

BUREAU OF INDIAN STANDARDS

14th Meeting of Audio, video and multimedia systems and equipment Sectional committee, LITD 07 in joint session with Audio Panel P1 (LITD 07/P1), Video Panel P2 (LITD 07/P2) and Multimedia delivery platform Panel P3 (LITD 07/P3)

Date : **Friday 17 December 2021**

Time : **1030 h** onwards

Meeting link:

<https://bisindia.webex.com/bisindia/j.php?MTID=m16665eeb942a5f228e34e5b70f5901c9>

Meeting number: 2511 136 5170

Password: 07@14

Chairman: **Shri Ajaya Gupta, E-in-C, DD**

Member Secretary: **Shri Kshitij Bathla**

MINUTES

List of Participants is given in Annex -1

ITEM 0 WELCOME

- 0.1** Member Secretary extended a warm welcome to the members present in the meeting and enquired about their well-being. He expressed that standardization is collaborative activity and active participation of all the members in the committee is essential.
- 0.2** Shri Ajaya Gupta, E-in-C Doordarshan, Chairman LITD 07 also gave a warm welcome to the members and invitees present in the online meeting. He appreciated the participation of the members and also emphasized on the need of more active participation. He requested members to respond to all documents of the committee, even if the input is no comments. He then requested the Member Secretary to take up the agenda items.

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

- 1.1** Member secretary informed that the minutes of the 13th meeting were circulated vide No. LITD 07/A-2.13 dated 24 March 2021. No comments have been received. The committee formally confirmed the minutes.

ITEM 2 REVIEW OF COMPOSITION OF SECTIONAL COMMITTEE LITD 07

- 2.1** The committee reviewed the composition of Audio, Video and Multimedia Systems and Equipment's Sectional Committee, LITD 07, as well as participation status of members and

also the composition of Audio Panel (LITD 07/P1), Video Panel (LITD 07/P2) and Multimedia Delivery Platform Panel (LITD 07/P3) as given in Annex -1 of the agenda.

2.2 Member secretary informed that members who have not participated in last 3 meeting have been approached for their active participation. The committee **decided to once again** approach organizations who have not participated in last 3 meetings.

Members secretary informed that there are some editorial mistakes in the composition like double entry of Consumer-voice, Ministry of Defence {DGQA, DQA(N)} and missing organization [GeM (Government e -Marketplace) from which nominations are awaited]. He informed that these mistakes would be rectified.

The committee co-opted Cable Operators Federation of India and Mr. Rajiv (In personal Capacity) in LITD 7/Panel 2.

Mr. Rajiv Khattar informed that Lt. C.V.C Khare (In personal capacity) has passed away. Members expressed sorrow on demise of Lt. C.V.C Khare (In personal capacity) and appreciated his contributions to the committee. The committee recommended withdrawal of Lt. C.V.C Khare (In personal capacity).

Updated composition is given in **Annex 2**.

ITEM 3 DRAFT STANDARDS UNDER WIDE CIRCULATION

3.1 The committee considered the information as given at item 3.1 of the agenda as well as inputs (addendum to agenda as Annex -8) of ALPS International and Member secretary's observations on Annex-8 of agenda. The committee **decided as follows**:

a) The committee **finalized following documents** for publication as Indian standard:

S.no	Document number	Title	Last date for Comments
1.	<u>LITD/07/18078</u> (Identical To: <u>IEC 62680-1-1:2015</u>)	Universal serial bus interfaces for data and power - Part 1-1: Common components - USB Battery Charging Specification	29 November 2021
2.	<u>LITD/07/18079</u> (Identical To: <u>IEC 62680-1-2:2021</u>)	Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification	29 November 2021
3.	<u>LITD/07/18081</u> (Identical To: <u>IEC 62680-1-3:2021</u>)	Universal serial bus interfaces for data and power Part 1-3: Common components USB Type-C Cable and Connector Specification	29 November 2021
4.	<u>LITD/07/18082</u> (Identical To: <u>IEC 62680-1-4:2018</u>)	Universal serial bus interfaces for data and power Part 1-4: Common components USB Type-CTM Authentication Specification	29 November 2021
5.	<u>LITD/07/18083</u> (Identical To: <u>IEC 62680-1-5:2019</u>)	Universal serial bus interfaces for data and power Part 1-5: Common components USB Audio 30 device class definition	29 November 2021

6.	<u>LITD/07/18084</u> (Identical To: IEC 62680-1- 6:2019)	Universal serial bus interfaces for data and power Part 1-6: Common components USB Audio 30 device class definition basic functions	29 November 2021
7.	<u>LITD/07/18085</u> (Identical To: IEC 62680-1- 7:2019)	Universal serial bus interfaces for data and power Part 1-7: Common components USB Audio 30 device class definition data formats	29 November 2021
8.	<u>LITD/07/18086</u> (Identical To: IEC 62680-1- 8:2019)	Universal serial bus interfaces for data and power Part 1-8: Common components USB Audio 30 device class definition terminal types	29 November 2021
9.	<u>LITD/07/18087</u> (Identical To: IEC 62680-2- 1:2015)	Universal serial bus interfaces for data and power Part 2-1: Universal Serial Bus Specification	3 December 2021
10.	<u>LITD/07/18088</u> (Identical To: IEC 62680-2- 2:2015)	Universal serial bus interfaces for data and power Part 2-2: Micro-USB Cables and Connectors Specification	3 December 2021
11.	<u>LITD/07/18089</u> (Identical To: IEC 62680-2- 3:2015)	Universal serial bus interfaces for data and power Part 2-3: Universal Serial Bus Cables and Connectors Class Document	3 December 2021
12.	<u>LITD/07/18090</u> (Identical To: IEC 62680-3- 1:2017)	Universal Serial Bus interfaces for data and power Part 3-1: Universal Serial Bus 31 Specification	3 December 2021

b) The committee **decided that** in case of no comments the following documents would be finalized for publishing as Indian standard and in case comments are received the comments would be put up to the committee:

S.no	Document number	Title	Last date for Comments
1.	LITD/07/18467 <u>Revision of IS 1885 : Part 24: 1967</u> (Identical To: IEC 60050- 723:1997)	International Electrotechnical Vocabulary Part 24 Broadcasting Sound Television Data	24 January 2022
2.	LITD/07/18468 (Identical To: IEC 60050- 801:1994) (Superseding IS 1885 (Part 3/Sec 1 to 8)	International Electrotechnical Vocabulary IEV Part 3: Acoustics and electroacoustics	24 January 2022

3.	LITD/07/18470 (Identical To: IEC 60050- 806:1996) (Superseding IS 1885 (Part 48/Sec1and 2)	International Electrotechnical Vocabulary IEV Part 48: Recording and Reproduction of audio and video	24 January 2022
4.	LITD/07/18480 <u>Revision of IS</u> 10423: 1982 (Identical To: IEC 61252:2017)	Electroacoustics- Specifications For Personal Sound Exposure Meters First Revision	29 January 2022
5.	LITD/07/18484 (Identical To: IEC 62087- 5:2015)	Audio video and related equipment Determination of power consumption Part 5: Set top boxes STB	29 January 2022
6.	LITD/07/18485 (Identical To: IEC 60645- 3:2020)	Electroacoustics Audiometric equipment Part 3: Test signals of short duration	29 January 2022
7.	LITD/07/18487 (Identical To: IEC 60268- 10:1991) (Superseding IS 9301 (Part 9/Sec 1), IS 9301 (Part 9/Sec 2), IS 9301(Part 9/Sec 3))	Sound system equipment Part 10: Peak programme level meters	29 January 2022
8.	LITD/07/18488 (Identical To: IEC 60098:2020) Superseding IS 6391, IS 9272 (Part 1), IS 9272 (Part 2) , IS 9729 and IS 9305)	Analogue audio disk records and reproducing equipment	29 January 2022
9.	LITD/07/18489 (Identical To: IEC 60107- 1:1997) superseding IS 4545 (Part 1), (Part 2), (Part 3), (Part 4), (Part 5), (Part 6), (Part 7, (Part 8)	Methods of measurement on receivers for television Broadcast transmissions Part 13: General considerations - Measurements at radio and video frequencies	29 January 2022
10.	LITD/07/18490 (Identical To: IEC 60107-	Methods of measurement on receivers for television Broadcast transmissions Part 14: Audio channels	29 January 2022

2:1997) (Superseding IS 4545 (Part 9):1983)	General methods and methods for monophonic channels	
--	--	--

c) The committee **decided to drop** LITD/07/18486 and to **issue FDIS of revised** version of IEC 60645-6:2009 “Electroacoustics Audiometric equipment Part 6: Instruments for the measurement of otoacoustic emissions” in wide circulation for a period of two months.

ITEM 4 PROGRAM OF WORK

4.1 The committee noted the present program of work of LITD 7 as given in Annex 2 of the agenda. List of product standards and withdrawn/superseded standards as given in Annex 2 of the agenda was not legible. Member secretary informed that Program of Work of all BIS technical committee could be accessed at BIS website(www.bis.gov.in) - https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/pow/pow_details and program of work gets updated as and when standards are published/withdrawn.

ITEM 5 REVIEW OF PUBLISHED INDIAN STANDARDS

5.1 The committee considered the information as given at item 5.1 and Annex 3, 3A, 3B,3C,3D & 3E of agenda.

Member secretary informed that s.no 1 to 24 {Standards Due for review (till- March 2022)} were reaffirmed based on the communication sent to the committee and inputs received from members. The committee **reaffirmed the** standards listed in **Annex -3** for a period of three years. Wherever the standards have been taken up for revision/withdrawal the committee **decided** to reaffirm the present version till the revised Indian standard is published or standard is approved for withdrawal.

Member secretary enquired about the utilization and need of below mentioned standards. He also suggested that all members, specifically Industry associations may inform if below mentioned standards are required and If the standards are not in use and have become obsolete then the committee may recommend withdrawal of these standards:

- IS 8234: 1976 ‘Specification for spools for magnetic tapes for sound recording and reproduction’
- IS 10351: 1982 ‘Specification for spools for 25 4 mm video magnetic tape’
- IS 10700: 1983 ‘Methods of measurement for magnetic tapes for video recording and reproduction’
- IS 12431: 1988 ‘Helical - Scan video tape cassette system using 12 65 mm 0 5 In magnetic tape on type VHS’

The committee **decided that in case** no one confirms the requirement/need of these standards by 31st January 2022 then the standards would be **recommended for** withdrawal and would be processed for necessary approval of LITDC (Electronics & IT Division Council).

ITEM 6 PROPOSAL FOR DEVELOPMENT/REVISION OF STANDARDS

6.1 DESIGN CRITERIA OF PA SYSTEM & TECHNICAL SPECIFICATION FOR PUBLIC ADDRESS (PA) SYSTEM

The committee considered the information as given at item 6.1 of the agenda. Member secretary informed that AAI (Airports Authority of India) had also enquired about the details of **equivalent Indian standards** for the Standards formulated by international bodies and this information has been already shared with the AAI. Information shared is given in **Annex 4**.

The committee requested LITD 7/Panel 1 “Audio Panel” to examine the proposal and to provide its recommendation at the earliest. LITD 7/Panel 1 was requested to invite AAI in its next meeting.

6.2 LOUDNESS ESTIMATION ALGORITHM FOR CINEMA SOUNDTRACKS

The committee considered the information as given at item 6.2 of the agenda. Dolby representative agreed with the observations of the Member secretary. Dolby representative informed the withdrawal of the proposal and also informed that they would complete necessary R&D and would consider submitting the revised proposal.

The committee considered the update provided by Dolby and **decided to** not take any action as the proposal has been withdrawn by the proposer.

6.3 CODE OF PRACTICE FOR INSTALLATION OF DTH (DIRECT TO HOME) AND CABLE TV

The committee considered the information as given at item 6.3 of the agenda. The committee **agreed** with the opinion of the LITD 12 and LITD 7/Panel 2 was requested to develop the CODE OF PRACTICE FOR INSTALLATION OF DTH (DIRECT TO HOME) AND CABLE TV. It was also **decided** that Panel will inform the timeline required for development of this standard in next meeting of LITD 7.

The committee co-opted Cable Operators Federation of India and Mr. Rajiv (In personal Capacity) in LITD 7/Panel 2 and also decided that LITD 7/Panel 2 may co-opt/withdraw the members as per the requirement of the work.

6.4 OPERATIONAL PRACTICES FOR MAINTAINING CONSISTENT BROADCAST LOUDNESS LEVELS

The committee considered the information as given at item 6.4 of the agenda and Fraunhofer’s inputs as given in Annex 7 (addendum to agenda) of the agenda.

Member secretary enquired about the involvement of Patents/Intellectual property rights related to the proposal. Member secretary informed that as per BIS procedures generally Standards should not use items covered by patent rights and this could be done only when technical reasons justify the use of items covered by patent rights and patent holder should be willing to negotiate worldwide licences under his rights with applicants throughout the world on reasonable and non-discriminatory terms and conditions.

Member secretary also suggested that all relevant stakeholder should be consulted before initiating the development of standard as well as during the development of standard.

Dolby representatives informed that as of now they are not aware of usage of Patents/Intellectual property rights however they would review the proposal and would provide confirmation and update. Dolby representative also informed the proposed standard could be a code of practice as well as guidance standard to be followed by all relevant stakeholders.

The committee **deliberated and decided** as follows:

- A) Requested Dolby to inform regarding usage of items covered by Patents/Intellectual property rights related to the proposal by 31st January 2022.
- B) New panel may be established to discuss and deliberate this proposal. Members were requested to suggest organizations which can be considered as member of proposed new panel. Members were also requested to provide suggestion for convener of proposed new panel.
- C) Audio Panel, LITD 7 P-1 to continue discussion related to this proposal till the time new panel is established.
- D) Requested members to share any other information or inputs related to the proposal.

6.5 PROPOSALS FOR STANDARD ON CAS

The committee considered the information as given at item 6.5 of the agenda. TRAI representative informed that based on the recommendation of multi-stakeholder committee TRAI notified amendment regulation i.e. THE TELECOMMUNICATION (BROADCASTING AND CABLE) SERVICES INTERCONNECTION (ADDRESSABLE SYSTEMS) (THIRD AMENDMENT) REGULATIONS, 2021 and Test requirements for Conditional Access System (CAS) and Subscriber Management Systems (SMS) have been incorporated as schedule IX of these regulations, 2021. TRAI representative informed that CDAC and STQC were also members of the multi-stakeholder committee.

Further TRAI representative also informed that TEC (Telecommunication Engineering Center), DoT has been designated as Testing and Certification Agency for Conditional Access System (CAS) and Subscriber Management Systems (SMS) for Broadcasting & Cable Services. TEC is in the process of developing test schedule corresponding to the requirements given in schedule IX of regulation.

The committee deliberated and STQC, the proposer of the draft Standard on Security testing of CAS (Conditional access system) was **requested to consider** the update provided by TRAI and to confirm if still there is requirement for development of Indian standard on security testing of CAS (Conditional access system) by this committee.

LITD 7/Panel 3 was also requested to consider the input of STQC and to provide its recommendation w.r.t development of Indian standard on security testing of CAS (Conditional access system). It was **decided** that inputs of STQC and LITD 7/Panel 3 would be put up to the committee for further consideration.

6.6 INTEROPERABILITY OF SET TOP BOXES

6.6.1 The committee considered the information as given at item 6.6 of the agenda. The committee **decided to again request Ministry of I&B to inform their decision/feedback at the earliest.**

The committee deliberated and **established** Panel 5 “Set-top Box Standards”. Panel 5 was assigned the task to review all Indian set-top box standards to work out the changes required in the standards. The committee also decided that Panel would discuss the interoperability aspect only after response is received from Ministry of I&B.

Panel 5 was also requested to consider following suggestion of Mr. Rajiv Khattar:

“The Review committee on the television ratings and TRAI has mentioned the importance of the Return Path Data (RPD) in the Set Top Boxes and recommend that they be a feature of the STB’s for Cable Tv, DTH and distribution platforms, thus we need to discuss this and may be sectional committee takes a discussion on this on a parallel route to keep the draft specs ready”

Composition of Panel 5 as decided by the committee is as follows:

- Mr. Mazhar Umer (BECIL) - Convener
- Dish TV- Member
- Tata sky- Member
- Cable operator’s federation of India- Member
- All India Digital Operator’s federation- Member
- Doordarshan – Member
- C-Dot – Member
- Dolby India -Member
- Fraunhofer India- Member
- Mr. Rajiv Khattar (In Personal Capacity) - Member

The committee also **decided** that Panel 5 may co-opt/withdraw members as per requirement of the work.

6.6.2 TATA Sky Query related to use of wideband tuners for STBs (300 – 2350 MHz):

TRAI representative informed that TRAI has no regulation on this aspect and DoT (Department of Telecommunications) should be contacted to confirm if usage of Input frequency for STB (as per IS 15954 :2012, Digital set top box for MPEG-4 DTH services – Specification) below 950 MHz and if usage of Input frequency above 2150 Mhz is allowed in India.

The committee decided to request WPC (Wireless planning commission), DoT to confirm if usage of Input frequency for STB (as per IS 15954 :2012, Digital set top box for MPEG-4 DTH services – Specification) below 950 MHz and if usage of Input frequency above 2150 Mhz is allowed in India.

ITEM 7 REVIEW OF STANDARDS ON HEARING AIDS

7.1 The committee considered the information as given at item 7.1 of the agenda. Mr. Alok Narang informed that Panel 1 meeting need to be planned. The committee requested Panel 1 to plan meeting and share the draft revised standards of following standards, at the earliest:

- 1) IS 10775 : 1984 Body level hearing aids

ITEM 8 PUBLICATION OF IS/IEC 62368-1:2018

8.1 The committee noted the information as given at item 8.1 and 8.2 of the agenda.

ITEM 9 EXPERT(S) NOMINATED IN IEC TC 29/100/108

9.1 The committee considered the information as given at item 9.1 of the agenda and requested members to provide update w.r.t their participation in next meeting.

9.2 Member secretary also informed that next TC 29 plenary meeting is scheduled to be held during 31st Oct -4 Nov 2022. Members may consider participation and confirm their participation by 15th August 2022.

ITEM 10 MANAKONLINE

10.1 The committee noted the information as given at item 10.1 of the agenda.

ITEM 11 DATE AND PLACE FOR THE NEXT MEETING

11.1 Member secretary suggested to hold next meeting in March 2022 however due to March being closing of Financial year the committee decided to tentatively hold next meeting in 2nd week of April 2022, final date and place will be decided in consultation with the chairman.

ITEM 12 ANY OTHER BUSINESS

12.1 There being no other points to be discussed, meeting ended with a vote of thanks to Chairman and all members and invitees for attending the meeting.