

## BUREAU OF INDIAN STANDARDS

### MINUTES

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

<b>DATE: 06-11-2023</b> <b>DAY: Monday</b> <b>TIME : 1030h –1230h</b>	<b>VENUE: Webex</b> Meeting link: <a href="https://bismanak.webex.com/bismanak/j.php?MTID=m9b08d94298ae252d6e52634c3e107037">https://bismanak.webex.com/bismanak/j.php?MTID=m9b08d94298ae252d6e52634c3e107037</a> Meeting number: 2510 138 7575 Password:30@33
<b>Chairperson for the meeting: Dr. C Anantaram</b>	<b>Member Secretary: Shri Kshitij Bathla</b>

List of participants is given in Annex-1.

#### ITEM 0 WELCOME

- 0.1 Member Secretary extended welcome to all participants. He informed that Dr. Pushpak Bhattacharyya Chairperson LITD 30 is still recovering so he would not be able to participate in today's meeting. He has suggested that Dr. C Anantaram may chair today's LITD 30 meeting. Dr. C Anantaram and the committee agreed to the suggestion. Member Secretary expressed gratitude to Dr. C Anantaram and the committee.
- 0.2 Member Secretary provided a brief overview of standardization activity and work being carried out. Presentation is given in **Annex-2**.

#### ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETINGS

- 1.1. Member Secretary informed that the minutes of the Thirty Second meeting of the Artificial Intelligence sectional committee held on 11<sup>th</sup> Oct 2023 were circulated on 16<sup>th</sup> Oct 2023 and no comments have been received. The committee formally confirmed the minutes.

#### ITEM 2 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE LITD 30

- 2.1 The committee noted the information as given at item 2.1 and 2.2
- 2.2 Member Secretary informed that composition of "Artificial Intelligence, Sectional Committee LITD 30" and its panel/working groups is available on BIS website ([www.bis.gov.in](http://www.bis.gov.in) and [www.manakonline.in](http://www.manakonline.in)). He requested members to review composition and inform if there are any discrepancies w.r.t their designation etc. Member secretary informed that as per recent directives given by BIS management failure to attend two consecutive meetings of the technical committee shall attract termination of the membership of the Technical Committee. The committee reviewed composition of committee and its sub-groups along with participation status as given in Annex- 1. Member secretary informed that

letter/emails to non-participating organizations have been already sent and based on the response further actions would be initiated based on the recent directives of the BIS management.

**2.3** The committee considered the following co-option requests have been received from following:

Mr. Sajid Wazir	Veative Labs Pvt Ltd.,	<p>Member Secretary informed that Mr. Sajid Wazir was requested to provide his organization’s authorization letter and to consider participation in this meeting. He informed that no response has been received from Mr. Sajid Wazir.</p> <p>Member Secretary informed that as per his understanding work of ‘Veative Labs Pvt Ltd’ is related to LITDC/Panel 8 ‘Metaverse’. The committee considered the information and decided following:</p> <p>a) To wait till 30<sup>th</sup> November 2023 for response of Mr. Sajid Wazir, further decision would be taken based on his response.</p> <p>b) Request LITDC/Panel 8 to consider request of Mr. Sajid Wazir.</p>
Dr. Mohammed Javed	IIIT Allahabad	<p>Member Secretary informed that he has provided his organization’s authorization letter. The Committee considered Dr. Mohammed Javed’s request and decided to co-opt IIIT Allahabad in the LITD 30 Sectional committee.</p>
Mr Chappidi bala Sai ganesh	Tech Mahindra	<p>Member Secretary informed that Mr Chappidi bala Sai ganesh was requested to provide his organization’s authorization letter and to consider participation in this meeting. He informed that no response has been received from Mr Chappidi bala Sai ganesh.</p> <p>The committee considered the information and decided to send reminder to him. The committee also decided to wait till 30<sup>th</sup> November 2023 for his response. It was decided that further decision would be taken based on the response of Mr Chappidi bala Sai ganesh.</p>
Mr Rishabh Dangwal	KPMG India Private Limited	<p>Member Secretary informed that Mr Rishabh Dangwal was requested to provide his organization’s authorization letter. Member Secretary informed that he has received a letter which was shown to the committee. Letter was not authorization letter so it was decided to ask him to provide his organization’s authorization letter. The committee decided that further decision would be taken based on further response of Mr Rishabh Dangwal.</p>
Mr. Ankit Jain, Sc- D Ms. Anjali Jain, Sc- C	Standardisation Testing and Quality Certification (STQC), Ministry of Electronics and IT	<p>The Committee considered the co-option request of STQC. STQC representatives informed that STQC is working in the domain of Cyber-security and STQC is also considering Testing of AI systems so participation of STQC would be beneficial to STQC and the committee. The committee deliberated and decided to co-opt Mr. Ankit Jain &amp; Ms. Anjali Jain in the LITD 30 Sectional committee.</p>

Member Secretary informed that he has also received co-option request of Mr. Sundar Narayanan ( <https://www.linkedin.com/in/sundaraparipurnann/>). He informed that Mr. Sundar Narayanan has been referred by Mr. Adam Smith (UK expert in JTC 1/SC 42) in relation to a project on Standard on Nudges being considered by CEN-CENELAC as project in JTC 1/SC 42. He informed that more information is being sought from Mr. Sundar Narayanan. It was decided that based on the further information, the committee may decide regarding this co-option request in the subsequent meetings.

### **ITEM 3 NEW WORK ITEM PROPOSAL**

**3.1** The committee noted the information as given at item 3.1 of the agenda.

### **ITEM 4 INTERNATIONAL STANDARDIZATION ACTIVITIES**

**4.1** The committee noted the information as given at item 4.1 of the agenda.

#### **4.2 INDIA’S PROPOSALS TO JTC 1/SC 42**

**4.2.1** The committee noted the information as given at item 4.2 of the agenda and requested members to participate in the development of the following proposals:

1. Proposal -Reliability of AI Systems
2. Proposal -Guidance for Generative AI Applications (This has been now assigned as study item to JTC 1/SC 42 WG 4)

Member secretary informed that information related to these would be shared with all members accordingly members may consider and confirm their interest to contribute to these proposals.

#### **4.2.2 Status of India’s approved proposals to JTC 1/SC 42**

The committee noted the information as given at item 4.2.2 and requested members to participate in the development of documents:

- a) ISO/IEC TS 17847 Verification and Validation Analysis of AI Systems
- b) ISO/IEC TR 42106 Artificial Intelligence — Overview of differentiated benchmarking of AI system quality characteristics

Member secretary informed that information related to these would be shared with all members accordingly members may consider and confirm their interest to contribute to these documents.

### **4.3 DOCUMENTS of JTC 1/SC 42**

**4.3.1** The committee considered the information as given at item 4.3 of agenda and members were requested to consider and provide inputs at the earliest:

<b>SL. No</b>	<b>Document No. &amp; Title</b>	<b>Closing Date for ISO voting</b>	<b>Last date for inputs by LITD 30/LITD 30 Panel Member/Invitee</b>

1.	ISO/IEC DTS 25058 Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Guidance for quality evaluation of artificial intelligence (AI) systems	23 Nov 2023	30 Oct 2023
2.	ISO/IEC FDIS 42001 Information technology — Artificial intelligence — Management system	1 Dec 2023	15 Nov 2023
3.	ISO/IEC DTR 5469 Artificial intelligence — Functional safety and AI systems	1 Dec 2023	15 Nov 2023
4.	ISO/IEC FDIS 5339 Information technology — Artificial intelligence — Guidance for AI applications	5 Dec 2023	15 Nov 2023

Corresponding LITD 30/WGs were requested to schedule meetings to finalize inputs on the documents.

**4.4** The committee considered the information as given at item 4.4 of agenda. Member Secretary conveyed that for each project of JTC 1/SC 42 we should have at least one or two Indian experts. Member secretary informed that he would share updated list of under development documents of JTC 1/SC 42 and accordingly members may inform the project in which they would be contributing. Members who are already registered as experts were specifically requested to inform if they have not yet identified the project and other experts were requested to provide update related to their participation if not provided during last 4 meetings.

Member Secretary informed that JWG 4 and JWG 5 has been established and we should specifically nominate experts in these groups. The committee deliberated and decided to register members as experts in the respective groups of JTC 1/SC 42 as mentioned below:

WG 1- Dr C. Anantaram ,Dr Shrikant Bhat

WG 2- Ms. Hemlata Prasad,

WG 3- Mr. Srinivas P, Mr. Ankit Jain

JWG 2- Ms. Anjali Jain, Mr. Ankit Jain

JWG 3- Dr. Gargi Keeni, Ms.Anjali Jain,

JWG 4- Dr. Amit Sata

JWG 5- Dr. Asif Ekbal, Dr C. Anantaram , Dr. Mohammed Javed

#### **4.5 JTC 1/SC 42 Published Standards**

The committee noted the information as given at item 4.5 of the agenda.

#### **4.6 MEETINGS OF JTC 1/SC 42 “ARTIFICIAL INTELLIGENCE”**

##### **4.6.1 Twelfth plenary and working group meetings of JTC 1/SC 42**

**4.6.1.1** Twelfth plenary and working group meeting was held as per following schedule in Vienna, Austria during 16th – 20th October 2023 (face to face meeting with best efforts being made relative to remote participation):

- The Opening SC 42 Plenary-16 October 2023 (1100h – 1800h)
- JTC 1/SC 42 WGs- 17th October to 19th October 2023 (0900 – 1800h)
- Closing Plenary 2022- 20 October 2023 (1300 – 1800h)

Members were requested to consider the resolutions and convenor closing plenary reports as given in Annex-3 and 4 of agenda. The committee specifically considered the actions as mentioned in Annex-5 of the agenda.

Member secretary suggested that he would share information related to under development documents of JTC 1/SC 42 and accordingly members should identify the projects and start contributing. Members were requested to consider the documents as given in **Annex-3 and Annex-4**. Delegates briefed the updates of the Plenary and WG meetings. Indian delegation's participation in the ISO/IEC JTC 1 SC42 Plenary meet in Vienna was described by the delegates. There was general discussion regarding our proposals and the overall meeting. It was noted that India's Potential NWIP on Guidance for Generative AI Applications was well received and assigned to WG4 as a Study Item by the Plenary. Updates are given in **Annex-5**.

Regarding update related to EU AI act and EU commission's request to CEN-CENELAC to provide standards for EU AI act Dr. Avik conveyed following:

He informed that India has presidency of Global Partnership on Artificial Intelligence – GPAI (GPAI) and has mandate from G-20 to come up with common framework for responsible AI. He suggested to have workshop to discuss further w.r.t EU AI act, Standardization activities and GPAI' activities. He informed that he is part of all these initiatives. The committee requested Dr. Avik to provide further details to plan such workshop/discussion.

Members were also requested to consider and inform their plan of participation in next SC 42 Plenary and WG meeting which is scheduled to be held during 22nd -26th April 2024 at Seoul, Korea.

## ITEM 5 DOCUMENTS IN WIDE CIRCULATION

**5.1** The committee considered the information as given at agenda item 5 of the agenda. The committee decided that in case of no comments by the due date, the following documents would be considered as finalized for publication as Indian Standard and in case comments are received then the comments would be put up to the committee for further decision:

S.No.	Document No.	Document Title	Last date of comments
1	LITD/30/23531 (Identical To: ISO/IEC 25059:2023)	Software engineering Systems and software Quality Requirements and Evaluation SQuaRE Quality model for AI systems	13 Nov 2023
2	LITD/30/23529 (Identical To: ISO/IEC 8183:2023)	Information technology Artificial intelligence Data life cycle framework	13 Nov 2023

3	LITD/30/23530 (Identical To: ISO/IEC 24029- 2:2023)	Artificial intelligence AI Assessment of the robustness of neural networks Part 2: Methodology for the use of formal methods	13 Nov 2023
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## **ITEM 6 PROGRAM OF WORK**

**6.1** The committee noted the information as given at item 6.1 of the agenda.

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

**7.1** The committee noted the information as given at item 7.1 of the agenda.

## **ITEM 8 R&D PROPOSAL**

**8.1** Member secretary provided brief overview of R& D guidelines. The committee deliberated on the proposal as given in Annex-5 of the agenda. Dr. Avik suggested to include social scientist (in this case psychologist) in this study. He also conveyed that AI is used in many sectors like in online shopping, health check-up etc. so sector specificity would be helpful. Member secretary conveyed that idea was to first study should bring out what is the overall impact and subsequently sector wise study could also be done. The committee deliberated and it was decided that any specific change, if required in ToR shall be informed by today (6<sup>th</sup> Nov 2023) and approved the R&D proposal for further necessary actions. Proposal is enclosed as **Annex-6**.

Members were requested to consider and suggest other R&D projects which could be considered as per the guidelines.

Dr. Amit Sata informed that he is considering proposal for ‘Metaverse enabled Manufacturing system’ and ‘Block chain enabled IIoT for Manufacturing’’. He informed that they have setup lab at their university. He enquired about the timeline of submission. Member secretary informed that this is a continuous exercise and accordingly he can submit proposals. He also enquired about the related committee of LITD to which proposal should be submitted. Member Secretary informed that he may send it to the committee which is related to standardization aspects of the area and in case of confusion he may approach Electronics and IT Department([litd@bis.gov.in](mailto:litd@bis.gov.in), [hlitd@bis.gov.in](mailto:hlitd@bis.gov.in)) .

## **ITEM 9 INFORMATION RELATED TO IMPLEMENTATION OF STANDARDS**

**9.1** The committee noted the information as given at item 9 .1 of the agenda.

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

**10.1** The committee noted the information as given at item 10.1 of the agenda.

## **ITEM 11 NATIONAL INSTITUTE FOR TRAINING IN STANDARDIZATION (NITS)**

**11.1** The committee noted the information as given at item 11.1 of the agenda.

## **ITEM 12 MANAKONLINE**

**12.1** The committee noted the information as given at item 12.1 of the agenda.

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

**13.1** Member Secretary informed that as per annual meeting calendar next meeting date is 08 February 2024.

### **ITEM 14 ANY OTHER BUSINESS**

**14.1** There was suggestion to plan face to face meeting of LITD 30.

**14.2** There being no other business to be discussed, meeting ended with vote of thanks to the chairperson and all the participants.