

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic active components and devices – Performance standards –
Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application**

**Composants et dispositifs actifs à fibres optiques – Normes de
fonctionnement –
Partie 4: Emetteurs-récepteurs à fibres optiques de 1 300 nm pour application
Gigabit Ethernet**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PERFORMANCE STANDARDS –**
**Part 4: 1 300 nm fibre optic transceivers
for Gigabit Ethernet application**

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International Standard IEC 62149-4 has been prepared by subcommittee 86C: Fibre optic active devices, of IEC technical committee 86: Fibre optics.

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

CDV	Report on voting
86C/912/CDV	86C/949/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 second edition cancels and replaces the first edition published in 2003. It constitutes a technical revision that includes changes and additions to the performance tables reflecting new technology.

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

A list of all parts of 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- withdrawn,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Withdrawn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 transceivers are used to convert electrical signals into optical signals and vice versa. This specification covers the performance standard for 1 300 nm fibre optic transceivers for Gigabit Ethernet application. The ISO/IEC 8802-3 Gigabit Ethernet standard is used as the basis for determining the optical characteristics of the transceiver, which operates with a line rate of 1,25 Gbit/s.

Withdrawn