

Australian/New Zealand Standard™

**Telecommunications installations—
Administration of communications
cabling systems**

Part 1: Basic requirements

AS/NZS 3085.1:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CT-001, Communications Cabling. It was approved on behalf of the Council of Standards Australia on 29 April 2004 and on behalf of the Council of Standards New Zealand on 7 May 2004. It was published on 9 June 2004.

The following are represented on Committee CT-001:

Australian Communications Industry Forum
Australian Electrical and Electronic Manufacturers Association
(Australian) National Electrical and Communications Association
(Australian) Telecommunications Industry Training and Advisory Board (TITAB)
BICSI Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CT-001, Communications Cabling to supersede AS/NZS 3085.1:1995.

The objective of this Standard is to provide designers and specifiers, building owners and managers, and those who are required to meet cabling requirements (e.g. installers), with a standard format for specifying required cabling in tender and construction drawings, and basic specifications for identification and recording of components at the time of installation to aid in administration of application, maintenance and reconfiguration (if necessary) of telecommunications cabling infrastructure.

Adoption of this Standard will benefit architects, consultants, engineers, building owners and managers in the following respects:

- (a) Facilitate standard methods for specifying, recording and interpreting plant by all staff and contractors.
- (b) Allow single person or single contractor dependencies to be avoided.
- (c) Facilitate planning and administration by remote staff such as information systems administrators, centralized help desks, or specialist consultants.
- (d) Increase the speed of network troubleshooting and reduce down-time.
- (e) Allow rapid identification and restoration of services after major building events, e.g. fire, flood or vandalism damage.
- (f) Provide backup records allowing labels on plant to be restored if removed or damaged.

This Standard references ISO/IEC 14763-1, *Information Technology—Implementation and operation of customer premises cabling, Part 1: Administration*, which specifies a comprehensive approach to administration including labelling and database record systems. The ISO/IEC 14763-1 document does not describe methods for recording outdoor cabling between buildings on site plans, rack layouts, or the documentation of open office and centralized fibre optic cabling.

The ISO/IEC 14763-1 document may later be used as the basis for a corresponding Australian/New Zealand Standard, which would be Part 2 of this Standard. However, the Committee believes that this 'basic' Standard will meet the requirements of the majority of users. It covers labelling and essential distribution records and drawings to the minimum extent required to effectively maintain communications cabling infrastructure.

This Standard varies the extent and format of documentation depending on the size of the site using a classification system aligned to TIA/EIA 606-A. This allows it to be used for small SOHO and SME installations through to very large sites. The most basic documentation is provided for a Class 1 site comprising a single distributor, ranging through to plans and records for a Class 3 site comprising a multi-building campus. This Standard does not suggest a methodology for the establishment of a single administration system which could be used for centralized administration of Class 4 installations comprising multiple sites.

The informative Appendix F provides a comparison of the requirements of this document with the requirements of EIA/TIA 606-A and ISO/IEC 14763-1.

This Standard covers all current network architectures for all types of building and campus and facilitates standardization of engineering drawings prepared for the purpose of tender specifications, contract documents and as-built records. It is compatible with both the existing Australian National Specification System (Natspec) and the USA CIS Division 25 specification system T-series construction drawings which may be adapted in the future for use in Australia and New Zealand.

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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