

**BUREAU OF INDIAN STANDARDS**

For BIS use only

**MINUTES**

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

<b>Date And Time</b>  <b>Date : 23<sup>rd</sup>- Dec-2021</b> <b>Day : Thursday</b> <b>Time : 1100 H</b>	<b>Venue: THROUGH WEBEX</b>
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**Members Present:**

- |  |   |
|--|---|
| <b>1. Chairman</b> Shri Ashwani Salwan | <b>2.Member Secretary</b> Shri Bipin Jambholkar |
| 3. Shri Anil Gupta                     | (Aksh Optifibre Limited)                        |
| 4. Shri V P Singh                      | (Birla Cable Ltd)                               |
| 5. Shri Narendra Jain                  | (Birla Cable Ltd)                               |
| 6. Dr. Somnath Bandyopadhyay           | (Central Glass & Ceramic Research Institute)    |
| 7. Prof.S. Anantha Ramakrishna         | (Central Scientific Instruments Organisation)   |
| 8. Dr. Samir Mondal                    | (Central Scientific Instruments Organisation)   |
| 9. Col. Singh                          | (Directorate General of Quality Assurance)      |
| 10. Shri Vivek Agrawal                 | (Himachal Futuristics Communication Ltd)        |
| 11. Shri Sunil Upmanyu                 | (Finolex Cables Ltd)                            |
| 12. Shri M.V. Gaikwad                  | (Finolex Cables Ltd)                            |
| 13. Dr. Samuel Varghese                | (Nest Group,SFO Technologies Pvt Ltd)           |
| 14. Shri Sudipta Bhaumik               | (Sterlite Technologies Limited)                 |
| 15. Shri Roshan Kumar                  | (Sterlite Technologies Limited)                 |
| 16. Smt. Ratna Thakur                  | (Telecommunication Engineering Centre)          |
| 17. Prof. N K Goyal                    | (Telecom Equipment Manufactures Assn. of India) |
| 18. Ms. Manisha                        | (Telecom Equipment Manufactures Assn. of India) |

**Other participants/Invitee**

- |                              |   |
|------------------------------|---|
| 19. Shri Swapnil Pateria     | (Birla Cable Ltd-Shri VP Singh included his name) |
| 20. Dr. Umesh Tiwari         | (Central Scientific Instruments Organisation)     |
| 21. Shri Sivakumar Nagarajan | (Corning Technologies India Ltd)                  |
| 22. Shri Vijay Dixit         | (Telecommunication Engineering Centre)            |
| 23. Smt.Divya Sharma         | (Telecommunication Engineering Centre)            |
| 24. Shri Deepak Jain         | (Telecom Equipment Manufactures Assn. of India)   |
| 25. Shri Arun Gupta          | (Telecom Equipment Manufactures Assn. of India)   |

**BIS DG**

27. Shri Kshitij Bathla  
28. Ms. Alismita.Khag

**Regret**

29. Shri Saurabh Ranjan MeitY

**ITEM 0 WELCOME**

**0.1** Member Secretary welcomed the Chairman and all members and invitee to the sixteenth meeting of LITD 11. He wished all members to be healthy and remain safe. He informed that in last three of years, BIS has published more than 42 new Indian Standards on products, method of test. Almost 80% of the Standards of the Committee were published in last 3 years. Also LITD 11 has reviewed large number of Standards and revised large number of Indian Standards and withdrawn/ supersede those which has become obsolete as per present technologies. He congratulated all members and Chairman for progress of the Committee.

He also informed about the instructions received from Hon'ble Minister for Consumer Affairs to BIS that as far as possible Committee should meet every quarterly ensuring Indian interest in every field and also non-participating members may be withdrawn from the Committee.

He also informed the members that all Standardization work is being carried out through BIS portal only. He requested all members to login themselves if not already done so. In case of any difficulty, they may contact member secretary for resolution.

He thanked the Chairman for his guidance and initiation in Committee progress.

**0.2** Shri Ashwani Salwan, Chairman 11 also gave a warm welcome to the members and invitee present online for the meeting. In his opening remarks, he prayed for member's safety in era of COVID-Pandemic. He was happy with the progress of the Committee. He informed that he was transferred out of TEC and now being posted in DOT, Mumbai. He said that new technology like 5G are being rolled out are replacing existing network and decision of BIS to conduct frequent meeting will result in faster formulation of new Standards as well as better implementation.

**0.3** Prof. S. Anantha Ramakrishna, Conveyor of Panel 1 also welcomed all members. He said that optical fibres Standards are important for nation's progress. He said that large number of Standards have come up finalization/review and Committee and all of them are extremely technical in nature. He requested all members to devote time for study of Standards as per Indian Conditions.

#### **ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING**

**1.1** The minutes of the last meeting of Sectional Committee, LITD 11 were circulated vide BISDG letter No. LITD 11/A-2.15 dated 18<sup>th</sup> June 2021. The minutes of the last meeting were formally confirmed by the Committee.

#### **ITEM 2 COMPOSITION OF LITD 11**

**2.1** The Committee reviewed the composition of Fibre Optics, Fibres, Cables and Devices Sectional Committee LITD 11, which was given in ANNEX 1 (Pg 9-10).

**2.2** Committee noted BIS guidelines withdrawal from Composition, for those organization who has not attended last three meetings.

Member Secretary informed that following organizations have not attended at least last four meetings (including present meeting) despite writing them repeated reminders. Decision of Committee is as follows:

Sl No.	Organization	Decision
1	Central Electronics Engg. Research Institute CEERI-CSIR	It was decided to write once again to CEERI as it is one of the important R&D Institute.
2	Instrument Research and Development Establishment (DRDO)	It was decided to write once again to IRDE as it is one of the important R&D Institute. Prof. Ramakrishna has suggested to write to Dr. B.K.Das, Director of IRDE

3	Ministry of Defence, Directorate Of Standardisation	Official from DGQA informed about importance of Dte. Of Standardisation. It was decided to write once again to them
4.	Ordinance Cable Factory	Committee decided to recommend withdrawal of nomination to LITDC.
5.	Telecommunication Consultants of India Ltd	TEMA was of the opinion that TCIL is one of the important organization and they will forward the details of official.

**2.2.1** The Committee noted the information and asked BIS to write letters to all those organizations who have not attended the last four meeting of LITD 11. In case no reply is received, it will be considered that they are no longer interested in Committee Work and they may be recommended for withdrawal in LITDC.

**2.3** Co-option request received from following organization/personal;

a) Shri Pramod Tiwari- Prop : RAMA TECH (NOTE : has been added in additional mailing list of LITD11)

### ITEM 3 DRAFT INDIAN STANDARDS FOR FINALIZATION

**3.1** The Committee considered following Documents which has completed/under wide Circulation for Comments.

Sl. No.	Draft Indian Standards	Circular No. and Date	Remarks
1.	Doc. No LITD 11 (17658) IS/IEC 60793-1-31: 2019 <b>Optical Fibres</b> – Part 1 Measurement Methods and Test Procedures – Section 31 Tensile strength (First Revision) ICS 33.180.10	LITD 11/T-38, Dated : 12/07/21	Committee approved the printing of IEC Standard as single number Indian Standard.
2.	Doc. No LITD 11 (17659) IS/IEC 60793-1-32: 2018 <b>Optical Fibres</b> – Part 1 Measurement Methods and Test Procedures – Section 32 Coating strippability (First Revision) ICS 33.180.10	<b>LITD 11/T-39</b> Dated : 12/07/21	Committee approved the printing of IEC Standard as single number Indian Standard.
3.	Doc. No LITD 11 (17660) IS/IEC 60793-1-40: 2019 <b>Optical Fibres</b> – Part 1 Measurement Methods and Test Procedures – Section 40 Attenuation measurement methods (First Revision) ICS 33.180.10	<b>LITD 11/T- 42</b> Dated : 12/07/21	Committee approved the printing of IEC Standard as single number Indian Standard.
4.	Doc. No LITD 11 (17661)	<b>LITD 11/T-</b>	Committee approved the

	IS/IEC 60793-1-49: 2018 <b>Optical Fibres – Part 1 Measurement Methods and Test Procedures – Section 49 Differential mode delay (First Revision) ICS 33.180.10</b>	<b>51</b> Dated : 12/07/21	printing of IEC Standard as single number Indian Standard.
5.	Doc. No LITD 11 (17662) IS/IEC 61315: 2019 <b>Calibration of fibre-optic power meters (Superseding IS 14976: 2012)</b> ICS 33.140; 33.180.10	<b>LITD 11/T-18</b> Dated : 12/07/21	Committee approved the printing of IEC Standard as single number Indian Standard.
	Doc. No. : LITD 11 (17663) IS/IEC 60794-1-31: 2021 <b>Optical Fibre Cables Part 1 Generic specification Section 31 Optical cable elements – Optical fibre ribbon</b> ICS 33.180.10, 33.180.99	<b>LITD 11/T-102</b> Dated : 12/07/21	Committee approved the printing of IEC Standard as single number Indian Standard.
	Doc. No. : LITD 11 (17664) IS/IEC 61753-021-3: 2012 <b>Fibre optic interconnecting devices and passive components – Performance standard – Part 021 Single-mode fibre optic connectors for category U Section 3– Uncontrolled environment (Superseding IS 16438 (Part 2/Sec 1) : 2019) ICS 33.180.20</b>	<b>LITD 11/T-66</b> Dated : 15/1/21	Committee approved the printing of IEC Standard as single number Indian Standard in case of no comments received on recirculation on BIS module

#### ITEM 4 PRESENT POSITION OF WORK OF LITD 11

**4.1** The Committee noted the present position of work of LITD 11 as given in Annex 2 of Agenda.

**4.2** TEC officials raised the issue of reaffirmation, which was discussed in next item.

#### ITEM 5 REVIEW OF PUBLISHED INDIAN STANDARDS AND DRAFT INDIAN STANDARDS APPROVED FOR WIDE CIRCULATION

**5.1** Member Secretary informed that as per the BIS procedure, every Sectional Committee (SC) review the published Indian Standards formulated by Electronics and Information Technology Department (LITD) every 3 years for revision/reaffirmation. **However, Committee can initiate review any time even when Standard in not due for**



TEC was also involved in the process of formulation of these Indian Standards and their technical comments were taken into consideration while finalizing both the Standards.

Member Secretary also informed that though assistance has been derived from TEC Standards while formulating above two Standards, but the both Standards were aligned as per the latest IEC Standards and also Indian specific requirements were also incorporated in them based on comments received (including TEC comments).

Chairman raised a query that whether BIS cannot formulate Standard on the subject already in existence by other Standards Body. Member Secretary informed about Indian Standards Formulated on Standards based on JSS (Dept of Defence), AGMARK (Dept of Agriculture), Automotive Research Association of India, etc.

Member Secretary suggested that the duplication of work related to issue of optical fibres may be sorted out by BIS and TEC at the Management level.

**TEC officials desired more time to study and comments on the following Standards for review and said that they cannot give their consent to reaffirm at this point of time.**

**5.1.1 After discussion, the Committee decided to reaffirm the following Standards and TEC inputs will be considered when received.**

Sl. No	IS.No.	Title	Reaffirmation Date
1	IS 14624 (Part 2) : 2012	Safety of laser products Part 2 safety of optical fibre communication systems OFCS (First Revision)	Dec-21
2	IS 14976 : 2012	Calibration of fibre - Optic power meters (First Revision)	Dec-21
3	IS 15077 (Part 2) : 2012	Semiconductor optoelectronic devices for fibre optic system applications Part 2 measuring methods (First Revision)	Sep-21
4	IS 16180 (Part 13) : 2018	Fibre Optic Connector Interfaces Part 13 Type Fc - Pc Connector	Nov 21
5	IS 16607 : 2018	Fibre Optics Launch Condition Requirements For Measuring Multimode Attenuation	Oct-21
6	IS 16625 (Part 1) : 2018	Optical Circuit Boards Part 1 General	Nov-21
7	IS 16939 : 2018	Optical Fibre Cables For Inside Premises FTTX Application	Jun-21
8	IS 17046 : 2018	Fibre Optic Cable For Cable TV Application	Oct-21
9	IS/IEC 60793-1-21: 2001	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 21 Coating Geometry	Dec-21

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10	IS/IEC 60793-1-22: 2001	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 22 Length Measurement	Dec-21
11	IS/ IEC 60793-1-42: 2013	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 42 Chromatic Dispersion	Jul 21
12	IS/IEC 60793-1-51 : 2014	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 51 Dry Heat Steady State Tests (First Revision)	Jul 21
13	IS/IEC 60793-1-52 : 2014	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 52 Change Of Temperature Tests (First Revision)	Jul 21
14	IS/IEC 60793-1-53 : 2014	Optical Fibres Part 1 Measurement Methods And Test Procedures Sec 53 Water Immersion Tests (First Revision)	Aug 21
15	IS/IEC 61746 : 2005	Calibration Of Optical Time-Domain Reflectometers OTDR	Jul 21
16	IS/IEC 61746-2: 2010	Calibration Of Optical Time Domain Reflectometers (OTDR) Part 2 OTDR for Multi Mode Fibres	Jul 21

**5.1.2** The Committee decided to revise all Standards where base IEC Standards has been revised. It was decided to issue following documents based on latest International standard or Final Draft Documents (FDIS) of IEC may be send directly in Wide Circulation for the period of two month.

S. No	Draft Indian Standards (IEC No. ; IEC TC No. ; Title ; (Revision/superseding if any)
1	IEC 60825-2:2021 TC/SC TC 76 Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCSs) (Superseding IS 14624 (Part 2): 2012)
2	IEC 62614-1:2020 TC/SC TC 86/SC 86C Fibre optics - Multimode launch conditions - Part 1: Launch condition requirements for measuring multimode attenuation (Superseding IS 16607: 2018)
3	IEC 61746-1:2009 TC/SC TC 86 Calibration of optical time-domain reflectometers (OTDR) - Part 1: OTDR for single mode fibres (Superseding IS/IEC 61746: 2005)
4.	IEC 60793-2-50:2018 TC/SC TC 86/SC 86A Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres

**5.2** In the fifteenth meeting of LITD 11, it was decided to constitute a LITD11/ Panel 1. The Scope of the panel to look after the issue of formulation of Standard on “Optical Fibre Glass Preform” and review the IS/IEC 60793-2-50: 2018.

The first Meeting of LITD 11/Panel 1 to review of IEC 60793-2-50: 2018 and to review the proposal of formulation of Indian Standard on “optical fibre glass preform” which was held on 12<sup>th</sup> November 2021.



### 5.2.1 Review of Wide Circulation Document based on IEC 60793-2-50: 2018

On the issue of adoption of IEC 60793-2-50, TEC officials informed that TEC Standards are only for Telecom products, whereas IEC 60793-2-50 may be used for other purpose also. Also proposal of Sterlite to delete B-652.B category fibre and related specifications from the Standard was not agreed by the Committee, as other members informed that they are still manufacturing products based on B-652.B category single mode fibre. Also B-652.B fibre is being used in desert areas and widely in demand in those areas.

**Hence it was decided to recirculate the IEC 60793-2-50 Standard in Wide circulation for the period of two months.**

### 5.2.2 Formulation of Indian Standard on “optical fibre glass preform”

Member Secretary informed that in the month of Jan 2021, a proposal was received from M/s Sterlite Technologies Limited, which was circulated to all members of LITD 11. A large number of comments were received which was deliberated in 15<sup>th</sup> Meeting of LITD 11 and it was decided that a panel will to look after the issue of formulation of Standard on “Optical Fibre Glass Preform”

In the first meeting of Panel, it was decided that a new Panel will be formed for making Preliminary draft on “Optical Fibre Glass Preform”, Panel composition is as follows:

- |    |   |                                    |
|----|---|------------------------------------|
| 1. | Dr. Somnath Bandyopadhyay                     | Convenor-CGCRI                     |
| 2. | Dr. Mukul Chandra Paul                        | CGCRI                              |
| 3. | Dr. Ranjan Sen                                | In Personnel Capacity (Ex CGCRI)   |
| 4. | Dr. Umesh Tiwari                              | CSIO                               |
| 5. | Shri Sivakumar Nagarajan                      | Corning Technologies India Ltd     |
| 6. | Shri Vivek Agrawal                            | Himachal Futuristics Communication |
| 7. | TEC Officials-will be nominated in due course |                                    |
| 8. | Shri Sudipta Bhaumik                          | Sterlite Technologies Ltd,         |
| 9. | Member Secretary, LITD 11                     | BIS                                |

It was also decided that the Working/Preliminary Draft will be prepare keeping in mind that it will not put any kind of restrictions on innovation to the manufacture. Draft standard on Preform will be made available on google drive, so that members of LITD 11 can give comments on the document during its formulation.

Before the meeting, TEC vide its email has informed that TEC is the nodal agency, authorized to formulate Generic requirements and standards for the all the Telecom Products to be used in the Indian Telecom Network. In that email TEC put an emphasis on avoiding duplicity of efforts by two Government Agencies and **asked LITD 11 that issue of formulation of Standards on Preform should not be discussed at all in BIS as it is already under examination in TEC.**

During the meeting TEC official informed that they are in process for **calling Industry forum to discuss the issue of formulation of Standard on Preform**, since TEC has

received a similar representation from M/S Sterlite to DOT/TEC also. TEC officials informed that they can formulate the Standards within three months' time.

Member Secretary informed the TEC that their official were present in both the meeting, and though in panel meeting they had informed that the proposal of Preform is under consideration at their end and formulating the Standard at both BIS and TEC is duplicity of effort and wastage of public resources. But during that meeting the Panel finally decided to create new Panel for making Preliminary draft on Preform.

Convener of Panel Prof.S. Anantha Ramakrishna, was unhappy on the turn of events. He said that in last meeting also members discussed in each and every aspect of the issue. All the members are occupying important positions in their organization and we should not waste time on jurisdiction issues on subject.

**After a detailed discussion, it was decided that LITD 11 will not take up the issue of formulation of Standard on “Optical Fibre Glass Preform”, since as per TEC the subject may be falling in the their domain.**

## ITEM 6 INTERNATIONAL STANDARDIZATION ACTIVITIES

**6.1** The Committee noted the information given in the agenda for the meeting.

**6.2** The committee noted the list of standards published by IEC TC 86, SC 86A, SC 86B & SC 86C as given at Annex 6 of Agenda.

**6.2.1** The member secretary informed the members that India has adopted 59 Standards of out of approx.500 Standards of IEC 86 and its Sub-Committee.

**6.3** The list of working groups under IEC/TC 86 and its Sub-Committees are given along with experts nominated in Working Groups are below:

Title	Subcommittee/Working Groups	Expert
TC 86 Fibre optics	WG 4 Fibre optic test equipment calibration	None
	JWG 9 Optical functionality for electronic assemblies linked to TC 91	None

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

Title	Subcommittee/Working Groups	Expert
TC 86 Fibre optics	WG 4 Fibre optic test equipment calibration	None
	JWG 9 Optical functionality for electronic assemblies linked to TC 91	None

Title	Subcommittee/Working Groups	Expert
SC 86A Fibres and cables	WG 1 Fibres and associated measuring methods	1) Dr. Ranjan Sen, 2) Shri Sudipta Bhaumik, 3) Shri Roshan Kumar Sterlite Technologies Ltd,
	WG 3 Cables	

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		4) Shri Ashwani Salwan, 5) Smt. Ratna Thakur 6) Smt. Kamla Pargai Telecom Engg. Centre 7) Bipin Jambholkar, BIS
	Project Team IEC 60794-1-3	None
	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, 2) Shri Ashwani Salwan, 3) Smt. Ratna Thakur 4) Smt. Kamla Pargai Telecom Engg. Centre

Title	Subcommittee/Working Groups	Expert
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 2) Shri Ashwani Salwan, 3) Smt. Ratna Thakur 4) Smt. Kamla Pargai Telecom Engg. Centre
	WG 6 Standards and specifications for fibre optic interconnecting devices and related components	Shri Sudipta Bhaumik 2) Shri Ashwani Salwan, 3) Smt. Ratna Thakur 4) Smt. Kamla Pargai Telecom Engg. Centre
	WG 7 Standards and specifications for fibre optic passive components	Shri Sudipta Bhaumik 2) Shri Ashwani Salwan, 3) Smt. Ratna Thakur 4) Smt. Kamla Pargai Telecom Engg. Centre
	Joint Working Groups; JWG 8 with 86A - Terminated Cable Assemblies	Shri Sudipta Bhaumik 2) Shri Ashwani Salwan, 3) Smt. Ratna Thakur 4) Smt. Kamla Pargai Telecom Engg. Centre
	Editing Group EG 1: Editing IEC 61300-3-35/Ed2	None

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 will nominate
	WG 6 Standards and specifications for fibre optic interconnecting devices and related components	Shri Sudipta Bhaumik TEC will nominate
	WG 7 Standards and specifications for fibre optic passive components	Shri Sudipta Bhaumik TEC will nominate
	Joint Working Groups; JWG 8 with 86A - Terminated Cable Assemblies	Shri Sudipta Bhaumik TEC will nominate
	Editing Group EG 1: Editing IEC 61300-3-35/Ed2	None

Title	Subcommittee/Working Groups	Expert
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** Committee decided to nominate Shri Sudipta Bhaumik as a member of the IEC JWG3 between IEC SC86A and SC18A.

**6.3.2** Committee congratulated Shri Sudipta Bhaumik on being 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- Part 310: Cable element test methods- Strippability

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

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

6.4 Committee decided to vote positively on 86A/2136/CDV :IEC 60794-1-310 ED1 Optical fibre cables - Basic optical cable test procedures- Part 310: Cable element test methods- Strippability, Methods G10

#### **ITEM 7 WTO-TBT ENQUIRY POINT**

**7.1** The Committee noted the information given in Agenda.

**7.2** TEC officials informed that The Government of India, Ministry of Commerce has designated Telecom Engineering Centre (TEC) as the WTO-TBT Enquiry Point under the Agreement on Technical Barriers to Trade of the World Trade Organization (WTO) to answer all reasonable inquiries from other members and interested parties concerning standards, technical regulations and conformity assessment procedures related to telecom sector.

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India Enquiry point for Telecom Sector:  
Telecommunication Engineering Center (TEC) Contact Person: Mr Akhilesh Kumar Gupta

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

**8.1** The Committee noted the information given in Agenda.

#### **ITEM 9 INFORMATION ON E-SALE OF STANDARDS BY BIS**

**9.1** He also informed that all indigenously formulated Indian Standards can be downloaded from BIS website free of cost. However, people will have to pay for Indian

Standards, which has been adopted from other Standards bodies (like IEC/ISO etc.) but at much cheaper rate than its International editions.

## **Item 11 ANY OTHER ITEM**

### **Committee discussed on TEC Comments on IEC Voting Documents:**

1. Whether the documents mentioned have been discussed in the LITD-11 meetings? If yes, the details of meetings and the decision taken in the meetings may be communicated please.

Chairman of the Committee said BIS is following all procedures on IEC documents.

2. Whether the documents have been examined to check that they are in conformance with TEC Standards? The TEC documents are already available on the TEC website.

Documents circulated by IEC is for formulation of International Standards. The Committee members should go through the documents and inform the Committee if any draft Standard may not in conformance with Indian requirements. Also all members can check the IEC documents on [www.iec.ch/votes](http://www.iec.ch/votes)

3. Why Voting on IEC TC 46, 46A, 46C documents have been asked from LITD-11 members?

IEC TC 86 and its subcommittee maintains liason with ITU, IEC TC 46, IEC TC 91 etc. hence all those documents which are meant to circulate to other liasoning committees are forwarded to the members of NMCs.

Further, TEC being the nodal body for making Standards and Essential Requirements for Telecom products, it should be ensured that any suggestion/modification suggested in any international document should be examined in light of TEC documents already available.

Moreover, sufficient time may be provided to examine the documents specially, the proposal for New Work Items.

BIS is following all procedures as per IEC guidelines.

## **ITEM 12 DATE AND PLACE FOR THE NEXT MEETING**

**13.1** It was decided to next meeting will held within next three months. The meeting date and place for the next meeting will be decided in consultation with the chairman.

**ITEM 14 ANY OTHER BUSINESS**

**14.1** The member secretary requested all members to log in BIS website. Also on members request in future Agenda will be circulated approx. 2 weeks in advance.