SLOVENSKI STANDARD
SIST EN 50174-1:2009/oprA1:2009

01-december-2009

Informacijska tehnologija - Polaganje kablov - 1. del: Specifikacija in zagotavljanje kakovosti

Information technology - Cabling installation -- Part 1: Installation specification and quality assurance

Informationstechnik - Installation von Kommunikationsverkabelung - Teil 1: Installationsspezifikation und Qualitätssicherung

Technologies de l'information - Installation de câblages -- Partie 1: Spécification de l'installation et assurance de la qualité

Ta slovenski standard je istoveten z: **EN 50174-1:2009/prA1:200X**

ICS:

33.040.50	Vodi, zveze in tokokrogi	Lines, connections and circuits
35.110	Omreževanje	Networking

SIST EN 50174-1:2009/oprA1:2009 **en,de**

EUROPEAN STANDARD

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English version

Information technology - Cabling installation - Part 1: Installation specification and quality assurance

Technologies de l'information - Installation de câblages - Partie 1: Spécification de l'installation et assurance de la qualité

Informationstechnik - Installation von Kommunikationsverkabelung - Teil 1: Installationsspezifikation und Qualitätssicherung

This draft amendment prA1, if approved, will modify the European Standard EN 50174-1:2009; it is submitted to CENELEC members for CENELEC enquiry.
Deadline for CENELEC: 2010-03-26.

It has been drawn up by CLC/TC 215.

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

This draft amendment 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 Central Secretariat has the same status as the official versions.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Project: 21920 Ref. No. EN 50174-1:2009/prA1:2009 E

Foreword

This draft amendment to the European Standard EN 50174-1:2009 was prepared by the Technical Committee CENELEC TC 215, Electrotechnical aspects of telecommunication equipment. It is submitted to the CENELEC enquiry.

This draft amendment comes with

- a new normative Annex E on sampling plans and marginal results;
- simplified administration requirements (see 4.5.2), simplified complexity installation and operational levels (see 6.2) and simplified minimum requirements for technical specifications and quality plans (see Annex A);
- some technical and editorial changes to Clauses 4 and 5.

CLC/TC 215 note:
For the convenience of the reader of this draft, the pertinent tables are reproduced in total, with grey shading of new table cells. Where modifications to text apply to single expressions or a few words only, this is indicated by underlining. Comments are to be addressed to these grey table cells and underlined text, respectively, only.

Text of prA1 to EN 50174-1:2009

Introduction

Replace Table 1 with:

Table 1 – Contextual relationship between EN 50174 series and other standards relevant for information technology cabling systems

Building design phase	**Generic cabling design phase**	**Specification phase**	**Installation phase**	**Operation phase**
EN 50310	**EN 50173 series except EN 50173-4**	**EN 50174-1**		**EN 50174-1**
6. Earthing networks	4: Structure 5: Channel performance 7: Cable requirements 8: Connecting hardware requirements 9: Requirements for cords and jumpers A: Link performance limits	4: Requirements for specifying installations of information technology cabling 5: Requirements for installers of information technology cabling		4: Requirements for specifying installations of information technology cabling
		Planning phase		
	and EN 50173-4	**EN 50174-2**	**EN 50174-2**	
	4 and 5: Structure 6: Channel performance 8: Cable requirements 9: Connecting hardware requirements 10: Requirements for cords and jumpers A: Link performance limits	4: Requirements for planning installations of information technology cabling 6: Segregation of metallic information technology cabling and power supply cabling 7: Electricity distribution systems and lightning protection	5: Requirements for the installation of information technology cabling 6: Segregation of metallic and power supply cabling	
		and EN 50174-3	**and EN 50174-3**	
		and (for equipotential bonding) EN 50310	**and (for equipotential bonding) EN 50310**	
			and EN 50346 4: General requirements 5: Test parameters for balanced cabling 6: Test parameters for optical fibre cabling	

2 Normative references

Modify the reference to EN 50173-1:2007 as follows.

EN 50173-1:2007 + A1:200X [1)] + A2:200X [2)], *Information technology – Generic cabling systems – Part 1: General requirements*

Add the following references:

EN 61935-1:200X [1)], *Specification for the testing of balanced and coaxial information technology cabling -- Part 1: Installed balanced cabling as specified in the standards series EN 50173* (IEC 61935-1:2009, mod.)

ISO/IEC TR 14763-2-1 [3)], *Information technology – Implementation and operation of customer premises cabling – Part 2-1: Planning and installation of copper cabling – Identifiers within administration systems*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

Modify as follows:

3.1.3
building entrance facility
facility that provides all necessary mechanical and electrical services for the entry of telecommunications cables into a building and which may allow for transition from external to internal cable

[EN 50173-1:2007/A2:200X]

3.1.5
cable element
smallest construction unit in a cable

NOTE 1 A cable element may have a screen

NOTE 2 A pair, a quad, a single isolated lead with coaxial screen and a single optical fibre are examples of a cable element.

[EN 50173-1:2007/A2:200X]

Delete definition 3.1.12 and **insert** the following definitions:

3.1.12
fire barrier
fire compartment boundary with appropriate levels of fire performance in order to prevent the spread of fire and its effluent and minimize the extent of loss

3.1.13
fire-stop materials
sealing products that, at all times, take up imperfections of fit or design tolerance between the fire resisting fixed elements of a building and which provide the same fire performance as the fixed elements in order to restrict the passage of fire and smoke

3.1.14
fire-stopping techniques
processes, products and materials that reinstate the original fire rating of a fire barrier

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1) To be published.

2) At draft stage.

3) Under development.