

Changes Coming to CISPR 22

Updating a report that first appeared in the April edition of the Compliance Advisory Service, EN 55022:1998 and its amendments and AS/NZS CISPR 22:2004 (which is identical to CISPR 22:2003, edition 4) contain test methods that have been/will be rejected in Edition 5 of CISPR 22.

The primary issues are:

- 1) The use of ferrite clamps on all cables that exit the test site, including AC power. The ferrite clamps were supposed to provide improved repeatability but this has not been the case, and the requirement for these clamps has been removed in Edition 5 of CISPR.
- 2) The specification for ISNs for testing telecom ports is inadequate and causes large variations in test results.

The EU postponed implementation of EN 55022:1998 from 2003 to 2005 and again to 2007 because of this issue on the assumption that CISPR 22 Edition 5 will be published as an EN prior to that date but did not postpone implementation of the amendments A1 and A2. These amendments must be used from 8/1/2005 and 12/1/2005 respectively if compliance is declared to EN 55022:1998

So, rather than use AS/NZS CISPR 22 as the basis for demonstrating compliance with the Australian/New Zealand EMC Framework and EN 55022:1998 with amendments A1 and A2 for compliance with the EMC directive, it is strongly recommended that EN 55022:1994 with amendments be used, at least until CISPR 22 Edition 5 is published and adopted as an EN and AS/NZS standard.

You may still continue to use EN 55022:1994 with amendments until 7/31/2007. EN 55022:1994 with amendments, as it is a harmonized standard, can be used to support a declaration of conformity to the EMC requirements in Europe, Australia and New Zealand based on the Australian/New Zealand EMC Framework.

You may refer to the guidelines issued by Australia and New Zealand, which can be downloaded at: <http://www.med.govt.nz/rsm/standards/pdfs/emcbook.pdf>

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