

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Calibration of fibre optic chromatic dispersion test sets**

**Étalonnage des ensembles d'essai de la dispersion chromatique fibronique**





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**CALIBRATION OF FIBRE OPTIC CHROMATIC  
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IEC 61744 has been prepared by IEC technical committee 86: Fibre optics. It is an International Standard.

This third edition cancels and replaces the second edition published in 2005. This edition constitutes a technical revision.

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

- a) updated terms and definitions;
- b) the use of a reference fibre standard for calibration is now allowed and at the same level as the other calibration method;
- c) Annex B was split into a new Annex B (on calibration uncertainty, still normative) and a new Annex C (on uncertainty at operating conditions, informative);
- d) removed former C.3.4 on interferometric method since this method is no longer supported in IEC 60793-1-42;
- e) removed Annex D and other references in text to calibration compensation to align with other calibration documents;

- f) removed Annex E and other references in text to use of air wavelength since it is not used in the fibre domain.

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

Draft	Report on voting
86/615/FDIS	86/617/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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