



**NSAI**  
Standards

Irish Standard  
I.S. EN 61280-4-4:2017

# Fibre optic communication subsystem test procedures - Part 4-4: Cable plants and links - Polarization mode dispersion measurement for installed links

**I.S. EN 61280-4-4:2017**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

EN 61280-4-4:2017

*Published:*

2017-08-18

*This document was published under the authority of the NSAI and comes into effect on:*

2017-09-05

ICS number:

33.180.01

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 61280-4-4:2017 is the adopted Irish version of the European Document EN 61280-4-4:2017, Fibre optic communication subsystem test procedures - Part 4-4: Cable plants and links - Polarization mode dispersion measurement for installed links

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

EUROPEAN STANDARD

**EN 61280-4-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2017

ICS 33.180.01

Supersedes EN 61280-4-4:2006

English Version

**Fibre optic communication subsystem test procedures -  
Part 4-4: Cable plants and links - Polarization mode dispersion  
measurement for installed links  
(IEC 61280-4-4:2017)**

Procédures d'essai des sous-systèmes de  
télécommunication à fibres optiques - Partie 4-4: Installation  
de câbles et liens - Mesure de la dispersion de mode  
polarisation pour les liaisons installées  
(IEC 61280-4-4:2017)

Prüfverfahren für Lichtwellenleiter-  
Kommunikationsunterssysteme - Teil 4-4: Kabelnetze und  
Übertragungsstrecken - Messung der  
Polarisationsmodendispersion von installierten  
Übertragungsstrecken  
(IEC 61280-4-4:2017)

This European Standard was approved by CENELEC on 2017-04-11. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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**

**EN 61280-4-4:2017****European foreword**

The text of document 86C/1378/CDV, future edition 2 of IEC 61280-4-4, 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 61280-4-4:2017.

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) 2018-02-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-08-18

This document supersedes EN 61280-4-4:2006.

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

EN 61280-4-4:2017 includes the following significant technical changes with respect to EN 61280-4-4:2006:

- a) theory is removed and replaced with a reference to IEC/TR 61282-9;
- b) a new method, wavelength scanning OTDR and SOP analysis (WSOSA), is added as Annex G;
- c) a brief description of each method is added to Clause 5;
- d) Methods E and F are converted to informative Annexes E and F;
- e) a new Clause (6) on measurement configurations is added;
- f) a new Clause (7) on measurement considerations is added;
- g) Clause 10 on procedure is expanded;
- h) several of the apparatus diagrams are improved;
- i) several clarifications about what is measured and what is calculated have been made in Annex H.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

**Endorsement notice**

The text of the International Standard IEC 61280-4-4:2017 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 60793-1-48:2003 | NOTE | Harmonized as EN 60793-1-48:2003 <sup>1)</sup> (not modified). |
| IEC 60793-1-48:2007 | NOTE | Harmonized as EN 60793-1-48:2007 (not modified).               |
| IEC 60793-2-50      | NOTE | Harmonized as EN 60793-2-50.                                   |
| IEC 61280-4-4:2006  | NOTE | Harmonized as EN 61280-4-4:2006 (not modified).                |
| IEC 61290-11-1      | NOTE | Harmonized as EN 61290-11-1.                                   |
| IEC 61290-11-2      | NOTE | Harmonized as EN 61290-11-2.                                   |
| IEC 61300-3-32      | NOTE | Harmonized as EN 61300-3-32.                                   |

<sup>1)</sup> Superseded by EN 60793-1-48:2007 (IEC 60793-1-48:2007).

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-