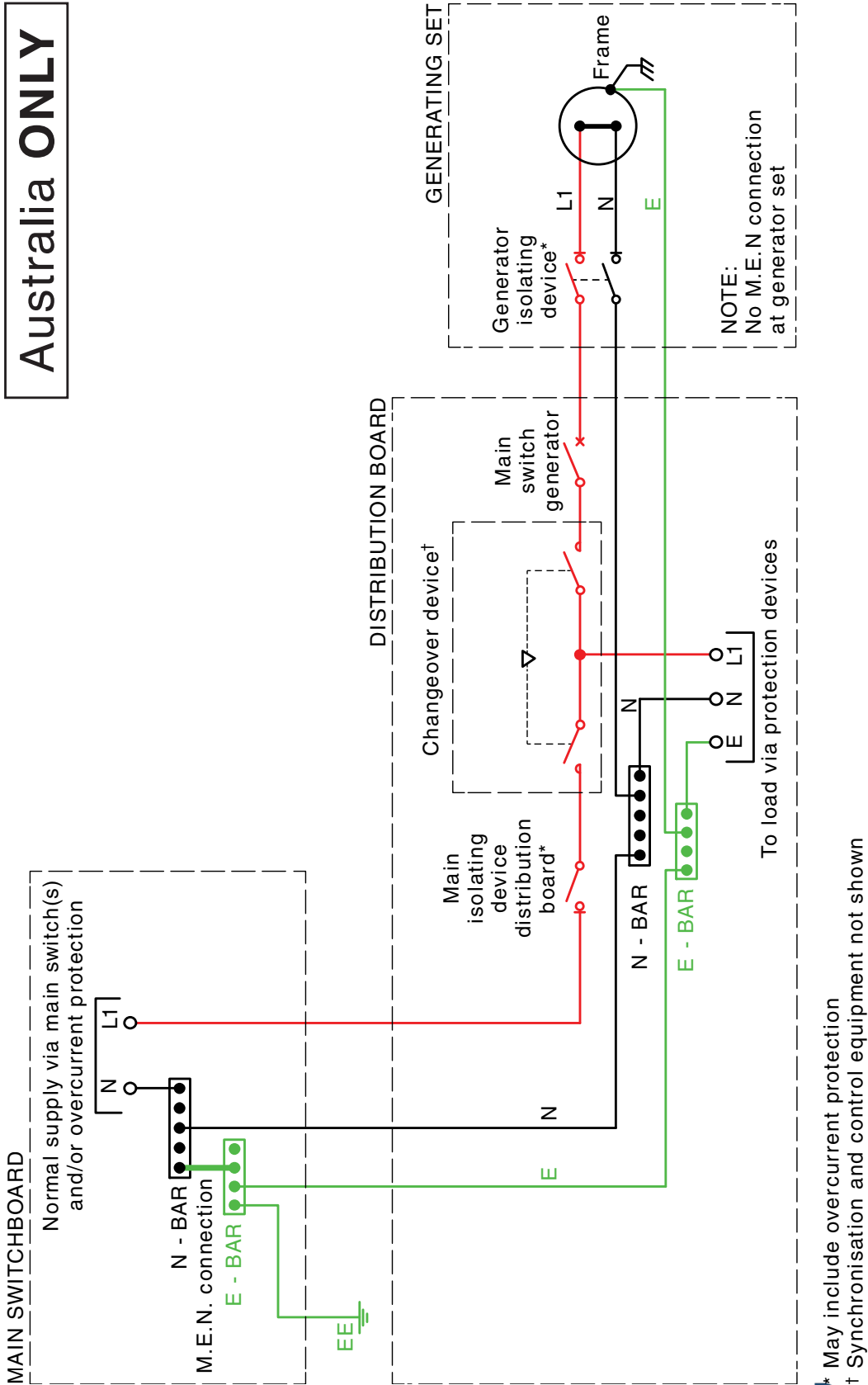
† Synchronisation and control equipment not shown

* May include overcurrent protection
† Synchronisation and control equipment

† Synchronisation and control equipment not shown

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Figure 2.6
Replace the existing figure with the following:

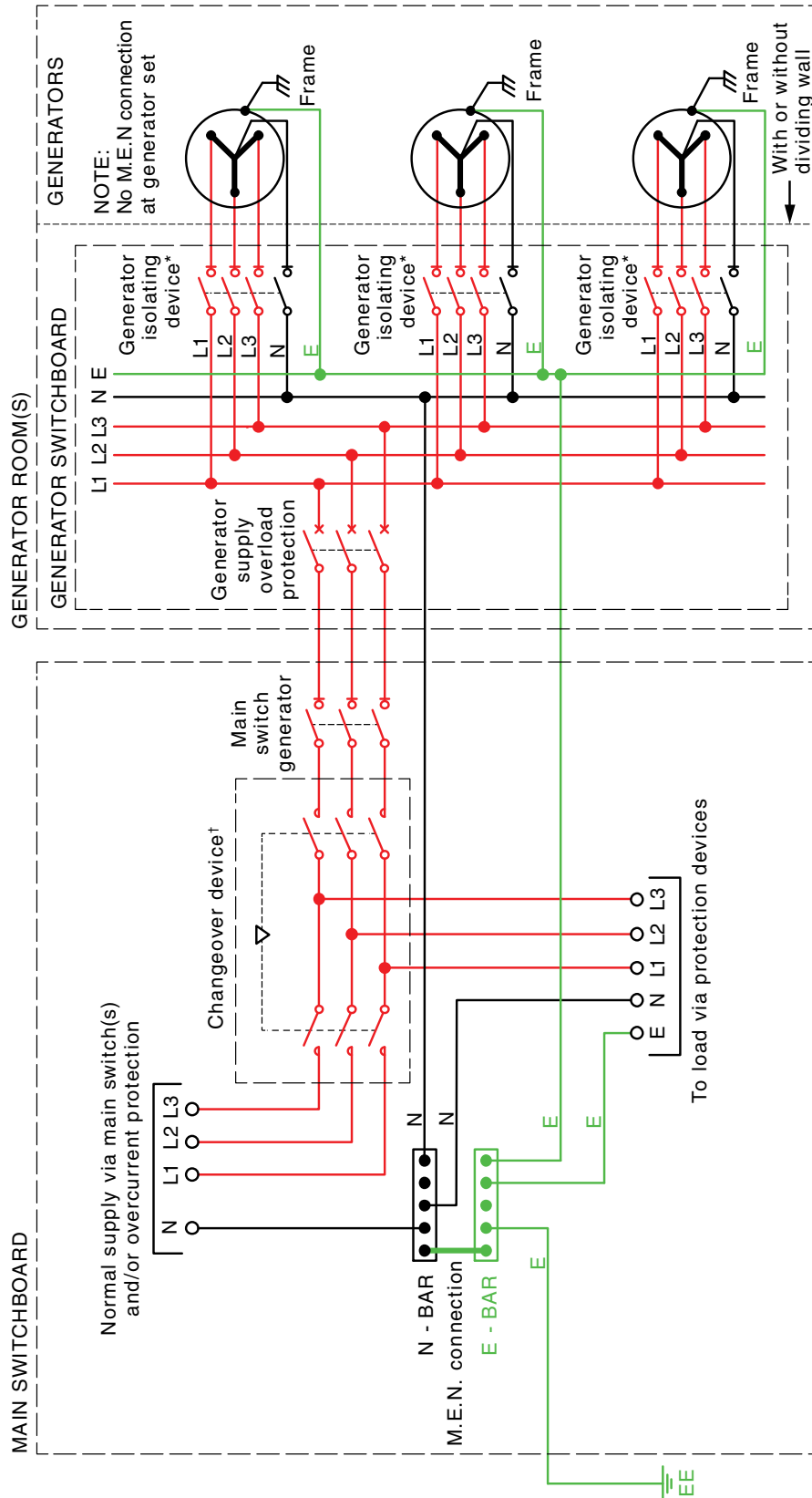


* May include overcurrent protection
† Synchronisation and control equipment not shown

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Figure 2.7

Replace the existing figure with the following:

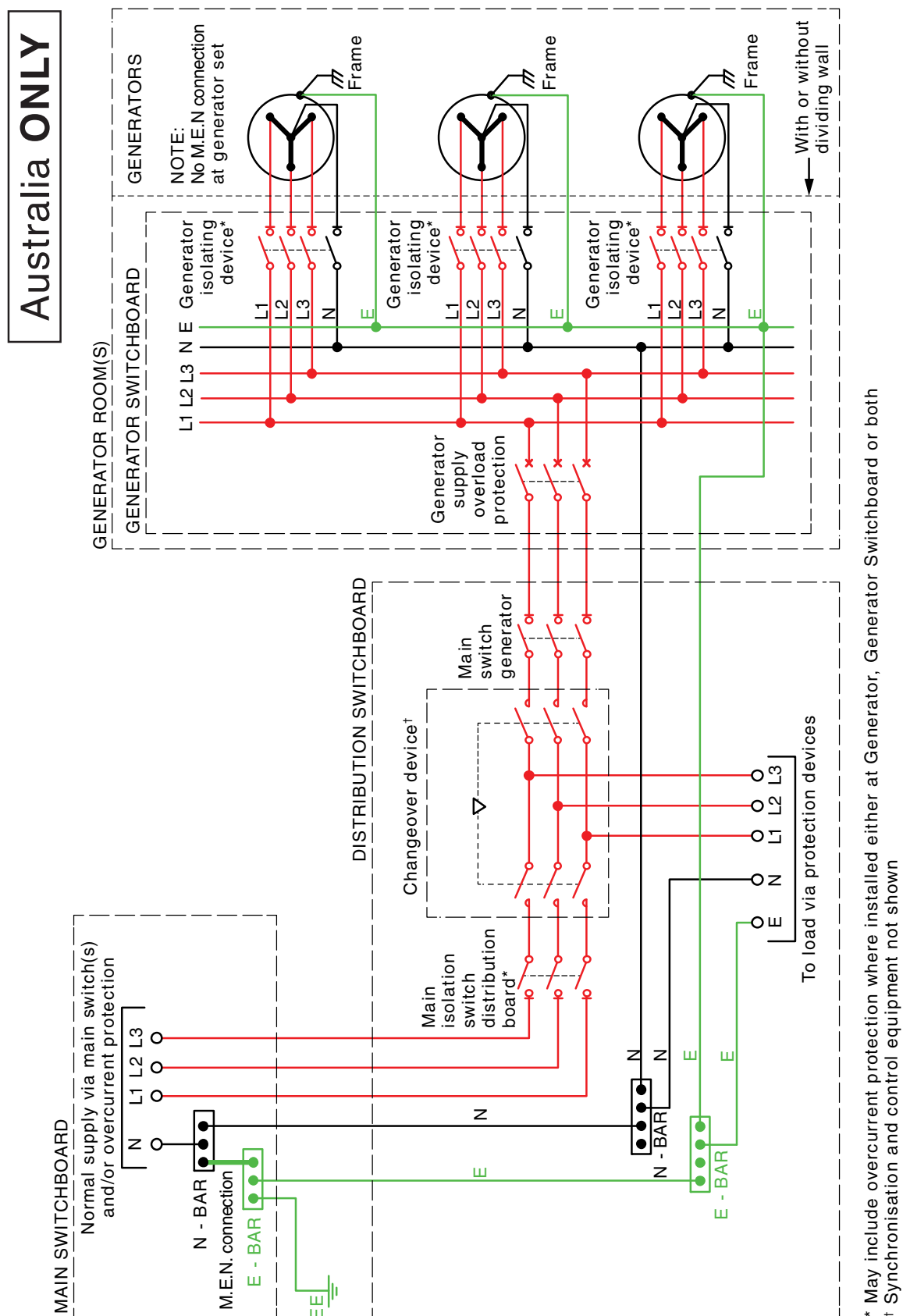


* May include overcurrent protection where installed either at Generator, Generator Switchboard or both
† Synchronisation and control equipment not shown

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Figure 2.8

Replace the existing figure with the following:



Replace the existing figure with the following:

