

BUREAU OF INDIAN STANDARDS

AGENDA

**THIRTY SIXTH MEETING OF ARTIFICIAL INTELLIGENCE SECTIONAL COMMITTEE,
LITD 30 ALONG WITH ITS SUB-GROUPS**

DATE : 20-05-2024
DAY : Monday
TIME : 1100h – 1230h

VENUE: Webex
Meeting link:
<https://bismanak.webex.com/bismanak/j.php?MTID=mc1a49da40fa3ab436ad31b070aba6f45>
Meeting number: 2510 697 9845
Password: LITD30@36

Chairperson: Dr. Pushpak Bhattacharyya

Member Secretary: Shri Kshitij Bathla

ITEM 0 WELCOME (5 minutes)

- 0.1 Welcome
- 0.2 Remarks by the Chairperson

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETINGS (2 minutes)

1.1. The minutes of the Thirty fifth meeting of the Artificial Intelligence sectional committee held on 16 April 2024 were circulated on 03 May 2024. No comments have been received.

The committee may formally confirm the minutes.

ITEM 2 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE LITD 30 (5 minutes)

2.1 Scope of the committee:

“Standardization in the area of Artificial Intelligence and Big Data” Liaison: ISO/IEC JTC 1/SC 42 “Artificial Intelligence”

The committee may note

2.2 Composition of “Artificial Intelligence, Sectional Committee LITD 30” and its panel/working groups is available on BIS website (www.bis.gov.in and www.manakonline.in). Latest Composition along with participation status is given in **Annex-1**.

The committee may note.

2.3 Co-option requests have been received from following:

Name	Organization
Mr. Manoj Kumar	Google India Private Limited, Bengaluru
Mr Anant Bhaskar Garg	Individual Capacity

2.4 Based on the decisions taken in last meeting, following are invitee to the committee:

1. Mr Rishabh Dangwal (KPMG India Private Limited)
2. Mr. Sundar Narayanan
3. Ms. Smita Agrawal (Nirma University)
4. Mr Madhav Chablani [Cloud Security Alliance - NCR (India)]

The committee may consider.

ITEM 3 NEW WORK ITEM PROPOSAL

3.1 After the last meeting, no New Work Item Proposal has been received.

The committee may note.

ITEM 4 INTERNATIONAL STANDARDIZATION ACTIVITIES

4.1 LITD 30 acts as National Mirror Committee of ISO/IEC JTC 1/SC 42“Artificial Intelligence” and India is a Participating (P) member of SC 42. Being P -member we have obligation to vote and send response on all the documents emanating from this subcommittee.

The committee may note.

INDIA’S PROPOSALS TO JTC 1/SC 42

4.1.1 Proposals under discussion

A. Proposal -Reliability of AI systems (5 minutes)

In the last JTC 1/SC 42 Plenary meeting (22nd -26th Plenary 2024) the potential proposal “Reliability of AI Systems” has been registered as PWI. Dr. C. Anantaram is requested to provide an update.

The committee may consider.

B. Study item- Artificial Intelligence – Guidance for Generative AI Applications

(5 minutes)

Proposal was discussed during the last JTC 1/SC 42 Plenary meeting (22nd -26th Plenary 2024). This project is expected to continue as a study item till the next Plenary (Oct 2024). following are probable outcomes of this study item:

- Identification of potential gaps specific to Generative AI applications and propose amendment to ISO/IEC 5338 and ISO/IEC 5339 to address such gaps
- Consolidate the requirements towards establishing output data quality of Generative AI Applications. To Share and discuss observations with SC 42/WG2 and accordingly propose potential NWIP in this area.

Dr Shrikant Bhat is requested to provide an update.

The committee may consider.

4.1.2 Status of India's approved proposals to JTC 1/SC 42

a) ISO/IEC 24668:2022 Artificial intelligence — Process management framework for big data analytics

Mr. Gautam Banerjee (DSF) was project Editor.

The committee may note.

b) ISO/IEC 5339:2024 Artificial Intelligence — Guidelines for AI applications

Dr. Shrikant Bhat (ABB India) was Project Editor.

The committee may note.

c) ISO/IEC TS 17847 Verification and Validation Analysis of AI Systems (5 minutes)

The Working Draft of ISO/IEC TS 17847 is under development in ISO/IEC JTC 1/SC 42 JWG 2. Meetings of LITD 30/WG 6 (Working as mirror committee of ISO/IEC JTC 1/SC 42 JWG 2) are held weekly to discuss contributions of this document.

Mr. Raghvendra Bhat (Intel India) is Project Editor. In the last meeting of JTC 1/SC 42, the timetrack of this project was changed to 36 months and a CD ballot needs to be issued by July 2024.

Mr. Raghvendra Bhat is requested to provide an update.

The committee may consider.

d) ISO/IEC TR 42106 Artificial Intelligence — Overview of differentiated benchmarking of AI system quality characteristics (5 minutes)

The Working Draft of ISO/IEC 42106 is under development in ISO/IEC JTC 1/SC 42 WG 3. Dr. Nisheeth Srivastava (IIT Kanpur) is Project Editor. In the last meeting of JTC 1/SC 42, Dr. Nisheeth Srivastava presented an update of the latest working draft. This project is expected to move to CD stage by next plenary meeting (October 2024) of JTC 1/SC 42.

Dr. Nisheeth Srivastava is requested to provide an update.

The committee may consider.

4.2 DOCUMENTS of JTC 1/SC 42 (5 minutes)

4.3.1 Following documents are due for India's inputs:

SL. No	Document No. & Title	Closing Date for ISO voting/ SC 42 WG	Last date for inputs by LITD 30/LITD 30 Panel Member/Invitee	Inputs Received
1	ISO/IEC FDIS 5259-1 Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 1: Overview, terminology, and examples	27 May 2024	30 April 2024	-

2	ISO/IEC FDIS 5259-3 Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 3: Data quality management requirements and guidelines	27 May 2024	30 April 2024	-
3	ISO/IEC FDIS 5259-4 Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 4: Data quality process framework	27 May 2024	30 April 2024	-
4	SR ISO/IEC 20546:2019 Information technology — Big data — Overview and vocabulary	3 June 2024	30 April 2024	-
5	ISO/IEC NP TS 42112 Information technology — Artificial intelligence — Guidance on machine learning model training efficiency optimisation	14 June 2024	30 April 2024	-
6	ISO/IEC NP 4213 Artificial intelligence — Performance measurement for AI classification, regression, clustering and recommendation tasks	28 June 2024	30 May 2024	-
7	ISO/IEC DIS 12792 Information technology — Artificial intelligence — Transparency taxonomy of AI systems	16 July 2024	30 May 2024	
8	ISO/IEC NP TS 42111.2 Information technology — Artificial intelligence — Guidance on lightweight AI systems	28 July 2024	30 May 2024	
9	ISO/IEC NP 22989-2 Artificial intelligence — Concepts and terminology — Part 2: Healthcare	29 July 2024	30 May 2024	
10	ISO/IEC NP TS 25223 Information technology — Artificial intelligence — Guidance and requirements for uncertainty	2 Aug 2024	15 June 2024	

quantification in AI systems"			
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All documents have been already circulated to members. Documents could also be accessed through document repository of BIS Standardization portal (https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/master-repository).

The committee may consider and finalize India's inputs on these documents.

4.3 As decided in the previous meetings of LITD 30; Experts have been registered/removed from their respective Groups. Updated list of experts registered in the Sub-groups (working groups, Ahg etc.) of JTC 1/SC 42 is given in **Annex-2**.

The committee may note and review.

4.4 JTC 1/SC 42 Published Standards (5 minutes)

The following standard has been published since the last meeting of LITD 30.

1. ISO/IEC TS 8200:2024 Information technology — Artificial intelligence — Controllability of automated artificial intelligence systems
2. ISO/IEC TR 17903:2024 Information technology — Artificial intelligence — Overview of machine learning computing devices
3. ISO/IEC TR 24030:2024 Information technology — Artificial intelligence (AI) — Use cases

The Committee may note

4.5 MEETINGS OF JTC 1/SC 42 “ARTIFICIAL INTELLIGENCE”

4.5.1 Thirteenth plenary and working group meetings of JTC 1/SC 42 (20 minutes)

4.5.1.1 Thirteenth plenary and working group meeting was held as per following schedule in Seoul, South Korea during 22nd – 26th April 2024:

- The Opening SC 42 Plenary – 22nd April 2024
- JTC 1/SC 42 WGs – 23rd to 25th April 2024
- The Closing Plenary - 26th April 2024

Fourteenth plenary and working group meeting is scheduled to be held in France during 7th-11th October 2024.

4.5.1.2 Following delegates participated in the meeting:

- i. Dr. C. Anantaram (In personal capacity)- HoD, *Opening, closing plenary and WG meetings. In person at Seoul, South Korea*
- ii. Dr. Mohammed Javed (IIT, Allahabad)-*Opening, closing plenary and WG meetings. In person.*
- iii. Mr. Sridharan Sankaran (TCS)- *Opening, closing plenary and WG meetings. In person*
- iv. Dr. Gargi Keeni (In Personal Capacity)– *Opening, closing plenary and WG meetings. In person*
- v. Mr. Kshitij Bathla (BIS)- *Opening, closing plenary and WG meetings, In person*
- vi. Mr Srinivas Poosarla (Infosys)- *Opening, closing plenary and WG meetings , In person*

- vii. Mr Syed Ahmed (Infosys)-Opening, closing plenary and WG meetings , In person
- viii. Dr. Pushpak Bhattacharyya (IIT, Bombay) – Opening and closing plenary (Remote Participation)
- ix. Dr. Shrikant Bhat (ABB India)- Opening, closing plenary and WG meetings (Remote participation)
- x. Dr. Nisheeth Srivastava (IIT Kanpur)- Opening and closing plenary and WG meetings (Project Editor of ISO/IEC TR 42106), (Remote participation)
- xi. Mr. Raghavendra S Bhat (Intel India)- WG meetings (Project Editor of ISO/IEC 17847) (Remote participation)
- xii. Dr. Sitarama brahmam Gunturi (TCS)- Opening and closing plenary (Remote participation)
- xiii. Dr. Ramesh Balaji (TCS)- Opening and closing plenary (Remote participation)
- xiv. Mr. Ajay Sudhir Panse (TCS)- Opening and closing plenary (Remote participation)

Delegates are requested to debrief the committee

Resolutions are given in **Annex-3**. Major actions required along with resolutions and convener closing plenary report were circulated to all vide email dated 01 May 2024. **Major actions are reproduced in Annex-4.**

ITEM 5 DOCUMENTS IN WIDE CIRCULATION (10 Minutes)

5.1 Based on decision taken in last meeting, following documents were circulated in Wide circulation:

S.No.	Document No.	Document Title	Last date of comments	Remarks
1	LITD/30/24566 (Identical To: ISO/IEC 42001:2023)	Information Technology - Artificial Intelligence- Management System	05-03-2024	Inputs received from Mr ChandraSR K along with Member secretary observations are enclosed in Annex-5 . Members were requested to provide inputs by 10th May 2024. Further inputs of members and Mr. ChandraSR K are given in Annex-6 .
2	LITD/30/24866 (Identical To: ISO/IEC 5338:2023)	Information Technology- Artificial Intelligence- AI System Life Cycle	16-04-2024	Inputs received from Mr ChandraSR K are enclosed in

		Processes		Annex- 7. Members were requested to provide inputs by 16th May 2024.
3	LITD/30/24862 (Identical To: ISO/IEC TR 5469:2024)	Artificial Intelligence - Functional Safety and AI Systems	16-04-2024	Inputs received are given in Annex-8. No change has been proposed in the inputs.
4	LITD/30/24867 (Identical To: ISO/IEC TS 25058:2024)	Systems and Software Engineering- Systems and Software Quality Requirements and Evaluation SQuaRE -Guidance for Quality Evaluation of Artificial Intelligence AI Systems	16-04-2024	
5	LITD/30/24865 (Identical To: ISO/IEC 5339:2024)	Information Technology - Artificial Intelligence- Guidance for AI Applications	16-04-2024	

The Committee may consider.

ITEM 6 PROGRAM OF WORK

6.1 Program of work of LITD 30 is available at BIS website (https://www.bis.gov.in/https://www.services.bis.gov.in/php/BIS_2.0/eBIS/).

The committee may note.

6.2 List of standards to be reviewed during April 2024-March 2025 is as follows:

Sl. No.	IS No.	TITLE	Published Year	Eqv.	Reaffirm M-Y
1	IS/ISO/IEC/TR 20547-1 : 2020	Information technology Big data reference architecture Part 1: Framework and application process		Identical under single numbering	Jan 2025
2	IS/ISO/IEC 20547-3 : 2020	Information technology Big data reference architecture Part 3: Reference architecture		Identical under single numbering	June 2024

3	IS/ISO/IEC/TR 24028 : 2020	Information technology Artificial intelligence Overview of trustworthiness in artificial intelligence		Identical under single numbering	Jan 2025
4	IS/ISO/IEC/TR 24030 : 2021	Information technology Artificial intelligence AI Use cases		Identical under single numbering	Jan 2025
5	IS/ISO/IEC/TR 24029-1 : 2021	Artificial Intelligence AI Assessment of the robustness of neural networks Part 1: Overview		Identical under single numbering	Feb 2025

The committee may consider.

ITEM 7 PANEL 3 "LEVELS OF SPECIFICATIONS FOR AI SYSTEMS"

7.1 In 24th meeting of LITD 30 following was decided:

“The committee deliberated and decided to start development of Indian standard as well in parallel to the discussion happening at JTC 1/SC 42. LITD 30/Panel 3 under the convenership of Prof. Nisheeth Srivastava was requested to start development of the Indian standard.”

The committee also decided that LITD 30/Panel 3 may co-opt and withdraw members as per the requirement.”

The committee may note.

ITEM 8 R&D PROPOSALS

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

- 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;
- Expand the network of domain area experts to carryout R&D projects in the areas related to standardization and conformity assessment; and
- Enrich the research ecosystem in the educational institutions imparting technical and professional education.

R & D guidelines and list of Research and Development Projects on the offer are available on https://www.services.bis.gov.in/php/BIS_2.0/eBIS/research-projects-commissioned

Based on the discussion held in the last meeting and further correspondence Dr Asif Ekbal (IIT, Patna) & Dr Chitra Vishwanathan (DRDO) were nominated to the research evaluation committee for "Study of Impacts of Artificial Intelligence on Human Psychology".

This Project has been awarded to MNIT, Jaipur.

The committee may note.

ITEM 9 INFORMATION RELATED TO IMPLEMENTATION OF STANDARDS

9.1 Members contributing to the development of standards are expected to make use of/implement these standards in their organizations. Members are requested to inform about usage of standards by their respective organizations.

The committee may consider.

ITEM 10 INFORMATION ON E-SALE OF STANDARDS BY BIS

10.1 Bureau of Indian Standards, the National Standards Body of India has published more than 20000 Indian Standards. Indigenous standards are available for free. Indian standards which are adoption of ISO and IEC standards are available for sale. These can be accessed at <http://www.standardsbis.in>.

The committee may note.

ITEM 11 NATIONAL INSTITUTE FOR TRAINING IN STANDARDIZATION (NITS)

11.1 National Institute of Training for Standardization (NITS) has been set up by BIS with world class facilities to impart training on various aspects leading to standardization, quality and other management systems, consumer protection, public service delivery, etc. The organizations willing to depute their personnel for training may kindly go through the appropriate programme (<http://www.bis.gov.in>) and get them registered to undergoing training.

The committee may note.

ITEM 12 MANAKONLINE

12.1 BIS has migrated its activities into an online collaboration tool. Three portals – the Standardization, Conformity Assessment and Training Portals of e-BIS can be accessed through www.manakonline.in. BIS committee related work like, meeting notice, issuing agenda, minutes, P-draft, WC draft etc. is being done through the Standardization portal.

The committee may note.

ITEM 13 DATE AND PLACE FOR THE NEXT MEETING (5 minutes)

13.1 As decided in the last meeting, meeting schedule of LITD 30 and its WGs for 2024-25 is as follows:

LITD 30 meetings -

36th meeting - in the week of 20th -24th [May 2024](#)

37th meeting - in the week of 2nd-6th [Sep 2024 \(IIT Bombay\)](#)

38th meeting - in the week of 14th -18th [Oct 2024](#)

39th meeting - in the week of 6th-10th [Jan 2025](#)

LITD 30/WG meetings schedule is given below:

Day of the Month	LITD 30/WG	Day of the Week	LITD 30/WG	Day of the Week	LITD 30/WG	Day of the Month	LITD 30/WG
First Monday	WG 1 (starting from 6th May)	Second Monday	WG 7 (Starting from 13th May 2024)-	Third Monday		Fourth Monday	

	2024)- bimonthl y		bimonthly				
First Tuesday		Second Tuesday	WG 8 (Starting from 14th May 2024)- bimonthly	Third Tuesday		Fourth Tuesday	
First Wednesd ay		Second Wednesda y		Third Wednesd ay	WG 5 (starting from 15th May 2024)- bimonthly	Fourth Wednesda y	WG 4 (starting from 22nd May 2024)- bimonthly
First Thursday	WG 2 (starting from 2nd May 2024)- bimonthl y	Second Thursday	WG 3 (starting from 9th May 2024)- monthly	Third Thursday		Fourth Thursday	
First Friday		Second Friday		Third Friday		Fourth Friday	WG 9 (starting from 24th May 2024)- bimonthly

Major agenda items of LITD 30/WG meetings are

- a. Examine and recommend India's inputs for JTC 1/SC 42 documents relevant to the WG
- b. Exchange of information among Indian experts registered in the respective SC 42/WG
- c. Any other item based on suggestion of LITD 30/WG convener/member

Further meetings of LITD 30/WG 6 are held weekly and it is expected to continue the same schedule.

WG meetings have been scheduled as per above schedule. Meeting links have been also circulated to all WG members.

The committee may note.

ITEM 14 ANY OTHER BUSINESS