BUREAU OF INDIAN STANDARDS

<u>MINUTES</u>

TENTH MEETING OF E-LEARNING SECTIONAL COMMITTEE, LITD 19

DATE: **VENUE:**

11 February 2022   Webex Platform

Time: 1430h onwards

Chairperson: Dr N Sarat Chandra Babu (SETS)   **Member Secretary**: Shri Priyanshu Sharma

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Attendees:

3. Dr A Prabhakar, Former ED (R&D), ITI Ltd
4. Dr P V Ananda Mohan, Former ED, ECIL
5. Shri H. R Mohan, CSI
6. Shri Satyanarayana, CDAC
7. Shri M Kumar, CDAC
8. Shri P Ramu, CDAC
9. Dr A Murli M Rao, IGNOU
10. Shri Venkata Narasimha Rao Nadella, INTEL
11. Shri Srikanth Chandrasekaran, IEEE India
12. Dr R D Kharadkar, IETE
13. Dr Ketan Rajawat, IIT Kanpur
14. Prof Y N Singh, IIT Kanpur
15. Prof Jyotsna Kumar Mandal, IETE
16. Ms Rajani, NIC
17. Dr C V Syamala, In personal capacity
18. Shri Karthik K.S, In personal capacity
19. Dr Amit Sata, MEFGI
20. Dr Shirshendu Roy, In personal capacity

Regret:

1. Ms V Vinodhini, In personal capacity
2. Dr A Paventhan, ERNET India

ITEM 0 WELCOME

0.1 At the outset, the Member Secretary welcomed the Chairman and members. He further thanked them for attending the tenth meeting of E-Learning sectional Committee, LITD 19. He then requested Chairman to give his opening remarks.

0.2 Chairman welcomed the members to the 10th meeting of E-learning Sectional Committee. In his opening remarks, he briefly introduced himself to the committee. After giving a brief of the recently concluded ELELTECH seminar, he talked about the rapid switch in education to ONLINE given the ongoing Covid-19 situation. ONLINE Education has, more or less, become a part of daily life making the need of standards in this field very important. The committee members were requested to actively contribute to the standardization efforts of BIS in this domain.

0.3 He then requested the members to introduce themselves.

After having a formal introduction from the members present, he requested member secretary to take up with the agenda items.

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The Member Secretary informed that the minutes of the last (9th) meeting of LITD-19, which was held on 28 Jun 2021 were circulated vide email dated 02 Aug 2021.

There being no comment(s) from the Members, the Committee formally **confirmed** the minutes.

ITEM 2 SCOPE & COMPOSITION OF SECTIONAL COMMITTEE

2.1 The committee **reviewed** the committee composition given in Annex-1 of the agenda. CDAC informed that from this meeting onwards, Shri M Kumar (Principal) and Shri P Ramu (Alternate) from CDAC, Hyderabad will represent CDAC in the committee alongside Shri N Satyanarayana (Alternate) in place of Smt Lakshmi Kalyani & Shri V K Sharma.

The committee **co-opted** Dr P V Ananda Mohan & Dr A Prabhakar to the committee.

2.2 The committee reviewed the composition enclosed at Annex-1 of the agenda. The committee **decided** to **co-opt** both members listed in S.no 2.2 of the Agenda to the LITD-19 sectional committee.

ITEM 3 DRAFTS IN WIDE CIRCULATION

Sl.no	Doc no & IS no	Title	Document Type	Decision of the committee
1	LITD 19 (17767) (Identical To: ISO/IEC TR 18120:2016)	Information technology - Learning education and training - Requirements for e-textbooks in education	New	It was **decided** to formulate a panel (LITD 19/P2) of experts for the standard development based on this document, since this is only a technical report detailing the requirements for e-textbooks in education which may be finalized as per their needs. The committee finalized the **composition** of Panel 2 as follows: 1. Dr Ananda Mohan

				2. Dr R D Kharadkar 3. Dr Jyotsna Kumar Mandal 4. Dr C V Syamala **Note:** Panel Convenor will be decided in consultation with Chair, LITD 19.
2	LITD 19 (17769) (Identical To: ISO/IEC TS 20748-3: 2020)	Information technology for learning education and training — Learning analytics interoperability — Part 3: Guidelines for data interoperability	New	Since no comments were received on WC-draft, the committee **decided** to send it to publication for printing as an Indian standard.
3	LITD 19 (17770) (Identical To: ISO/IEC TS 20748-4: 2020)	Information technology for learning education and training — Learning analytics interoperability — Part 4: Privacy and data protection policies	New	Some members showed interest in reviewing this document before sending for publication. The committee **requested** the Member Secretary to share this document with Dr A Murli M Rao, Dr Ananda Mohan & Dr Jyotsna Kumar Mandal. Incase no comments are received within 15 days of circulation of document, it will be understood that members approve this document and it **shall** be sent for publication.
4	LITD 19 (17772) (Identical To: ISO/IEC TR 12785-3: 2012)	Information technology - Learning education and training - Content packaging Part 3: Best practice and implementation guide	New	Since no comments were received on WC-draft, the committee **decided** to send it to publication for printing as an Indian standard.
5	LITD/19/17872 IS/ISO/IEC 2382 : PART 36: 2013 (Identical To: ISO/IEC 2382-36:2019)	Information technology - Vocabulary Part 36: Learning education and training	Revision	Since no comments were received on WC-draft, the committee **decided** to send it to publication for printing as an Indian standard.
6	LITD/19/17873 (Identical To: ISO/IEC TR 18121:2015)	Information technology-Learning education and training- Virtual experiment framework	New	Since no comments were received on WC-draft, the committee **decided** to send it to publication for printing as an Indian standard.

7	LITD/19/17875 (Identical To: ISO/IEC TS 29140:2020)	Information technology for learning education and training - Nomadicity and mobile technologies	Superseding ISO/IEC TS 29140-1:2011 & ISO/IEC TS 29140-2:2011	The committee **decided** to circulate draft document identical to ISO/IEC 29140: 2021 for Wide circulation for a period of 2 months, superseding the under development document identical to ISO/IEC TS 29140:2020.
8	LITD/19/17876 (Identical To: ISO/IEC 40180:2017)	Information technology - Quality for learning education and training - Fundamentals and reference framework	Superseding IS/ISO/IEC 19796 : PART 1 : 2005	The committee opined the comments provided were relevant. It was **decided** that Member secretary may put it up to the committee manager of JTC 1/SC 36. The committee was of the view that comments given in Annex-3 of the agenda should be included in the document unless technical justification is received from the ISO secretariat regarding reference to ISO/IEC 14001 & not ISO/IEC 27001.

ITEM 4 REVIEW OF PUBLISHED INDIAN STANDARDS

4.1 The committee examined the standards given in item 4.1 of the agenda and following decisions were taken:

Sl.no	IS no. & Title	Present Status of base international standard	Decision taken
1.	IS/ISO/IEC 23988 : 2007 ISO/IEC 23988 : 2007 Information technology - A code of practice for the use of information technology (IT) in the delivery of assessments	ISO/IEC 23988 : 2007	The committee **decided** to reaffirm the standard for a period of 3 years from the due date of reaffirmation.
2.	IS/ISO/IEC/TR 29163 : Part 1 : 2009 ISO/IEC TR 29163-1 : 2009 Information Technology Sharable Content Object Reference Model SCORM 2004 3rd Edition Part 1 Overview Version 1.1	ISO/IEC TR 29163-1 : 2009	The committee **decided** to reaffirm the standard for a period of 3 years from the due date of reaffirmation.
3.	IS/ISO/IEC TR 29163 : Part 2 : 2009 ISO/IEC TR 29163-2:2009 Information Technology- Sharable Content Object Reference Model SCORM 2004 3rd Edition Part 2 Content Aggregation Model Version 1.1	ISO/IEC TR 29163-2 : 2009	The committee **decided** to reaffirm the standard for a period of 3 years from the due date of reaffirmation.
4.	IS/ISO/IEC/TR 29163 : Part 3 : 2009 ISO/IEC TR 29163-3 : 2009 Information Technology Sharable Content Object Reference Model SCORM 2004 3rd Edition Part 3 Run-Time Environment Version 1.1	ISO/IEC TR 29163-3 : 2009	The committee **decided** to reaffirm the standard for a period of 3 years from the due date of reaffirmation.

5.	IS/ISO/IEC/TR 29163 : Part 4 : 2009 ISO/IEC TR 29163-4 : 2009 Information Technology Sharable Content Object Reference Model SCORM 2004 3rd Edition Part 4 Sequencing and Navigation Version 1.1	ISO/IEC TR 29163-4 : 2009	The committee **decided** to reaffirm the standard for a period of 3 years from the due date of reaffirmation.

ITEM 5 PRESENT POSITION OF WORK

5.1 The committee noted present position of work given in Annex 2 of the agenda.

ITEM 6 INTERNATIONAL ACTIVITES

6.1 The committee noted the information given in 6.1 of the agenda.
6.2 The committee noted the information given in 6.2 of the agenda.
6.3 The committee noted the information given in 6.3 of the agenda.

The committee **decided** to nominate the following experts in various working groups of ISO/IEC JTC 1/SC 36:

S.no	WG	Name of expert
1	WG 3 Learner information	Dr R D Kharadkar Dr Parag Kulkarni***** (Dr Kharadkar to send his resume to the BIS secretariat for consideration)
2	WG 4 Management and delivery	Shri M Kumar Dr Shirshendu Roy
3	WG 7 ITLET - Culture, language and individual needs	Dr Amit Sata
4	WG 8 Learning Analytics Interoperability	Dr Jyotsna Kumar Mandal

* means recommendation for nomination is conditional, subject to relevant expertise & assurance of contribution to the standardization work.

The committee **recommended** withdrawal of nomination of following experts from various working groups of ISO/IEC JTC 1/SC 36 due to their lack of participation:

- Shri Sandesh Jain – WG 3
- Ms Lakshmi Kalyani – WG 4
- Ms Vijaya Kumari – WG 4

Members may also communicate to the member secretary about their interest in nomination as an Indian expert in one or more working groups of ISO/IEC JTC 1/SC 36 for the committee's consideration.

6.4 FUTURE ISO/IEC JTC 1/ SC 36 MEETINGS

6.4.1 The committee noted the information given in 6.4.1 of the agenda.

Members who would like to attend the upcoming Plenary and WG meetings of JTC 1/SC 36 may kindly send an email to the Member Secretary so that accordingly, the Indian delegation may be finalized.

6.4.2 The committee noted the information given in 6.4.2 of the agenda.

6.5   Standards of JTC 1/SC 36

6.5.1 The committee noted the information given in 6.5 of the agenda.

ITEM 7 NEW ITEM WORK PROPOSAL

7.1 Code of practice for Quality Assessment of Online Course Delivery Platform and Course Contents

7.2 E-Learning Management system

Member secretary informed the committee that recommendation of Panel 1 for both NWIPs is awaited. Panel members have requested for a brief presentation about each NWIP by the proposers, to get a better idea about the draft standards. Proposers of both NWIPs conveyed they are more than happy to give a brief presentation to the Panel members. The committee **requested** the Member secretary to coordinate and ensure the same is adhered to.
Based on the inputs received from the expert group, the committee may meet to discuss the inputs received accordingly.

ITEM 8 PLANNED WEBINAR BY THE COMMITTEE

8.1 The committee actively discussed about the plan of webinar. Various suggestions were provided ranging from possible sessions like Next Generation Digital Learning Environment, LRS (since learning contracts have become very important lately), assessment & experimentation to the theme of webinar, duration and planning of the webinar. The committee **requested** Member Secretary & Shri M. Kumar to coordinate, discuss and prepare a draft brochure/plan for the webinar. Dates around March/April 2022 may be considered for the webinar. We may schedule a brief committee meeting before the webinar too, to finalize the plan for webinar.

Dr H R Mohan suggested that a survey may be done to gather inputs from various institutes/universities on the present status of E-Learning, ranging from technology used to practical implementation. Committee members welcomed this suggestion. Member secretary clarified to the members that BIS works in standards formulation activity and thus, may not be able to contribute in the creation of a portal. CDAC officials **volunteered** to check with their competent authority if CDAC can arrange for this provision. CDAC was **requested** to provide an update regarding this. In the absence of a portal for the same, we may gather inputs from emails (or) Google forms. Chair, LITD 19 added that a presentation (study report) on this topic was also presented by Smt. Rama Devi during a webinar.

ITEM 9 INFORMATION ON E-SALE OF STANDARDS BY BIS

9.1 The committee noted the information given in 9.1 of the agenda.

ITEM 10 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

10.1 The committee noted the information given in 10.1 of the agenda.

ITEM 11 MANAKONLINE

11.1 The committee noted the information given in 11.1 of the agenda.

ITEM 12 DATE AND PLACE FOR THE NEXT MEETING

It was **decided** to conduct the next sectional committee meeting ONLINE tentatively in April 2022. Date will be finalized after consultation with the Chairman.

ITEM 12 ANY OTHER BUSINESS

12.1 Shri Srikanth, IEEE India briefed the committee about the work programme of LTSC committee of IEEE, which has published standards related to E-Learning & ITLET. The committee appreciated the efforts as well as Shri Srikanth volunteered to share with the Member Secretary the standards and their scopes for consideration, if the committee feels they are relevant for standards development work of LITD 19. The committee requested Mr Srikanth to share it with the Member Secretary.

As there were no other items left to be discussed, the meeting ended with a vote of thanks to the chair and all the participants.