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BUREAU OF INDIAN STANDARDS

AGENDA

16TH 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: 11 September 2023 DAY : MONDAY TIME:10:30h-13:30h	VENUE: Hybrid mode Lal C. Verman Hall, BIS HQ, New Delhi and Webex Meeting link: https://bismanak.webex.com/bismanak/j.php?MTID=m031d1b9e65c9c2bb342457301bab2b5d Meeting number: 2510 074 2067 Password : 7@16
Chairperson: Shri N.Thiyagarjan	Member Secretary: Shri Kshitij Bathla

ITEM 0 WELCOME

- 0.1 Welcome
- 0.2 Opening Remarks by the Chairperson

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

- 1.1 The minutes of the fifteenth meeting of the Artificial Intelligence sectional committee held on 08 August 2022 were circulated on 16 August 2022. Mr. Rajiv Khattar had provided some observations as given in Annex-1.

The Committee may consider and formally confirm the minutes.

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

- 2.1 Scope of LITD 7 is
“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 The composition of Audio, Video and Multimedia Systems and Equipment; Sectional Committee, LITD 07, along with participation status is given in **Annex-2**.

2.3 The composition of Panels is also given in **Annex-2**.

The Committee may review scope and composition.

2.4 Co-option requests have been received from following:

S.no	Name	Organization
1	Mr. Atul Kanojia	TWD Sun Acoustic Pvt Ltd
2	Mr. Vikas	QIMA Ltd
3	Mr. Vineet Joshi	Dahua Technology India Pvt Ltd.
4	Mr. Chandra Shekhar	IndiaNatus India Private ltd
5	Mr. Praveen Krishnan	React Laboratories
6	Mr. Hardik	Reliable Analytical Labs Pvt Ltd
7	Mr. Vikas	TUV Rheinland Pvt. Ltd., Gurgaon
8	Mr. Srinath Ramaraju	C-PRAV Indian Certification services

The Committee may consider and decide.

ITEM 3 DRAFT STANDARDS UNDER WIDE CIRCULATION

3.1 Based on the decisions taken in last meeting and subsequent consultations, following documents have been issued in wide circulation and status is as follows:

S.No	Documents Number	Title	Last date for Comments	Remarks/Inputs Received
1.	LITD/07/22081 IS/IEC 63002:2021 (Identical To: IEC 63002:2021)	Interoperability Specifications and Communication Method for External Power Supplies used with Computing and Consumer Electronics Devices	09 May 2023	
2.	LITD/07/22082 IS/IEC 62680-4-1: 2022	Universal Serial Bus Interfaces	10 May 2023	

	(Identical To: IEC 62680-4-1:2022)	for Data and Power - Part 4-1: Universal Serial Bus 4 Specification		
3.	LITD/07/22609 IS 10467: 2023 IEC TR 60268-13:1998 Revision of IS 10467: 1983 (Identical To: IEC/TR 60268-13:1998)	Sound System Equipment Listening Tests on Loudspeakers (First Revision)	06 August 2023	BECIL- Amendments Proposed as per Annexure 3.
4.	LITD/07/22583 IS/IEC 60958-3: 2021 Revision of IS/IEC 60958 : PART 3: 2006 (Identical To: IEC 60958-3 : 2021)	Digital Audio Interface - Part 3 Consumer Applications Second Revision	01 August 2023	BECIL- agrees to the changes proposed and the IEC standard may be adopted as Indian standard.
5.	LITD/07/22587 IS 14231 : Part 9: 2002 Amd-1	Cabled distribution systems for television and sound signals: Part 9 interfaces of cabled distribution systems for digitally modulated signals Amendment - 1	04 August 2023	BECIL-No comments to add and may agree to the amendment proposed.
6.	LITD/07/22612 IS/IEC 60958-4-2: 2016 Superseding IS/IEC 60958-4: 2003 (Identical To: IEC 60958-4-2:2016)	Digital Audio Interface - Part 4: Professional Applications - Section 2: Metadata and Subcode	08 August 2023	BECIL- No additional input is felt necessary at this stage. BECIL therefore, have no comments to offer on the draft standard.

7.	<p>LITD/07/22588 IS 15596 (Part 7):2023 IEC 60268-7:2020 Revision of IS 15596 : Part 7: 2016</p> <p>(Identical To: IEC 60268-7:2020)</p>	<p>Sound System Equipment Part 7: Headphones and Earphones Second Revision</p>	<p>04 August 2023</p>	<p>BECIL- agrees to the amendments as mentioned in para v) of Annexure 3.</p>
8.	<p>LITD/07/22614 IS/IEC 60958-4-4: 2016 Superseding IS/IEC 60958-4: 2003</p> <p>(Identical To: IEC 60958-4-4:2016)</p>	<p>Digital Audio Interface - Part 4: Professional Applications - Section 4: Physical and Electrical Parameters</p>	<p>08 August 2023</p>	<p>BECIL -No further comment on the draft standard.</p> <p>Mr. D P Singh: Proposed to agree to the adoption of the IEC60958-4-4:2016 'Digital Audio Interface - Part 4-4: Professional applications- Physical and electrical parameters' issued by the IEC as the BIS.</p> <p>Mr. Jitender Pruthi: We should adopt the International standard as the Indian Standard instead of creating a new standard with identical content.</p> <p>Mr. Abhishek Agarwal: The Proposed Audio Standard IEC 60958-4-4:2016 specifies the physical and electrical parameters for different media. These IEC 60958-1, IEC 60958-4-1, and</p>

				<p>IEC 60958-4-2 constitute an interface for the serial digital transmission of two channels of periodically sampled and linearly represented digital audio data from one transmitter to one receiver. Provision is made in this standard for adapting the balanced terminals to use 75 Ω coaxial cables. This standard does not cover connection to any common carrier equipment. In this interface specification, the interface for Professional equipment is separate from the defined interface for consumer applications. The two interfaces are not identical.</p> <p>The Proposed amendments may be accepted as proposed.</p>
9.	<p>LITD/07/22718 IS 2264 : 2023 Revision of IS 2264: 1963</p> <p>(Identical To: ISO 266 : 1997)</p>	Acoustics - Preferred frequencies (First Revision)	21 August 2023	BECIL- It recommends adoption
10.	<p>LITD/07/22721 IS 8159 : 2023 IEC 60263 : 2020 Revision of IS</p>	Scales and Sizes for Plotting Frequency Characteristics and Polar	20 August 2023	BECIL- It agrees for adoption

	8159: 1993 (Identical To: IEC 60263 : 2020)	Diagrams(Second Revision)		
11.	LITD/07/22719 IS 7709 : 2023 IEC 60500 : 2017 Revision of IS 7709: 1975 (Identical To: IEC 60500 : 2017)	Underwater acoustics - Hydrophones - Properties of hydrophones in the frequency range 1 Hz to 500 kHz (First Revision)	20 August 2023	Pertains to IEC TC 87 - Ultrasonics
12.	LITD/07/22716 IS 14231 (Part 3):2023 IEC 60728-3: 2017 Revision of IS 14231 : Part 3: 1995 (Identical To: IEC 60728-3: 2017)	Cable Networks for Television Signals Sound Signals and Interactive Services - Part 3: Active Wideband Equipment for Cable Networks	25 August 2023	BECIL: It recommends adoption of the IS14231 : Part 3 in line with IEC standard.
13.	LITD/07/22723 IS 14231 (Part 7):2023 IEC 60728-12: 2017 Revision of IS 14231 : Part 7: 1999 (Identical To: IEC 60728-12: 2017)	Cable Networks for Television Signals Sound Signals and Interactive Services - Part 7: Electromagnetic Compatibility of Systems First Revision	25 August 2023	BECIL- It agrees to adopt the IEC 60728-12: 2017 as Indian standard.
14.	LITD/07/22801 IS 3720 : 2023 IEC 60118-12 : 1996 Revision of IS 3720: 1983 (Identical To: IEC 60118-12 : 1996)	Hearing aids - Dimensions of electrical connector systems (Second Revision)	01 September 2023	BECIL- it agrees to the second revision of the Indian standard aligning with IEC 60118-12 : 1996.
15.	LITD/07/22837 IS/ISO 1996- 1:2016 Superseding IS	Acoustics Description Measurement and Assessment	03 September 2023	BECIL- it agrees to the Draft Indian Standard (Part 1)

	9989:1981 (Identical To: ISO 1996- 1:2016)	of Environmental Noise Part 1: Basic Quantities and Assessment Procedures		aligning with ISO 1996-1:2016 Mr. H Wadhwa, (Voice Society)- We are in agreement of adoption as useful for measurements.
16.	LITD/07/22836 IS/ISO 1996- 2:2017 Superseding IS 9989:1981 (Identical To: ISO 1996- 2:2017)	Acoustics Description Measurement and Assessment of Environmental Noise Part 2: Determination of Sound Pressure Levels	04 September 2023	
17.	LITD/07/22855 IS/IEC 60461:2010 Superseding IS 12429 (Part 1 and Part 2):1988 (Identical To: IEC 60461:2010)	Time and control code	04 September 2023	
18.	LITD/07/22738 IS 14231 : Part 1: 2023 Revision of IS 14231 : Part 1:1995 (Identical To: IEC 60728-1: 2014)	Cable networks for television signals sound signals and interactive services Part 1: System performance of forward paths First Revision	07 Oct 2023	
19.	LITD/07/23062 IS/IEC 60318- 6: 2007 Superseding IS 11449: 1985 (Identical To: IEC 60318- 6:2007)	Electroacoustics Simulators of Human Head and Ear Part 6: Mechanical Coupler for The Measurement of Bone Vibrators First Revision	07 Oct 2023	

20.	LITD/07/23066 IS 12193 (Part 1):2023 Revision of IS 12193 : Part 1: 1989 (Identical To: IEC 60315-1: 1997)	Methods of measurement on radio receivers for various classes of emission Part 1: General considerations and methods of measurement including audio-frequency measurements First Revision	07 Oct 2023	
21.	LITD/07/23060 IS/IEC 60118-9: 2019 Superseding IS 10776 (Part 4):1984 (Identical To: IEC 60118-9:2019)	Electroacoustics - Hearing Aids - Part 9: Methods of Measurement of The Performance Characteristics of Bone Conduction Hearing Aids First Revision	07 Oct 2023	
22.	LITD/07/23064 IS/ISO 389-3:2016 Superseding IS 11024: 1984 (Identical To: ISO 389-3:2016)	Acoustics Reference Zero for The Calibration of Audiometric Equipment Part 3: Reference Equivalent Threshold Vibratory Force Levels For Pure Tones and Bone Vibrators	07 Oct 2023	
23. .	LITD/07/23067 IS 8152:2023 Revision of S 8152: 1976 (Identical To: IEC 60386:1988)	Method of measurement of speed fluctuations in sound recording and reproducing equipment First Revision	07 Oct 2023	
24. .	LITD/07/22717 IS 14231 (Part 4):2023 IEC 60728-4: 2007	Cable Networks for Television Signals Sound Signals and Interactive	25 August 2023	BECIL- It agrees to the proposal for adoption of the IEC 60728-4:2007 as

	Revision of IS 14231 : Part 4: 1995 (Identical To: IEC 60728-4: 2007)	Services -Part 4: Passive Wideband Equipment for Coaxial Cable Networks First Revision		Indian standard.
25. .	LITD/07/22831 IS 8146 : 2023 Revision of IS 8146: 1976 (Identical To: ISO 3382-1 : 2009)	Acoustics - Measurement of Room Acoustic Parameters- Performance Spaces (First Revision)	03 September 2023	BECIL- it recommends the Draft Standard (First Revision) under reference, aligning with ISO 3382-1: 2009 to be adopted as Indian Standard. Member Secretary- corresponding ISO Standard pertains to ISO/TC 43/SC 2 Building acoustics which is being dealt by another committee of Bureau of Indian standards i.e. CED 12 hence committee may consider for transfer of this standard
26. .	LITD/07/22720 IS 14231 (Part 5):2023 IEC 60728-5: 2015 Revision of IS 14231 : Part 5: 1995 (Identical To: IEC 60728-5: 2015)	Cable Networks for Television Signals Sound Signals and Interactive Services - Part 5: Headend Equipment First Revision	25 August 2023	
27. .	LITD/07/23065 IS 12193 (Part 2) :2023 Revision of IS 12193 : Part 2: 1987 (Identical To:	Methods of measurement on radio receivers for various classes of emission Part 3: Receivers for amplitude-	07 Oct 2023	

	IEC 60315-3: 1999)	modulated sound- broadcasting emissions First Revision		
28.	LITD/07/20467 Revision of IS 16127: 2013	Behind the Ear BTE Hearing Aids Digital Specification	Being issued in WC	
29.	LITD/07/20466 Revision of IS 10775: 1984	Specification for Body Level Hearing Aids	Being issued in WC	

The committee may consider and decide.

ITEM 4 PROGRAM OF WORK

4.1 The present program of work of LITD 7 is available at BIS website.

List of published standards is given in **Annex-4**. There are some changes for the standards as mentioned below:

Standard	Title	Remarks
IS/IEC 62087-3 : 2015	Audio video and related equipment Determination of power consumption Part 3: Television sets	Replaced by IEC 62087-3:2023 RLV
IS/IEC 60118-0 : 2015	Electroacoustics Hearing Aids Part 0 Measurement of the Performance Characteristics of Hearing Aids	Revised by IEC 60118-0:2022
IS 14231 (Part 10) : 2003 IEC 60728-6	Cable distribution system for television and sound signals: Part 10 optical equipment	Revised by IEC 60728-6:2011
IS/IEC 62368-1 : 2018	Audio / Video, Information and Communication Technology Equipment Part 1 Safety Requirements (First Revision)	a) Revised by IEC 62368-1:2023 RLV, based on decision taken through correspondence standard is being issued in WC b) Also due for review in 2023-24 ,please refer Annex-5
IS/IEC 62623 : 2012	Desktop and Notebook Computers - Measurement of Energy Consumption	a) Revised by IEC 62623:2022 RLV b) Also due for review in 2023-24 ,please refer Annex-5

The committee may consider.

ITEM 5 REVIEW OF PUBLISHED INDIAN STANDARDS

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

List of standards to be reviewed during April 2023-March 2024 and status of action taken are given in **Annex-5**.

List of standards which were to be reviewed during April 2022-March 2023 however has been only reaffirmed is given in **Annex-6**.

The committee may consider, allocate standards for review and decide.

ITEM 6 PROPOSALS FOR DEVELOPMENT/REVISION OF STANDARDS

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

AAI (Airports Authority of India) had submitted proposal for the development of standard for Public Address system. LITD 7/Panel 1 in its meeting held on 9th June 2022 considered the proposal and decided as follows:

- a) In consultation with AAI, draft standard for Public address system based on the AAI's proposal would be formulated by Mr. A. B Lal.
- b) Standards to be referred for different components like loudspeaker, amplifiers, cables etc. could be identified from the existing Indian standards or ISO/IEC standards.
- c) First draft of the standard would be shared with Panel for their inputs at the earliest but not later than first week of September 2022.
- d) AAI would suggest other stakeholder which should be consulted while developing standard and based on the AAI's suggestion more stakeholders would be co-opted in the panel.

Mr. A B Lal had shared first working draft with AAI on 21st July 2022. Member Secretary had also approached AAI however, there was no response. Further there have been some internal changes in AAI.

AAI had also submitted this proposal to another committee i.e. LITD 26. During discussions held in LITD 26 (30th May 2023), it was decided to plan a meeting of BIS officials with AAI officials to discuss their proposal and requirements. Meeting is being planned.

The committee may note.

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

LITD 7 in its 14th meeting 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.

LITD 7/Panel 2 is requested to consider planning meetings.

The committee may note.

6.3 OPERATIONAL PRACTICES FOR MAINTAINING CONSISTENT BROADCAST LOUDNESS LEVELS

Dolby Technology India Pvt Ltd had submitted proposal for development of standard. Proposed title and scope of the standards are as follows:

Proposed title of Standard: Broadcast Loudness Standard

Scope of proposed standard: The scope of the standard needs to cover the production and broadcast of television content including programmes and all interstitial, promotional and advertising content broadcast on television channels in India. This standard shall apply to all programmes or short form content which is intended to be broadcast for television by any means, including terrestrial or by means of other systems such as cable television or satellite distribution systems.

In last meeting of LITD 7, the committee had 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 had 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.

No suggestions have been received regarding members and convener of the proposed panel.

The committee may consider and decide.

6.4 INTEROPERABILITY OF SET TOP BOXES

6.4.1 Telecom Regulatory Authority of India (TRAI) had issued recommendations on interoperability of Set Top Boxes (STB) for digital TV broadcasting services on 10 April 2020. These recommendations were sent by Ministry of I&B(MIB) dated 20 May 2020 for seeking inputs from BIS. The recommendations were circulated to members of LITD 07 Sectional Committee and other stakeholders for seeking comments from them. These comments were discussed in LITD 07 Panel on 09 June 2020. The recommendations of the Panel were summarized and later on discussed in LITD 07 Sectional Committee meeting held on 12 June 2020. During this meeting, representatives of STB manufacturing industry, MIB and TRAI were also present during the discussion.

As per the decision of the committee, BIS Secretariat had communicated points emerged during last meeting to MIB and MIB's inputs were sought on the viewpoint of LITD 07. Ministry of I&B in its letter dated 2nd Nov 2021 informed:

'TRAI recommendation on "Interoperability of Set Top Boxes" are under examination in the Ministry. Any decision on TRAI recommendations as and when taken, the same will be apprised to BIS'.

There have been some meetings among BIS and MIB officials as well in this regard. Ministry of I&B was regularly followed up for inputs on TRAI recommendations. Ministry of I&B through their letter dated 24th April 2023 provided reference to IS 18112 and TRAI recommendations. Ministry of I&B requested BIS to furnish their comments on the feasibility for inclusion of the provisions of DVB CI Plus 2.0 (with USB CAM) port for STBs and TV Sets for Satellite Broadcasting in the respective BIS Standards on STBs and TV Sets. BIS vide its letter dated 11th July 2023 communicated points earlier emerged during LITD 7 meetings and once again requested MIB's inputs. Further inputs are awaited.

6.4.2 In 14th meeting of LITD 7, LITD 7/Panel 5 "Set-top Box Standards" was established. 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 had also decided that Panel would discuss the interoperability aspect only after response is received from Ministry of I&B.

Following standards were to be reviewed by the Panel 5 :

- i. IS 15244 : 2002 Analog set top box – Specification
- ii. IS 15245 : 2002 Digital set top box – Specification
- iii. IS 15377 : 2003 Digital set top box for direct to home services – Specification
- iv. IS 15954 : 2012 Digital set top box for MPEG-4 DTH services – Specification
- v. IS 15964 : 2013 Digital free-to-air satellite receiver – Specification
- vi. IS 16128 : 2013 Set top box for MPEG-4 DTH services – Specification
- vii. IS 16129 : 2014 Set top box for digital terrestrial HDTV/SDTV reception - Specification
- viii. IS 16791 : 2018 Digital set top box for IPTV – Specification
- ix. IS 16337 : 2015 Integrated digital terrestrial , satellite, cable television (iDTV)– Specification

Based on decisions taken in last meeting of LITD 7, IS 15244 has been withdrawn. Further status for other standards is as follows:

- i. IS 15245 : 2002 'Digital set top box – Specification' ---- *Allocated to Lt Col K.K Sharma (Cable Operators Federation of India, New Delhi)*
- ii. IS 15377 : 2003 'Digital set top box for direct to home services – Specification' ----- *Allocated to Mr. Sunil Kumar (Dish TV)*
- iii. IS 15954 : 2012 'Digital set top box for MPEG-4 DTH services – Specification' ----- *Allocated to Ms. Nandini Paul (Tata Play), inputs have been provided by Tata Play.*
- iv. IS 15964 : 2013 'Digital free-to-air satellite receiver – Specification' ----- *Allocated to Ms. Nandini Paul (Tata Play), inputs have been provided by Tata Play*
- v. IS 16128 : 2013 'Set top box for MPEG-4 DTH services – Specification' ---- *Allocated to Mr. V Guruprasad [All India Digital Cable Federation (AIDCF)]*
- vi. IS 16129 : 2014 'Set top box for digital terrestrial HDTV/SDTV reception – Specification' ---- *Allocated to Mr. Rajesh Bhat (Dolby), inputs have been provided by Dolby as per which further inputs are required from Prasar Bharati.*
- vii. IS 16791 : 2018 'Digital set top box for IPTV – Specification' --- *Allocated to Mr. Rajesh Bhat (Dolby)*

- viii. IS 16337 : 2015 Integrated digital terrestrial , satellite, cable television (iDTV)– Specification----
Allocated to Mr. Rajesh Bhat (Dolby)

Fraunhofer and Mr. Rajiv had also provided inputs on some of above mentioned standards.

The committee may consider and decide.

6.4.3 TATA Play Query related to use of wideband tuners for STBs (300 – 2350 MHz)

The committee had 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.

Member secretary is regularly following up with WPC however, no inputs have been received.

The committee may consider and decide.

6.5 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

6.5.1 A proposal from Prasar Bharati, Directorate General, Doordarshan was received and LITD 7/Panel 5 was requested to consider the proposal. LITD 7/Panel 5 had considered the proposal in its meetings (31st August 2022,19th September 2022,16th November 2022), standard as finalized by the committee has been published as IS 18112:2022 ‘Digital Television Receiver for Satellite Broadcast Transmission Specification’. This information and details have been already shared with all through emails.

6.5.2 IS 18112:2022 has been notified by the Ministry of Electronics and IT under “Amendment to the Electronics and Information Technology Goods (Requirement of Compulsory Registration) Order, 2021 dated 26th April 2023.

The committee may note.

6.5.3 Samsung has provided following inputs w.r.t IS 18112:

1. Currently Input Voltage range (110~240V) mentioned in IS 18112:2022, which may impact the power cord. Usually Asian countries follow 220V and 110V is followed in USA.

Below is snippet from the Spec for your reference:

IS 18112 : 2022

Table 2 Performance Requirements
(Clause 3.3)

Sl No.	Specifications/Parameters	Mandatory Values	Optional
(1)	(2)	(3)	(4)
i)	Electrical specifications a) Input voltage range b) Frequency	a) 110 – 240 VA.C. b) 50 Hz ± 2 percent	—

Our proposal is to update Input Voltage range (110~240V) ==> (220-240V), to align India Satellite Spec (IS 18112:2022) with country existing voltage requirement.

2. Certification Process for IS 18112:2022, currently no clarity about the certification process from any authority. Samsung would like to recommend Self-Certification process to be followed for certification of IS 18112:2022 compliance TV receivers.

The committee may consider and decide.

ITEM 7 REVIEW OF STANDARDS ON HEARING AIDS

7.1 Based on the decisions taken in last meeting, P –draft of following were issued and no comments have been received:

1) IS 10775 Body level hearing aids

2) IS 16127 Behind the ear (BTE) Hearing aid - Digital – Specification

Documents are being issued in Wide circulation.

The Committee may note.

ITEM 8 INTERNATIONAL STANDARDIZATION ACTIVITIES

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

- a) IEC TC 29 "Electroacoustics" - Warsaw, Poland from 2024-04-08 to 2024-04-12, Face- to-face meetings with the possibility of remote participation.
- b) IEC TC 100 "Audio, video and multimedia systems and equipment" - 2023-09-04 to 2023-09-08 Germany
- c) IEC TC 108 "Safety of Electronic Equipment Within the Field Of Audio/Video, Information Technology And Communication Technology" - 2023-10-18 to 2023-10-20, Egypt (Face-to-face)

The Committee may consider.

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

LITD 07 acts as National Mirror Committee of ISO TC 42/SC 1, IEC TC 29, IEC TC 100, IEC TC 108 and ISO/ TC 43/SC 1. India is a Participating (P) member of IEC TC 29, IEC TC 100 and IEC TC 108. Being P -member we have obligation to vote and send response on all the documents emanating from these committees.

List of documents due for voting is given in **Annex-7**.

All documents have been already circulated to members. Documents could also be accessed through document repository of BIS Standardization portal (https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/master-repository).

The Committee may consider.

8.3 Standards published and under development by IEC TC 29, IEC TC 100 and IEC TC 108

- a) Details of IEC TC 29, TC 100, TC 108 and under development standards of these

committees are given in **Annex-8**. These details were also shared with members in March and April 2023. Members were requested to consider the information and provide their inputs so that LITD 7 may identify the relevant priority areas for Indian context and increase our participation in these committees.

- b) List of standards published by IEC TC 29, TC 100 and TC 108 and corresponding Indian standard is enclosed as **Annex-9**.

The Committee may consider.

ITEM 9 STANDARDIZATION PROCESS REFORMS

9.1 BIS has instituted several process reforms in respect of formulation of Indian Standards. Information about following reforms would be shared during the meeting:

- (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 consider.

ITEM 10 INFORMATION RELATED TO IMPLEMENTATION OF STANDARDS

10.1 Members contributing to the development of standards are expected to make use of/implement these standards in their organizations. Members are requested to inform about usage of standards by their respective organizations.

The committee may consider.

ITEM 11 MANAKONLINE

11.1 BIS has migrated its activities into an online collaboration tool. Three portals – the Standardization, Conformity Assessment and Training Portals of e-BIS can be accessed through www.manakonline.in. BIS committee related work like, meeting notice, issuing agenda, minutes etc. are being done through the Standardization portal. Members may login in the Standardization portal (https://www.services.bis.gov.in/php/BIS_2.0/eBIS/) by using credentials already sent to their email/mobile number.

The Committee may note.

ITEM 12 DATE AND PLACE FOR THE NEXT MEETING

ITEM 13 ANY OTHER BUSINESS