



Information technology — Generic cabling for customer premises

Part 6: Distributed building services (ISO/IEC 11801-6:2017, MOD)



AS 11801.6:2019

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The following are represented on Committee CT-001:

- Australian Chamber of Commerce and Industry
- Australian Council of Trade Unions
- Australian Digital and Telecommunications Industry Association
- Australian Industry Group
- Australian Information Industry Association
- BICSI South Pacific (Australia)
- Energy Networks Australia
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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CT-001, Communications Cabling.

The objective of this Standard specifies generic cabling within premises that comprise single or multiple buildings on a campus. It covers balanced cabling and optical fibre cabling.

This Standard has been prepared to reflect the increasing use of generic cabling in support of non-user specific services and the sharing of information between such services that can also incorporate the supply of power, including—

- (a) telecommunications, e.g. wireless access points, distributed antenna systems;
- (b) energy management, e.g. lighting, power distribution, incoming utility metering;
- (c) environmental control, e.g. temperature, humidity;
- (d) personnel management, e.g. access control, cameras, PIR detectors, time and attendance monitoring, electronic signage, audio-visual projectors;
- (e) personal information and alarms, e.g. paging, patient monitoring, nurse call, infant security;
- (f) intelligent building systems.

This Standard specifies directly or via reference to AS/NZS ISO/IEC 11801-1—

- (i) the structure and configuration for generic cabling for distributed building services;
- (ii) the interfaces at the service outlet (SO);
- (iii) the performance requirements for cabling links and channels;
- (iv) the implementation requirements and options;
- (v) the performance requirements for cabling components;
- (vi) the conformance requirements and verification procedures.

Safety (e.g. electrical safety and protection, fire) and electromagnetic compatibility (EMC) requirements are outside the scope of this Standard, and are covered by other Standards and by regulations. However, information given by this Standard can be of assistance.

This Standard is intended to be read in conjunction with AS/NZS 11801-1, *Information Technology — Generic cabling for customer premises, Part 1: General requirements (ISO/IEC 11801-1:2017, MOD)*.

This Standard is one of a series of customer cabling Standards addressing design, minimum specification and performance of links and channels, cable/cabling accommodation and installation, conformance testing and administration.

This Standard is part of a series of Standards which are associated with other Australian Standards, Australian/New Zealand Standards and International Standards.

Standards which are part of the series and Standards that are associated with this Standard are as follows:

AS/NZS 11801.1, *Information technology—Generic cabling for customer premises, Part 1: General requirements (ISO/IEC 11801-1:2017, MOD)*

AS 11801.2, *Information technology—Generic cabling for customer premises, Part 2: Office premises (ISO/IEC 11801-2:2017, MOD)*

AS 11801.3, *Information technology—Generic cabling for customer premises, Part 3: Industrial premises (ISO/IEC 11801-3:2017, MOD)*

AS 11801.4, *Information technology—Generic cabling for customer premises, Part 4: Single-tenant homes (ISO/IEC 11801-4:2017, MOD)*

AS 11801.5, *Information technology—Generic cabling for customer premises, Part 5: Data centres (ISO/IEC 11801-5:2017, MOD)*

AS 11801.6, *Information technology—Generic cabling for customer premises, Part 6: Distributed building services (ISO/IEC 11801-6:2017, MOD)* (this Standard)

AS 30129, *Information technology—Telecommunications bonding networks for buildings and other structures (ISO/IEC 30129:2015 MOD)*

AS/NZS 2967, *Optical fibre communication cabling systems safety*

AS/NZS 3084, *Telecommunications installations—Telecommunications pathways and spaces for commercial buildings*

AS/NZS 3085.1, *Telecommunications installations—Administration of communications cabling systems, Part 1: Basic requirements*

AS/NZS ISO/IEC 14763.2, *Information technology—Implementation and operation of customer premises cabling, Part 2: Planning and installation*

AS/NZS 14763.3, *Information technology—Implementation and operation of customer premises cabling, Part 3: Testing of optical fibre cabling (ISO/IEC 14763-3:2014, MOD)*

IEC 61935-1, *Specification for the testing of balanced and coaxial information technology cabling — Part 1: Installed balance cabling as specified in ISO/IEC 11801 and related standards*

IEC 61935-2, *Specification for the testing of balanced and coaxial information technology cabling — Part 2: Cords as specified in ISO/IEC 11801 and related standards*

This Standard is an adoption with national modifications, and has been reproduced from, ISO/IEC 11801-6:2017, *Information technology — Generic cabling for customer premises — Part 6: Distributed building services* and its Corrigendum No. 1 (2018). The modifications in Appendix ZZ are additional requirements, which have been added at the end of the source text.

Appendix ZZ lists the variations to ISO/IEC 11801-6:2017 for the application of this Standard in Australia.

This Standard is structured as follows:

- (A) Preface.
- (B) ISO/IEC 11801-6:2017 (unedited from the contents page to the final clause of the source document) and its Corrigendum No. 1 (2018).
- (C) Appendix ZZ lists the variations to ISO/IEC 11801-6:2017 for the application of this Standard in Australia.

As this document has been reproduced from an International Standard, the following applies:

- (a) In the source text “this part of ISO/IEC 11801” should read “this Australian Standard”.
- (b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

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