

STN	Skúšobné postupy pre optické vláknové komunikačné podsystemy Digitálne systémy Časť 2-8: Stanovenie nízkej bitovej poruchovosti pomocou merania činiteľa kvality	STN EN IEC 61280-2-8 35 9270
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Fibre optic communication subsystem test procedures - Part 2-8: Digital systems - Determination of low BER using Q-factor measurements

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Fibre optic communication subsystem test procedures - Part 2-8:
Digital systems - Determination of low BER using Q-factor
measurements
(IEC 61280-2-8:2021)**

Procédures d'essai des sous-systèmes de télécommunications fibroniques - Partie 2-8: Systèmes numériques - Détermination de faibles valeurs de BER en utilisant des mesures du facteur Q
(IEC 61280-2-8:2021)

Prüfverfahren für Lichtwellenleiter-Kommunikationsuntersysteme - Teil 2-8: Digitale Systeme - Bestimmung von geringen Bitfehlerraten (BER) mit Hilfe von Q-Faktor Messungen
(IEC 61280-2-8:2021)

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EN IEC 61280-2-8:2021 (E)**European foreword**

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IEC 61281-1 NOTE Harmonized as EN IEC 61281-1



IEC 61280-2-8

Edition 2.0 2021-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Fibre optic communication subsystem test procedures –
Part 2-8: Digital systems – Determination of low BER using Q-factor
measurements**

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utilisant des mesures du facteur Q**



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FIBRE OPTIC COMMUNICATION SUBSYSTEM TEST PROCEDURES –

Part 2-8: Digital systems – Determination of low BER using Q-factor measurements

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This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision.

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

- a) correction of errors in Formula (8) in 5.5.2 and in a related formula in 5.5.3;
- b) correction of errors in the references to clauses, subclauses, figures, procedures, and in the Bibliography;
- c) alignment of the terms and definitions in 3.1 with those in IEC 61281-1.

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

FDIS	Report on voting
86C/1708/FDIS	86C/1711/RVD

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

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

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

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FIBRE OPTIC COMMUNICATION SUBSYSTEM TEST PROCEDURES –

Part 2-8: Digital systems – Determination of low BER using Q-factor measurements

1 Scope

This part of IEC 61280 specifies two main methods for the determination of low BER values by making accelerated measurements. These include the variable decision threshold method (Clause 5) and the variable optical threshold method (Clause 6). In addition, a third method, the sinusoidal interference method, is described in Annex B.

2 Normative references

There are no normative references in this document.

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