

SLOVENSKI STANDARD SIST EN IEC 62614-1:2020

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Optična vlakna - Mnogorodovni vzbujalni pogoj - 1. del: Zahteve vzbujalnega pogoja za merjenje mnogorodovnega slabljenja (IEC 62614-1:2020)

Fibre optics - Multimode Launch condition - Part 1: Launch condition requirements for measuring multimode attenuation (IEC 62614-1:2020)

Lichtwellenleiter – Mehrmoden Anregungsbedingungen - Teil 1: Anforderungen an die Anregungsbedingungen für Mehrmoden-Dämpfungsmessungen (IEC 62614-1:2020) (standards.iteh.ai)

Fibres optiques - Exigences des conditions d'injection pour la mesure de l'affaiblissement en multimodal (IEC 62614-1:2020) ai/catalog/standards/sist/2d130797-8f0b-4ae3-bd48-91bd553b46fd/sist-en-iec-62614-1-2020

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Fibres and cables

SIST EN IEC 62614-1:2020

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EUROPEAN STANDARD NORME EUROPÉENNE **EUROPÄISCHE NORM**

EN IEC 62614-1

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ICS 33.180.01

Supersedes EN 62614:2010 and all of its amendments and corrigenda (if any)

English Version

Fibre optics - Multimode launch conditions - Part 1: Launch condition requirements for measuring multimode attenuation (IEC 62614-1:2020)

Fibres optiques - Exigences des conditions d'injection pour la mesure de l'affaiblissement en multimodal (IEC 62614-1:2020)

Lichtwellenleiter - Mehrmoden Anregungsbedingungen -Teil 1: Anforderungen an die Anregungsbedingungen für Mehrmoden-Dämpfungsmessungen (IEC 62614-1:2020)

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

European foreword

The text of document 86C/1625/CDV, future edition 1 of IEC 62614-1, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62614-1:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-04-15 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2023-07-15 document have to be withdrawn

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The text of the International Standard IEC 62614-1:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60793-2-10:2019	NOTE	Harmonized as EN IEC 60793-2-10:2019 (not modified)
IEC 61280-4-1:2019	NOTE	Harmonized as EN IEC 61280-4-1:2019 (not modified)
IEC 61745	NOTE	Harmonized as EN 61745
IEC 61755-6-2	NOTE	Harmonized as EN IEC 61755-6-2

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.cenelec.eu.

Publication	Year	Title	<u>EN/HD</u>	Year
IEC 61280-1-4	iT	Fibre optic communication subsystem test procedures - Part 1-4: General communication subsystems - Light source encircled flux measurement method VIF (standards.iteh.ai)	EN 61280-1-4	-
	https://st	SIST EN IEC 62614-1:2020	-3-hd48-	

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INTERNATIONAL STANDARD



Fibre optics – Multimode launch conditions – **PREVIEW** Part 1: Launch condition requirements for measuring multimode attenuation

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTICS – MULTIMODE LAUNCH CONDITIONS –

Part 1: Launch condition requirements for measuring multimode attenuation

FOREWORD

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International Standard IEC 62614-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This first edition cancels and replaces IEC 62614, published in 2010, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 62614:

- a) increase of the value of the uncertainty attenuation variation coefficient Y for 50 μm core fibre at 1 300 nm, due to launch conditions, to twice the previous value;
- b) changes to 3.4, 5.6, including Table 5, and some references to remain consistent with IEC 61280-4-1:2019;
- c) changes to multimode fibre references to be consistent with IEC 60793-2-10:2019.