

BUREAU OF INDIAN STANDARDS

MINUTES

18TH MEETING OF AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT SECTIONAL COMMITTEE, LITD 07 IN JOINT SESSION WITH AUDIO PANEL P1 (LITD07/P1), VIDEO PANEL P2 (LITD 07/P2), MULTIMEDIA DELIVERY PLATFORM PANEL P3 (LITD 07/P3), BROADCAST LOUDNESS PANEL P4 (LITD 07/P4) AND SET-TOP BOX STANDARDS PANEL P5 (LITD 07/P5)

DATE: 23 October 2024 DAY: Wednesday TIME: 1100h-1330h	VENUE: Virtual mode Webex Meeting link: https://bismanak.webex.com/bismanak/j.php?MTID=ma0967b981585a7b16a42c67bb0eaea75 Meeting number: 2516 954 1230 Password : litd7@18 Join by video system Dial 25169541230@bismanak.webex.com You can also dial 210.4.202.4 and enter your meeting number
Chairperson: Smt. Anuradha Agarwal	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 participants. Member secretary informed that Shri N. Thiyagarajan, ADDL DG (E), chairperson LITD 07 had superannuated and Smt. Anuradha Agarwal, ADG (E) is new chairperson of LITD 07. The committee appreciated the guidance provided by Shri N. Thiyagarajan, ADDL DG (E), as chairperson of LITD 07 and welcomed Smt. Anuradha Agarwal as chairperson of LITD 07.
- 0.2** Smt. Anuradha Agarwal, chairperson LITD 07 welcomed all the participants. She suggested that the committee should suggest new stakeholders for co-option and panels should also regularly plan meetings. She also requested members to increase their participation to the International Standardization activity. She conveyed that BIS has been making sincere efforts to update the standards and requested members to support these initiatives.
- 0.3** Member Secretary briefly explained the standardization process. Presentation is given in **Annex-2**.

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

- 1.1** Member Secretary informed that the minutes of the 17th meeting of Audio, Video and Multimedia Systems and Equipment, Sectional Committee held on 17 November 2023 were circulated on 29

December 2023 and no comments have been received. The committee formally confirmed the minutes of the meeting.

ITEM 2 REVIEW OF SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE LITD 07

2.1 The committee considered the following scope of LITD 7:

To prepare Indian Standards including safety requirements relating to:

- a) Audio, video and multimedia systems and equipment,
- b) Acoustics, electroacoustics and related instruments.

Liaison: ISO TC 43 / SC 1 - Noise - Observer (O); IEC TC 29 - Electroacoustics - Principle (P) ; IEC TC 108 - Safety of electronic equipment within the field of audio/video, information technology and communication technology - Principle (P) ; IEC TC 100 - Audio, video and multimedia systems and equipment - Principle (P)

2.2 Member Secretary informed that organizations were approached to confirm their nominations and accordingly revised nominations have been received from Ali Yavar Jung National Institute of Speech And Hearing Disabilities (Divyangjan), All India Institute for Speech and Hearing and these have been updated on BIS website however, revised nominations not yet updated in the Annex-1 of the agenda. He also informed that ECIL is mentioned as member however, presently ECIL is not a member. He also informed that ECIL has requested for co-option.

2.3 Further, Member secretary informed that as per the directives given by BIS management; failure to attend two consecutive meetings of the technical committee shall attract termination of the membership of the Technical Committee. The committee considered the composition of Audio, Video and Multimedia Systems and Equipment; Sectional Committee, LITD 07 and its panels as given in Annex-1 of the agenda. Member secretary conveyed that for LITD 7 we need to include more stakeholders from academia.

2.4 MAIT representative informed that Mr. Raunak Mishra is no longer associated with MAIT so his name should be removed and Mr. Kuldeep Yadav (Kuldeep@mait.com) shall be included as alternate member. All organizations were requested to confirm their nominations to the committee/panel. It was decided to approach all the organizations who have not participated in 17th or 18th meeting, to confirm their willingness to standardization work of the committee.

2.5 The committee considered the information as given at item 2.3 of the agenda. Mr. Alok Narang informed that ISO 389 series, ISO 8253 series and ISO 21338 series of ISO/TC 43 are important to the work IEC TC 29. NPL, Ahuja Radios and ALIMCO suggested that Acoustics is an important area and we should actively participate in this area. The committee deliberated and requested all organizations (except ALPS, who had already informed their representatives) to consider and nominate their representatives for active participation to the work of ISO/TC 43. The committee also requested LITD 7/Panel 1 to examine and identify the relevant groups and standards of ISO/TC 43. It was decided that decision regarding P-membership will be considered subsequently, based on the recommendations of the LITD 7/Panel 1 and interest of the stakeholders for active participation. Members were also requested to suggest other stakeholders related to the field of acoustics and electroacoustics.

2.6 The committee considered the co-option requests. Member secretary informed that BIS has Memorandum of Understanding (MoU) with many Academic Institutes for collaboration in the field of Standardization

and Conformity Assessment, as a consequence of this we are expecting more active participation of Academia in the standardization work. Prof. Yatindra Nath Singh conveyed his experience of his association with IETF and IEEE. He was requested to provide his views for further discussions in the next meeting.

ALIMCO informed that Prof. Yaduvir Singh, Harcourt Butler Technical University, Kanpur (HBTU, Kanpur) has shown interest to be member of LITD 7. ALIMCO was requested to connect Prof. Yaduvir Singh with member secretary for further course of action. The committee deliberated and decided as follows:

S.no	Name	Organization
1	Mr. Gautam D Makwana	The committee decided to include all co-option requests as invitee. They should be requested to identify the relevant panels and standards of LITD 7 for their active participation so that accordingly they could be included as invitee in the respective group. It was also decided that based on their contributions, the decision for co-option will be taken in the subsequent meetings. Member Secretary was requested to seek organization's authorization letters from Mr Gautam D Makwana, Mr Manish Okade and Mr Rahul Ingle.
2	Mr. Manish Okade	
3	Mr. Rahul Ingle	
4	ECIL	
5	Mr. Durgesh Vishwakarma	It was decided to not co-opt as profile is not relevant to the committee work.

ITEM 3 DRAFT STANDARDS UNDER WIDE CIRCULATION/PRELIMINARY DRAFT

3.1 The committee considered the information as given at item 3.1 of the agenda. Member secretary informed that BIS standardization module has provisions for providing comments as well the option to mark their input as 'I agree with the draft'. It was informed that all committee, panel members shall provide their inputs (either comments for improvement or mark 'I agree with the draft'). The committee deliberated and decided as follows:

S. No	Documents Number	Title	Last date for Comments	Decision/Remarks
1.	LITD/07/24465 IS/IEC 60118 : Part 0: 2015 (Identical To: IEC 60118-0: 2022)	Electroacoustics Hearing Aids- Part 0: Measurement of the Performance Characteristics of Hearing Aids (First Revision)	18 February 2024	The committee finalized the document for publication as an Indian Standard.
2.	LITD/07/24444 IS/IEC 62087 : Part 3: 2015 (Identical To: IEC 62087-3: 2023)	Audio Video and Related Equipment- Determination of Power Consumption Part 3: Television Sets (First Revision)	18 February 2024	The committee finalized the document for publication as an Indian Standard.
3.	LITD/07/24432 IS 14231 : Part 10: 2003 (Identical To: IEC 60728-6:2011)	Cable Distribution System for Television and Sound Signals Part 10: Optical Equipment Consumption (First Revision)	11 February 2024	The committee finalized the document for publication as an Indian Standard.
4.	LITD/07/24433 IS/IEC 62623 : 2012 (Identical To: IEC 62623: 2022)	Desktop and Notebook Computers Measurement of Energy Consumption (First Revision)	11 February 2024	The committee noted the information.

5.	LITD/07/23794 IS/IEC 62368 : Part 1: 2018 (Identical To: IEC 62368-1:2023)	Audio/video Information and Communication Technology Equipment - Part 1: Safety Requirements Second Revision	15 December 2023	
6.	LITD/07/24644 IS 10775: 1984	Specification for Body Level Hearing Aids	23 December 2024	Member Secretary informed that as IEC
7.	LITD/07/24643 IS 16127: 2013	Behind the Ear BTE Hearing Aids Digital Specification	23 December 2024	60118-7 referred in the drafts was withdrawn so accordingly relevant clauses of IEC 60118- 0:2022 were referred before issuing these drafts. Members were specifically requested to examine these references.

3.2 The committee considered the information as given at item 3.2 of the agenda and decided as follows:

S. No	Documents Number	Title	Last date for Comments	Decision
1.	LITD/07/23762 Revision of IS 14230: 1995	C - Band parabolic dish antenna Specification (First Revision)	10 November 2023	It was decided to issue draft standards in wide circulation for a period of two months.
2.	LITD/07/23763 Revision of IS 7136: 1973	Specification for megaphones (First Revision)	10 November 2023	
3.	LITD/07/23764 Revision of IS 14265: 1995	Satellite receiver Specification (First Revision)	10 November 2023	
4.	LITD/07/26689 Revision of IS 18112 : 2022	Digital Television Receiver For Satellite Broadcast Transmission Specification(First Revision)	17 th October 2024	It was decided to issue draft standard in wide circulation for a period of 1 month. (Please also refer item 6.5)

ITEM 4 PROGRAM OF WORK

4.1 The committee considered the information as given at item 4.1 of the agenda. The committee considered the list of published standards as given in Annex-2 of the agenda.

4.2 The committee considered the information as given at item 4.2 of the agenda and decided as mentioned below:

S.No	IS No.	TITLE	Corresponding International standard	Status of Corresponding International Standard/Remarks	Decision
1.	IS 11889 2018	Simultaneous interpreting - Permanent booths - Requirements (First Revision)	Identical with ISO 2603-2016	Revised by : ISO 17651-1:2024 Simultaneous interpreting Interpreters' working	The committee decided to revise Indian standard to align with the corresponding latest

				environment Part 1: Requirements and recommendations for permanent booths	ISO standard. It was decided to issue ISO standard in wide circulation for a period of two months.
2.	IS 7194 : 2018	Acoustics - Estimation of noise Induced hearing loss (Second Revision)	Identical with ISO 1999 : 2013 'Acoustics - Estimation of noise induced hearing loss'	To be revised : ISO 1999:2013 will be replaced as revision is under development. Current stage ISO/DIS 1999 'Acoustics - Estimation of noise-induced hearing loss'	The committee decided to revise Indian standard to align with the corresponding latest ISO standard. It was decided to issue FDIS of ISO standard in wide circulation for a period of two months.
3.	IS 616 : 2017	Audio, video and similar electronic apparatus - Safety requirements (Fifth Revision)	Identical with IEC 60065 : 2014 'Audio, video and similar electronic apparatus - Safety requirements'	IEC 60065 : 2014 has been Withdrawn	The committee noted the information. It was decided to retain the Indian standards as these are referred in set-top box standards
4.	IS 13252 (Part 1) : 2010	Information technology equipment - Safety: Part 1 general requirements (Second Revision)	Identical with IEC 60950-1 : 2005 ' Information technology equipment- Safety - Part 1: General requirements'	IEC 60950-1 has been withdrawn	as well as these are also covered under compulsory registration order issued by Ministry of Electronics and IT.
5.	IS 13252 (Part 21) : 2013	Information technology equipment - Safety: Part 21 remote power feeding	Identical with IEC 60950-21:2002	IEC 60950-21 has been withdrawn.	
6.	IS 13252 (Part 22) : 2019	Information technology equipment - Safety: Part 22 equipment to be installed outdoors (First Revision)	Identical with IEC 60950-22 : 2016	IEC 60950-22 has been withdrawn.	
7.	IS 13252 (Part 23) : 2014	Information technology equipment - Safety: Part 23 large data storage equipment	Identical with IEC 60950-23 : 2005	IEC 60950-23 has been withdrawn.	

ITEM 5 REVIEW OF PUBLISHED INDIAN STANDARDS

5.1 The committee reviewed the standards due for review during April 2024-March 2025 and agreed to the recommendation as mentioned in Annex-3 of agenda.

5.2 The committee reviewed the standards as mentioned in Annex-4 of the agenda and decided as mentioned in the **Annex-3**.

ITEM 6 PROPOSALS FOR DEVELOPMENT/REVISION OF STANDARDS AND TASKS ASSIGNED TO PANELS

6.1 LITD 7/P 1 – Audio Panel

The committee considered the information as given at item 6.1 of the agenda. LITD 7/Panel 1 was requested to regularly plan meetings to review documents of IEC TC 29 to finalize India's view related to these documents.

6.2 LITD 7/P 2- Video Panel

The committee considered the information as given at item 6.2 of the agenda. LITD 7/Panel 2 was requested to plan meeting at the earliest and to suggest further course of action related to the proposal 'CODE OF PRACTICE FOR INSTALLATION OF DTH (DIRECT TO HOME) AND CABLE TV'

6.3 LITD 7/P 3 - Multimedia Delivery Platform Panel

The committee considered the information as given item 6.3 of the agenda. LITD 7/ Panel 3 was requested to regularly plan meetings to review documents of IEC TC 100 and TC 108 to finalize India's view related to these documents. LITD 7/Panel 3 was also requested to consider the queries related to CRS.

6.4 LITD 7/P 4 - Broadcast Loudness Panel

The committee considered the information as given item 6.4 of the agenda. All Panel members were requested to provide inputs as decided in the last LITD 7/Panel 4 meeting. Members were requested to share inputs at the earliest.

LITD 7/Panel 4 was requested to suggest timeline and further course of action regarding 'Broadcast loudness proposal'

6.5 LITD 7/P 5 -Set Top Box Standards Panel

The committee considered the information as given item 6.5 of the agenda.

Sony representative informed that for some of the requirements it is mentioned as 'Compliance is checked by Inspection' and enquired whether testing is required to demonstrate compliance to such requirements. Samsung representative also concurred with the view of Sony, they also mentioned that there should be some description of test methods as well.

It was informed that 'Compliance is checked by Inspection' is in itself a standard phrase used in the standards and testing is required for all the requirements mentioned in the standard until unless it is mentioned otherwise like phrase 'no separate test is required' is mentioned for some of the requirements. CEAMA representative also concurred with the view that 'Compliance is checked by Inspection' is a standard phrase used in the standards. Doordarshan representatives expressed that mentioning 'Compliance is checked by Inspection' is sufficient and no addition/deletion is required to this phrase. Further, regarding test methods, it was opined that members shall inform the test methods already being used by them so that same can be accordingly included in the draft standard, if required.

CEAMA representatives also informed that they had shared a letter related to IS 18112 on 30th July 2024 however, there is no mention of their communication in this agenda. Member Secretary informed that agenda has mentioned inputs received only against LITD/07/26689; Inputs received related to IS 18112:2022 were considered by LITD 7/Panel 5 in its last meeting and he had received written inputs of Samsung and MAIT. He had not received any communication from CEAMA. CEAMA representative informed that they will share that letter only for records and no action is required for the letter as actions have been already taken up w.r.t

the letter.

The committee deliberated and It was decided to issue LITD/07/26689 (Revision of IS 18112:2022) in wide circulation for a period of 1(one) month. All were specifically requested to inform if any specific change is required or any further guidance needs to be included related to the column 5 'Compliance criteria and Test Method(s)'. It was also decided that LITD 7/Panel 5 may plan meeting before completion of wide circulation period to discuss any such change, if required. Members, specifically Manufacturers and Industry associations were requested to share any such suggestion along with specific addition/deletion at the earliest, if required.

Further, Doordarshan representatives informed that stream has been already shared with TV manufactures and associations. Samsung informed that they have examined the stream and have no further feedback for the stream. Sony and Industry associations informed that they need more time to examine. It was decided that All manufacturers and Industry associations shall examine and share their feedback with Doordarshan by 1st November 2024 and Doordarshan shall share final stream with Manufactures, Industry associations and laboratories by 8th November 2024.

6.6 INTEROPERABILITY OF SET TOP BOXES

The committee noted the information as given item 6.6 of the agenda. BECIL representative requested to share the communication with BECIL so that BECIL may also take up with Ministry of Information and Broadcasting.

ITEM 7 INTERNATIONAL STANDARDIZATION ACTIVITIES

7.1 MEETINGS OF IEC TC 29, IEC TC 100 and IEC TC 108

The committee considered the information as given item 7.1 of the Agenda. The committee approved the virtual participation of Mr. Kshitij Bathla in IEC TC 100 meetings (18th November 2024 to 22nd November 2024).

7.2 Documents of IEC TC 29, TC 100 and TC 108 due for voting

The committee considered the information as given item 7.2 of the agenda. The committee agreed to submit inputs as mentioned in Annex-5 of the agenda.

7.3 Under development standards by IEC TC 29, IEC TC 100 and IEC TC 108

The committee considered the information as given item 7.3 of the agenda and members, specifically Industry associations were requested to provide their inputs so that LITD 7 may identify the relevant priority areas for Indian context and increase our participation in IEC TC 29, TC 100, TC 108. Member secretary informed about the recent directions to categorize projects as High/Medium at NP stage and to designate experts for all such projects. All were requested to identify the under development projects (preferably projects at WD/AWI stage) for contribution as experts in the respective groups of IEC TC 29,100 & 108.

ITEM 8 R&D PROJECTS

The committee considered the information as given at item 8.1 of the agenda. Member Secretary informed that Meeting of Research Evaluation Committee (REC) for Research and Development Projects is scheduled to be held on 24th October 2024. He also informed that as and when projects will be awarded then LITD 7 has to regularly monitor the progress as per the R&D Guidelines.

ITEM 9 STANDARDIZATION PROCESS REFORMS

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

ITEM 10 INFORMATION RELATED TO IMPLEMENTATION OF STANDARDS

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

ITEM 11 MANAKONLINE

11.1 The committee noted the information as given at item 11.1 of the agenda.

ITEM 12 DATE AND PLACE FOR THE NEXT MEETING

12.1 It was decided to hold the next meeting tentatively in the second week of February 2025. Final date and place will be decided in consultation with the chairperson.

ITEM 13 ANY OTHER BUSINESS

13.1 There being no other business to be discussed, meeting ended with vote of thanks to chairperson and all the participants.