भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

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MINUTES

TECHNICAL COMMITTEE: LITD 14

DOCUMENT DESPATCH ADVICE	
Ref	Date
LITD 14/A-2.25	18-01-2024

All Members of LITD 14

TWENTY FIFTH MEETING OF SOFTWARE AND SYSTEMS ENGINEERING SECTIONAL COMMITTEE, LITD 14 AND ITS PANELS

Time	1030h-1330h Thursday, November 23, 2023
Meeting link	https://bismanak.webex.com/bismanak/j.php?MTID=m12cd700b60cb33e4578808447e0c26f2
Meeting ID	2518 821 5202
Password	LITD14@25

Dear Sir(s),

Further to our Meeting of even number dated 23 Nov 2023, please find enclosed the MINUTES for the Twenty fifth Meeting of above referred Committee, LITD 14.

Comments, if any, related to recording of the minutes may please be communicated to the undersigned latest by 25 Jan 2024.

Thanking you,

Yours Sincerely,

Sd/-

Encl: As above

(Ashish Tiwari)
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BUREAU OF INDIAN STANDARDS
MINUTES

**TWENTY FIFTH MEETING OF SOFTWARE AND SYSTEMS ENGINEERING
SECTIONAL COMMITTEE, LITD 14
IN JOINT SESSION WITH THE PANELS**

Time	1030h-1330h Thursday, November 23, 2023
Meeting link	https://bismanak.webex.com/bismanak/j.php?MTID=m12cd700b60cb33e4578808447e0c26f2
Meeting ID	2518 821 5202
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IN CHAIR: 1Dr Sundeep Oberoi, Individual Capacity   MEMBER SECRETARY: 2 Shri Ashish Tiwari

Members Present:

2	Shri Sridhar Sukumar	Accenture
3	Dr Deva Henry	BlueKei
4	Smt Stueti Gupta	BlueKei
5	Shri Hrishikesh Karekar	Capgemini
6	Shri Kulbir Singh Raina	Capgemini
7	Shri Amit Barnawal	Cognizant
8	Dr Sridhar Chimalakonda	IIT, Tirupati
9	Smt Sailaja Parthasarathy	Intel
10	Shri N. Kishor Narang	Narnix
11	Shri Varun	NASSCOM
12	Shri Srikanth Srinivasan	NASSCOM
13	Smt Pooja Singh	NIC
14	Smt Ankita	NIC
15	Shri Sanjiv Kumar Agarwala	Oxygen Consulting
16	Shri Ramesh Jain	Paras Training
17	Shri Nitin Sharma	SESEI
18	Shri Anupam Agrawal	TCS
19	Dr Neha Sharma	TCS
20	Shri Devi Muraleedharan Nair	TCS
21	Smt Gayathri Ekambaram	TCS
22	Shri Anirban Bhattacharya	TCS
23	Smt Mary Praveena J	TCS
24	Smt Nayana Pandit	TCS
25	Smt Preeti Kate	TCS
26	Smt Vasantha Priya	TCS
27	Shri Santanu Ghosh	TCS
28	Shri Shilpu Kataria	TCS
29	Shri Sunish Cherian	TCS

30	Dr R D Kharadkar	The Institution of Electronics and Telecommunication Engineers
31	Dr Shalini Bhartiya	Vivekananda Institute of Professional Studies
32	Dr Gargi Keeni	In Prsonal Capacity
33	Shri Sumit Jha	In Prsonal Capacity
34	Smt Usha Mohan	In Prsonal Capacity

ITEM 0 GENERAL

0.1 The Member Secretary welcomed all the members to the Twenty fifth meeting of LITD 14. He informed the committee regarding the activities of various Working Group under LITD 14 and briefed the committee about the plenary meetings of SC 7 and SC 40 scheduled to be held during Dec 2023.

0.2 Dr Sundeep Oberoi extended warm welcome to all the members present and requested all the members for their effective and constructive contribution in standardization activities of the committee. He laid emphasis on the need for having standards for Very small-scale entities. With the proliferation of internet, the IT solutions and Data management is not only used at bigger firms but also at grass root level and it is the need of the hour that our standards should also consider their requirements into consideration. 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, the Committee formally confirmed the minutes of its last meeting held on 09 Nov 2023 held via webex.

ITEM 2 STATUS OF DATA MANAGEMENT PANEL (Panel 13)

2.1 Sh Anupam Agrawal briefed the committee about the work done by this panel so far. He informed that the panel has created draft standard for the Organizational Data Maturity Model and Assessment Framework. The purpose of this standard is to enable evaluation of data maturity of an organization using a maturity model. The proposed standard will provide the methodology for evaluating the as-is maturity level of an organization objectively and identify the opportunities for improvement. So far, this panel had more than 50 meetings and further the draft was circulated in wide circulation for comments.

Sl No.	Document Number	Title	Last date for comments
1	LITD/14/13926	Information Technology - Adequacy of Organizational Data Governance and Management Practices	14 Oct 2023

2.2 The member secretary informed that the draft was circulated in wide circulation and the comments received on the same are given in Annex 4 of the Agenda. The committee deliberated on the comments and requested Panel 13 to discuss and resolve the comments. Based on the comments disposition, the committee authorize chair, LITD 14 to finalize the draft on behalf of the committee. The committee thanked panel members for their immense

contribution.

ITEM 3 STATUS OF THINK TANK AND COMMUNICATION PANEL (Panel 14)

3.1 The member secretary informed that this Panel was constituted to rejuvenate and co-opt more members from Industry in Standardization work. The title and scope of the panel is given below:

LITD 14/Pane 14 : Think-Tank and Communication Panel

Scope : To carry out the following tasks:
a) To identify Indian IT Industry needs
b) To strengthen India's participation in JTC 1/SC 7 and SC 40
c) Determination of Positions/Submissions of POV on Key Matters along with required stakeholders
d) Avenues for creation of Indian Standards which can be potentially taken to ISO Forum
e) Broad-basing Participation and inclusion of Key Standardization Bodies in LITD Committees including IEEE, PMI, INCOSE on an on-going basis
f) Identification of Key Experts Participation in AGs, AHGs and WGs of JTC 1/SC 7
g) Evaluate Mechanisms adopted by other NBs

Ms Nayana Pandit, Panel Convener briefed the committee about the work done by this panel. She informed that this panel organized an orientation session for new members in LITD 14 and also conducted a workshop in Agile manner to identify new proposals from India in JTC 1/SC 7.

Sh Hrihikesh Karekar, Capgemini updated the committee about the workshop organized by Panel 13 and also highlighted the new areas identified as a result of this workshop. As a result of this workshop, following new work items were identified by panel member which are approved as adhoc from India in JTC 1/SC 7.
a) Creation for an adhoc on Green Software (Convener – Anupam Agrawal)
b) Creation of an adhoc on AI based Software development (Convener – Sridhar

Sh Anupam Agrawal and Dr Sridhar briefed the committee about the work done by AHG 9 and AHG 10 respectively. The committee discussed these proposals and approved the same to be put up as an agenda item in JTC 1/SC 7. The committee requested members to identify experts for these adhocs by SC 7.

ITEM 4 ACTIVITIES OF PANELS OF LITD 14 VIS-À-VIS PLENARY MEETINGS OF SC 7 and SC 40

4.1 The member secretary informed about the following major issues which will be discussed during the upcoming SC 7 Plenary Meetings. Further, Member Secretary provided details on the SC 7 Plenary agenda as given below:
a) NP from India in AI – Verification and Validation in AI systems(in JWG2)
b) Adhoc on AI Based Software Development
c) Adhoc on Digital Engineering

4.2 Following LITD 14 Panel Conveners presented the work in progress in their respective panels.

Sl No.	New Panel No.	Title	Convener
1	LITD14/Panel 1	System software documentation	Ms. Usha Mohan
2	LITD14/ Panel 2	Tools and Environment	Dr Sridhar Chimalakonda
3	LITD14/ Panel 5	IT Asset Management	Mr. Ramesh Jain
4	LITD14/ Panel 7	IT Governance	Sh Sanjiv Agarwala
5	LITD14/ Panel 8	IT Service Management	Mr Kulpreet Nanda
6	LITD14/ Panel 10	Agile	Ms. Gayathri Ekambaram
7	LITD14/ Panel 12	DevOps	Ms Sharmila Mookherjee

In addition, following experts have been nominated to review the following work

a) JTC 1/SC 7/WG 10 Process Assessment – Mr Anirban Bhattacharya,TCS
b) JTC 1/SC 7/WG 26 Software Testing – Ms Mary Parveena, TCS

5.2 JTC 1/SC 40 IT SERVICE MANAGEMENT AND IT GOVERNANCE

The member secretary informed about the following important issues which were discussed during SC 40 Plenary and WG Meetings :
   a) Revision of ISO/IEC 30105 series IT enabled Services - BPO
   a) ISO/IEC PWI TS 20000-15 – Information Technology – Service Management – Part 15 -- Guidance on the application of Agile and DevOps principles in a service management system
   b) ISO/IEC WD TS 38508 Information Technology — Governance of IT — Governance Implications of the Use of Shared Digital Service Platform among Ecosystem Organizations
   c) Information technology — IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes — Part 9: Guidelines on maturity assessment to support digital transformation
   d) NWIP on Service Integration and Management

ITEM 6 PRESENT POSITION OF WORK OF LITD 14

6.1 The committee noted the present position of work of LITD 14 as given in **Annex 3** of the agenda. The committee discussed the status of various Indian standards as given in **Item 6.2** of the agenda and decided as follows:

Sl No.	IS Number	Title	Latest position of corresponding Int. Standards	Decision of the committee
1	IS 16124 : 2020	Systems and Software Engineering — Software Life Cycle Processes (First Revision)	ISO/IEC/IEEE 12207 : 2017	Decided to reaffirm this standard

2	IS 13706 : 2020	Information Technology — Open Systems Interconnection — Connection-mode Protocol for the Application Service Object Association Control Service Element (First Revision)	ISO/IEC 15954 : 1999	Decided to reaffirm this standard
3	IS 14653 : 2014	Information technology - Guideline for the evaluation and selection of case tools (First Revision)	ISO/IEC 14102 : 2008	Decided to reaffirm this standard
4	IS/ISO/IEC/IEEE 90003 : 2018	Software Engineering — Guidelines for the Application of ISO 9001 : 2015 to Computer Software (Second Revision)	ISO/IEC/IEEE 90003 : 2018	Decided to reaffirm this standard
5	IS 13615 : 2020	Information Technology — Open Systems Interconnection — Service Definition for the Application Service Object Association Control Service Element (First Revision)	ISO/IEC 15953 : 1999	Decided to reaffirm this standard
6	IS 16457 : 2020	Systems and Software Engineering — System Life Cycle Processes	ISO/IEC/IEEE 15288 : 2023	Decided to reaffirm and revise this standard
7	IS 16456 : 2016	Software engineering - Software life cycle processes - Maintenance	ISO/IEC 14764 : 2022	Decided to reaffirm and revise this standard
8	IS 16419 (Part 1) : 2020	Information Technology — IT Asset Management Part 1 IT Asset Management Systems — Requirements	ISO/IEC 19770-1 : 2017	Decided to reaffirm this standard
9	IS/ISO/IEC 30130 : 2016	Software Engineering — Capabilities of Software Testing Tools	ISO/IEC 30130 : 2016	Decided to reaffirm this standard

ITEM 6 COMPOSITION OF LITD 14

6.1 The committee noted the composition as given in the agenda. The committee requested members for suggesting nominations for panels where we are lacking participation particularly in WG 24, 26 and WG 10.

ITEM 7 INTERNATIONAL WORK

7.1 The committee noted the information as given in **Item 7** of the agenda. The committee requested members to identify the important ISO/IEC standards which may be taken up for adoption as Indian standard.

8.2 The committee decided to nominate following experts in ISO GD for the corresponding WGs:

Sl No.	ISO WGs	Expert to be nominated
1	SC 7/AHG 9 AI assisted Software Development	Preeti Kate, TCS Deepesh Shah, TCS Devi Dharmarajan, TCS Arun R, TCS
2	SC 7/AHG 10 Green Software	Nayana Pandit, TCS
3	SC 7/WG 30 System Resilience	Preeti Kate, TCS Deepesh Shah, TCS Devi Dharmarajan, TCS Arun R, TCS
4	JTC 1/SC 40 IT Service Management and IT Governance	Dr Sundeep Oberoi, Individual Capacity

7.2 Next plenary meetings of JTC 1/SC 7 and SC 40

The member secretary informed the members about the schedule of plenary meetings of SC 7 and SC 40. The committee approved the following Indian Delegation from BIS for these meetings:

1) JTC 1/SC 7 'Software and System Engineering' Interim meetings

   a) Dr Sundeep Oberoi, Individual Capacity - SC 7 Chair
   b) Sh Anupam Agrawal, TCS - SC 7/AG 3 Convener
   c) Ms Nayana Pandit, TCS - SC 7 Plenary, SC 7/WG 7 - Head of the Delegation
   d) Ms Reena Garg, BIS - SC 7 Committee Manager
   e) Sh Hrishikesh Karekar, Capgemini - SC 7/WG 7 and WG 10
   f) Dr Anand Kumar, TCS - SC 7/WG 7., 29 and 42
   g) Sh Ashish Tiwari, BIS - SC 7 Committee Manager Support
   h) Ms Gayathri, TCS – SC 7/WG 29

2) JTC 1/SC 40 'IT service management and IT Governance'

   a) Sh Sanjiv Agarwala, Oxygen Consulting – HOD
   b) Dr Gargi Keeni, Individual Capacity
   c) Sh Kulpreet Nanda, Capgemini (Virtually) – SC 40/WG 2
   d) Ms Devi Nair, TCS (Virtually) – SC 40/WG 2

Further, BIS will also circulate the details about these meetings to all the members. Interested members may inform the same to BIS at the earliest. Further, the committee decided to nominate Ms Nayana Pandit, TCS as the Head of the Delegation in upcoming JTC 1/SC 7 Plenary meetings from India. The committee also decided to nominate Sh Sanjiv Agarwala,

Oxygen Consulting as the Head of the Delegation in upcoming JTC 1/SC 40 Plenary meetings from India.

ITEM 8 INFORMATION ON E-SALE OF STANDARDS BY BIS

8.1 The committee noted the information as given in the agenda.

ITEM 9 R&D PROJECTS FROM BIS

9.1 Following R&D projects were discussed during the last LITD 14 meeting:
a) Data Management Practices at Panchayat Level in State of West Bengal

The committee approved the modified R&D proposal presented during the meeting for final screening to the select committee in BIS.

ITEM 10 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

The committee noted the information as given in the agenda.

ITEM 11 MANAKONLINE

The committee noted the information as given in the agenda.

ITEM 12 PROCESS REFORMS IN STANDARDIZATION ACTIVITY OF BIS

The Member Secretary presented the new Process Reforms in Standardization Activity of BIS to the committee as mentioned below.

- ➢ Rolling Action plan for the year 2023-24

- ➢ Annual calendar of LITD 14 meetings

- ➢ Research projects to be taken up for inclusion of empirical data and insights

- ➢ Closer examination of the new work item proposals received from ISO/IEC

- ➢ Measures to ensure effective participation by the Indian experts at ISO/IEC levels

- ➢ National and International events to be participated

- ➢ Scientific journals and periodicals to be subscribed

- ➢ Creation of pool of experts

ITEM 13 DATE AND PLACE FOR THE NEXT MEETING

13.1 The members suggested to have the next meeting in the month of Apr 2024. It was decided to fix the exact date for the next meeting in consultation with the Chairman.

ITEM 14 ANY OTHER BUSINESS

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