

**BUREAU OF INDIAN STANDARDS/भारतीय मानक ब्यूरो**

**Electronics and IT Department/इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी विभाग**

**14th meeting of Active Assisted Living Sectional Committee, LITD 35 in Joint Session with its Sub-Committee and Panels**

**(Virtual Meeting, through Webex)**

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| Date | 25 September 2024 and 30 September 2024 |
| Time | 02:30 PM – 4:30 PM and 2:30 PM -3:30 PM |

**Chairman:** Prof. Suptendranath Sarbadhikari, In Individual Capacity

**Member Secretary:** Ms. Jyoti Kushwaha

**Members Present:** List of Participants is given at [ANNEX 1](#_ANNEX_1) and ANNEX 2

**MINUTES**

**ITEM 0 WELCOME**

* 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.
	2. Prof. Suptendranath Sarbadhikari warmly welcomed all members in attendance and expressed his appreciation for their participation. He emphasized the importance of collaborative engagement in advancing the committee's standardization activities. Prof. Sarbadhikari encouraged members to actively contribute their expertise, insights, and innovative ideas to ensure the success of the committee's objectives.
	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. The committee formally confirmed the minutes of the last (13th) meeting of the Active Assisted Living Sectional Committee, LITD 35, which was held on 06 June 2024 were circulated to the members of the committee on 20 June 2024.

**ITEM 2 SCOPE & COMPOSITION OF SECTIONAL COMMITTEE**

* 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.”

* 1. The committee noted the information as given in Item 2.2 of the agenda.
	2. The committee noted the information as given in Item 2.3 of the agenda.
	3. The Committee noted the composition of “Active Assisted Living Sectional Committee, LITD 35” and its panel/working groups as given at item 2.4 of the agenda

**ITEM 3 PROGRAM OF WORK OF LITD 35**

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

**ITEM 4 ACTIVITITES OF THE SUBCOMMITTEES/PANELS UNDER LITD 35**

* 1. **LITD 35: P1-Accessibility Standards for ICT Products and services Panel:** No Update
	2. **LITD 35: P2 -Ways and means of ensuring quality of OCR pdf wrt 17802 Panel:** The committee decided to finalize the draft amendment to IS 17802 (Part 1) for publication.
	3. **LITD 35: P3 - Strategic Roadmap for LITD 35 Panel:** A dedicated session for the committee was held on 30th September 2024 to review the draft strategic roadmap prepared by Panel 3.
		1. During this session, Shri Srinivasan Ramakrishnan, representing Panel 3, delivered an insightful presentation on the “Study of Technology, Products, Systems and standards for AAL and Roadmap for LITD 35 actionable Indian Standards preparation during 2024-25.”
		2. He also provided an overview of both global and domestic standards relevant to the roadmaps, as well as the Strategic Business Plan (SBP) of IEC SyC AAL.
		3. He also referred to the lecture by the Chairman Prof Supten Sarbadhikari on Healthcare standards and the 2020 report of LITD 35.
		4. He highlighted the five key areas outlined in the strategic roadmap for LITD 35 namely AAL ecosystem in Indian context**,** Telemedicine and Teleconsultation**,** Wearables**,** Robotics, Networking gear (box) for AAL users.
		5. Compilation of uses cases in Indian context was identified as another action item to be taken up subsequently. Members also suggested additional topics such as accessible voice interfaces, inclusive metaverse/immersive systems, inclusive broadcasting, accessibility in emerging technology areas.
		6. The committee approved the draft roadmap in principle and requested the Member Secretary to prepare the finalized document, incorporating the draft roadmap developed by Panel 3 and the feedback provided by committee members.
	4. The committee decided to establish the following Working Groups (WGs) to address the five key areas identified in the draft strategic roadmap for LITD 35 and prepare initial draft standards in these areas:
		1. WG 1 TR on AAL ecosystem in Indian context
		2. WG 2 Telemedicine and Teleconsultation
		3. WG 3 Wearables in AAL
		4. WG 4 Robotics/ Robots - Commercial and medical robots4home
		5. WG 5 Networking gear (box) at home for AAL users
	5. The committee decided that each Panel will include both committee members and experts in the relevant fields, who will be invited by the Panel. The following experts were identified initially based on Recommendation of Panel 3 to be contacted for invitation to join the respective Panels as members:
		1. WG 1 TR on AAL ecosystem in Indian context: Dr. Thanga Prabhu, Apollo hospital, Chennai
		2. WG 2 Telemedicine and Teleconsultation: Dr. Sanjay Sood, Director, C-DAC, Mohali
		3. WG 3 Wearables in AAL: Prof. Aman, IIT, Kanpur
		4. WG 4 Robotics/ Robots - Commercial and medical robots4home: Prof. Rohan Paul, IIT, Delhi and Dr Rajesh Singhania, TCS, Chief Scientist
		5. WG 5 Networking gear (box) at home for AAL users: C-DoT to be approached for nominating expert, C-DAC Trivandrum
	6. A formal call for contributions will be distributed to all committee members via email, inviting them to participate in the working group. Additionally, members are encouraged to recommend other subject matter experts to be included in the activities of each domain within the working group.

**ITEM 5 NATIONAL & INTERNATIONAL STANDARDIZATION ACTIVITIES**

* 1. The committee noted the list of experts nominated in various WGs of IEC/SyC AAL given in Annex 7 as per item 5.1 of the agenda.
	2. The committee decided to issue the draft for adoption as Indian Standards, the following documents directly in Wide Circulation for a period of two months:
		1. IEC TS 63134:2020/AMD1:2022 Amendment 1 - Active Assisted Living (AAL) use cases
		2. IEC 63240-1:2020 Active assisted living (AAL) reference architecture and architecture model - Part 1: Reference architecture
		3. IEC 63240-2:2020 Active assisted living (AAL) reference architecture and architecture model - Part 2: Architecture model
		4. IEC SRD 63416:2023 Ethical considerations of artificial intelligence (AI) when applied in the active assisted living (AAL) context
	3. The committee decided to establish a Working Group, WG 6, to review the following standards and provide recommendations on their suitability for adoption within three months. Dr. Charudatta Jadhav, expressed his willingness to join the Working Group. Furthermore, a formal call for contributions will be issued to all committee members, inviting them to participate in the group through email.:
		1. IEC SRD 63314:2024 Active assisted living (AAL) guidance for education and training of persons working in the field of AAL
		2. IEC SRD 63426:2024 Reference standards portfolio (RSP) on interoperability and connectivity for active assisted living (AAL) in the connected home environment (CHE)
		3. IEC SRD 63473:2024 Active assisted living (AAL) use case standards inventory and mapping
	4. The committee noted the information as given in Item 5.3 of the agenda
	5. The committee noted the information given under item 5.4 of the agenda and decided to vote “In Favour’ of the ballot SyCAAL/370/DTS IEC SRD 63408 ED1: Safety aspects – Guidelines for adult AAL care recipients in standards and other specifications. Shri Srinivasan Ramakrishnan volunteered to provide additional comments.
	6. The last plenary and working group meetings of IEC SyC AAL was held 17 June 2024 to 21 June 2024 in London, United Kingdom. The report of participation was shared by the following delegates:
		1. Dr. Charudatta Jadhav
		2. Mr. Subhash Chandra Vashishth
		3. Mr. Srinivasan Ramakrishnan
		4. Mr. Mohd Asif Iqbal
		5. Ms. Jyoti Kushwaha
	7. Member Secretary also briefed regarding the major outcomes and decisions of the meetings as mentioned in Annex 9, 10 and 11 as per item 5.5.3 of Agenda.
	8. The committee decided to seek experts within the committee for contribution in the following projects:
		1. IEC 63168 ED1 Cooperative multiple systems in connected home environments - AAL functional safety requirements of electronic safety-related systems
		2. IEC SRD 63420 ED1 Cooperative Multiple Systems in Connected Home Environments – AAL SOTIF of E/E Systems
		3. PWI SYCAAL-1 Guidance for AAL services based on the smart speaker in connected home environment (CHE)
		4. PWI TS SyCAAL-2 ED1 Guidance for the development and implementation of Active Assisted Living (AAL) Systems and Services
		5. PWI SYCAAL-3 Collaboration between AAL users and AAL systems

**ITEM 6 DOCUMENTS IN WIDE CIRCULATION**

* 1. The committee decided to finalize the LITD/35/26171 draft amendment IS 17802: Part 1: 2021 (Amendment no 2) for publication.
	2. The committee also suggested to share the communication regarding the same to Department of Empowerment of Persons with Disabilities (DEPwD)

**ITEM 7 NEW WORK ITEM PROPOSAL**

* 1. The committee also discussed the new work item proposal with title “Self- Service Terminals Accessibility Guidelines” received in LITD 35. Dr. Charudatta Jadhav from TCS gave a detailed presentation regarding the proposal.
	2. The committee agreed to proceed with the proposal for developing a national standard and decided to establish a Working Group, WG 7, for this purpose. The initial members of the Working Group are: Dr. Charudatta Jadhav, Ms. Sumeet Agrawal, Mr. Subhash Chandra Vashishth, Mr. Mohd Asif Iqbal with Dr. Charudatta Jadhav appointed as the convenor. A request for contributions will be extended to all committee members, encouraging them to join the Working Group and actively participate in the development of the standard.
	3. The committee further decided to take up the NWIP proposal to IEC SyC AAL and propose Dr Charudatta Jadhav as the Project Leader.

**ITEM 8 R&D PROPOSAL**

* 1. The committee noted the information given under item 8.1 of the agenda. Members were requested to identify proposals for R&D Projects for Formulation and Review of Standards.

**ITEM 9 EMERGING AREAS FOR STANDARDIZATION**

* 1. The committee noted the information given under item 9.1 of the agenda.

**ITEM 10 INFORMATION ON E-SALE OF STANDARDS BY BIS**

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

**ITEM 11 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)**

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

**ITEM 12 eBIS Portal (www.manakonline.in)**

* 1. The committee noted the information given under item 12.1 of the agenda.

**ITEM 13 DATE AND PLACE FOR THE NEXT MEETING**

* 1. The committee LITD 35 decided to have the next meeting in the next quarter, preferably in December third week. The exact date and place for the next meeting will be decided in consultation with the Chairman.

**ITEM 14 ANY OTHER BUSINESS**

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

# **ANNEX 1**

# **25-09-2024**

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| S.No. | Member | Organization | Role |
| 1 | Shri Subhash Chandra Vashishth | Centre for Accessibility in Built Environment Foundation, New Delhi | Principal Member |
|  | Shri Shubhanshu Gupta | Centre for Development of Advanced Computing, Pune | Principal Member |
|  | Shri. Saidarshan Ramesh Bhagat | Centre for Development of Advanced Computing, Pune | Alternate Member |
|  | Shri Dipendra Manocha | DAISY Consortium, New Delhi | Principal Member |
|  | Shri Siddhartha Panda | IIT Kanpur, Kanpur | Alternate Member |
|  | Shri Gaurav Raheja | IIT Roorkee, Roorkee | Principal Member |
|  | Shri Mohammed Asif Iqbal | PricewaterhouseCoopers Private Limited, Gurugram | Principal Member |
|  | Dr Charudatta Jadhav | Tata Consultancy Services Limited, Mumbai | Principal Member  |
|  | Ms Sumeet Agrawal | Tata Consultancy Services Limited, Mumbai | Alternate Member |
|  | Shri Dinesh C Sharma | Seconded European Standardization Expert for India (SESEI), New Delhi | Principal Member |
|  | Shri Puneet Khurana | Secure Meters Limited, Gurugram | Principal Member |
|  | Shri Srinivasan Ramakrishnan | IN PERSONAL CAPACITY | Personal Capacity |
|  | Ms. Abha Khetarpal | IN PERSONAL CAPACITY | Personal Capacity |

# **30-09-2024**

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| S.No. | Member | Organization | Role |
|  | Shri Srinivasan Ramakrishnan | IN PERSONAL CAPACITY | Personal Capacity |
|  | Shri Shubhanshu Gupta | Centre for Development of Advanced Computing, Pune | Principal Member |
|  | Shri Siddhartha Panda | IIT Kanpur, Kanpur | Alternate Member |
|  | Shri Mohammed Asif Iqbal | PricewaterhouseCoopers Private Limited, Gurugram | Principal Member |
|  | Dr Charudatta Jadhav | Tata Consultancy Services Limited, Mumbai | Principal Member  |
|  | Ms Sumeet Agrawal | Tata Consultancy Services Limited, Mumbai | Alternate Member |
|  | Shri Dinesh C Sharma | Seconded European Standardization Expert for India (SESEI), New Delhi | Principal Member |
|  | Shri Puneet Khurana | Secure Meters Limited, Gurugram | Principal Member |
|  | Dr N S Sreekanth | Kannur University, Department of Information Technology, Kannur | Principal Member |