

BUREAU OF INDIAN STANDARDS

AGENDA

Seventeenth meeting of Fibre Optics, Fibres, Cables and Devices Sectional Committee, LITD 11

दिनांक/Date : 30 जून June 2023	स्थान/VENUE						
दिन/Day : शुक्रवार/Friday	कॉपर रूम/Copper Room, मानक भवन/Manak Bhavan, 9 बहादुरशाह जफर मार्ग/ Bahadur Shah Zafar Marg, नई दिल्ली/ New Delhi— 110002						
समय/Time : 1030 बजे /H	<table border="1"><tr><td>Meeting link:</td><td>https://bismanak.webex.com/bismanak/j.php?MTID=m550e6248e5be113f6f30c2c32</td></tr><tr><td>Meeting No</td><td>2510 957 8565</td></tr><tr><td>Password</td><td>Optical</td></tr></table>	Meeting link:	https://bismanak.webex.com/bismanak/j.php?MTID=m550e6248e5be113f6f30c2c32	Meeting No	2510 957 8565	Password	Optical
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Password	Optical						

Chairman: Shri Rakesh Desai

Member Secretary: Shri Bipin Jambholkar

ITEM 0 WELCOME

0.1 Welcome address

0.2 Opening Remarks by the Chairman

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

1.1 The draft minutes of the last meeting is enclosed.

The Committee may formally confirm these minutes.

ITEM 2 REVIEW OF COMPOSITION OF SECTIONAL COMMITTEE LITD 11

2.1 The composition of Fibre Optics, Fibres, Cables and Devices Sectional Committee LITD 11, is given in Annex 1 (Pg 8-9).

ITEM 3 PRESENT POSITION OF WORK OF LITD 11

3.1 The present position of work of LITD 11 is given in Annex 2 (Pg 10-13)

The Committee may note.

ITEM 4 REVIEW OF PUBLISHED INDIAN STANDARDS

4.1 In accordance with BIS procedure, Indian Standards which are in existence for more than 3 years are to be reviewed for reaffirmation/revision/withdrawal.

4.2 When reviewing a standard, a committee has five options available:

- a) reaffirmation indicating continuing current of the standard without change;
- b) amendment and reaffirmation indicating the continuing currently of standard after necessary changes to bring it upto date;
- c) revision involving the routine procedure for new project and reaffirm for time being.
- d) declaration of obsolescence indicating by amendment that the standard is not recommended for use in new equipment but needs to be retained to provide for the servicing of existing equipment that is expected to have a long working life;
- e) withdrawal indicating that the standard is no longer needed.

4.3 Latest status of such standards along with the status of the ISO/IEC standards, on which these are based. This list of Indian standards whose base ISO/IEC standards have been revised/withdrawn are also given below with details of Status of base International Standards. BIS/Members will circulate Standard Review Document [Action Research Project (ARP)] to all members (All the review documents can be access after logging in BIS module)

Sl. No	IS.No.	Title	Date of Last Reaffirmation	Corresponding International Standard	Latest Position of International Standard	Remarks
1	IS 15480 (Pt 1/Sec 2018) : 2021	Fibre Optic Interconnecting Devices And Passive Components Fibre Optic Passive Power Control Devices Part 1: Generic Specification (1 st Revision)	Mar 2021	IEC 60869-1: 2018	No Change	ARP will be circulated to all members for comments.
2	IS 16180 (Pt 1) : 2014	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces: Part 1 General and guidance	Dec 2020	IEC 61754-1: 2013-	No Change	-do-
3	IS 16282 : 2014	Fibre Optic Graphical Symbology	Sept 2020	IEC 61930 : 1998	No Change	-do-
4	IS 16283 : 2014	Fibre Optic Terminology	Dec 2020	IEC 61931 : 1998	No Change	-do-
5	IS 16285 : 2020	End-face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (1 st Revision)	New July 2020	IEC 61745 : 1998	No Change	-do-
6	IS 16438 (Pt 1) : 2021	Fibre optic interconnecting devices and passive components Performance standard Pt 1: General and guidance (1 st Revision)	New March 2021	IEC 61753-1: 2020	No Change	-do-
7	IS/IEC 60794-2 : 2017	Optical fibre cables Pt 2 Indoor cables Sectional specification (1 st Revision)	March 2021	IEC 60794-2 : 2017	No Change	-do-

8	IS/IEC 60794-2-11 : 2020	Optical fibre cables Pt 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling (1 st Revision)	Feb 2021	IEC 60794-2-11 : 2020	No Change	-do-
9	IS/IEC 61757 : 2018	Fibre Optic Sensors - Generic Specification	July 2020	IEC 61757 : 2018	No Change	-do-

4.4 In the last meeting of LITD 11, TEC has recommended the Committee to withdraw following Standards, as TEC already has Standards for OFC for FTTH applications.

- 1) **IS 16939 : 2018 Optical Fibre Cables For Inside Premises FTTH Application**
- 2) **IS 17046: 2018 Fibre Optic Cable For Cable TV Application**

4.4.1 No Comments have been received from any other members.

4.5 In addition to Standards due for review, the list of Indian standards whose base ISO/IEC standards have been revised/withdrawn are also given below with details of Status of base International Standards.

Sl. No	IS.No.	Title	Corresponding International Standard	Latest Position of International Standard	Remarks
1	IS 14624 (Pt 2) : 2012	Safety of laser products: Pt 2 safety of optical fibre communication systems (OFCS) (1st Revision)	IEC 60825-2:2005	IEC 60825-2: 2021	IEC has also published IEC 60825 : 2023 SER combining all Standards
2	IS 14976 : 2012	Calibration of fibre - Optic power meters (1st Revision)	IEC 61315: 2005	IEC 61315: 2019	
3	IS 15077 (Pt 1) : 2019 IEC 62007 : 2015	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Pt 1 Specification Template for Essential Ratings and Characteristics (2nd Revision)	IEC 62007 : 2015	Amd 1: 2022	
4	IS 16438 (Pt 2/Sec 1) : 2019	Fibre Optic Interconnecting Devices and Passive Components Performance Standard Pt 2 Fibre Optic Connectors Terminated on Single-Mode Fibre for Category U Section 1 Uncontrolled environment	IEC 61753-2-1 : 2000		
5	IS 16607 : 2018	Fibre Optics Launch Condition Requirements for Measuring Multimode Attenuation	IEC 62614 : 2010	Withdrawn and replaced by IEC 62614-1: 2020	
6	IS/IEC 60793-1-1) : 2017	Optical fibres: Pt 1 measurement methods and test procedures: Sec 1 general and guidance (First Revision)	IEC 60793-1-1) : 2017	IEC 60793-1-1) : 2022	
7	IS/IEC 60793-1-31 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 31 tensile strength	IEC 60793-1-31 : 2010	IEC 60793-1-31 : 2019	
8	IS/IEC 60793-1-32 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 32 coating strippability	IEC 60793-1-32 : 2010	IEC 60793-1-32 : 201	
9	IS/ IEC 60793-1-34 : 2006	Optical fibres: Pt 1 measurement methods and test procedures: Sec 34 fibre curl	IEC 60793-1-34 : 2006	IEC 60793-1-34 : 2021	
10	IS/IEC 60793-1-40 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 40 attenuation	IEC 60793-1-40 : 2001	IEC 60793-1-40 : 2019	
11	IS/IEC 60793-1-49 : 2006	Optical fibres: Pt 1 measurement methods and test procedures: Sec 49 differential mode delay	IEC 60793-1-49 : 2006	IEC 60793-1-49 : 2018	
12	IS/IEC 60793-2-60	Optical fibres: Pt 2 product specifications: Sec	IEC 60793-	IEC 60793-2-	

	: 2008	60: Secal specification for category c single - Mode intraconnection fibres	2-60 : 2008	60 : 2017	
13	IS/IEC 60794-1-1 : 2015	Optical Fibre Cables Pt 1 Generic Specification Section 1 General (First Revision)	IEC 60794-1-1 : 2015	IEC 60794-1-1 : 2023	
14	IS/IEC 60794-1-2 : 2017	Optical fibre cables Pt 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision	IEC 60794-1-2 : 2017	IEC 60794-1-2 : 2021	
15	IS/IEC 60794-2-10 : 2011	Optical Fibre Cables Pt 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables	IEC 60794-2-10 : 2011	IEC 60794-2-10 : 2023	
16	IS/IEC 61744 : 2005	CALIBRATION OF FIBRE OPTIC CHROMATIC DISPERSION TEST SETS	IEC 61744 : 2005	IEC 61744 : 2023	
17	IS/IEC 61746 : 2005	CALIBRATION OF OPTICAL TIME-DOMAIN REFLECTOMETERS(OTDR)	IEC 61746 : 2005	IEC 61746 : 2009	

BIS/Members will circulate Standard Review Document [Action Research Project (ARP) to all members.

Item 5 Process Reforms in Standardization Activity of BIS

- (a) The Rolling Annual Action Plan for the year 2023-24.
- (b) Annual calendar of Technical Committee meetings
- (c) Research Projects to be taken up for inclusion of empirical data and insights
- (d) Closer examination of the New Work Item proposals received from ISO/IEC.
- (e) The measures to ensure effective participation by the Indian experts at ISO/IEC levels
- (f) National and International events to be participated.
- (g) Scientific journals and periodicals to be subscribed.
- (h) Creation of pool of experts.

The committee may please note for necessary compliance and further actions.

ITEM 6 INTERNATIONAL STANDARDIZATION ACTIVITIES

6.1 Presently, LITD 11 acts as National Mirror Committee of IEC/TC 86, SC 86A, SC 86B and SC 86C and Participating member on all of them

6.1.1 India being Participating member on TC 86, 86 A, 86B and 86C has obligations to vote on the document emanating from these committees.

6.2 List of standards published by IEC TC 86, SC 86A, SC 86B & SC 86C are given at Annex 3 (Enclosed as separated list).

6.2.1 The Committee may examine the list of these IEC standards and identify if any of these standards are required to be adopted as national standards.

6.3 The list of working groups under IEC/TC 86 and its Sub-Committees are given below:

Sr No	Title	Subcommittee/Working Groups	Expert
1	TC 86 Fibre optics	WG 4 Fibre optic test equipment calibration	None
		JWG 9 Optical functionality for electronic assemblies linked to TC 91	None

Sr No	Title	Subcommittee/Working Groups	Expert
2	SC 86A Fibres and cables	WG 1 Fibres and associated measuring methods	Shri Sudipta Bhaumik, Shri Roshan Kumar Sterlite Technologies Ltd, TEC Dr. Ranjan Sen Shri Bipin Jambholkar
		WG 3 Cables	
		Project Team IEC 60794-1-3	
		Project Team IEC 60794-1-31	None
		Joint Working Groups; JWG 1 Raw materials and environmental issues Managed by TC 46	None
		JWG 8 62807 Managed by SC 46C	1)Shri Sudipta Bhaumik, Sterlite Technologies Ltd, TEC

Sr No	Title	Subcommittee/Working Groups	Expert
3	SC 86B Fibre optic interconnecting devices and passive components	WG 4 Standard tests and measurement methods for fibre optic interconnecting devices and passive components	Shri Sudipta Bhaumik TEC
		WG 6 Standards and specifications for fibre optic interconnecting devices and related components	Shri Sudipta Bhaumik TEC
		WG 7 Standards and specifications for fibre optic passive components	Shri Sudipta Bhaumik TEC
		Joint Working Groups; JWG 8 with 86A - Terminated Cable Assemblies	Shri Sudipta Bhaumik TEC
		Editing Group EG 1: Editing IEC 61300-3-35/Ed2	None

Sr No	Title	Subcommittee/Working Groups	Expert
4	SC 86C Fibre optic systems and active devices	WG 1 Fibre optic communications systems and sub-systems	None
		WG 2 Fibre optic sensors	None
		WG 3 Optical amplifiers	Dr. Ranjan Sen
		WG 4 Fibre optic active components and devices	Dr. Ranjan Sen
		WG 5 Dynamic Modules and devices	None

6.3.1 Shri Sudipta Bhaumik has informed that he had been nominated as Project Leader (PL) in 3 IEC standard development projects under IEC SC86A sub-committee during the last IEC General meeting.

a) IEC 60794-1-310 (Optical fibre cables - Basic optical cable test procedures- Pt 310: Cable element test methods- Strippability

b) IEC 60793-1-1 (OPTICAL FIBRES – Pt 1-1: Measurement methods and test procedures – General and guidance and

c) IEC 60793-2-60 (OPTICAL FIBRES Pt 2-60: Product specifications –Sectional specification for category C single-mode intraconnection fibres) standards.

6.3.2 In order to increase India's participation into these committees, the committee may nominate experts into above mentioned Working Groups of IEC TC 86 and its sub-committees.

6.4 The Committee members interested in Participation IEC TC 86 and its SC meetings may kindly write to the Secretariat.

The Committee may consider.

ITEM 7 WTO-TBT ENQUIRY POINT

7.1 World Trade Organization (WTO) is the International Organization dealing with global rules of trade between nations. The Technical Barriers to Trade Agreement (TBT) tries to ensure that Regulations, Standards, Conformity Assessment procedures do not create unnecessary obstacles to trade. Manufactures and exporters of each country need to know about the latest standards and technical regulations in their prospective markets. To help ensure that this information is made available conveniently, all WTO member. Governments are required to establish National Enquiry Point. India is a signatory to the WTO TBT Agreement. Under this Agreement, India has to fulfill certain obligations such as establishing an enquiry point and transparency of its standards and its regulations. BIS functions as the enquiry point as nominated by Ministry of Commerce, the dealing Ministry with WTO (except for Telecom Sector). For Telecom Sector Telecommunication Engineering Center (TEC) of Department of Telecom functions as the designated National enquiry point nominated by Ministry of Commerce.

7.2 As the WTO TBT Enquiry Point, BIS answers all the reasonable enquiries pertaining to Technical Regulation, Standards and Conformity Assessments procedures addressed to it from the Enquiry Points of other countries. It also serves as the information centre within the country. Additionally, BIS also disseminates the TBT Notifications of other member bodies to the National Stakeholders.

7.3 The awareness regarding TBT notifications is lacking among various stakeholders in India and as a result India is not sending its comments on draft notifications by other countries, which may be of trade interest to India. As signatory of WTO-TBT agreement, there is a greater need for us to be aware of the TBT notifications issued by different countries in order to protect our interest.

7.4 BIS disseminates the TBT Notifications of other countries to the Indian Stakeholders with a view to seek their comments and taking up the same at appropriate forum. The stakeholders are expected to examine the notifications on the following aspects:

- i) Are the notifications in accordance with International Standards?
- ii) Are they stricter than the International Standards?
- iii) Are they stricter than the International Standards then necessary to meet the legitimate objective of
 - Protection of human health or safety
 - Animal or Plant life or health
 - Environment Protection

7.5 The BIS technical committees have also been identified as stakeholders for the TBT Notifications and relevant notifications are being disseminated to them. The committee members should examine the TBT Notifications with a view to protect Indian trade interest.

7.6 The e-mail address of BIS Enquiry Point is as follows:

BIS: a) ird@bis.gov.in ; b) tisd@bis.gov.in

Website: www.bis.org.in

The Committee may note.

ITEM 8 ELECTRONICS AND INFORMATION TECHNOLOGY GOODS (REQUIREMENTS FOR COMPULSORY REGISTRATION) ORDER, 2012

8.1 Ministry of Information and Technology, Department of Electronics and IT (MeitY) has issued the Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012, bringing into force a scheme for mandatory regime of registration of identified **61 electronic products** so that these products meet specified safety standards (**Out of which 29 belongs LITD**). According to this order, No person shall manufacture or store for sale and import of electronics goods which do not conform to the specified Indian standard and do not bear the self declaration- Conforming to IS on such goods after obtaining Registration from BIS. The detail information of the registration scheme is available on BIS website <http://www.bis.org.in>.

ITEM 9 INFORMATION ON E-SALE OF STANDARDS BY BIS

9.1 Bureau of Indian Standards, the National Standards Body of India has published more than 19000 Indian Standards which are available for sale. They are available on e-sale as under:
Softcopy download from BIS sales portal <http://www.standardsbis.in>.

The Committee may note.

ITEM 10 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

10.1 National Institute of Training for Standardization (NITS) has been set up by BIS with world class facilities to impart training on various aspects leading to standardization, quality and other management systems, consumer protection, public service delivery, etc. The training calendar for the current year is available on BIS web site <http://www.bis.org.in>. The organizations willing to depute their personnel for training may kindly go through the appropriate programme and get them registered to undergoing training.

The Committee may note.

Item 11 ANY OTHER ITEM

ITEM 12 DATE AND PLACE FOR THE NEXT MEETING

ANNEX 1

(Item 2.1)

COMPOSITION OF

LITD 11 FIBRE OPTICS, FIBRES, CABLES AND DEVICES

1	Telecom Engineering Centre	Shri Rakesh Desai	Chairman
2	Aksh Optifibre Limited	Shri Anil Gupta	Principal
3	Birla Cable Ltd	Shri V.P. Singh	Principal
		Shri Narendra Jain	Alternate
4	Bharat Sanchar Nigam Limited (BSNL)	Shri C Kishore Prakash	Principal
		Ms. N.K. Mamatha	Alternate
5	Centre for Development of Telematics (C-DOT)	Shri Atul Kumar Gupta	Principal
		Shri Prashant Kr. Rathore	Alternate
6	Central Electronics Engg. Research Institute CEERI-CSIR	Dr Suchandan Pal	Principal
7	Central Glass & Ceramic Research Institute, CGCRI-CSIR	Dr. Somnath Bandyopadhyay	Principal
		Dr. Mukul Chandra Paul	Alternate
8	Central Scientific Instruments Organisation, CSIO-CSIR	Prof. S. Anantha Ramakrishna	Principal
		Dr. Samir Mondal	Alternate
9	Directorate General of Aeronautical Quality Assurance	Joint Director E & I	Principal
		Deputy Director E & I	Alternate
10	Directorate General of Quality Assurance	Brig RS Mehta	Principal
		Col Samir Kashyap	Alternate
11	Instrument Research and Development Establishment (DRDO)**	Dr M.K. Pandey	Principal
12	DePtmnt of Science and Technology	Shri Vineet Saini	Principal
13	Finolex Cables Ltd	Shri Mukund Sawant	Principal
		Shri Shaikh Sadik	Alternate1
		Shri Mahadev Kadam	Alternate2

14	Himachal Futuristics Communication Ltd	Shri Pramod Agarwal Shri Vivek Agrawal	Principal Alternate
15	Ministry of Defence,Dte. Of Standardisation	Secretary, Electronics Standardisation Sub Committee	Principal Alternate
16	Nest Group,SFO Technologies Pvt Ltd	Shri K.R. Suresh K. Nair Dr. Samuel Varghese	Principal Alternate
17	Ordinance Cable Factory	Nomination Awaited	
18	Sterlite Technologies Limited	Shri Sudipta Bhaumik Shri A N Srinivas Shri Roshan Kumar	Principal Alternate1 Alternate2
19	Telecommunication Consultants of India Ltd	Smt. Chanchal Pathak Shri Sanjeev Kesari	Principal Alternate
20	Telecommunication Engineering Centre (TEC), DOT	Shri K L Chhabra Smt Ratna Thakur	Principal Alternate1
21	Telecom Equipment Manufactures Assn. of India (TEMA)	Prof N.K.Goyal Shri Sandeep Aggrawal	Principal Alternate
22	In Personal Capacity	a) Shri Arvind Kansal b) Dr. Ranjan Sen	

ANNEX 2*(Item 3.1)***LITD 11 FIBRE OPTICS, FIBRES, CABLES AND DEVICES**

SCOPE - To prepare Indian Standard for fibre optics systems and associated components and devices intended for use with communications equipment and devices employing similar techniques.

LIAISON WITH IEC COMMITTEES

IEC/TC 86 Fibre Optics
 IEC/SC 86A Fibres and Cables
 IEC/SC 86B Fibre Optic Interconnecting
 Devices and Passive Components
 IEC/SC 86C Fibre Optic Systems and active devices

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No.of Amd.
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STANDARDS PUBLISHED

Sl. No.	IS No.	TITLE	Reaffirm M-Y	No. of Amds
1	IS 14624 (Pt 2) : 2012 IEC 60825-2:2005	Safety of laser products: Pt 2 safety of optical fibre communication systems (OFCS) (First Revision)	Dec 2021	-
2	IS 14976 : 2012 IEC 61315: 2005	Calibration of fibre - Optic power meters (First Revision)	Dec 2021	-
3	IS 15077 (Pt 1) : 2019 IEC 62007 : 2015	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Pt 1 Specification Template for Essential Ratings and Characteristics (2 nd Revision)	Jul 2022	-
4	IS 15077 (Pt 2) : 2012 IEC 62007-2: 2009	Semiconductor optoelectronic devices for fibre optic system applications: Pt 2 measuring methods (1 st Revision)	Sep 2021	-
5	IS 15480 (Pt 1) : 2021 IEC 60869-1: 2018	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PT 1: GENERIC SPECIFICATION FIRST REVISION	Mar 2021	-
6	IS 16180 (Pt 1) : 2014 IEC 61754-1: 2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces: Pt 1 general and guidance	Dec 2020	-
7	IS 16180 (Pt 13) : 2018 IEC 61754-13: 2006	Fibre optic connector interfaces: Pt 13 type fc - Pc connector	Nov 2021	-
8	IS 16282 : 2014 IEC 61930 : 1998	Fibre Optic Graphical Symbolology	Sep 2020	-
9	IS 16283 : 2014 IEC 61931 : 1998	Fibre Optic Terminology	Dec 2020	-
10	IS 16285 : 2020 IEC 61745 : 2017	End-face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (First Revision)	Jul 2020	-
11	IS 16438 (Pt 1) : 2021 IEC 61753-1: 2020	Fibre optic interconnecting devices and passive components Performance standard Pt 1: General and guidance First Revision	Mar 2021	-

12	IS 16438 (Pt 2/Sec 1) : 2019 IEC 61753-2-1 : 2000	Fibre Optic Interconnecting Devices and Passive Components Performance Standard Pt 2 Fibre Optic Connectors Terminated on Single-Mode Fibre for Category U Section 1 Uncontrolled environment	May 2022	-
13	IS 16607 : 2018 IEC 62614 : 2010	Fibre Optics Launch Condition Requirements for Measuring Multimode Attenuation	Oct 2021	-
14	IS 16625 (Pt 1) : 2018 IEC 62496-1 : 2008	Optical Circuit Boards Pt 1 General	Nov 2021	-
15	IS 16939 : 2018	Optical Fibre Cables for Inside Premises (FTTX) Application	Jun 2021	-
16	IS 17046 : 2018	Fibre Optic Cable for Cable TV Application	Oct 2021	-
17	IS/IEC 60793-1-1 : 2017	Optical fibres: Pt 1 measurement methods and test procedures: Sec 1 general and guidance (First Revision)	Aug 2022	-
18	IS/IEC 60793-1-20 : 2014	Optical fibres: Pt 1 measurement methods and test procedures: Sec 20 fibre geometry (First Revision)	Sep 2022	-
19	IS/IEC 60793-1-21 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 21 coating geometry	Dec 2021	-
20	IS/IEC 60793-1-22 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 22 length measurement	Dec 2021	-
21	IS/IEC 60793-1-30 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 30 fibre proof test	Apr 2022	-
22	IS/IEC 60793-1-31 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 31 tensile strength	Apr 2022	-
23	IS/IEC 60793-1-32 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 32 coating strippability	Jun 2022	-
24	IS/IEC 60793-1-33 : 2017	Optical Fibres Pt 1 Measurement Methods and Test Procedures Section 33 Stress corrosion susceptibility (First Revision)	Jan 2023	-
25	IS/IEC 60793-1-34 : 2006	Optical fibres: Pt 1 measurement methods and test procedures: Sec 34 fibre curl	May 2022	-
26	IS/IEC 60793-1-40 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 40 attenuation	Apr 2022	-
27	IS/IEC 60793-1-41 : 2010	Optical fibres: Pt 1 measurement methods and test procedures: Sec 41 bandwidth	Apr 2022	-
28	IS/IEC 60793-1-42 : 2013	Optical fibres - Pt 1-42: Measurement methods and test procedures - Chromatic dispersion	Apr 2022	-
29	IS/IEC 60793-1-43 : 2015	Optical fibres: Pt 1 measurement methods and test procedures: Sec 43 numerical aperture measurement (First Revision)	Jan 2022	-
30	IS/IEC 60793-1-44 : 2011	Optical fibres: Pt 1 measurement methods and test procedures: Sec 44 cut - Off wavelength	July 2022	-
31	IS/IEC 60793-1-45 : 2017	Optical Fibres Pt 1 Measurement Methods and Test Procedures Section 45 Mode field diameter (First Revision)	Feb 2023	-

32	IS/IEC 60793-1-46 : 2001	Optical fibres: Pt 1 measurement methods and test procedures: Sec 46 monitoring of changes in optical transmittance	Apr 2022	-
33	IS/IEC 60793-1-47 : 2017	Optical Fibres Pt 1 Measurement Methods and Test Procedures Section 47 Macrobending loss (First Revision)	Dec 2022	-
34	IS/IEC 60793-1-48 : 2017	Optical Fibres Pt 1 Measurement Methods and Test Procedures Section 48 Polarization mode Dispersion (First Revision)	Dec 2022	-
35	IS/IEC 60793-1-49 : 2006	Optical fibres: Pt 1 measurement methods and test procedures: Sec 49 differential mode delay	Apr 2022	-
36	IS/IEC 60793-1-50 : 2014	Optical Fibres Pt 1 Measurement Methods and Test Procedures Section 50 Damp heat (steady state) tests	Jul 2022	-
37	IS/IEC 60793-1-51 : 2014	Optical fibres: Pt 1 measurement methods and test procedures: Sec 51 dry heat (Steady State) tests (First Revision)	Jun 2021	-
38	IS/IEC 60793-1-52 : 2014	Optical fibres: Pt 1 measurement methods and test procedures: Sec 52 change of temperature tests (First Revision)	Jun 2021	-
39	IS/IEC 60793-1-53 : 2014	Optical fibres: Pt 1 measurement methods and test procedures: Sec 53 water immersion tests (First Revision)	Aug 2021	-
40	IS/IEC 60793-1-54 : 2018	Optical fibres: Pt 1 measurement methods and test procedures: Sec 54 gamma irradiation (First Revision)	Aug 2022	-
41	IS/IEC 60793-2-60 : 2008	Optical fibres: Pt 2 product specifications: Sec 60: Sectional specification for category c single - Mode intra connection fibres	May 2021	-
42	IS/IEC 60794-1-1 : 2015	Optical Fibre Cables Pt 1 Generic Specification Section 1 General (First Revision)	Aug 2021	-
43	IS/IEC 60794-1-2 : 2017	Optical fibre cables Pt 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision	Mar 2021	-
44	IS/IEC 60794-2 : 2017	Optical fibre cables Pt 2 Indoor cables Sectional specification First Revision	Mar 2021	-
45	IS/IEC 60794-2-10 : 2011	Optical Fibre Cables Pt 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables	Oct 2021	-
46	IS/IEC 60794-2-11 : 2020	Optical fibre cables Pt 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision	Feb 2021	-
47	IS/IEC 60794-3-10 : 2015	Optical Fibre Cables Pt 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical telecommunication cables	Nov 2021	-

48	IS/IEC 60794-3-11 : 2010	Optical Fibre Cables Pt 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables	Nov 2021	-
49	IS/IEC 60794-3-21 : 2015	Optical Fibre Cables Pt 3 Outdoor Cables Section 21 Product Specification For Optical Self-Supporting Aerial Telecommunication Cables For Use In Premises Cabling	Jul 2021	-
50	IS/IEC 60794-3-30 : 2018 IEC 60794-3-30 : 2008	Optical Fibre Cables Pt 3 Outdoor Cables Section 30 Family specification for optical telecommunication cables for lakes, river crossings and coastal applications	May 2021	-
51	IS/IEC 60794-4-20 : 2018	Optical Fibre Cables Pt 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables	Dec 2021	-
52	IS/IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components Connectors for Optical Fibres and Cables Pt 1 Generic Specification	Aug 2021	-
53	IS/IEC 60875-1 : 2015	Fibre optic interconnecting devices and passive components - Non - Wavelength - Selective fibre optic branching devices: Pt 1 generic specification	Aug 2021	-
54	IS/IEC 60876-1 : 2014	Fibre optic interconnecting devices and passive components - Fibre optic spatial switches: Pt 1 generic specification (First Revision)	Aug 2021	-
55	IS/IEC 61744 : 2005	Calibration Of Fibre Optic Chromatic Dispersion Test Sets	Nov 2021	-
56	IS/IEC 61746 : 2005	Calibration Of Optical Time-Domain Reflectometers(OTDR)	Apr 2021	-
57	IS/IEC 61746-2 : 2010	Calibration of optical time-domain reflectometers (OTDR) - Pt 2: OTDR for multimode fibres	Apr 2021	-
58	IS/IEC 61757 : 2018	Fibre Optic Sensors - Generic Specification	July 2020	-
59	IS/IEC/TR 62283 : 2010	Optical Fibres – Guidance for Nuclear Radiation Test	Oct 2021	-
60	IS/IEC 62538 : 2008	Categorization of Optical Devices	June 2021	-
61	IS/IEC/TR 62572-2 : 2008	Fibre Optic Active Components and Devices - Reliability Standards Pt 2 Laser Module Degradation	June 2021	-

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