

AS 11801.1:2019
(Incorporating Amendment No. 1)



Information technology — Generic cabling for customer premises

Part 1: General requirements (ISO/IEC 11801-1:2017, MOD)



AS 11801.1:2019

This Australian Standard™ was prepared by CT-001, Communications Cabling. It was approved on behalf of the Council of Standards Australia on 4 April 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
- Engineers Australia
- KNX National Group
- National Electrical and Communications Association
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Additional Interests

- VTI Services

This Standard was issued in draft form for comment as DR AS/NZS 11801.1:2018.

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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 follows:

AS 11801.1, in conjunction with **AS 11801.2**, supersedes **AS/NZS 3080:2013**, *Information technology—Generic cabling for customer premises (ISO/IEC 11801:2011, MOD)*

AS 11801.1, in conjunction with **AS 11801.3**, supersedes **AS/NZS ISO/IEC 24702:2007**, *Telecommunications installations — Generic cabling — Industrial premises*

AS 11801.1, in conjunction with **AS 11801.4**, supersedes **AS/NZS ISO/IEC 15018:2005**, *Information technology—Generic cabling for homes*

AS 11801.1, in conjunction with **AS 11801.5**, supersedes **AS/NZ ISO/IEC 24764:2012**, *Generic cabling systems for data centres* ^{A1}

AS 11801.1 incorporates Amendment No. 1 (DECEMBER 2022). The start and end of changes introduced by the Amendment are indicated in the text by tags including the Amendment number 1.

Amendment No. 1 to this Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CT-001, Communications Cabling. As a consequence of Amendment No. 1, which is published as an Australian-only amendment, this Standard will be redesignated from **AS/NZS 11801.1** to **AS 11801.1**. ^{A1}

AS 11801.1 The objective of this Standard is to specify requirements that are common to the other parts of the AS 11801 series. ^{A1} Cabling specified by this Standard supports a wide range of services including voice, data, and video that may also incorporate the supply of power.

AS 11801.1 This Standard specifies the following:

- (a) In Australia, the fundamental structure and configuration of generic cabling requirements within the types of premises defined by the other parts of the AS 11801 series.
- (b) Channel transmission and environmental performance requirements.
- (c) Link performance requirements.
- (d) Backbone cabling reference implementations in support of the parts of the AS 11801 series.
- (e) Component performance requirements, referring to available International Standards for components and test methods where appropriate.
- (f) Test procedures to verify conformance to the cabling transmission performance requirements of the AS 11801 series.

A list of all parts in the AS 11801 series can be found in the Standards Australia online catalogue. ^{A1}

This Standard is an adoption with national modifications, and has been reproduced from ISO/IEC 11801-1:2017, *Information Technology — Generic cabling for customer premises — Part 1: General requirements* and its Technical Corrigendum No. 1 (2018). The modifications in [Appendices ZZ](#) and [ZA](#) are additional requirements. [Appendix ZB](#) provides additional information. These appendices have been added at the end of the source text.

This Standard is structured as follows:

- (i) Preface.
- (ii) ISO/IEC 11801-1:2017 (unedited from the contents page to the final clause of the source document) and its Corrigendum No. 1 (2018).

- (iii) [Appendix ZZ](#) lists the variations to ISO/IEC 11801-1:2017 for the application of this Standard in Australia.
- (iv) Appendix ZA provides information on the location of requirements related to modular plug terminated links (MPTL) that were contained in this Standard prior to Amendment No. 1. Requirements for MPTL are now contained within AS 14763.4.
- (v) [Appendix ZB](#) lists other communication cabling standards and regulations.

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.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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