



## **BUREAU OF INDIAN STANDARDS**

### **Resolution**

#### **19th MEETING OF 'FIBRE OPTICS, FIBRES, CABLES AND DEVICES' SECTIONAL COMMITTEE, LITD 11 (Hybrid)**

Date & Time	1 <sup>st</sup> October 2024, 02:00 PM
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**Chairperson:** Shri Rakesh Desai, Deputy Director General, TEC, DoT

**Member Secretary:** Shri Priyanshu Sharma, Scientist 'C' & Deputy Director, BIS

1. The committee formally confirmed the minutes of the last 18th meeting of LITD 11 sectional committee held on 21 November 2023.
2. The committee **decided** to co-opt IIT Kanpur in the committee, with a request that Prof. Anantha Ramakrishna may be nominated as one of the representatives from IIT Kanpur.
3. The committee also **decided** to seek revised nominations in the committee, from TEC. Also, the committee requested CEAMA to review its nominations in the committee since currently. The committee **requested** the Member Secretary to write letter to following organizations for reviewing their nominations:
  - Telecommunication Engineering Center
  - Consumer Electronics and Appliances Manufacturers Association
4. The committee requested Panel 1 to initiate the revision of IS 17046: 2018 'Fibre Optic Cable for Cable TV Application' taking into latest technology and raw materials into consideration and wider stakeholders consultations including Cable TV industry members.
5. It was **decided** that withdrawal of IS 16939: 2018 'Optical Fibre Cables For Inside Premises FTTX Application' may be deferred till comments of other members of LITD 11 and from industry are also received.
6. Further, it was **decided** to circulate the IS 16939: 2018 'Optical Fibre Cables For Inside Premises FTTX' with committee members and panel members/industrial experts for their inputs and comments.
7. The committee requested Panel 1 to take this also in consideration during the preparation of the revised draft of IS 17046 'Fibre Optic Cable for Cable TV Application'.

8. The committee recommended reaffirming the due for review standards for an additional three-year period from the scheduled review date.

9. The committee **decided** the following:

SI No	IS No.	Title	Review due on	Base Standard	Committee decision
1.	IS 14624 (Pt 2): 2012	Safety of laser products: Pt 2 safety of optical fibre communication systems (OFCS) (First Revision)	December , 2024	IEC 60825-2:2005	the committee finalized the draft and recommended to send it for publication as an Indian standard.
2.	IS 14976: 2012	Calibration of fibre - Optic power meters (First Revision)	December , 2024	IEC 61315: 2005	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 61315:2019 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
3.	IS 16180 (Pt 13) : 2018	Fibre optic connector interfaces: Pt 13 type fc - Pc connector	November , 2024	IEC 61754-13: 2006	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 61754-13:2024 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
4.	IS/IEC 60793-1-22 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 22 length measurement	December , 2024	IEC 60793-1-22 : 2001	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 60793-1-22:2024 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
5.	IS/IEC 60794-1-1: 2015	Optical Fibre Cables Pt 1 Generic Specification Section 1 General ( First Revision )	August, 2024	IEC 60794-1-1 : 2015	The committee noted that standard has completed WC-draft stage Doc. No. LITD/11/23468, the committee finalized the draft and recommended to send it for publication as an Indian standard.
6.	IS/IEC 60794-2-10 : 2011	Optical Fibre Cables Pt 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables	October, 2024	IEC 60794-2-10 : 2011	The committee noted that standard has completed WC-draft stage Doc. No. LITD/11/23480, the committee finalized the draft and recommended to send it for publication as an Indian standard.

7.	IS/IEC 60875-1 : 2015	Fibre optic interconnecting devices and passive components - Non - Wavelength - Select4e fibre optic branching devices: Pt 1 generic specification	August, 2024	IEC 60875-1 : 2015	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 60875-1:2024 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
8.	IS/IEC 61744 : 2005	Calibration Of Fibre Optic Chromatic Dispersion Test Sets	November 2024	IEC 61744 : 2005	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 61744:2023 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
9.	IS/IEC 61746 : 2005	Calibration Of Optical Time-Domain Reflectometers (OTDR)	April, 2024	IEC 61746 : 2005	The committee <b>decided</b> to revise the standard in line with the latest version of the base standard IEC 61746-1:2009 and circulate P-draft for a period of 30 days followed by wide circulation for a period of 60 days.
10.	IS/IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components Connectors for Optical Fibres and Cables Pt 1 Generic Specification	August, 2024	IEC 60874-1 : 2011	The committee <b>decided</b> to Archive this standard

10. The committee finalized the following draft standards and **recommended** to send them for publication as Indian standards:

Sl No.	Document No.	Title
1	LITD/11/23466 IEC 60825-2: 2021	Safety of laser products – Part 2 Safety of optical fibre communication systems (OFCSs) [ <i>Superseding IS 14624(Part 2):2012</i> ]
2	LITD/11/23467 IS / IEC 60793-1-1: 2022	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 1 General and Guidance ( <i>Second Revision</i> )
3	LITD 11 (23468) IS / IEC 60794-1-1: 2023	Optical Fibre Cables Part 1 Generic Specification Section 1 General ( <i>Second Revision</i> )
4	LITD 11 (23469) IS / IEC 60794-1-2: 2021	Optical Fibre Cables Part 1 Generic Specification Section 2 Basic optical cable test procedures – General guidance ( <i>First Revision</i> )
5	LITD 11 (23480) IS / IEC 60794-2-10:2023	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables ( <i>First Revision</i> )

11. Mr. Sudipta Bhaumik was **requested** to modify the ToR based on the current requirement and share the revised ToR through mail with the committee members for their inputs and approval. Committee approval of the Revised ToR may be taken via correspondence.
12. Members were encouraged to consider their participation in the upcoming plenary meeting of IEC TC 86, SC 86A & SC 86B during 28<sup>th</sup> Oct to 06<sup>th</sup> Nov 2024.
13. The following Indian delegation was approved by the committee for consideration of the competent authority of BIS for participation in these meetings:
  1. Sh Rakesh Desai, Chair, LITD 11
  2. Sh Sudipta Bhowmik, Sterlite Technologies
  3. Sh Priyanshu Sharma, Member Secretary (LITD 11)
14. Members were **requested** to provide their inputs on the balloting documents of IEC/TC 86, SC 86A, SC 86B, SC 86C before the due date to the BIS secretariat through IR portal.
15. The committee **decided** to schedule the next meeting tentatively in the last week of January 2025 in Hybrid mode.