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Fibre optics - Launch condition requirements for measuring multimode attenuation

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FOREWORD

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IEC-PAS 62614 has been processed by IEC technical committee 86: Fibre optics.

The text of this PAS is based on the following document:	This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document
Draft PAS	**Report on voting**
86/320/PAS	86/324/RVD

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FIBRE OPTICS – LAUNCH CONDITION REQUIREMENTS FOR MEASURING MULTIMODE ATTENUATION

1 Scope

This Publicly Available Specification (PAS) describes the launch condition requirements used for measuring multimode attenuation in passive components and installed cable plant.

In this PAS, the fibre types that are addressed include category A1a (50/125 μm) and A1b (62,5 μm /125 μm) multimode fibres, as specified in IEC 60793-2-10. The nominal test wavelengths detailed are 850 nm and 1 300 nm. This PAS may be suitable for multimode attenuation measurements for other multimode categories and/or other wavelengths, but the source condition for other categories and wavelengths are not defined here.

The purpose of these requirements is as follows:

- to ensure consistency of field measurements when different types of test equipment are used;
- to ensure consistency of factory measurements when different types of test equipment are used;
- to ensure consistency of field measurements when compared with factory measurements.

This PAS describes launch condition requirements for optical attenuation using sources with a controlled encircled flux (EF).

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 60793-2-10, *Optical Fibres – Part 2-10: Product specifications –Sectional specification for category A1 multimode fibres*

IEC 61280-1-4: Ed. 2[1], *Fibre optic communication subsystem test procedures – Part 1-4: General communication subsystems - Light source encircled flux measurement method*

IEC 61931, *Fibre optic terminology*

1 To be published.