

Fibre optics - Multimode launch conditions - Part 1:
Launch condition requirements for measuring
multimode attenuation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62614-1:2020 sisaldab Euroopa standardi EN IEC 62614-1:2020 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62614-1:2020 consists of the English text of the European standard EN IEC 62614-1:2020.
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ICS 33.180.01

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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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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

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-15

This document supersedes EN 62614:2010 and all of its amendments and corrigenda (if any).

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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61280-1-4	-	Fibre optic communication subsystem test procedures - Part 1-4: General communication subsystems - Light source encircled flux measurement method	EN 61280-1-4	-

INTERNATIONAL STANDARD



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



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INTERNATIONAL STANDARD



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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.

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

CDV	Report on voting
86C/1625/CDV	86C/1654A/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

A list of all parts in the IEC 62614 series, published under the general title *Fibre optics – Multimode launch conditions*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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