



MINUTES

TECHNICAL COMMITTEE: LITD 29

DOCUMENT DESPATCH ADVICE

Ref	Date
LITD 29/A-2.10	10- 12-2024

All Members of LITD 29

TENTH MEETING OF BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGIES  
SECTIONAL COMMITTEE, LITD 29 AND ITS PANELS

**DATE, DAY & TIME:**

**VENUE**

**19 November 2024  
Tuesday**

**Webex**

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**TIME: 1430h**

Dear Sir(s),

Further to our Tenth meeting of even number dated 19 Nov 2024, please find enclosed the MINUTES for the Meeting of above referred Committee, LITD 29. Comments, if any, may kindly be sent to undersigned before 19 Dec 2024.

Thanking you,

Yours Sincerely,

Sd/-

Encl: As above

(Ashish Tiwari)  
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**BUREAU OF INDIAN STANDARDS**  
**MINUTES**

**TENTH MEETING OF BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGIES  
SECTIONAL COMMITTEE, LITD 29**

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**TIME: 1430h**

IN CHAIR: 1 Sh J A Chowdary, Individual Capacity

MEMBER SECRETARY: 2 Shri Ashish Tiwari, BIS

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Members Present:

	<b>Name</b>	<b>Organization</b>
3	Sh Chinnasamy	MeiTY
4	Smt Lakshmi Eswari	CDAC
5	Shri Avik Bose	IBM India Private Limited, Bengaluru
6	Smt. Jayanthi S.	National Informatics Centre, New Delhi
7	Ms. Jyostna G	CDAC, Pune
8	Ms. Nirmala Salam	CDAC, Pune
9	Dr. Pinky Bai	STQC, New Delhi
10	Ms. Radhika	CDAC, Hyderabad
11	Dr. Susmita Mandal	IDRBT
12	Sh Charu Munda	MeiTY

**ITEM 0 GENERAL**

**0.1** The Member Secretary welcomed all the members to the tenth meeting of LITD 29. He informed the members about the mandate given to this committee also informed about the work done by the committee during the last one year. He stressed on the need for having necessary Blockchain standards and incorporating India specific requirements in the ISO standards on Blockchain.

**0.2** Sh J A Chowdary welcomed and thanked all the members to attend the meeting amidst their busy schedule. He appreciated the work done by various members and encouraged LITD 29 Panels to have their separate meetings. He encouraged members to volunteer towards various leadership projects emerging in Blockchain standards but also give due consideration to the time commitments before taking such roles. He informed about the status of Digital Payment systems using Blockchain and National Blockchain Technologies Framework (NBTF). He then requested Member Secretary to carry on with the Agenda items.

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

**1.1** There being no comments from the members on the minutes circulated on 05 July 2023, the Committee formally confirmed the minutes of its last meeting held on 21 June 2023 virtually.

## **ITEM 2 COMPOSITION OF LITD 29**

**2.1** The member secretary informed the committee about inactive/lack of participation of the various members in the committee. Based on the discussion held, following is decided:

- a) It was decided to withdraw following organizations from the committee :
  - i. IT dept, Govt of Tamilnadu
  - ii. Veermata Jijabai
  - iii. The capital net
  - iv. IIT Bhilai
  - v. IIT Hyderabad
  - vi. IIT Roorkee
  - vii. M V Padmanabhayya, Individual Capacity
  - viii. Sai Kumar Nellore, Individual Capacity
  
- b) It was decided to co-opt following members in the committee:
  - i. India Blockchain Forum (Mr Shara Chandra will represent)
  - ii. IIT Madras – Mr John Augustine will represent.
  - iii. Reserve Bank of India – RBI Innovation Hub - Mr Siddharth will connect
  - iv. Indian Banking Association.
  - v. NIT Surat (Prof Dhiren Patel will represent)

The committee also decided that any member/organization not contributing in the committee work for more than 1 year will be recommended for removal by the committee.

## **ITEM 3 PROGRAM OF WORK**

**3.1** The committee noted the present position of work of LITD 29 as given in Annex 3 of the agenda.

## **ITEM 4 ACTIVITIES OF THE PANELS UNDER LITD 29**

**4.1** At present, LITD 29 has 6 panels under it which follow the work of corresponding TC 307 Working Groups. The panels were expected to have their separate meetings and to provide their inputs on the various projects to the corresponding TC 307 WGs.

### **4.1.1 LITD 29/Panel 1 Foundations**

In absence of Panel 1 Convener, the Member Secretary briefed the committee about the status of various projects under TC 307/WG 1. It was informed by the member secretary that the ISO 22739 Vocabulary has been revised in 2024 and TC 307/WG 1 has been disbanded.

The committee decided to revise IS 22739 based on revised ISO 22739. The committee decided to circulate ISO 22739 in wide circulation for a period of 2 months for comments. The comments received will be discussed by Panel 1.

Further, the committee decided to disband Panel 1. The committee thanked Panel members for their contribution.

#### **4.1.2 LITD 29/Panel 2 Security, Privacy and Identity**

In absence of Panel 2 Convener, the Member Secretary briefed the committee about the status of various projects under TC 307/JWG 4. The member secretary informed about the following drafts and standards under discussion in JWG 4 :

- a) ISO/NP 23042 Reference architecture for DLT-based decentralized identity systems
- b) ISO/WD 25126 Information security controls based on ISO/IEC 27002 for distributed ledger services
- c) ISO/WD 24946 Requirements and guidance for improving, preserving, and assessing the privacy capability of DLT systems.
- d) ISO/WD 24876 Privacy protection when involving trust anchors in DLT-based identity management
- e) ISO/PWI 24875 Secure smart contracts

The committee requested Panel 2 Convener to conduct Panel 2 meetings and decides India's position on the above drafts.

Further, the committee decided to adopt following ISO/TC 307 standards as Indian Standards.

ISO TR 23644 : 2023 Blockchain and distributed ledger technologies (DLTs) — Overview of trust anchors for DLT-based identity management

The above draft Indian Standards will be circulated in Wide Circulation for a period of 2 months for comments. The comments received will be discussed by Panel 2.

It was informed by the member secretary that the many of the panel 2 members are not active. It was decided to withdraw following members from Panel 2:

- a) Mr. Manojkumar Parmar
- b) Dr kartik.V Hegadekatti
- c) Sh Jayvardhan Sambedu, Curl Analytics
- d) Prof. Rajat Moona
- e) Arunkumar V R, Bosch
- f) Arnab Chaterjee, Individual Capacity
- g) Sh Gourav, Oracle India
- h) Sh Rishi Jadhav, ESDS
- i) Manish Gupta, the CapitalNet
- j) Vipin Uniyal, KPMG

It was decided to co-opt Dr Sushmita Mondal, IDRBT in Panel 2.

#### **4.1.3 LITD 29/Panel 3 Smart Contracts**

Sh Chinnasamy, V, Panel Convener briefed the committee about the status of various projects under TC 307/WG 3 as given below:

- a) ISO/CD TS 18126 Taxonomy and classification for smart contracts
- b) ISO/WD TR 25145 Overview of DLT- based collections and collections management
- c) ISO/AWI PAS 24874 Guidebook on the Use of Smart Contracts in Contributing to the Sustainable Development Goals

He stressed upon the need for participating more actively on above projects. The committee decided to withdraw following members from Panel 3:

- a) Ms Purnima Kamble, Foxmondal
- b) Rahul N S, Bosch
- c) Namitha Jeremiah, TCS
- d) Jignesh Karia, IBM
- e) Sh Vipin Uniyal, KPMG

#### **4.1.4 LITD 29/Panel 5 Blockchain Governance**

Sh Chinnasamy, V, Panel Convener briefed the committee about the status of various projects under TC 307/WG 5 as given below:

- a) ISO/WD TS 23353 Auditing guidelines
- b) ISO/PWI 25481 Governance for DAOs in Blockchain and DLT

He informed that the TS 23353 is an important standard from the point of view of India and we must actively participate in the development of this standard. The committee decided to withdraw following members from Panel 3:

- a) Jayavardhan Sambedu, CuRL
- b) Anupam Agrawal, TCS
- c) Sh Jeetendra Kulkarni, Oracle India
- d) Dr kartik.V Hegadekatti

Further, the committee decided to co-opt Mr Vinod Kashyap, NextGen in Panel 5.

#### **4.1.5 LITD 29/Panel 6 Blockchain Use Cases**

Ms Lakshmi Eswari, CDAC, Panel Convener briefed the committee about the status of various projects under TC 307/WG 6 as given below:

- a) ISO AWI 6277 Data flow model for blockchain and DLT use cases
- b) ISO PWI 25314 blockchain and DLT use case template
- c) ISO/AWI TR 24878 New and emerging DLT/Blockchain Use Cases

She also informed about the two potential projects on which CDAC is currently working. These projects can be taken up as potential New Work Item Proposals (NWIPs) at BIS or ISO level:

- a) Blockchain as a Service

b) IOT device lifecycle management through Blockchain

Further, the committee requested CDAC to prepare NWIP form 04 and the table of contents so as to take this forward.

Further, the committee decided to adopt following ISO/TC 307 standards as Indian Standards.

ISO 6039 : 2023 Identifiers of subjects and objects for the design of blockchain systems

The above draft Indian Standards will be circulated in Wide Circulation for a period of 2 months for comments. The comments received will be discussed by Panel 6.

**4.1.6** The member secretary informed the status about the following projects which are not covered in any of the existing LITD 29 panels:

- a) ISO/CD 20435 A Framework for Representing Physical Assets Using Tokens (WG 8)
- b) ISO/PWI 25316 Non-Financial Digital Assets using Tokens (WG 8)
- c) ISO/PWI 25315 Tokenization methods for creating digital representations of multiple commodities and asset classes exploring tokenization of the different commodities and asset classes (WG 8)
- d) ISO/CD 23516 Interoperability Framework (WG 7)
- e) ISO/PWI 25843 DLT-based low-carbon tracking environment model (AHG 4)

**ITEM 5 NEXT MEETING OF TC 307**

**5.1** The member secretary informed that the last meeting of ISO/TC 307 was held in Sydney during 30 Sep – 4 Oct 2024 which was attended by 3 Indian delegates virtually. Mr Chinnasamy, MeITY (Head of the Delegation) updated the committee about the developments of various projects during Sydney meeting.

**5.2** The next plenary meeting of ISO/TC 307 is scheduled to be held during 7-12 Apr 2025 in Brussels, Belgium. The complete schedule of TC 307 meetings during Nov 24 – May 25 is given below:

Number	Committee	English title	Type	Start local date	End local date
16	ISO/TC 307	Blockchain and distributed ledger technologies	Face-to-Face	07 Apr 2025 03:30 IST	12 Apr 2025 03:29 IST
44	ISO/TC 307/JWG 4	Joint ISO/TC 307 - ISO/IEC JTC 1/SC 27 WG: Security, privacy and identity for Blockchain and DLT	Hybrid	07 Apr 2025 03:30 IST	12 Apr 2025 03:29 IST
26	ISO/TC 307/WG 8	Tokenization of assets	Virtual	26 Mar 2025 10:30 IST	26 Mar 2025 12:30 IST
25	ISO/TC 307/WG 8	Tokenization of assets	Virtual	26 Feb 2025 18:30 IST	26 Feb 2025 20:30 IST
24	ISO/TC 307/WG 8	Tokenization of assets	Virtual	30 Jan 2025 02:30 IST	30 Jan 2025 04:30 IST
7	ISO/TC 307/AHG 5	Foundations Review	Virtual	28 Jan 2025 18:30 IST	28 Jan 2025 20:30 IST
43	ISO/TC 307/JWG	Joint ISO/TC 307 - ISO/IEC JTC 1/SC 27	Virtual	28 Jan 2025	28 Jan 2025

	4	WG: Security, privacy and identity for Blockchain and DLT		10:30 IST	13:30 IST
	ISO/TC 307/WG			22 Jan 2025	22 Jan 2025
60	5	Governance	Virtual	02:30 IST	04:30 IST
	ISO/TC 307/AHG			14 Jan 2025	14 Jan 2025
6	5	Foundations Review	Virtual	10:30 IST	12:30 IST
	ISO/TC 307/WG			18 Dec 2024	18 Dec 2024
23	8	Tokenization of assets	Virtual	10:30 IST	12:30 IST
	ISO/TC 307/JWG	Joint ISO/TC 307 - ISO/IEC JTC 1/SC 27		18 Dec 2024	18 Dec 2024
42	4	WG: Security, privacy and identity for Blockchain and DLT	Virtual	02:30 IST	05:29 IST
	ISO/TC 307/WG			17 Dec 2024	17 Dec 2024
59	5	Governance	Virtual	20:30 IST	22:30 IST

The committee requested nominated experts to attend their respective WG meetings as all the meetings are being held virtually. The members interested in attending the TC 307 plenary meeting may let us know their interest through email.

**5.3** Further, the member secretary informed about the various Advisory/Adhoc Groups constituted during the last meeting of TC 307. Based on the interests received from the members, the committee decided to nominate following members as experts as per the details given below:

SI No.	TC 307/AG/Adhoc/WG	Expert to be nominated
1	TC 307 Blockchain and DLT	Sh Chinnasamy, MeiTY
2	TC 307/JWG 4	Sh Chinnasamy, MeiTY Mr. Charusingh Munda, MeiTY

Further, the committee decided to remove following experts from the ISO GD in TC 307:

SI No.	Working/Study Group No. & Title	Experts to be removed
2	TC 307/WG 3 Smart Contracts	a) Ms Purnima Kamble, Foxmondal b) Rahul N S, Bosch c) Namitha Jeremiah, TCS d) Jignesh Karia, IBM e) Sh Vipin Uniyal, KPMG
3	TC 307/JWG 4 Joint ISO/TC 307	a) Mr. Manojkumar Parmar b) Dr kartik.V Hegadekatti c) Sh Jayvardhan Sambedu, Curl Analytics d) Prof. Rajat Moona e) Arunkumar V R, Bosch f) Arnab Chaterjee, Individual Capacity g) Sh Gourav, Oracle India h) Sh Rishi Jadhav, ESDS i) Manish Gupta, the CapitalNet j) Vipin Uniyal, KPMG

4	TC 307/WG 5 Governance	a) Jayavardhan Sambedu, CuRL b) Anupam Agrawal, TCS c) Sh Jeetendra Kulkarni, Oracle India d) Dr kartik.V Hegadekatti
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#### **ITEM 6 DATE AND PLACE FOR THE NEXT MEETING**

**6.1** It was decided to have the next meeting during Mar 2025 virtually. The exact date and time will be decided in consultation with the chair.

#### **ITEM 7 ANY OTHER BUSINESS**

**7.1** There being no business left, the meeting ends with a vote of thanks to the chair.