

STN	Základné skúšobné postupy pre optické vláknové komunikačné podsystemy. Časť 1-1: Skúšobné postupy pre všeobecné komunikačné podsystemy. Meranie výstupného optického výkonu vysielača pre jednoovidové optické káble.	STN EN 61280-1-1 35 9270
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: EN 61280-1-1:2013, IEC 61280-1-1:2013

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61280-1-1

August 2013

ICS 33.180.01

Supersedes EN 61280-1-1:1998

English version

**Fibre optic communication subsystem basic test procedures -
Part 1-1: Test procedures for general communication subsystems -
Transmitter output optical power measurement
for single-mode optical fibre cable
(IEC 61280-1-1:2013)**

Procédures d'essai de base des sous-systèmes de télécommunication à fibres optiques -
Partie 1-1: Procédures d'essai des sous-systèmes généraux de télécommunication - Mesure de la puissance optique des émetteurs couplés à des câbles à fibres optiques unimodales
(CEI 61280-1-1:2013)

Lichtwellenleiter-Kommunikationsuntersysteme -
Grundlegende Prüfverfahren -
Teil 1-1: Prüfverfahren für allgemeine Kommunikationsuntersysteme -
Messung der Senderausgangsleistung für Einmoden-LWL-Kabel
(IEC 61280-1-1:2013)

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CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86C/1065/CDV, future edition 2 of IEC 61280-1-1, 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 61280-1-1:2013.

The following dates are fixed:

- latest date by which the document has to be (dop) 2014-03-25
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2016-06-25
standards conflicting with the
document have to be withdrawn

This document supersedes EN 61280-1-1:1998.

EN 61280-1-1:2013 includes the following significant technical changes with respect to EN 61280-1-1:1998:

- inclusion of Annex A on how to account for uncertainties;
- editorial corrections throughout the document and updates to references.

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When 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 61300-3-35	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Fibre optic connector endface visual and automated inspection	EN 61300-3-35	-
IEC 61315	-	Calibration of fibre-optic power meters	EN 61315	-



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Edition 2.0 2013-05

INTERNATIONAL STANDARD

**Fibre optic communication subsystem basic test procedures –
Part 1-1: Test procedures for general communication subsystems – Transmitter
output optical power measurement for single-mode optical fibre cable**



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Edition 2.0 2013-05

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**Fibre optic communication subsystem basic test procedures –
Part 1-1: Test procedures for general communication subsystems – Transmitter
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INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC COMMUNICATION SUBSYSTEM
BASIC TEST PROCEDURES –****Part 1-1: Test procedures for general communication subsystems –
Transmitter output optical power measurement
for single-mode optical fibre cable**

FOREWORD

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International Standard IEC 61280-1-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 1998. This second edition constitutes a technical revision. The significant technical change with respect to the previous edition is the inclusion of Annex A on how to account for uncertainties. There are editorial corrections throughout the document and updates to references.

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

CDV	Report on voting
86C/1065/CDV	86C/1098/RVC

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.

A list of all parts in the IEC 61280 series, published under the general title *Fibre optic communication subsystem basic test procedures*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability 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
- amended.

A bilingual version of this publication may be issued at a later date.

FIBRE OPTIC COMMUNICATION SUBSYSTEM BASIC TEST PROCEDURES –

Part 1-1: Test procedures for general communication subsystems – Transmitter output optical power measurement for single-mode optical fibre cable

1 Scope and object

This part of IEC 61280 applies to fibre optic general communication subsystems. The object of this part is to measure the optical power coupled from the output of a transmitter under test into single-mode optical fibre cable containing dispersion-unshifted fibre or dispersion-shifted fibre.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61300-3-35, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-35: Examinations and measurements – Fibre optic connector endface visual and automated inspection*

IEC 61315, *Calibration of fibre-optic power meters*

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