

SLOVENSKI STANDARD oSIST prEN 50697:2018

01-december-2018

Informacijska tehnologija - Merjenje povezav od konca do konca (E2E)

Information technology - Measurement of end-to-end (E2E) links

Informationstechnik – Messung von Ende-zu-Ende-Verbindungsstrecken

Technologies de l'information - Mesurage des liaisons de bout en bout (E2E)

Ta slovenski standard je istoveten z: prEN 50697

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Information technology - Measurement of end-to-end (E2E) links

Technologies de l'information - Mesurage des liaisons de bout en bout (E2E)

Informationstechnik - Messung von Ende-zu-Ende-Verbindungsstrecken

This draft European Standard is submitted to CENELEC members for enquiry. Deadline for CENELEC: 2019-01-25.

It has been drawn up by CLC/TC 215.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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36 European foreword

This document (prEN 50697:2018) has been prepared by CLC/TC 215 "Electrotechnical aspects of telecommunication equipment", based upon ISO/IEC 14763-4:2018 "Information technology – Implementation and operation of customer premises cabling – Part 4: Measurement of end-to-end (E2E) links".

- 41 This document is currently submitted to the Enquiry/ Primary Questionnaire.
- 42 The following dates are proposed:
 - latest date by which the existence of this document has to be announced at national level
 latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement
 - latest date by which the national standards conflicting with this document have to be withdrawn
 dor + 36 months (to be confirmed or modified when voting)
- 43 NOTE of the TC 215 Secretariat (will be removed before publication): this draft is submitted to CENELEC

44 procedures based upon BT decision 160/C030 as requested by TC 215. Where applicable, references to 45 international documents have been replaced by their European equivalents.

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46 Introduction

Balanced cabling is constructed for connecting equipment using free connectors. It is known that field termination in all parts of the channel has an influence on the channel performance.

49 Poor termination can cause problems in the channel performance and may affect reliable data transmission.

50 Until now, a verification of the field terminated cabling was done by measurement of the channel 51 performance of Channel Class D or E according to EN 50173-1. The measurement of Channel Class D or E 52 excludes the connections at the end of the cable. The measurement of Channel Class D or E does not 53 identify the influence to the performance caused by bad terminations of the connections at the end.

- 54 The measurement of performance of end-to-end (E2E) link includes the termination on both ends of 55 balanced cabling.
- This document describes the measurement of E2E links of two- and four-pair balanced cabling of 100 MHz of Class D and 250 MHz of Class E using laboratory and field tester measurement procedures.
- 58 The performance of E2E links is described in ISO/IEC TR 11801-9902.
- 59 This European Standard is one of a number of documents prepared in support of European Standards and
- 60 Technical Reports on information and communication technology cabling produced by CLC/TC 215.

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