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Technical Report

Electromagnetic compatibility (EMC)

Part 3.13: Limits—Assessment of emission limits for the connection of unbalanced installations to MV, HV and EHV power systems

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PREFACE

This Technical Report was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-034, Power Quality.

The objective of this Technical Report is to provide guidance on principles that can be used to determine the requirements for the connection of three-phase installations causing voltage unbalance to MV, HV and EHV public power systems.

Users of this Technical Report are requested to consult National Electricity Rules or relevant jurisdictional legislation with regard to the limits of voltage unbalance.

This Technical Report is identical with, and has been reproduced from IEC/TR 61000-3-13, Ed 1.0 (2008), *Electromagnetic compatibility (EMC)* Part 3-13: *Limits—Assessment of emission limits for the connection of unbalanced installations to MV, HV and EHV power systems.* The IEC processes related to development and approval of a Technical Report are subject to a more moderate level of transparency and consensus than the processes related to developing and approving a normative Standard.

IEC/TR 61000-3-13, Ed 1.0 (2008) contained an error in Figure A.2. A Corrigendum was issued by IEC in April 2010, to rectify this error. The IEC Corrigendum 1 has been added at the end of the source text.

As this Technical Report is reproduced from an International Technical Report, the following applies:

(a) Its number appears on the cover and title page while the International Technical Report number appears only on the cover.

(b) In the source text ‘this part of IEC 61000’ should read ‘this part of TR IEC 61000’.

(c) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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