Australian/New Zealand Standard[™]

Power transformers

Part 3: Insulation levels, dielectric tests and external clearances in air (IEC 60076-3, Ed. 2 (2000) MOD)





AS/NZS 60076.3:2008

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The following are represented on Committee EL-008:

Australasian Railway Association Australian Chamber of Commerce and Industry Australian Greenhouse Office Australian Industry Group Australian Institute of Petroleum Electricity Engineers Association, New Zealand Energy Efficiency and Conservation Authority of New Zealand **Energy Networks Association Engineers** Australia Testing Interests (Australia)

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Originated as AS 2374.3.0—1982 and as AS 2374.3.1—1992. Jointly revised and redesignated as AS/NZS 60076.3:2008.

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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee EL-008, Power Transformers to supersede AS 2374.3.0—1982 and AS 2374.3.1—1992 six months after publication.

The objective of this Standard is to provide designers, suppliers, purchasers and users of oil-immersed power transformers with requirements for insulation levels, dielectric tests and minimum external clearances in air between live parts of bushings and to objects at earth potential.

This Standard is an adoption, with national modifications, and has been reproduced from IEC 60076-3, Ed.2 (2000) (including Corr 1:2000), *Power transformers*—Part 3: *Insulation levels, dielectric tests and external clearances in air*, and has been varied as indicated to take account of Australian and New Zealand conditions.

Variations to IEC 60076-3:2000 are indicated at the appropriate places throughout this Standard. Strikethrough (example) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

IEC 60076-3:2000 includes both European and North American practices. It is the tradition in Australia to follow European practice. Table 3 and Table 6 have been deleted as they indicate North American practices. References to these tables should be ignored.

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The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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