



## **BUREAU OF INDIAN STANDARDS**

### **AGENDA**

#### **7th MEETING OF SMART MANUFACTURING SECTIONAL COMMITTEE, LITD 34 (Hybrid Meeting)**

<b>Date &amp; Time</b>	12 <sup>th</sup> December 2024 Time : 14:30 hrs
<b>Venue</b>	Blue Room, Manak Bhavan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi – 110002., Delhi, India
<b>Meeting link</b>	<a href="https://bismanak.webex.com/bismanak/j.php?MTID=m1d4aafc31916472006b41b0a8db9ef3b">https://bismanak.webex.com/bismanak/j.php?MTID=m1d4aafc31916472006b41b0a8db9ef3b</a>
<b>Meeting ID</b>	25107882388
<b>Password</b>	123456

**Chairperson:** Dr. Nagahanumaiah, Director, Central Manufacturing Technology Institute, Bengaluru

**Member Secretary:** Shri Kalluri.N.V.S.Chaitanya, Scientist 'C', BIS

#### **ITEM 0 WELCOME**

- 0.1** Welcome by the Member Secretary
- 0.2** Opening remarks by the Chairperson

#### **ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

- 1.1** The minutes of the 6th meeting of "SMART MANUFACTURING" sectional committee, LITD 34, which was held on 07<sup>th</sup> December 2023, were circulated. No comments have been received.

***THE COMMITTEE MAY FORMALLY CONFIRM THE MINUTES.***

#### **ITEM 2 SCOPE AND COMPOSITION COMMITTEE**

- 2.1** The Scope and composition of LITD 23 is given in [Annex 1](#).
- 2.2** Liaison with ISO Committees
  - IEC SyC SM – Smart Manufacturing – Participating (P) Member
  - IEC/SC 65E - Devices and integration in enterprise systems – Participating (P) Member
  - IEC/SC 65C – Industrial Networks - Observer (O) Member
  - ISO/IEC JTC 1/WG 12 -- 3D Printing and scanning – Observer (O) Member

**2.3** Co-option requests have been received from the following Organizations/Institutes:

- **Marwadi Education Foundation Group of Institutions** – Dr. Amit V Sata, Detailed CV is given in **Annex-2**
- **Orcan Products of India** – Mr. Jagjeet Paul Singh, Detailed CV is given in **Annex-2**

**2.4** Co-option requests have been received from the following persons as individual capacity:

- Rajendra Todalbagi, Detailed CV is given in **Annex-2**

**2.5 Revised nominations from the organization(s).**

### **THE COMMITTEE MAY REVIEW THE SCOPE & COMPOSITION**

#### **ITEM 3 PUBLISHING THE INDIAN STANDARDS IN LITD 34**

As Smart Manufacturing is an upcoming field and lot of Indian Industries might require the use this technology. Work for publishing the Indian Standards may be taken up.

### **THE COMMITTEE MAY DISCUSS & DECIDE**

#### **ITEM 4 PROGRAM OF WORK**

**4.1** The present program of work of LITD 23 is given in **Annex –3**

### **THE COMMITTEE MAY CONSIDER**

#### **ITEM 5 INTERNATIONAL STANDARDIZATION ACTIVITIES**

**5.1** Presently, LITD 23 acts as National Mirror Committee of following committees:

- IEC SyC SM – Smart Manufacturing – Participating (P) Member
- IEC/SC 65E - Devices and integration in enterprise systems – Participating (P) Member
- IEC/SC 65C – Industrial Networks - Observer (O) Member
- ISO/IEC JTC 1/WG 12 -- 3D Printing and scanning – Observer (O) Member

India is a P-member in IEC Syc SM, IEC/SC 65E and O-member in IEC/SC 65C. Participating members have an obligation to vote and participate in international meetings and have access to all the IEC documents. ‘O’ members are observer members. They do not have any voting rights, also they cannot participate in international meetings. However, they have access to all the ISO/IEC documents.

**5.2** List of standards published by IEC SyC SM is given at **Annex-4**.

**5.3** List of standards published by IEC/SC 65E is given at **Annex-5**.

**5.4** List of standards published by IEC/SC 65C is given at **Annex-6**.

**5.4** Voting and comments for the upcoming ballots. List of all upcoming ballots is attached in **Annex-7**.

**5.5** Status of the work of our experts in the working groups at international level. The list of working groups in each TC and SC and the experts associated with the working groups is attached in **Annex-8**.

**5.6 Participation in working groups in IEC/SC 65C for updating the membership of India in IEC/SC 65C.**

Smart Manufacturing is an upcoming field in the world and one of the base technologies that are extensively used in Smart Manufacturing is Industrial Networks. In IEC/SC 65C work is going on the standards pertaining Industrial Networks. In view of this Indian Standards may be useful to the stakeholders especially large-scale industries. For developing good Indian Standards and also to know the latest technological advancements participation of our experts in the working groups of IEC/SC 65C is essential and this will also help India to be a P member in IEC/SC 65C and the Indian vote for the ballots pertaining to these technologies will be taken into consideration by IEC.

**5.7 Forthcoming ISO/IEC Plenary Meetings:**

<b>Committee</b>	<b>Last Plenary Meeting Dates</b>	<b>Tentative Dates of Upcoming Plenary Meeting</b>	<b>Tentative Place of Upcoming Plenary Meeting</b>	<b>Mode of Upcoming Plenary Meeting</b>
IEC Syc SM	24-25 October 2024	12-15 September 2025	India	Hybrid
IEC SC 65E	29-08-2024 to 17-09-2024	Not yet Announced	Not yet Announced	Not yet Announced
IEC SC 65C	29-08-2024 to 17-09-2024	Not yet Announced	Not yet Announced	Not yet Announced

The agenda for the upcoming plenary meetings is not yet given in the IEC website. The Minutes of Meeting for the committees IEC Syc SM, IEC SC 65E and IEC SC 65C are attached at **Annex-9**, **Annex-10** and **Annex-11** respectively.

**THE COMMITTEE MAY NOTE**

**ITEM 6 NATIONAL STANDARDIZATION ACTIVITIES**

**6.1 NEW WORK ITEM PROPOSAL**

Some of the international standards attached in **Annex-4**, **Annex-5** and **Annex-6** may be taken up as Action Research Project and on the basis of the result of Action Research Project on a particular standard the final revised document can be taken as a P-Draft and subjected to further process standards may be developed in LITD 34.

**THE COMMITTEE MAY DELIBERATE AND DECIDE**

**ITEM 7 Guidelines on Research Projects**

**7.1 Introduction**

BIS has issued Guidelines for Research & Development Projects for Formulation and Review of Standards. The Objectives of this Scheme are to:

- A. Support and commission R&D projects to generate knowledge, empirical data and insights that would help in formulating new standards and updating & upgrading the existing Indian standards.
- B. Expand the network of domain area experts to carryout R&D projects in the areas related to standardization and conformity assessment; and
- C. Enrich the research ecosystem in the educational institutions imparting technical and professional education.

BIS will publish a list of research & development projects along with Terms of Reference (ToR) on Standardization portal or any other suitable digital platform.

**7.2** The current guidelines for R&D projects for establishments/revision of Indian Standards are given below:



### 7.3 Current ongoing R&D projects

S.No.	Project Code	Title of The Project	Terms of Reference	Committee	Department	Awarded To
1	LITD 0110	Use case compilation for Smart manufacturing in India.	<a href="#">View</a>	LITD(34)	Electronics and Information Technology Department	Dr Shubham Tripathi , NIT Jamshedpur – All the reports pertaining to this project are attached in Annex-13
2	LITD 0023	Study of Reference architecture for Smart Manufacturing in India	<a href="#">View</a>	LITD(34)	Electronics and Information Technology Department	Dr A. Kala SVCE ,Tamilnadu –All the reports pertaining to this project are attached in Annex-14

**THE COMMITTEE MAY DISCUSS AND DECIDE**

**ITEM 8 Roadmap to LITD 34**

**Please find the Roadmap of LITD 34 in Annex-12.**

**THE COMMITTEE MAY DISCUSS AND DECIDE**

**ITEM 9 DATE AND PLACE FOR THE NEXT MEETING**

**ITEM 10 ANY OTHER BUSINESS**

## Annex-1

**Scope:** Standardization in the field of Smart Manufacturing including systems level standardization.

### Committee Composition

S.No.	Organization	Member Name	Role
1	Central Manufacturing Technology Institute, Bengaluru	Dr. Nagahanumaiah	Chairperson
2	Automation India Association, New Delhi	Shri Pankaj Aswal	Alternate Member
3	B&R Industrial Automation Private Limited, Pune	Himanshu Sharma	Principal Member
4	B&R Industrial Automation Private Limited, Pune	Jhankar Dutta	Alternate Member
5	Confederation of Indian Industry, New Delhi	Anupam Kaul	Alternate Member
6	Confederation of Indian Industry, New Delhi	Shri Somnath Mitra	Alternate Member
7	Confederation of Indian Industry, New Delhi	Vipin Sahni	Alternate Member
8	Federation of Indian Chambers of Commerce and Industry, New Delhi	Ms Ankita Sharma	Alternate Member
9	Federation of Indian Chambers of Commerce and Industry, New Delhi	Shri Chetan Bijesure	Principal Member
10	Gilard Electronics Private Limited, Sahibzada Ajit Singh Nagar	Shri Sanjiv singh	Principal Member
11	Narnix Technolabs Private Limited, New Delhi	Narang N Kishore	Principal Member
12	National Productivity Council, New Delhi	Sh. Umashankar Prasad	Principal Member
13	National Productivity Council, New Delhi	Sh. Nikhil Panchabhai, GH (IT)	Alternate Member
14	PricewaterhouseCoopers Private Limited, Gurugram	Ankur Basu	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	Anil Mehta	Principal Member
18	Secure Meters Limited, Gurugram	Shri Deepak Pandya	Alternate Member
19	Secure Meters Limited, Gurugram	Shri Ankit Agarwal	Alternate Member
20	Siemens Limited, Mumbai	Manoj Belgaonkar	Alternate Member
21	Telecommunication Engineering Center, New Delhi	R S Singh	Principal Member

<b>22</b>	Telecommunication Engineering Center, New Delhi	Namrata Singh	Alternate Member
<b>23</b>	IN PERSONAL CAPACITY	Ms. Lavanya Nupur	Personal Capacity