

# MEDICAL EQUIPMENT AND HOSPITAL PLANNING DEPARTMENT

## BUREAU OF INDIAN STANDARDS

### MINUTES

Meeting	Day & Date	Time
25 <sup>th</sup> meeting of Health Informatics Sectional Committee, MHD 17	08 November 2024, Friday	10:30 AM

**Chairperson:** Dr. Ashok Kumar (In personal capacity) Ex. Addl. Director General (HAG), Central Health Services, Ministry of Health & Family Welfare, Govt. of India

**Member Secretary:** Ms. Uroosa Warsi, Scientist 'C'/ Deputy Director, Medical Equipment and Hospital Planning Department, Bureau of Indian Standards

---

The list of attendees is given at [ANNEXURE A](#).

#### ITEM 0 GENERAL

##### 0.1 Welcome Address by Member Secretary

Ms. Uroosa Warsi, Member Secretary welcomed the members to the 25<sup>th</sup> meeting of Health Informatics Sectional Committee. She appreciated the members present for sparing their valuable time to participate in this meeting. The meeting commenced with the introduction of the members.

##### 0.2 Opening Remarks by The Chairperson

Dr. Ashok Kumar, M. D, the Chairperson at the outset congratulated all the members of MHD17, it's past & present member secretaries, as well as heads of MH Division to have very successfully & remarkably facilitating twenty-five meetings of MHD17 with appreciable outcomes & achievements. He expressed his gratefulness to MHD17 and BIS for allowing him to effectively serve its chairperson continuously from the year 2010.

On behalf of MHD17, Dr. Ashok Kumar thanked Mr. Unnikrishnan, former Head MHD, who has since been transferred, and welcomed Mr. Chinmay who has assumed additional charge as Head of MHD.

Concluding his remarks, the Chairperson invited the member secretary to proceed with the agenda and welcomed any additional topics or issues members wished to discuss.

## **ITEM 1 CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING**

**1.1** The Committee formally confirmed the minutes of the last meeting of Health Informatics Sectional Committee, MHD 17 held on 19 July 2024.

## **ITEM 2 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE**

**2.1** The Committee noted the scope of the Committee.

The Member Secretary informed the Committee that the Committee has obtained P membership in the IEC SyC BDC ‘Bio-digital Convergence’, thereby expanding its engagement in IEC activities. She encouraged members to participate or nominate individuals who may be interested in contributing to IEC initiatives.

**2.2** The Committee noted the contents of Item 2.2 of the agenda.

**2.3** a) The Committee decide to co-opt the following experts in the respective working groups:

<b>Working Group</b>	<b>Expert(s)</b>
Telehealth and Virtual Care Working Group, MHD 17: WG02	• Dr. Shailendra
Medical Icons Working Group, MHD 17: WG04	• Dr. Suresh Munuswamy • Dr. Smriti

b) The Committee also recommended co-opting Dr. Smriti into Disability Informatics Working Group, MHD 17: WG03.

**2.4** The Committee noted the contents of Item 2.4 of the agenda.

**2.5** The Committee noted the contents of Item 2.5 of the agenda.

## **ITEM 3 DRAFT STANDARDS / AMENDMENTS UNDER PRINT**

**3.1** The Committee noted the contents of Item 3.1 of the agenda.

## **ITEM 4 DRAFT STANDARDS / AMENDMENTS FOR FINALIZATION**

**4.1** The Committee noted the contents of Item 4.1 of the agenda.

## **ITEM 5 DRAFT STANDARDS/AMENDMENTS FOR APPROVAL FOR WIDE CIRCULATION**

**5.1** The Committee decided to adopt the following ISO standard to revise the existing older version. The standards will be circulated within the committee for a period of 15 days. If no comments are received, the draft standards will be wide-circulated for a period of one month.

<b>Sl. No.</b>	<b>ISO No.</b>	<b>ISO Title</b>
1)	ISO/TS 20428:2024	Genomics Informatics — Data elements and their metadata for describing structured clinical genomic sequence information in electronic health records
2)	ISO/IEEE 11073-10421:2024	Health informatics — Device interoperability — Part 10421: Personal health device communication — Device specialization — Peak expiratory flow monitor (peak flow)
3)	ISO/IEEE 11073-10471:2024	Health informatics — Device interoperability — Part 10471: Personal health device communication — Device specialization — Independent living activity hub
4)	ISO/IEEE 11073-10472:2024	Health informatics — Device interoperability — Part 10472: Personal health device communication — Device specialization — Medication monitor
5)	ISO/IEEE 11073-10425:2024	Health informatics — Device interoperability — Part 10425: Personal health device communication — Device specialization — Continuous Glucose Monitor (CGM)

**5.2** The Committee noted the contents of Item 5.2 of the agenda.

## **ITEM 6 DRAFT UNDER PREPARATION**

**6.1** The Committee decided to circulate the P-draft on ‘Health Informatics Part 1: Screening,’ prepared by the Disability Informatics Working Group, for a period of 30 days.

**6.2** The Committee noted the contents of Item 6.2 of the agenda.

## **ITEM 7 COMMENTS ON PUBLISHED STANDARDS**

**7.1** The Committee noted the contents of Item 7.1 of the agenda.

## **ITEM 8 NEW SUBJECTS**

**8.1** The Committee noted the contents of Item 8.1 of the agenda.

## **ITEM 9 TECHNICAL ISSUES**

**9.1** The Committee noted the contents of Item 9.1 of the agenda.

## **ITEM 10 REVIEW OF WORKING GROUPS UNDER MHD 17**

### **10.1 Telehealth and Virtual Care Working Group, MHD 17: WG02**

Mr. Gaur Sunder, CDAC, Pune (Convener, MHD 17: WG02) provided an update on the ongoing project under the Telehealth and Virtual Care Working Group. He reported that the document 'Telehealth Technical Standard for India', currently being developed by the working group with contributions from field experts. This document outlines essential concepts, terminology, and nomenclature related to telehealth, telehealth service provider (TSP), telehealth service consumer (TSC), TSP and TSC interaction and specifies the data model to be adopted. It also includes telehealth services at TSP, requirements at TSP, relevant standards, and specification for APIs, along with methods for data transmission. Mr. Sunder emphasized that further discussions within the working group are necessary before the document can be finalized.

### **10.2 Disability Informatics Working Group, MHD 17: WG03**

Prof. Rangasayee R (Convener, MHD 17: WG03) has sent regrets for not attending the meeting due to unforeseen situation in the close circle. Ms. Uroosa Warsi, the Member Secretary, provided an update on the projects under the Disability Informatics Working Group. She informed the committee that the draft is being prepared in three parts. Part 1 'Screening' is nearly complete, and the Member Secretary requested committee approval to circulate it as a P-draft. The draft follows the structure of the Indian standard and includes the scope, objectives, normative references, terms and definitions, demographic details and components of the data elements, with the possibility of adding more details after the P-draft circulation.

The Member Secretary emphasized and requested the committee members to provide their comments and suggestions on the P Draft. Following this part, work will proceed to the next parts of the draft.

### **10.3 Medical Icons Working Group, MHD 17: WG04**

Dr S.B Gogia thanked the MHD 17 members for giving the responsibility of taking charge of the AYUSH WG, which was also the mirror committee of WG 10 of ISO TC 215. However, he pointed out that there are many changes in the offing of which Shashi Gogia became aware of only recently while attending the joint meeting of ISO 215 WG10 and 11 on 5th November.

It was informed during the above meeting that BIS had applied to ISO for formation of a separate committee for Ayurveda and Yoga. It was felt that maybe the scope of TC 249 be expanded to all Traditional medicines, with separate Sub-groups pertaining to each particular medical system. This proposal is currently under ballot and results expected in January. It was predicted but not confirmed that Separate WGs under 249 will handle Informatics within traditional medicines and

also drugs and lifestyle issues. TC215 WG will also undergo changes following this ruling.

Dr Gogia suggested that due to these changes, the structure of our own AYUSH WG will need overhaul. He also suggested that since BIS had made the initial request which led to possible overhauling of TC 249, we should find out details as to who and when made the request so that we are more prepared for the future.

Dr Gogia as Project leader for the Icons Committee informed about the progress of the Icons work with a short history of project development.

The project was conceived initially as a process of standardization of images and graphics which may be used for sharing health related information. It is a multi-pronged and longer effort with standardization of the thousands of health related graphics which are existing but are standalone and non-collaborative efforts. Early attempts to run this committee faced hurdles of existing software companies who did not want to redesign their systems. Also as per ISO rules, any graphic related work needs collaboration with ISO TC 145.

After multiple presentations to TC 215 WG3, discussions in an International Experts group consisting of 215 as well as 145 stalwarts including 3 from India (later 5) as well as release of TR6231 (a BIS lead document- now at stage 60/90) -which was a report on the need, scope and possibility of such standardization efforts, a PWI #24939 was accepted at Arlington in November 2023 as the next step which was in 2 parts with more later. Part 1 was related to Guidelines for design of graphical Usage in Healthcare (in partnership with TC 145). Part 2 was related to processes for Mapping of any selected Graphic to an existing Health Terminology.

A preliminary ballot for acceptance of PWI 24939 part 1 only has been accepted in principle with some negative comments based on aspersions by software and device companies about inability to change their systems. However, we have not had 5 countries agreeing to nominate experts. So Reballot is required and this time some modifications have been done to comments so as to remove the negative comments.

A partnership with TC 145 has been assured but they want that this extensive project needs a new secretariat and Joint Working Group lead by TC215.

Dr. Gogia has had encouraging discussions with the deputy directors of MHD as well as PGD (the India mirror committee of TC145) where he has become a member thanks to the referral provided by MHD17, about the long term running and related costs of BIS leading this effort. He also suggested that the formation of the joint management group (JWG) secretariat as well as management committee be considered in good light based on the extensive work done already by the ICONS committee which could be one of the leadership efforts of BIS within ISO.

The Committee recommended that the long term work will require long-term partnership between the TC 145 and TC 215 committees, and should be run by a management agency from the starting organization of which should be led by BIS.

Dr Gogia pointed, that this is possible only after the new ballot of part one and two is accepted, and with enough international experts. India should go all out to get the passage of the ballot, including nominating people from India.

#### **10.4 Cybersecurity of Network-connected Medical Devices Working Group, MHD 17: WG05**

Mr. Rajendra Prasad (Convener, MHD 17: WG05) provided an update for the Cybersecurity of Network-connected Medical Devices Working Group. He noted that, as previously discussed, the work remains in progress, with updates to be shared as they arise. Currently, there are no new developments to report.

He highlighted that the team is closely monitoring relevant ISO and IEC standards, with some standards already proposed for adoption. As new standards are published, the team will recommend them for adoption to align with international requirements.

He further highlighted the importance of the horizontal standards, currently under development by the LITD department, in facilitating the preparation of medical standards. Close observation is being maintained, as several members are actively involved in the LITD group. Once the horizontal standards are finalized, the development of medical standards will be significantly streamlined.

#### **10.5 AYUSH Informatics Working Group, MHD 17: WG06**

Ms. Uroosa Warsi, Member Secretary, updated the committee on the progress of three projects under the AYUSH Informatics Working Group.

The first project, AWI/TS 2604 'Health Informatics — Categorical structures for representation of Ayurvedic medicinal water — Decocting process in Ayurveda,' reached its milestone with its publication in the last week of October 2024. The second project, ISO/PWI TS 20731 'Health Informatics — Information Model of Prakriti in Ayurveda Informatics' has progressed with the NP ballot being submitted and approved, allowing it to move to the Committee Draft (CD) stage in March 2025 per ISO's timeline. The third project, led by Ms. Manisha, on the 'Representation of Categorical Structure of Ayurveda Terminology' had its Form 4 and working draft submitted prior to the meeting. However, these documents were not recorded in the ISO resolution during the 4 November 2024 meeting of ISO/TC 215 WG 10.

The Chairperson expressed gratitude to Dr. S. B. Bhattacharya for his dedicated leadership of the AYUSH Informatics Working Group. Acknowledging Dr. Bhattacharya's impactful contributions, the Chairperson noted that he has decided to step down from this role. He commended the working group for making a significant impact at the international level, extending compliments to all members for their efforts.

Based on the proposal by Dr S B Bhattacharyya and seconded by the members of MHD17, the committee approved to involve Dr S B Gogia, with his concurrence, as new Convenor of Ayush Informatics Working Group under MHD17, with immediate effect. Consequently, Dr S B Gogia will now also be active member of WG10 on Traditional Medicines under ISO - TC 215.

### **ITEM 11 INTERNATIONAL ACTIVITIES**

**11.1** The Committee decided to seek P-membership in ISO/TC 37 'Language and terminology'.

**11.2** Participation of Working Group Experts in ISO Technical Committees

- a) The Committee decided to nominate the following expert on the Working Group of ISO/TC 215 as given below:

<b>Sl. No.</b>	<b>Technical and Sub-Committees of ISO</b>	<b>Expert Member</b>	<b>Working Groups</b>
1)	ISO/TC 215 (Health Informatics)	Dr. S. B. Gogia	ISO/TC 215/WG 10 Traditional Medicine

- b) The Committee decided to remove the following expert from the Working Group of ISO/TC 215 as given below as requested by Dr. S B Bhattacharaya.

<b>S. No.</b>	<b>Expert</b>	<b>Working Group</b>
1)	Dr. S. B. Bhattacharyya	ISO/TC 215/WG 10 Traditional Medicine

- 11.3** The Committee noted the contents of Item 11.3 of the agenda.

## **ITEM 12 PROGRAMME OF WORK**

- 12.1** The Committee noted the contents of Item 12.1 of the agenda.

- 12.2** The Committee noted the contents of Item 12.2 of the agenda.

## **ITEM 13 REVIEW OF INDIAN STANDARDS**

- 13.1** The Committee noted the contents of Item 13.1 of the agenda.

## **ITEM 14 DATE AND PLACE OF NEXT MEETING**

- 14.1** As per the approved Annual Meeting Calendar the Committee decided to have the next meeting on 10 January 2025.

<b>Quarter</b>	<b>Q1 Apr-June 2024</b>	<b>Q2 July-Sept 2024</b>	<b>Q3 Oct-Dec 2024</b>	<b>Q4 Jan-Mar 2025</b>
<b>Date</b>	02 April 2024, Tuesday	19 July 2024, Friday	08 Nov 2024, Friday	10 Jan 2025, Friday

The committee decided to have its next meeting on 10 January 2025 as per annual meeting calendar.

## **ITEM 15 ANY OTHER BUSINESS**

There being no other business, the meeting ended with hearty thanks to the chair and all the members present.



[ANNEXURE A](#)

**LIST OF ATTENDEES**

<b>S. No.</b>	<b>Member Name</b>	<b>Organization</b>
1)	<b>Dr. Ashok Kumar</b> ( <i>Chairperson</i> ) ( <i>Physically</i> )	In Personal Capacity
2)	<b>Shri A V A Rajendra Prasad</b> ( <i>Vice-Chairperson</i> )	Philips India Limited, Gurugram
3)	Dr. S. B. Bhattacharyya	In Personal Capacity
4)	Dr. S.B. Gogia	In Personal Capacity
5)	Dr. Sidhartha Satpathy	All India Institute of Medical Sciences, New Delhi
6)	Shri Dev Chopra	Boston Scientific India Private Limited, Gurugram
7)	Dr. Rakesh Narayanan V	Central Council for Research in Ayurvedic Sciences, New Delhi
8)	Shri Gaur Sunder	Centre for Development of Advanced Computing, Pune
9)	Dr. Manpreet Kaur	Digital Health Associates Private Limited, New Delhi
10)	Ms. Akshita Tyagi ( <i>Representative</i> )	Digital Health Associates Private Limited, New Delhi
11)	Dr Rajiv K. Chugh ( <i>Representative</i> )	Indian Dental Association, Mumbai
12)	Prof Jayanta Mukhopadhyay	Indian Institute of Technology Kharagpur, Kharagpur
13)	Dr. Sandhya Gupta	Indian Nursing Council, New Delhi
14)	Mr. Arvind Sivaramakrishnan	Karkinos Healthcare Private Limited, Bengaluru
15)	Dr. Nidhi Bhatnagar	Maulana Azad Medical College, New Delhi
16)	Mr. Pankaj Johri	National Accreditation Board for Testing and Calibration Laboratories, Gurugram
17)	Dr. Ranjan Choudhury	National Health Systems Resource Centre, New Delhi
18)	Ms. Manisha Sharma	National Health Systems Resource Centre, New Delhi
19)	Dr. Sudip Paul	North-Eastern Hill University, Shillong
20)	Mr. Dilip Kumar Jha	Public Health Foundation of India, New Delhi

21)	Dr. Sheila John	Sankara Nethralaya, Chennai
22)	Mr. Chinmoy Lye	Society for Administration of Telemedicine and Health Care Informatics, New Delhi
23)	Shri Jai Ganesh Udayasankaran	Sri Sathya Sai Central Trust, Anantapur
24)	Shri Baljit Singh Bedi	Telemedicine Society of India, Lucknow
25)	Dr. Rintu Kutum	Trivedi School of Biosciences, Ashoka University, Sonipat
26)	Dr. Mayank Garg	Trivedi School of Biosciences, Ashoka University, Sonipat

**BIS Directorate General:**

1)	Ms. Uroosa Warsi ( <i>Member Secretary</i> )	Scientist 'C'/Deputy Director, MHD, Bureau of Indian Standards
----	---	--