



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61746:2005

ICS 33.180.01

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CALIBRATION OF OPTICAL TIME-DOMAIN

REFLECTOMETERS (OTDR) (IEC 61746:2004)

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 61746

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 33.180.01

Supersedes EN 61746:2001

English version

Calibration of optical time-domain reflectometers (OTDR)
(IEC 61746:2004)

Etalonnage des réflectomètres optiques
dans le domaine de temps (OTDR)
(CEI 61746:2004)

Kalibrierung optischer
Rückstreuungsmessgeräte (OTDR)
(IEC 61746:2004)

This European Standard was approved by CENELEC on 2005-02-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

The text of document 86/230/FDIS, future edition 2 of IEC 61746, prepared by IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61746 on 2005-02-01.

This European Standard supersedes EN 61746:2001.

Specific changes to EN 61746:2001 include the development of Clause 9, "Reflectance calibration", and the introduction of Annexes E, F and G.

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) 2005-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61746:2005 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 60825-1	NOTE	Harmonized as EN 60825-1:1994 (not modified).
IEC 60825-2	NOTE	Harmonized as EN 60825-2:2004 (not modified).
IEC 61300-3-6	NOTE	Harmonized as EN 61300-3-6:2003 (not modified).

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 60793-1	Series	Optical fibres Part 1: Measurement methods and test procedures	EN 60793-1	Series
IEC 60793-1-40 (mod)	- ¹⁾	Optical fibres Part 1-40: Measurement methods and test procedures – Attenuation	EN 60793-1-40	2003 ²⁾
IEC 60794-1-2	- ¹⁾	Optical fibre cables Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	2003 ²⁾
IEC 61300-3-2	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic tests and measurement procedures Part 3-2: Examinations and measurements - Polarization dependence of attenuation in a single-mode fibre optic device	EN 61300-3-2	1999 ²⁾
ITU-T Recommendation G.650.1	2004	Definitions and test methods for linear, deterministic attributes of single-mode fibre and cable	-	-
ITU-T Recommendation G.650.2	2002	Definitions and test methods for statistical and non-linear attributes of single-mode fibre and cable	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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