SLOVENSKI STANDARD
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Fibre optic active components and devices - Test and measurement procedures - Part 5: Wavelength channel tuning time of tuneable transmitters (IEC 62150-5:2017)

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Fibre optic active components and devices - Test and measurement procedures - Part 5: Wavelength channel tuning time of tuneable transmitters (IEC 62150-5:2017)

Composants et dispositifs actifs à fibres optiques - Procédures d'essais et de mesures - Partie 5: Durée d'accordement des émetteurs accordables en longueur d'onde (IEC 62150-5:2017)

Aktive Lichtwellenleiter-Bauteile und -Bauelemente - Prüf- und Messverfahren - Teil 5: Wellenlängenkanal-Abstimmzeit von abstimmbaren Sendern (IEC 62150-5:2017)

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 86C/1440/FDIS, future edition 1 of IEC 62150-5, 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 62150-5:2017.

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)	2018-03-15
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IEC 60191 Series	NOTE	Harmonized as EN 60191 Series.
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Part 5: Wavelength channel tuning time of tuneable transmitters

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Partie 5: Durée d'accordement des émetteurs accordables en longueur d'onde

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FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES – TEST AND MEASUREMENT PROCEDURES –

Part 5: Wavelength channel tuning time of tuneable transmitters

FOREWORD

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International Standard IEC 62150-5 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

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FDIS	Report on voting
86C/1440/FDIS	86C/1445/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.

A list of all parts in the IEC 62150 series, published under the general title *Fibre optic active components and devices – Test and measurement procedures*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website 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.

INTRODUCTION

This part of IEC 62150 specifies testing and measurement procedures for the wavelength channel tuning time of a tuneable transmitter. In a multiple-wavelength network, such as described in the ITU-T G.989 series, the tuneable transmitter is controlled to change its output wavelength during its operation. In order to provide different use cases, the tuneable transmitters are categorized into several wavelength channel tuning time classes. The test and measurement procedures of the wavelength channel tuning time are established to guarantee interoperability.