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INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 2-33: Tests – Assembly and disassembly of fibre optic mechanical splices, fibre management systems and closures**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references.....	5
3 Terms and definitions	5
4 General description.....	6
5 Procedure.....	6
5.1 Preparation of the specimen	6
5.2 Test procedures	6
5.2.1 Procedure A: Re-installation of an optical mechanical splice after disassembly.....	6
5.2.2 Procedure B: Optical stability during product reconfiguration	6
5.2.3 Procedure C: Sealing performance after frequent opening and closing of the enclosures	7
5.2.4 Ageing procedure.....	7
5.3 Severity	9
6 Details to be specified.....	9
Annex A (informative) Installation and intervention procedure for closure – optical stability	10
Bibliography	11
Table 1 – Ageing procedure between two cycles of assembly and disassembly of fibre optic mechanical splices and closures	8
Table 2 – Number of assembly/disassembly cycles for different operating environments	9

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FOREWORD

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International Standard IEC 61300-2-33 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: the inclusion of fibre management system and ancillary passive and active components as well as cable management system for the incoming and outgoing optical cables.

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

CDV	Report on voting
86B/3330/CDV	86B/3406/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.

The list of all parts in the IEC 61300 series, published under the general title, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*, 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.

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 2-33: Tests – Assembly and disassembly of fibre optic mechanical splices, fibre management systems and closures

1 Scope

This part of the IEC 61300 series, evaluates the assembly and reassembly of a fibre optic mechanical splice, a fibre management system or a closure for a specified number of times.

The test procedures simulate the following conditions which may be encountered during the component's service lifetime:

- the ability of an optical mechanical splice to be re-installed after disassembly;
- the ability to re-enter fibre management systems and closures, by accessing fibres and optical components and making reconfigurations without disturbing transmission in adjacent fibre circuits;
- verification of the sealing performance after frequent opening and closing of enclosures.

2 Normative references

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

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

IEC 61300-3-28, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-28: Examinations and measurements – Transient loss*

IEC 61753-1, *Fibre optic interconnecting devices and passive components – Part 1: General and guidance for performance standards*