

BUREAU OF INDIAN STANDARDS

Minutes

15th 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), Multimedia delivery platform Panel P3 (LITD 07/P3) and “Set-top Box Standards” Panel 5 P5(LITD 07/P5)

DATE: 08 August 2022 DAY : Monday TIME: 1000h-1300h	VENUE: Hybrid mode Samvaad (Green room), BIS HQ, New Delhi and Webex Meeting link: https://bisindia.webex.com/bisindia/j.php?MTID=m8b2266844894abae3afae49910df12c9 Meeting number: 2510 416 0430 Password: 15@7
Chairperson: Shri Ajaya Gupta, E-in-C, DD	Member Secretary: Shri Kshitij Bathla

List of participants is given in Annex-1.

ITEM 0 WELCOME

- 0.1** Member Secretary extended a warm welcome to the members and invitees present in the meeting and enquired about their well-being.
- 0.2** Shri Ajaya Gupta, E-in-C Doordarshan, Chairperson LITD 07 also gave a warm welcome to the members and invitees. 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 Fourteenth meeting of LITD 7 sectional committee held on 17 December 2021 were circulated on 07 January 2022 and no comments have been received. The Committee formally **confirmed** the minutes.

ITEM 2 REVIEW OF COMPOSITION OF SECTIONAL COMMITTEE LITD 07

- 2.1** Member secretary informed that after the issuance of Agenda, revised nominations have been received from Directorate of Coordination, Police Wireless and ECIL confirmed participation in the meeting. Member secretary also informed that Broadband India forum has provided following response:

“We would like to sincerely apologise for not being able to participate and contribute to the ‘LITD 7- Audio, Video And Multimedia Systems & Equipment Sectional Committee’. This is due to the fact that we are pressed for resources and that the subjects

covered by the LITD 7 Committee do not fall within the ambit of our activities and engagements. In view of the same, we would like to humbly request you to excuse our participation, and remove us from your list as a Member of the LITD 7 Committee.”

The committee **considered** the updates provided by Member secretary, information as given at item 2.1,2.2,2.3 of the agenda and reviewed the composition of Audio, Video and Multimedia Systems and Equipment’s Sectional Committee, LITD 07, along with participation status as given in Annex-1 of the agenda. The committee agreed to Broadband India forum’s request and **recommended** withdrawal of Broadband India forum. The committee also decided to once again approach organizations where participation is 0/3.

ITEM 3 DRAFT STANDARDS UNDER WIDE CIRCULATION

3.1 The committee considered the information as given at item 3.1 and 3.2 of the agenda. Mr. A B Lal sought one-week time to examine ‘LITD/07/19232 IS 15596: Part 3: 2016 (Identical To: IEC 60268-3:2018) Sound system equipment Part 3: Amplifiers’. The committee **considered and decided as follows:**

a) **finalized** following documents for publication/printing as Indian standard:

S. No	Documents Number	Title
1.	LITD/07/19229 IS 15059: 2018 (Identical To: IEC 60942:2017)	Electroacoustics - Sound calibrators Second Revision
2.	LITD/07/18749 IS 15572: 2015 (Identical To: IEC 61938:2018)	Multimedia systems Guide to the recommended characteristics of analogue interfaces to achieve interoperability Second revision
3.	LITD/07/19230 IS 15575 : Part 2: 2016 (Identical To: IEC 61672-2:2017)	Electroacoustics Sound level meters Part 2: Pattern evaluation tests Second Revision
4.	LITD/07/19228 IS/IEC 60958 : PART 1: 2014 (Identical To: IEC 60958-1:2021)	Digital Audio Interface Part 1: General Second Revision
5.	LITD/07/19233 IS 15596 : Part 4: 2016 (Identical To: IEC 60268 Part 4:2018)	Sound system equipment - Part 4: Microphones First Revision
6.	LITD/07/19231 IS 16422 : 2016 (Identical To: IEC 62684:2018)	Interoperability specifications of common external power supplies EPS for use with data-enabled mobile telephones First Revision

- b) For following documents, in case of receipt of comments by the due date the comments would be put up to the committee for further consideration and in case of no comments by due date, the documents would be finalized and processed for publication/printing as Indian standard:

1.	LITD/07/19232 IS 15596 : Part 3: 2016 (Identical To: IEC 60268-3:2018)	Sound system equipment Part 3: Amplifiers Second Revision	20 th August 2022
2.	LITD/07/20180 (Identical To: IEC 60645-6:2022)	Electroacoustics Audiometric equipment Part 6: Instruments for the measurement of otoacoustic emissions	27 th September 2022

ITEM 4 PROGRAM OF WORK

4.1 The committee considered the information as given at item 4.1 and ANNEX-2 of the Agenda. The committee decided to take up latest version of ISO/IEC standard or amendment as draft revised Indian standard/Amendment to Indian Standard. The committee **decided to issue** such revised version/amendment of ISO/IEC standards as draft revised Indian standard/Amendment to Indian Standard in wide circulation for a period of two months. List of such standards is given in **Annex-2**.

ITEM 5 REVIEW OF PUBLISHED INDIAN STANDARDS

5.1 The committee considered the information as given at item 5.1 of the agenda and Annex-4,5,6,7&8 of Agenda. The committee's decision is given in **Annex-3**.

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. Mr. A B Lal LITD 7/Panel 1 Convener informed that he has not yet received any input from AAI and AAI has also not suggested other stakeholders (specifically private operators who are managing Airports) which should be consulted while developing standard. LITD 7/Panel 1 convener also informed that he got information that concerned officer from AAI (Airports Authority of India) has been transferred. Member secretary informed that he has no such information and he would enquire from AAI and request AAI to provide their inputs on draft at the earliest. Regarding involvement of private Airport operators, Mr. Rajiv Khattar suggested to approach Airport Economic Regulatory Authority of India. He volunteered to help member secretary.

The committee **agreed to the suggestions** and also requested LITD 7/Panel 1 to recommend timeline required for development of standard.

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

The committee **considered** the information as given at the item 6.3 of the agenda. The committee **requested** LITD 7/Panel 2 to plan meeting at the earliest and to suggest timeline required for development of standard for CODE OF PRACTICE FOR INSTALLATION OF DTH (DIRECT TO HOME) AND CABLE TV.

6.3 OPERATIONAL PRACTICES FOR MAINTAINING CONSISTENT BROADCAST LOUDNESS LEVELS

The committee **considered** the information as given at item 6.4 of the agenda. The committee **deliberated and requested** members to suggest organizations which can be considered as member of the proposed new panel. Members were also requested to provide suggestion for convener of the proposed new panel. The committee **decided** that Dolby's inputs regarding usage of items covered by Patents/Intellectual property rights related to the proposal and timeline for the proposal should be considered by the proposed panel.

6.4 PROPOSALS FOR STANDARD ON CAS

The committee considered the information as given at item 6.5 of the agenda. The committee **deliberated and considering** the TRAI's inputs provided in last meeting and further inputs of STQC and Tata Play; the committee **decided** to not develop Indian standard on Security testing of CAS (Conditional access system).

6.5 INTEROPERABILITY OF SET TOP BOXES

6.5.1 The committee considered the information as given at item 6.6 of the agenda. The committee **deliberated and decided** as follows:

- a) Requested LITD 7/Panel 5 to consider all inputs related to set-top boxes at the earliest.
- b) Appointed Doordarshan [Sh. K K Rao Director (Engg.)] as convener of LITD 7/Panel 5.
- c) To once again request Ministry of I &B to provide inputs on TRAI recommendation on "Interoperability of Set Top Boxes".
- d) To once again 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.

6.6 Request for formulation of BIS Standard for built-in Satellite Tuner in place of Analog TV tuner in all TV sets/LCD/LED Display sets in India

The committee **considered** the information as given at item 6.7 of the agenda and Annex-19 of the Agenda. Mr. A K Jha, Doordarshan representative provided brief background related to the proposal. He informed that in last 2-3 years analog transmission has been phased out in Doordarshan, Prasar Bharti and in next few years Analog transmission would be completely phased out. Considering this scenario, based on the discussion of Ministry of I & B and Prasar Bharti it was thought that Analog tuners in TV(Television) are redundant and BIS has been requested to consider if a specification could

be developed which could replace the existing Analog tuners of TV with DVB S/S2 compliant satellite tuner which would be beneficial to the citizens of the country at large.

Member secretary informed that Proposer has been requested to provide proposal in the prescribed format for new proposal as well and the same would be shared with committee.

The committee **deliberated** and members were of opinion that idea is good and appreciated the proposal. It was opined that the proposal may be beneficial for the consumer. The committee **deliberated and decided that** proposal should be discussed in detail by a Panel to consider development of standard. LITD 7/Panel 5 “Set-top Box Standards” was requested to consider the proposal and provide its recommendations at the earliest. LITD 7/Panel 5 was requested to consider following points (conveyed by the participants of the meeting) while considering the Doordarshan’s proposal:

- i. Consideration of whole ecosystem and future plans like launch of DTT (Digital Terrestrial Transmission), broadcasting on Mobile phones; if any.
- ii. Addition of tuner for Terrestrial and Cable as well i.e. DVB-T and DVB-C tuner apart from DVB-S/S2 tuner.
- iii. Requirement of sufficient Time for implementation by Industry

The committee appointed Doordarshan [Sh. K K Rao Director (Engg.)] as convener of LITD 7/Panel 5. Following organizations were co-opted in LITD 7/Panel 5:

- a) Samsung
- b) Ministry of Electronics & IT (MeitY)
- c) NAGRAVISON India Private Limited
- d) Telecom Regulatory Authority of India (TRAI)
- e) Irdeto
- f) Synamedia
- g) Consumer Electronics and Appliances Manufacturers Association (CEAMA)
- h) Manufacturers` Association for Information Technology (MAIT)

Organizations were requested to nominate their representatives at the earliest so that Panel 5 may start deliberations at the earliest.

ITEM 7 REVIEW OF STANDARDS ON HEARING AIDS

7.1 The committee considered the information as given at item 7.1 of the agenda. Member secretary informed that he has also received draft of IS 10775. LITD 7/Pane l **was requested** to consider the drafts at the earliest and to finalize following drafts for issuing drafts in wide circulation:

- 1) IS 10775 Body level hearing aids
- 2) IS 16127 Behind the ear (BTE) Hearing aid - Digital – Specification

ITEM 8 MEETINGS OF IEC TC 29, IEC TC 100 and IEC TC 108

8.1 The committee considered the information as given at item 8.1 and decided to have a meeting to finalize India’s view points for the next meetings of IEC TC 29, TC 100 and TC 108 scheduled to be held at San Francisco (US).

Item 9 MANAKONLINE

9.1 The committee noted the information as given at item 9.1 of the agenda.

ITEM 10 DATE AND PLACE FOR THE NEXT MEETING

10.1 It was decided to tentatively hold meeting in December 2022, final date and place will be decided in consultation with the chairperson.

ITEM 11 ANY OTHER BUSINESS

11.1 Member Secretary informed the committee about the BIS's initiative of Awards to recognize the contributions of Committee and committee members.

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