
Informacijska tehnologija - Izgradnja in vzdrževanje kableskega omrežja v prostorih naročnika - 5. del: Trajnostnost

Information technology - Implementation and operation of customer premises cabling - Part 5: Sustainability

Technologies de l'information - Implémentation et fonctionnement du câblage dans les réseaux d'usagers - Partie 5: Durabilité

Ta slovenski standard je istoveten z: prEN ISO/IEC 14763-5:2026

ICS:

13.020.20	Okoljska ekonomija. Trajnostnost	Environmental economics. Sustainability
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

oSIST prEN ISO/IEC 14763-5:2026 **en**

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN ISO/IEC 14763-5

May 2026

ICS 35.200; 13.020.20

English Version

Information technology - Implementation and operation of
customer premises cabling - Part 5: Sustainability
(ISO/IEC 14763-5:2025)

To be completed
(ISO/IEC 14763-5:2025)

To be completed
(ISO/IEC 14763-5:2025)

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2026-07-31.

The text of this draft consists of the text of ISO/IEC 14763-5:2025.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2026 CENELEC All rights of exploitation in any form and by any means reserved worldwide for CENELEC Members.

Project: 83159

Ref. No. prEN ISO/IEC 14763-5:2026 E

prEN ISO/IEC 14763-5:2026 (E)**European foreword**

This document (prEN ISO/IEC 14763-5:2026) consists of the text of document ISO/IEC 14763-5:2025, prepared by SC 25 "Interconnection of information technology equipment" of ISO/IEC JTC 1 "Information technology".

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document (doa) dav + 6 months
has to be announced at national level
- latest date by which this document has to be (dop) dav + 12 months
implemented at national level by publication of an
identical national standard or by endorsement
- latest date by which the national standards (dow) dav + 36 months
conflicting with this document have to be withdrawn (to be confirmed or
modified when voting)

Sample Document

get full document from standards.iteh.ai

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TR 62839-1	-	Environmental declaration - Part 1: Communication wires and cables - Product specific rules	-	-
ISO/IEC 14763-2	2019	Information technology_ - Implementation and operation of customer premises cabling_ - Part_2: Planning and installation	-	-
ISO/IEC/TS 29125	-	Information Technology - Telecommunications cabling requirements for remote powering of terminal equipment	-	-
ISO 11014	-	Safety data sheet for chemical products_ - Content and order of sections	-	-

Sample Document

get full document from standards.iteh.ai



ISO/IEC 14763-5

Edition 1.0 2025-04

INTERNATIONAL STANDARD

Information technology – Implementation and operation of customer premises
cabling –
Part 5: Sustainability

get full document from standards.iteh.ai

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 35.200; 13.020.20

ISBN 978-2-8327-0382-3

Warning! Make sure that you obtained this publication from an authorized distributor.

CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	10
2 Normative references	10
3 Terms, definitions and abbreviated terms	10
3.1 Terms and definitions.....	10
3.2 Abbreviated terms.....	12
4 Conformance.....	12
5 Cabling design.....	12
5.1 Overview.....	12
5.1.1 General	12
5.1.2 Consideration criteria to sustainable cabling systems	13
5.2 Cabling design selection criteria	14
5.3 Considerations for renovation	14
5.4 Reduction of waste materials during the lifetime of the installation	15
5.5 Cabling infrastructure installation planning and practices	15
5.6 Impact of cabling infrastructure on energy requirements	15
5.7 Designing for quality to reduce rework	16
5.8 Balancing sustainability and other considerations	16
5.9 Recommended metrics to evaluate cabling sustainability	16
5.10 Creating sustainability mind-set among stakeholders	16
5.11 Economic aspects of sustainability.....	17
5.12 Transparency of documents for sustainable cabling system	17
6 Selection, packaging and transportation of components and related materials.....	17
6.1 General.....	17
6.2 Selection of components and related material.....	18
6.3 Packaging of components and related material	18
6.4 Transportation of components and related material.....	18
7 Installation, operation and maintenance.....	19
7.1 General.....	19
7.2 Process of installation, maintenance and operation.....	19
7.2.1 General	19
7.3 Installation practices	20
7.3.1 Recommendations for installation practices	20
7.3.2 Pre-installation step requirements.....	20
7.3.3 Installation step	20
7.3.4 Post-installation step	21
7.4 Operation.....	22
7.4.1 Requirements	22
7.4.2 Recommendations	22
7.5 Maintenance	23
7.5.1 Requirements	23
7.5.2 Recommendations	23
8 Management of waste materials	24
8.1 General.....	24
8.2 Cabling waste hierarchy.....	24

8.3	Waste electrical and electronic equipment	25
8.4	Waste assessment.....	25
8.5	Documentation.....	25
8.5.1	Waste management plan	25
8.5.2	Proof of assessment	26
8.5.3	Certificate of recycling	27
8.6	Waste storage and handling.....	27
8.6.1	Storage and handling.....	27
8.6.2	Risks	27
8.7	Waste actions	27
8.7.1	General	27
8.7.2	Reuse.....	28
8.7.3	Repurpose.....	28
8.7.4	Recycle	28
8.7.5	Dispose	29
9	Skill sets and training objectives.....	29
9.1	Overview.....	29
9.1.1	General	29
9.1.2	Needs of stakeholders	29
9.2	Work performance abilities, competencies and skill sets	30
9.3	Generic work performance ability requirements.....	30
9.3.1	General	30
9.3.2	Understanding of and contribution to SDGs	31
9.3.3	Collaboration with stakeholders	31
9.3.4	Education and training	31
9.4	Specialized work performance ability requirements	31
9.4.1	General	31
9.4.2	Understanding of requirements for sustainable cabling systems	32
9.4.3	Approaches for reduction of environmental footprints.....	32
9.4.4	Designing practices	32
9.4.5	Installation management and evaluation practice.....	32
9.4.6	Installation practice.....	33
9.4.7	Operation, management and maintenance of sustainable cabling systems	34
9.5	Best practices, education and training.....	35
9.5.1	Collection and publication of best practices	35
9.5.2	Sustainability specialist for sustainable cabling system and training	35
9.5.3	Criteria and means of evaluation	35
Annex A (informative)	Example of skill sets for work performance.....	37
Annex B (informative)	Example of syllabus	39
Bibliography.....		40
Figure 1 – Schematic representation of cabling standards in system lifecycle		8
Figure 2 – Schematic relationship between ISO/IEC 14763-5 and other relevant standards.....		9
Figure 3 – Process flow from design to disposal		19
Figure 4 – Cabling waste hierarchy		24
Figure 5 – Work performance ability requirements designated for stakeholders		30

Table 1 – Sustainability criteria 13
Table 2 – Aspects valued by stakeholders and satisfaction indexes 29

Sample Document

get full document from standards.iteh.ai

INFORMATION TECHNOLOGY – IMPLEMENTATION AND OPERATION OF CUSTOMER PREMISES CABLING –

Part 5: Sustainability

FOREWORD

- 1) ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.
- 2) The formal decisions or agreements of IEC and ISO on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC and ISO National bodies.
- 3) IEC and ISO documents have the form of recommendations for international use and are accepted by IEC and ISO National bodies in that sense. While all reasonable efforts are made to ensure that the technical content of IEC and ISO documents is accurate, IEC and ISO cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC and ISO National bodies undertake to apply IEC and ISO documents transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC and ISO document and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC and ISO do not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC and ISO marks of conformity. IEC and ISO are not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this document.
- 7) No liability shall attach to IEC and ISO or their directors, employees, servants or agents including individual experts and members of its technical committees and IEC and ISO National bodies for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this ISO/IEC document or any other IEC and ISO documents.
- 8) Attention is drawn to the Normative references cited in this document. Use of the referenced publications is indispensable for the correct application of this document.
- 9) IEC and ISO draw attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC and ISO take no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC and ISO had not received notice of a patent, which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <https://patents.iec.ch> and www.iso.org/patents. IEC and ISO shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 14763-5 has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
JTC1-SC25/3302/FDIS	JTC1-SC25/3313/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1, available at www.iec.ch/members_experts/refdocs and www.iso.org/directives.

A list of all parts in the ISO/IEC 14763 series, published under the general title *Information technology – Implementation and operation of customer premises cabling*, can be found on the IEC website.

Sample Document

get full document from standards.iteh.ai