



# SLOVENSKI STANDARD SIST EN 61290-11-1:2008

01-oktober-2008

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Optical amplifier - Test methods - Part 11-1: Polarization mode dispersion - Jones matrix eigenanalysis (JME) (IEC 61290-11-1:2008)

Prüfverfahren für Lichtwellenleiter-Verstärker - Teil 11-1:  
Polarisationsmodendispersionsparameter - Jones-Matrix-Eigenanalyse (JME) (IEC  
61290-11-1:2008)

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Amplificateurs optiques - Méthodes d'essais - Partie 11-1: Dispersion du mode de  
polarisation - Analyse des vecteurs propres de la matrice de Jones (JME) (CEI 61290-11  
-1:2008)

Ta slovenski standard je istoveten z: EN 61290-11-1:2008

**ICS:**

33.180.30 U] cã } ã ð æ ^ ç ð } ã ã Optic amplifiers

**SIST EN 61290-11-1:2008 en,fr**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61290-11-1**

August 2008

ICS 33.180.30

Supersedes EN 61290-11-1:2003

English version

**Optical amplifiers -  
Test methods -  
Part 11-1: Polarization mode dispersion parameter -  
Jones matrix eigenanalysis (JME)  
(IEC 61290-11-1:2008)**

Amplificateurs optiques -  
Méthodes d'essais -  
Partie 11-1: Paramètre de dispersion  
du mode de polarisation -  
Analyse des vecteurs propres  
de la matrice de Jones (JME)  
(CEI 61290-11-1:2008)

Prüfverfahren für  
Lichtwellenleiter-Verstärker -  
Teil 11-1: Polarisationsmoden-  
dispersionsparameter -  
Jones-Matrix-Eigenanalyse (JME)  
(IEC 61290-11-1:2008)

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This European Standard was approved by CENELEC on 2008-06-01. 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.

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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**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/752/CDV, future edition 2 of IEC 61290-11-1, prepared by SC 86C, Fibre optic systems and active devices, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61290-11-1 on 2008-06-01.

This European Standard supersedes EN 61290-11-1:2003.

EN 61290-11-1:2008 specifically addresses additional types of optical amplifiers and also includes updated references.

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) 2009-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-06-01

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 61290-11-1:2008 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

		<u>SIST EN 61290-11-1:2008</u>	
IEC 60793-1-1	NOTE	Harmonized as EN 60793-1-1:2003 (not modified).	<a href="https://standards.iteh.ai/catalog/standards/sist/61290-11-1-2008">https://standards.iteh.ai/catalog/standards/sist/61290-11-1-2008</a>
IEC 60825-1	NOTE	Harmonized as EN 60825-1:2007 (not modified).	
IEC 60825-2	NOTE	Harmonized as EN 60825-2:2004 (not modified).	
IEC 60874-1	NOTE	Harmonized as EN 60874-1:2007 (not modified).	
IEC 61291-1	NOTE	Harmonized as EN 61291-1:2006 (not modified).	
IEC 61291-4	NOTE	Harmonized as EN 61291-4:2003 (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 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/TR 61282-9	2006	Fibre optic communication system design guides - Part 9: Guidance on polarization mode dispersion measurements and theory	–	–
IEC/TR 61292-5	2004	Optical amplifiers - Part 5: Polarization mode dispersion parameter - General information	–	–

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IEC 61290-11-1

Edition 2.0 2008-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Optical amplifiers – Test methods –  
Part 11-1: Polarization mode dispersion parameter – Jones matrix eigenanalysis  
(JME)**

**Amplificateurs optiques – Méthodes d'essais –  
Partie 11-1: Paramètre de dispersion du mode de polarisation – Analyse des  
vecteurs propres de la matrice de Jones (JME)**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**OPTICAL AMPLIFIERS –  
TEST METHODS –**
**Part 11-1: Polarization mode dispersion parameter –  
Jones matrix eigenanalysis (JME)**

## FOREWORD

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International Standard IEC 61290-11-1 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 2003, and is a technical revision that specifically addresses additional types of optical amplifiers. It also includes updated references.

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

CDV	Report on voting
86C/752/CDV	86C/786/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.