



BUREAU OF INDIAN STANDARDS/भारतीय मानक ब्यूरो
Electronics and IT Department/इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी विभाग

**13th meeting of Active Assisted Living Sectional Committee, LITD 35 in Joint Session
with its Sub-Committee and Panels**

(Virtual Meeting, through Webex)

Date	06 June 2024
Time	10:30 AM – 1:00 PM
Meeting link	https://bismanak.webex.com/bismanak/j.php?MTID=m37898e53f0a479c2abf994291e51bf53
Meeting ID	2510 707 4128

Chairman: Prof. Suptendranath Sarbadhikari, In Individual Capacity

Member Secretary: Ms. Jyoti Kushwaha

Members Present: List of Participants is given at [ANNEX 1](#)

MINUTES

ITEM 0 WELCOME

- 0.1** The Member Secretary welcomed all the members to the Thirteenth meeting of LITD 35. After the introduction of the members, the Member Secretary requested the Chairperson to kindly deliver his welcome address and initiate the proceedings.
- 0.2** Prof. Suptendranath Sarbadhikari extended a warm welcome to all the members present and requested all the members for their effective and constructive contribution to the standardization activities of the committee.
- 0.3** He then requested the member secretary to carry on with the further agenda items.

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING

- 1.1** The committee formally confirmed the minutes of the last (12th) meeting of the Active Assisted Living Sectional Committee, LITD 35, which was held on on 05 March 2024 were circulated to the members of the committee on 22 March 2024.

ITEM 2 SCOPE & COMPOSITION OF SECTIONAL COMMITTEE

2.1 The committee noted the following scope of the committee:

“Standardization in the area of accessibility, interoperability of AAL systems, services, products, and components; and standardization of system-level aspects of AAL such as safety, security, and privacy.”

2.2 The Committee considered the composition of “Active Assisted Living Sectional Committee, LITD 35” and its panel/working groups as given at item 2.2 of the agenda and decided to make the following changes in the composition:

2.2.1 Members informed that Dr. N. Subramanian is no longer associated with Centre for Development of Advanced Computing, Pune and hence his nomination may be replaced by Shri Shubhanshu Gupta who is actively participating in Panel 2 and Panel 3 work.

2.2.2 Shri Ambuj S is nominated as the alternate member from MAIT who participated in this meeting.

2.2.3 Further, the committee decided to co-opt the following members from IIT Kanpur in the committee:

- i. Principal member: Prof Bishakh Bhattacharya
- ii. Alternate Member: Prof Siddartha Panda

2.3 Updated composition along with participation status is given at [ANNEX 2](#).

ITEM 3 PROGRAM OF WORK OF LITD 35

3.1. The committee noted the information as given in Item 3.1 of the agenda.

ITEM 4 ACTIVITIES OF THE SUBCOMMITTEES/PANELS UNDER LITD 35

4.1. LITD 35:P2 -Ways and means of ensuring the quality of OCR pdf wrt 17802 Panel

- i. A comprehensive report was shared by Shri Srinivasan Ramakrishnan on behalf of Panel 2 regarding the activities of the Panel 2 and the methodology for finalization of recommendations for the draft amendment to IS 17802 (Part 1).
- ii. Based on the recommendation of the panel draft amendment to IS 17802 (Part 1) placed as Annex 5 of the agenda was also discussed in detail by the committee during the meeting.
- iii. Minor changes were made as per the discussions and the committee decided to issue the draft amendment to IS 17802 (Part 1) for a period of under Wide Circulation for a period of two months. The draft amendment is placed at [ANNEX 3](#).

4.2. LITD 35:P3 - Strategic Roadmap for LITD 35 Panel

- i. A wonderful presentation on “Active Assisted Living Roadmap and Work Plan” was given by Shri Srinivasan Ramakrishnan on behalf of Panel 3 regarding the progress concerning the activities of the Panel 3, its activities so far, overview of assisted living in ageing society, emerging trends from Strategic Business plan(SBP) of IEC SyC AAL.

- ii. It was informed to the committee that a draft action plan document is being prepared which will be discussed and finalized in the upcoming next meeting of Panel 3 scheduled on **19th June 2024**.

ITEM 5 NATIONAL & INTERNATIONAL STANDARDIZATION ACTIVITIES

- 5.1. The committee noted the information given under item 5.1 of the agenda.
- 5.2. The committee also reviewed the list of experts nominated in various WGs of IEC/SyC AAL given in Annex 6 as per item 5.2 of the agenda. The committee decided to de-register the following members as experts in respective Working Groups of IEC/SyC AAL:
 - i. Shri Suptendra Nath from WG 1, WG 2, WG 3, WG 4, and WG 5
 - ii. Shri Bhanu Krishnadev from WG 1, WG 2, WG 4, WG 5 and WG 7
 - iii. Shri Naveen Coudhary from WG 1, WG 2, WG 3, WG 4, and WG 5
- 5.3. The committee decided to re-circulate IEC 63240-1:2020, IEC 63240-2:2020 and IEC SRD 63416:2023 to the committee for review for adoption as Indian Standards.
- 5.4. The committee noted the information given under item 5.4 of the agenda. The committee finalized inputs on the following
 - i. SyCAAL/345/Q: Committee decided to support the PWI “Guidance for AAL services based on the smart speaker in connected home environment (CHE)” and project leader nominated for the same. The committee also decided to nominate Shri Shubhanshu Gupta as an expert for the project.
 - ii. SyCAAL/346/Q: The committee approved the document.
 - iii. SyCAAL/350/AC: The committee decided to abstain the ballot.
 - iv. Comments were also received from Shri Srinivasan Ramakrishnan on SyCAAL/349/DC and it was decided to finalize the same over email for voting.
- 5.5. The committee decided the following delegation for participation in the upcoming SyC AAL Plenary to be held in June 2024:
 - i. Dr. Charudatta Jadhav (In Person, own funding)
 - ii. Mr. Subhash Chandra Vashishth (Remote participation)
 - iii. Mr. Narang Kishore (Remote Participation)
 - iv. Mr. Srinivasan (Remote participation)
 - v. Mr. Mayanak Vardia (Remote participation)
 - vi. Mr. Mohd Asif (Remote Participation)
 - vii. Ms. Jyoti Kushwaha (Remote participation)

< ----- Due to inadvertent typographical error Item 6 was missed in Agenda so is being intentionally excluded in minutes as well --- >

ITEM 7 R&D PROPOSAL

- 7.1 The committee noted the information given under item 7.1 of the agenda. Members were requested to identify proposals for R&D Projects for Formulation and Review of Standards.

ITEM 8 EMERGING AREAS FOR STANDARDIZATION

8.1 The committee noted the information given under item 8.1 of the agenda.

ITEM 9 INFORMATION ON E-SALE OF STANDARDS BY BIS

9.1 The committee noted the information given under item 9.1 of the agenda

ITEM 10 NATIONAL INSTITUTES FOR TRAINING IN STANDARDISATION (NITS)

10.1 The committee noted the information given under item 10.1 of the agenda.

ITEM 11 eBIS Portal (www.manakonline.in)

11.1 The committee noted the information given under item 11.1 of the agenda.

ITEM 12 DATE AND PLACE FOR THE NEXT MEETING

The committee LITD 35 decided to have the next meeting in the next quarter, preferably in September 2024. The exact date and place for the next meeting will be decided in consultation with the Chairman.

ITEM 13 ANY OTHER BUSINESS

There being no other business, the meeting ended with a hearty vote of thanks to the Chairperson and members.

ANNEX 1

S.No.	Member	Organization	Role
1	Shri Subhash Chandra Vashishth	Centre for Accessibility in Built Environment Foundation, New Delhi	Principal Member
2.	Shri Saidarshan Ramesh Bhagat	Centre for Development of Advanced Computing, Pune	Principal Member
3.	Shri Shubhanshu Gupta	Centre for Development of Advanced Computing, Pune	Principal Member
4.	Shri Manish Gupta	Centre for Development of Advanced Computing, Pune	Principal Member
5.	Shri Dipendra Manocha	DAISY Consortium, New Delhi	Principal Member
6.	Dr Nirmita Narasimhan	G3ict Smart Cities	Principal Member
7.	Shri Ambuj S	Manufacturers Association for Information Technology, New Delhi	Alternate Member
8.	Ms Fariha	Manufacturers Association for Information Technology, New Delhi	Alternate Member
9.	Shri Narang N Kishore	Narnix Technolabs Private Limited, New Delhi	Principal Member
10.	Shri Mohammed Asif Iqbal	PricewaterhouseCoopers Private Limited, Gurugram	Principal Member
11.	Dr Charudatta Jadhav	Tata Consultancy Services Limited, Mumbai	Principal Member
12.	Shri Srinivasan Ramakrishnan	IN PERSONAL CAPACITY	Personal Capacity
13.	Shri Dinesh C Sharma	Seconded European Standardization Expert for India (SESEI), New Delhi	Principal Member
14.	Shri Mayank Vardia	Secure Meters Limited, Gurugram	Principal Member
15.	Dr N S Sreekanth	Kannur University, Department of Information Technology, Kannur	Principal Member

ANNEX 2

Active Assisted Living Sectional Committee Composition			
S.No.	Organization	Member Name	Role
1.	IN INDIVIDUAL CAPACITY	Prof. Suptendranath Sarbadhikari	Chairperson
2.	Centre for Accessibility in Built Environment Foundation, New Delhi	Shri Subhash Chandra Vashishth	Principal Member
3.	Centre for Development of Advanced Computing, Pune	Shri Shubhanshu Gupta	Principal Member
4.	Centre for Development of Advanced Computing, Pune	Ms. Lenali Singh	Alternate Member
5.	DAISY Consortium, New Delhi	Shri Dipendra Manocha	Principal Member
6.	G3ict Smart Cities	Dr Nirmita Narasimhan	Principal Member
7.	Indian Institute of Technology Kanpur, Kanpur	Mr. Bishakh Bhattacharya	Principal Member
8.	Indian Institute of Technology Kanpur, Kanpur	Mr. Siddhartha Panda	Alternate Member
9.	Kannur University, Department of Information Technology, Kannur	Dr N S Sreekanth	Principal Member
10.	Manufacturers Association for Information Technology, New Delhi	Shri Raunak Mishra	Principal Member
11.	Manufacturers Association for Information Technology, New Delhi	Shri Ambuj S	Alternate Member
12.	Narnix Technolabs Private Limited, New Delhi	Narang N Kishore	Principal Member
13.	PricewaterhouseCoopers Private Limited, Gurugram	Mohammed Asif Iqbal	Principal Member
14.	PricewaterhouseCoopers Private Limited, Gurugram	Pawan Kumar S	Principal Member
15.	Seconded European Standardization Expert for India (SESEI), New Delhi	Dinesh Chand Sharma	Principal Member
16.	Seconded European Standardization Expert for India (SESEI), New Delhi	Shri Nitin Sharma	Alternate Member
17.	Secure Meters Limited, Gurugram	Shri Mayank Vardia	Principal Member
18.	Secure Meters Limited, Gurugram	Shri Puneet Khurana	Alternate Member
19.	Secure Meters Limited, Gurugram	Asmita Goyal	Alternate Member
20.	Standardization Testing and Quality Certification (STQC)	Ankit Jain	Principal Member

21.	Standardization Testing and Quality Certification (STQC)	A Chakravarthy	Alternate Member
22.	Tata Consultancy Services Limited, Mumbai	Mr. Charudatta Jadhav	Principal Member
23.	Tata Consultancy Services Limited, Mumbai	Mr. Sumeet Agrawal	Alternate Member
24.	IN PERSONAL CAPACITY	Ms. Abha Khetarpal	Personal Capacity
25.	IN PERSONAL CAPACITY	Shri Srinivasan Ramakrishnan	Personal Capacity

LITD 35 : P1 - Accessibility Standards for ICT Products and services Panel

S.No.	Organization	Member Name	Role
1	Centre for Development of Advanced Computing, Pune	Dr. N. Subramanian	Convenor
2	Barrier Break Solutions Private Limited, Mumbai	Ms Shilpi Kapoor	Principal Member
3	Centre for Development of Advanced Computing, Pune	Ms. Lenali Singh	Alternate Member
4	DAISY Consortium, New Delhi	Shri Dipendra Manocha	Principal Member
5	Deque Software Private Limited, Hyderabad	Satya Jaya Aparna Pasi	Principal Member
6	G3ict Smart Cities	Dr Nirmita Narasimhan	Principal Member
7	Indian Institute of Technology Roorkee, Roorkee	Prof. Gaurav Raheja	Principal Member
	Manufacturers Association for Information Technology, New Delhi	Shri Raunak Mishra	Principal Member
8	Manufacturers Association for Information Technology, New Delhi	Mr. George Paul	Principal Member
9	Manufacturers Association for Information Technology, New Delhi	Shri Rishi Kant Verma	Alternate Member
10	Manufacturers Association for Information Technology, New Delhi	Nikhila Salaka	Alternate Member
11	PricewaterhouseCoopers Private Limited, Gurugram	Mohammed Asif Iqbal	Principal Member
12	Seconded European Standardization Expert for India (SESEI), New Delhi	Dinesh Chand Sharma	Principal Member
13	Standardization Testing and Quality Certification (STQC)	Ankit Jain	Principal Member
14	Tata Consultancy Services Limited, Mumbai	Charudatta Jadhav	Principal Member

15	IN PERSONAL CAPACITY	Shri Srinivasan Ramakrishnan	Personal Capacity
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S.No.	Organization	Member Name	Role
1	IN INDIVIDUAL CAPACITY	Shri Srinivasan Ramakrishnan	Convenor
2	Centre for Development of Advanced Computing, Pune	Ms. Lenali Singh	Principal Member
3	Centre for Development of Advanced Computing, Pune	Shri. Saidarshan Ramesh Bhagat	Principal Member
4	Centre for Development of Advanced Computing, Pune	Shri Shubhanshu Gupta	Alternate Member
5	Centre for Development of Advanced Computing, Pune	Shri Manish Gupta	Alternate Member
6	DAISY Consortium, New Delhi	Shri Dipendra Manocha	Principal Member
7	Seconded European Standardization Expert for India (SESEI), New Delhi	Dinesh Chand Sharma	Principal Member
8	Tata Consultancy Services Limited, Mumbai	Charudatta Jadhav	Principal Member

LITD 35 : P3 - Strategic Roadmap for LITD 35 Panel

S.No.	Organization	Member Name	Role
1	In individual capacity	Shri Srinivasan Ramakrishnan	(Convenor)
2	CDAC Pune	Ms Lenali Singh	
3	CDAC Pune	Shri Saidarshan Ramesh Bhagat	
4	CDAC Pune	Shri Shubhanshu Gupta	
5	DAISY Consortium	Shri Dipendra Manocha	
6	SESEI	Shri Dinesh Chand Sharma	
7	Narnix Technolabs Pvt Labs	Shri Narang N Kishore	
8	G3ict Smart Cities	Dr Nirmita Narasimhan	
9	TCS	Dr Charudatta Jhadav	

ANNEX 3

DRAFT AMENDMENT NO. 1 TO IS 17802 (Part 1) : 2021

Accessibility for the ICT Products and Services Part 1 Requirements

AMENDMENT 1

(Page 32, clause 10.0) — Insert the following points after Note 9:

10. When digitizing printed documents, a minimum resolution of 300 DPI (Color mode) shall be used to ensure superior image quality and maximum accuracy. Color has become viable and contributes many other benefits to producing accessible documents.
11. Optical Character Recognition (OCR) shall be conducted as part of the workflow on each digitized document to ensure compliance with all requirements outlined in Clause 10.
12. Authors of digital documents should adhere to the latest versions of international and national standards and guidelines, such as PDF/UA (ISO 14289) and EPUB accessibility guidelines, when creating documents in their respective file formats.

(LITD 35)