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Information technology – Generic cabling for customer premises – Part 9902: End-to-end link configurations

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ISO/IEC TR 11801-9902, which is a Technical Report, was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This Technical Report has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The list of all currently available parts of the ISO/IEC 11801 series, under the general title *Information technology — Generic cabling for customer premises*, can be found on the IEC website.

INTRODUCTION

One major difference between a standard generic cabling installation and an industrial cabling as also other application areas of cabling is how it is installed. In these areas it is common practice to deploy cabling channels constructed from one or more cords as described in Annex B and Annex C of ISO/IEC 11801-3:—[1]. In addition, the cords are field terminated rather than pre-terminated into plugs elsewhere. As a result, these cords might have problems associated with the termination process which are not identified during channel verification testing in accordance with ISO/IEC 11801-1 since such testing excludes the free connectors at the end of the channel.

This Technical Report provides definitions for, and examples of, such cabling implementations, described as end-to-end (E2E) links. It also provides performance specifications to support Class D and Class E balanced cabling channels of ISO/IEC 11801-1 which include the impact of the terminating connectors that may be used for performance verification using the test method of ISO/IEC 14763-4.

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1 Under preparation. Stage at the time of publication: ISO/IEC FDIS 11801-3:2017.

INFORMATION TECHNOLOGY – GENERIC CABLING FOR CUSTOMER PREMISES –

Part 9902: End-to-end link configurations

1 Scope

This part of ISO/IEC 11801, which is a Technical Report, provides definitions for, and examples of, cabling implementations described as end-to-end (E2E) links.

In addition, this document provides performance specifications to support Class D and Class E balanced cabling channels of ISO/IEC 11801-1. These specifications amend those channel specifications of ISO/IEC 11801-1 by including the impact of the free connectors in accordance with the interfaces specified in ISO/IEC 11801-3 used to terminate the E2E link.

Test methods are provided in ISO/IEC 14763-4.

End-to-end link configurations can include any type of connection.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 11801-1[2], *Information technology – Generic cabling for customer premises – Part 1: General requirements*

ISO/IEC 11801-3[3], *Information technology – Generic cabling for customer premises – Part 3: Industrial premises*

ISO/IEC 14763-4[4], *Information technology – Implementation and operation of customer premises cabling – Part 4: Measurement of end-to-end (E2E)-links*

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2 Under preparation. Stage at the time of publication: ISO/IEC FDIS 11801-1:2017.

3 Under preparation. Stage at the time of publication: ISO/IEC FDIS 11801-3:2017.

4 Under preparation. Stage at the time of publication: ISO/IEC CDV 14763-4:2017.