

# INTERNATIONAL STANDARD

# IEC 61300-2-17

Second edition  
2003-02

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## **Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –**

### **Part 2-17: Tests – Cold**

*Dispositifs d'interconnexion et composants passifs  
à fibres optiques –  
Méthodes fondamentales d'essais et de mesures –*

*Partie 2-17:  
Essais – Froid*

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES  
AND PASSIVE COMPONENTS –  
BASIC TEST AND MEASUREMENT PROCEDURES –**

**Part 2-17: Tests – Cold**

FOREWORD

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International Standard IEC 61300-2-17 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 1995. It constitutes a technical revision.

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

FDIS	Report on voting
86B/1777/FDIS	86B/1831/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.

IEC 61300 consists of the following parts, under the general title: *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*:

- Part 1: General and guidance
- Part 2: Tests
- Part 3: Examinations and measurements

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

# **FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –**

## **Part 2-17: Tests – Cold**

### **1 Scope**

This part of IEC 61300 details a procedure for determining the suitability of a fibre optic device to withstand environmental conditions of extended low temperature (cold), which may occur in use, storage and/or transport. This procedure does not assess the ability of a device to operate during temperature variations; in this case, IEC 61300-2-22 would be used.

### **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-1, *Environmental testing – Part 2: Tests – Test A: Cold*

IEC 61300-2-22, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-22: Tests – Change of temperature*