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SECRETARIAT: United States of America	SECRETARY: Mr Fred Heismann
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
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TITLE:

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

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

FOREWORD

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IEC 62149-3 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2020 and Corrigendum 1:2021. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) specification of pull force for fibre pull test in Table 6 according to fibre type;
- b) change of symbol for kink free radiant power in Table 4 and Table 5;
- c) replacement of undefined symbols in Table 7;
- d) addition of IEC 62149-1 as a normative reference;
- e) addition of four ITU-T Recommendations in the Bibliography.

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

FDIS	Report on voting
86C/xxxx/FDIS	86C/xxxx/RVD

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90 Full information on the voting for its approval can be found in the report on voting indicated in the
91 above table.

92 The language used for the development of this International Standard is English.

93 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
94 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
95 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
96 described in greater detail at www.iec.ch/standardsdev/publications.

97 A list of all parts in the IEC 62149 series, published under the general title *Fibre optic active*
98 *components and devices – Performance standards*, can be found on the IEC website.

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

- 102 • reconfirmed,
- 103 • withdrawn,
- 104 • replaced by a revised edition, or
- 105 • amended.

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