SLOVENSKI STANDARD
SIST EN 61756-1:2006

01-oktober-2006

Povezovalne naprave in pasivne komponente optičnih vlaken – Vmesniški standard za sisteme upravljanja z optičnimi kabli – 1. del: Splošno in napotki (IEC 61756-1:2006)

Fibre optic interconnecting devices and passive components - Interface standard for fibre management systems -- Part 1: General and guidance

Lichtwellenleiter Verbindungselemente und passive Bauteile - Schnittstellennorm für Einzelfasermanagementsysteme -- Teil 1: Allgemeines und Leitfaden

Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme d'interface pour les systèmes de gestion de fibres -- Partie 1: Généralités et lignes directrices

Ta slovenski standard je istoveten z: **EN 61756-1:2006**

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EUROPÄISCHE NORM

EN 61756-1

July 2006

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English version

Fibre optic interconnecting devices and passive components - Interface standard for fibre management systems Part 1: General and guidance

(IEC 61756-1:2006)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme d'interface pour les systèmes de gestion de fibres
Partie 1: Généralités et lignes directrices
(CEI 61756-1:2006)

Lichtwellenleiter Verbindungselemente und passive Bauteile - Schnittstellennorm für Einzelfasermanagementsysteme
Teil 1: Allgemeines und Leitfaden
(IEC 61756-1:2006)

This European Standard was approved by CENELEC on 2006-06-01. 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.

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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.

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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

Ref. No. EN 61756-1:2006 E

Foreword

The text of document 86B/2283/FDIS, future edition 1 of IEC 61756-1, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61756-1 on 2006-06-01.

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)	2007-03-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61756-1:2006 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 60794-2	NOTE Harmonized as EN 60794-2:2003 (not modified).
IEC 60794-3	NOTE Harmonized as EN 60794-3:2002 (not modified).
IEC 62134-1	NOTE Harmonized as EN 62134-1:2002 (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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60793-2	-[1)]	Optical fibres Part 2: Product specifications - General	EN 60793-2	2004[2)]

[1)] Undated reference.

[2)] Valid edition at date of issue.

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Dispositifs d'interconnexion et composants passifs à fibres optiques – Norme d'interface pour les systèmes de gestion de fibres –

Partie 1: Généralités et lignes directrices

Fibre optic interconnecting devices and passive components – Interface standard for fibre management systems –

Part 1: General and guidance

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Международная Электротехническая Комиссия

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – INTERFACE STANDARD FOR FIBRE MANAGEMENT SYSTEMS –

Part 1: General and guidance

FOREWORD

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International Standard IEC 61756-1 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86B/2283/FDIS	86B/2316/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 61756 consists of the following parts, under the general title *Fibre optic interconnecting devices and passive components – Interface standard for fibre management systems*:

Part 1: General and guidance

Part 2-1: Single circuit management system (under consideration)

Part 2-2: Single element management system (under consideration)

Part 2-3: Multiple element management system (under consideration)

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
- amended.

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – INTERFACE STANDARD FOR FIBRE MANAGEMENT SYSTEMS –

Part 1: General and guidance

1 Scope

This part of IEC 61756 covers general information on the subject of fibre management system (FMS) interfaces. It includes references, document structure details, definitions and the rules under which a FMS interface is created.

This interface standard defines a fibre management system which is part of an optical network. It provides facilities for the direct exchange of optical signals between the incoming and outgoing fibre optic cables. In order to comply with the standard, the optical functionality, physical, geometrical and mechanical requirements shall be met.

These facilities comprise functional and installation aspects for fibres or ribbons like storage, fibre routing, identification, interconnection, reconfiguration, application of passive and active components, protection and traceability.

The fibre management system allows different degrees of physical separation of optical circuits. This is in order to reduce the risk of disturbing other circuits that do not belong to the same group as the ones that are to be manipulated.

Depending on the grouping, guiding and splicing of the fibres from incoming and outgoing cables, the fibre management system can be a single circuit, a single element or a multiple element management system. Single circuit management describes a management system where one or more fibres of a cable element are spliced and/or stored in individual trays. Single element management describes a management system where all fibres of a cable element are spliced and/or stored in individual trays. Multiple element management describes a management system where fibres from more than one cable element are spliced and/or stored in individual trays.

The fibre management system shall be independent from one specific application or housing. It is designed in a way to allow the use for several applications in different housings, e.g. a single circuit management system can be used in a closure, enclosure and open rack.

This specification is related to both singlemode and multimode fibres.

To fulfil the mentioned functions, a fibre management system is normally integrated in an enclosure, e.g. a closure, case or cabinet or it is part of an open access system like an optical distribution frame or rack.