

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic active components and devices – Performance standards –
Part 3: Modulator-integrated laser diode transmitters for 2,5-Gbit/s to 40-Gbit/s
fibre optic transmission systems**

**Composants et dispositifs actifs à fibres optiques – Normes de performances –
Partie 3: Emetteurs à diodes laser a modulateur intégré pour des systèmes de
transmission à fibres optiques de 2,5 Gbit/s à 40 Gbit/s**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PERFORMANCE STANDARDS –****Part 3: Modulator-integrated laser diode transmitters
for 2,5-Gbit/s to 40-Gbit/s fibre optic transmission systems**

FOREWORD

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International Standard IEC 62149-3 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 2004 and constitutes a technical revision.

The significant technical change with respect to the previous edition is as follows:

The performance standards covered by this standard are now extended to a 40 Gb/s-class system from their original 2,5 Gb/s.

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

CDV	Report on voting
86C/1157/CDV	86C/1230/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.

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

A list of all parts of the IEC 62149 series, published under the general title *Fibre optic active components and devices – Performance standards*, 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 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- withdrawn,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.

Withdrawn

INTRODUCTION

Fibre optic transmitters are used to convert electrical signals into optical signals. This part of IEC 62149 covers the performance standard for optical modulators monolithically integrated with laser diodes for 2,5 Gbit/s to 40 Gbit/s multi-channel optical telecommunication systems.

Withdrawn