

Optical amplifiers - Test methods - Part 4-3: Power transient parameters - Single channel optical amplifiers in output power control

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 61290-4-3:2018 sisaldab Euroopa standardi EN IEC 61290-4-3:2018 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 61290-4-3:2018 consists of the English text of the European standard EN IEC 61290-4-3:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 13.07.2018.	Date of Availability of the European standard is 13.07.2018.
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English Version

**Optical amplifiers - Test methods - Part 4-3: Power transient  
parameters - Single channel optical amplifiers in output power  
control  
(IEC 61290-4-3:2018)**

Amplificateurs optiques - Méthodes d'essai - Partie 4-3:  
Paramètres de puissance transitoire - Amplificateurs  
optiques monocanaux commandés par la puissance de  
sortie  
(IEC 61290-4-3:2018)

Optische Verstärker - Prüfverfahren - Teil 4-3: Leistungs-  
Transientenkenngößen von Ein-Kanal-LWL-Verstärkern  
mit Ausgangs-Leistungskontrolle  
(IEC 61290-4-3:2018)

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## European foreword

The text of document 86C/1505/FDIS, future edition 2 of IEC 61290-4-3, prepared by subcommittee 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 IEC 61290-4-3:2018.

The following dates are fixed:

- latest date by which the document has to be (dop) 2019-03-01  
implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2021-06-01  
standards conflicting with the  
document have to be withdrawn

This document supersedes EN 61290-4-3:2015.

This edition constitutes a technical revision, including the following technical change with respect to the previous 2015 edition: alignment of the measurement of amplified spontaneous emission (ASE) relative to signal power with definition given in EN 61290-3-3.

This European Standard is to be used in conjunction with EN 61291-1:2012.

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## Endorsement notice

The text of the International Standard IEC 61290-4-3:2018 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 61290-3-3	NOTE	Harmonized as EN 61290-3-3.
IEC 61290-4-1	NOTE	Harmonized as EN 61290-4-1.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61291-1	-	Optical amplifiers - Part 1: Generic specification	EN IEC 61291-1	-

## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references .....	5
3 Terms, definitions and abbreviated terms .....	6
3.1 Terms and definitions.....	6
3.2 Abbreviated terms.....	7
4 Apparatus.....	8
4.1 Test set-up .....	8
4.2 Characteristics of test equipment .....	8
5 Test sample.....	9
6 Procedure.....	9
6.1 Test preparation.....	9
6.2 Test .....	10
7 Calculations.....	10
8 Test results .....	11
8.1 Test setting conditions .....	11
8.2 Test data .....	12
Annex A (informative) Overview of power transient events in single channel EDFA.....	13
A.1 Background.....	13
A.2 Characteristic input power behaviour .....	13
A.3 Parameters for characterizing transient behaviour .....	16
Annex B (informative) Background on power transient phenomena in a single channel EDFA.....	17
B.1 Amplifier chains in optical networks .....	17
B.2 Typical optical amplifier design .....	17
B.3 Approaches to address detection errors .....	19
Annex C (informative) Slew rate effect on transient gain response .....	23
Bibliography.....	24
Figure 1 – Power transient test set-up.....	8
Figure 2 – OA output power transient response of a) input power increase and b) decrease.....	11
Figure A.1 – Example OA input power transient cases for a receiver application.....	14
Figure A.2 – Input power measurement parameters .....	15
Figure A.3 – OA output power transient response .....	16
Figure B.1 – Transient response to input power drop .....	21
Figure B.2 – Transient response to input power rise .....	22
Table 1 – Template for transient control measurement test conditions .....	10

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**OPTICAL AMPLIFIERS – TEST METHODS –****Part 4-3: Power transient parameters –  
Single channel optical amplifiers in output power control**

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International Standard IEC 61290-4-3 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 2015. This edition constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition: alignment of the measure of amplified spontaneous emission (ASE) relative to signal power with the definition in IEC 61290-3-3.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
86C/1505/FDIS	86C/1512/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This International Standard is to be used in conjunction with IEC 61291-1:2012.

A list of all parts of the IEC 61290 series, published under the general title *Optical amplifiers – Test methods*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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