

Australian/New Zealand Standard™

**Telecommunications installations—
Telecommunications pathways and
spaces for commercial buildings
(ISO/IEC 18010:2002, MOD)**



AS/NZS 3084:2003

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CT-001, Communications Cabling for Commercial Buildings. It was approved on behalf of the Council of Standards Australia on 3 December 2002 and on behalf of the Council of Standards New Zealand on 27 November 2002. This Standard was published on 20 March 2003.

The following are represented on Committee CT-001:

Australian Chamber of Commerce and Industry
Australian Communications Authority
Australian Communications Industry Forum
Australian Electrical and Electronic Manufacturers Association
Australian Information Industry Association
Australian Telecommunications Users Group
BICSI Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
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This Standard was issued in draft form for comment as DR 02286.

AS/NZS 3084:2003
(Incorporating Amendment No. 1)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CT-001, Communications Cabling for Commercial Buildings to supersede AS 3084-1993.

This Standard incorporates Amendment No. 1 (May 2007). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

A1

This Standard is an adoption with national modifications and has been reproduced from ISO/IEC 18010:2002 and ISO/IEC 18010:2002 Amendment 1:2005 and has been varied as indicated to take account of Australian/New Zealand conditions.

The objective of this Standard is to assist architects, planners, designers, engineers, builders, installers, maintenance personnel, building owners, managers and users in the planning of physical pathways and spaces in and between buildings to accommodate the equipment and cabling infrastructure necessary for communications.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO/IEC	AS/NZS
11801 Information technology—Generic cabling for customer premises	3080 Telecommunications installations—Integrated telecommunications cabling systems for commercial premises

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

The normative Appendix ZA has been added to the Standard’s main body of text to align this document with the Australian telecommunications and building construction regulatory environment. In New Zealand all references to any and all Australian documents shall be considered **informative only** where no equivalent New Zealand Standard is noted.

Appendix ZB provides design procedures and construction practices which can be referenced in project specific construction contract documents created by Australian and New Zealand users of this document. Much of the information has been updated from AS 3084—1993.

AS 3084—1993 was developed from EIA/TIA-569-A, *Commercial Building Standard for Telecommunications Pathways and Spaces*. This USA Standard was developed with the support of the American Institute of Architects and the Construction Specifications Institute, since it influences both the design and construction of commercial buildings, where various building components are to be structured into facilities which are responsive to telecommunications needs.

Appendix ZC provides guidelines and practical examples for some of the topics covered in Appendix ZB. The material in Appendix ZC has been updated from Appendix A in AS 3084—1993.

It should be noted that this Standard has a special relationship to AS/NZS 3080, *Telecommunications installations—Integrated communications cabling systems for commercial premises*. It recognizes that both building cabling and architectural provisions of the building into which such cabling systems are installed need to be standardized.

In Australia a useful supplement to this Standard is AS/ACIF S 009 which details mandatory installation requirements for customer cabling in Australia, where installations are to be connected to telecommunications carrier networks.

AS/NZS 3000, *Electrical installations (known as the Australian/New Zealand wiring rules)* contains general requirements for cabling pathways within buildings. In Australia only, AS/ACIF S 008, *Requirements for authorised cabling products*, and AS/ACIF S 009 *Wiring rules* provide mandatory requirements for telecommunications cabling products, including telecommunications conduit and pits.

Some of the figures in this Standard are reproduced by courtesy of the following organizations:

Australasian Cable Supports: Figure ZC3

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