
Aktivne komponente in naprave optičnih vlaken – Postopki preskušanja in merjenja – 2. del: ATM-PON oddajniki in sprejemniki (IEC 62150-2:2004)

Fibre optic active components and devices - Test and measurement procedures - Part 2: ATM-PON transceivers (IEC 62150-2:2004)

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**Fibre optic active components and devices –
Test and measurement procedures
Part 2: ATM-PON transceivers
(IEC 62150-2:2004)**

Composants et dispositifs actifs à fibres
optiques –
Procédures d'essais et de mesures
Partie 2: Emetteurs-récepteurs ATM-PON
(CEI 62150-2:2004)

Aktive Lichtwellenleiter-Bauteile und -
Bauelemente - Prüf- und Messverfahren
Teil 2: ATM-PON-Sender-Empfänger
(IEC 62150-2:2004)

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86C/624/FDIS, future edition 1 of IEC 62150-2, 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 was approved by CENELEC as EN 62150-2 on 2004-10-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62150-2:2004 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 60617	NOTE	Harmonized in 60617 series (not modified).
IEC 60793	NOTE	Harmonized in 60793 series (not modified).
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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following referenced documents are indispensable for the application 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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61280-1-3	1998	Fibre optic communication subsystem basic test procedures Part 1-3: Test procedures for general communication subsystems - Central wavelength and spectral width measurement	EN 61280-1-3	1999
IEC 61280-2-2	1998	Part 2-2: Test procedures for digital systems - Optical eye pattern, waveform, and extinction ratio	EN 61280-2-2	1999
IEC 62148-6	- 1)	Fibre optic active components and devices - Package and interface standards Part 6: ATM-PON transceivers	EN 62148-6	2003 2)
IEC 62149-5	2003	Fibre optic active components and devices - Performance standards Part 5: ATM-PON transceivers with LD driver and CDR lcs	EN 62149-5	2003
ITU-T Recommendation G.983.1	- 1)	Broadband optical access systems based on Passive Optical Networks (PON)	-	-

1) Undated reference.

2) Valid edition at date of issue.

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Partie 2:

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**Fibre optic active components and devices –
Test and measurement procedures –**

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**Part 2:
ATM-PON transceivers**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
TEST AND MEASUREMENT PROCEDURES –**

Part 2: ATM-PON transceivers

FOREWORD

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International Standard IEC 62150-2 has been prepared by sub-committee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

FDIS	Report on voting
86C/624/FDIS	86C/633/RVD

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

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

IEC 62150 consists of the following parts, under the general title *Fibre optic active components and devices – Test and measurement procedures*:

Part 1: General and Guidance¹⁾

Part 2: ATM-PON transceivers

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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¹⁾ To be published.

INTRODUCTION

This International Standard specifies testing and measuring procedures for optoelectronic properties of asynchronous-transfer-mode passive optical network (ATM-PON) transceivers. The package interface dimensions and optoelectronic performance of the transceivers are defined in IEC 62148-6 and IEC 62149-5, respectively.

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