

**BUREAU OF INDIAN STANDARDS**  
**Electronics and Information Technology Department**

**MINUTES**

**6<sup>th</sup> MEETING OF CLOUD COMPUTING, IT & DATA CENTRES LITD 31**

**Venue:** Virtual Meeting  
**Date:** 13.07.2023  
**Time:** 1100 hrs.  
**Chairperson:** Prof G. Siva Kumar (IIT Bombay, Mumbai)  
**Member Secretary:** Ms Ankita Srivastava (Scientist-D, LITD)

**List of Participants:**

S.No.	Name	Organization
1.	Prof. G. Siva Kumar	Indian Institute of Technology Bombay, Mumbai
2.	Shri Narayana Birakayala	Amazon India, Bengaluru
3.	Shri Kailash	CDAC
4.	Shri IGNESEIUS ERNEST THAMBYRAJ	Cloud Computing Innovation Council Of India, Bengaluru
5.	Shri Rishi Jadhav	ESDS Software Solution Limited, Bengaluru
6.	Shri Kshitij Kushagra	Ministry of Electronics And Information Technology, New Delhi
7.	Angiah Santhanaswamy	Oracle India Private Limited, New Delhi
8.	Shri Vijay Madan	Telecommunications Standards Development Society India, New Delhi
9.	Shri Manish Wasuja	United Nations Children's Fund, New Delhi
10.	Shri Bijoyendra Roy Chowdhuri	In Personal Capacity
11.	Shri Srinivasan Ramakrishnan	In Personal Capacity

**ITEM 0: WELCOME ADDRESS**

- 0.1 The Member Secretary extended a warm welcome to the participants.
- 0.2 After introduction of the members, the Member Secretary requested the Chairperson to kindly initiate the proceedings.
- 0.3 Prof. G. Siva Kumar, Chairperson LITD 31 welcomed the participants. He expressed that it was encouraging that the committee was meeting as per the schedule decided in the fifth meeting. He urged members to contribute meaningfully to the formulation of standards under this committee.

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

- 1.1 The Member Secretary informed that the minutes of the 5th meeting of the committee held on 02.05.2023 were circulated on 13.06.2023. No comments were received on the minutes. Hence, the committee formally confirmed the minutes of the fifth meeting.

**ITEM 2: SCOPE AND COMPOSITION OF LITD 31**

- 2.1 The member secretary informed that she was still in the process of reaching out to the organizations in the committee and seeking nominations and the process would require some

time. Therefore, it was proposed to take up review of scope and composition of the committee in subsequent meeting planned after ISO/IEC JTC 1/SC 38 plenary planned in September, 2023. The committee formally agreed.

### ITEM 3: INTERNATIONAL STANDARDIZATION ACTIVITIES

#### 3.1 The committee noted item 3.1 of the agenda.

Member Secretary informed that most of the members nominated as experts in the SC38 working groups were not attending the meetings. It was emphasized that attending the working group meetings and contributing in the projects going on in the working groups is the of utmost importance. List of projects going on in JTC 1/SC 38 and JTC 1/SC 39 working groups was shared with the members present (Placed in **Annexure-1**). Member secretary also requested the committee members and the nominated experts to focus especially on the documents which were in NWIP stage (Stage- 20.00) as there was a lot of scope for contribution and discussion in these documents.

It was also decided that while the review of composition is taken up by the committee, membership in the various groups for JTC 1/SC 38 and JTC 1/SC 39 will also be reviewed and the non-participating experts and experts who are not providing regular updates would be removed from the respective working group of JTC 1/SC 38 and JTC 1/SC 39. Schedule of upcoming meetings until September, 2023 plenary for JTC 1/SC 38 was also shared with the committee to ensure better participation by experts (Placed in **Annexure-2**).

#### 3.2 Adoption of standards published by ISO/IEC JTC 1/SC 39:

The committee reviewed documents listed in Annexure 2 as per the item 3.2 of the agenda. The committee agreed to finalise the documents and approved the documents to be sent for publication. The committee further decided to create a group of experts to analyse the possible impact of the ISO/IEC 30134 series standards being adopted on the existing data centers.

It was decided to create a panel for review of the following standards:

S.No.	Standard Number	Standard Title
1.	ISO/IEC 30134-6:2021	Information Technology Data Centres Key Performance Indicators Part 6: Energy Reuse Factor ERF
2.	ISO/IEC 30134-8:2022	Information Technology Data Centres Key Performance Indicators Part 8: Carbon Usage Effectiveness CUE
3.	ISO/IEC 30134-9:2022	Information Technology Data Centres Key Performance Indicators Part 9: Water Usage Effectiveness WUE
4.	ISO/IEC TS 22237-2:2018	Information technology — Data centre facilities and infrastructures — Part 2: Building construction
5.	ISO/IEC TS 22237-5:2018	Information technology — Data centre facilities and infrastructures — Part 5: Telecommunications cabling infrastructure

The panel was directed to provide comments/details on possible impacts of the standards on the existing data centres. Composition of the panel is as follows:

S.No.	Expert	Organization
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1.	Shri Narayana Birakayala	Amazon India, Bengaluru
2.	Shri Kailash	CDAC
3.	Shri Igneseus Ernest Thambyraj	Cloud Computing Innovation Council Of India, Bengaluru
4.	Shri Rishi Jadhav	ESDS Software Solution Limited, Bengaluru
5.	Angiah Santhanaswamy	Oracle India Private Limited, New Delhi
6.	Shri Srinivasan Ramakrishnan	In Personal Capacity

### 3.3 Review of standards on sustainability:

The committee noted item 3.3 of agenda. The committee further decided that the comment on the two standards recommended for adoption in item 3.3 may be reviewed by the panel on “Possible impacts of the standards on the existing data centres” and their comments may be discussed in the next meeting.

### 3.4 Status update for ISO/IEC JTC 1/SC 38/ WG 5:

Shri. Bijoyendra Roychowdary gave an update regarding AWI TS 10866 currently under development in ISO/IEC JTC 1/SC 38/ WG 5. He informed the committee that the penultimate draft for the document would be shared shortly with the WG 5 secretariat.

Further, chairperson emphasized that development of projects from India need to be a collective effort and asked the committee members to have an active participation in the development of project.

### 3.5 28<sup>th</sup> meeting of ISO/IEC JTC 1/ SC 38 and its working groups:

The committee noted item 3.5 of the agenda. The delegation proposed was approved with additions. The approved delegation for the meeting is as follows:

- i. Shri. Srinivasan Ramakrishnan (In personal capacity)- SC 38 plenary and WG 3 meetings in person at Washington, DC.
- ii. Smt. Uma Chauhan (Ministry of Electronics and Information Technology, New Delhi) - SC 38 plenary and WG 3 meetings in person at Washington, DC.
- iii. Shri Kshitij kushagra (Ministry of Electronics and Information Technology, New Delhi) - SC 38 plenary and WG 3 meetings in person at Washington, DC.
- iv. Shri Bijoyendra Roychowdhuri (Capgemini, Noida) – SC 38 plenary and WG 5 meetings in person at Washington, DC.
- v. Ms. Ankita Srivastava (BIS)- SC 38 plenary and AG 5 and WG 5 meetings in person at Washington, DC.

## ITEM 4: NATIONAL ACTIVITIES IN THE DOMAIN

- 4.1 Shri. Srinivasan Ramakrishnan gave an update regarding the Cloud Inter-operability and Portability (CIP) working group to the committee. The committee observed that it was an initiative which would also benefit the standardization in domain and the documents from the working group would be a good source for gap-analysis in the domain.

## ITEM 5: DATE AND PLACE FOR THE NEXT MEETING

5.1 The committee agreed to hold the next meeting in last week of August, 2023.

**ITEM 6: ANY OTHER BUSINESS**

6.1 There being no other business, the meeting ended with a hearty vote of thanks to the participants and chairperson.

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