MEDICAL EQUIPMENT AND HOSPITAL PLANNING DEPARTMENT

BUREAU OF INDIAN STANDARDS

MINUTES

Meeting	Day & Date	Time
24th meeting of Health Informatics Sectional Committee, MHD 17	19th July 2024, Friday	03:30 PM

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

Ms. Uroosa Warsi, Member Secretary welcomed the members to 24th meeting of Health Informatics Sectional Committee. She appreciated the members present for sparing their valuable time to participate in this meeting.

0.1   Welcome Address by Head (MHD)

Shri A. R. Unnikrishnan, Scientist-G & Head (MHD), welcomed all attendees and extended a warm greeting to those participating online and offline.

He provided an overview of the department's activities for Quarter 1, emphasizing on the efficiency and attendance for MHD 17. He stressed upon the attendance by providing the guidelines issued by DG BIS that the attendance of members in Sectional Committee meetings is essential for its efficient and effective functioning. Accordingly, any member remaining absent from two consecutive meetings and/or fifty percent or more meetings of the Sectional Committee in a year will become automatically disqualified to continue as the member of the Sectional Committee.

He also provided an insight to commenting on P Drafts where members of the concerned technical committee can support or reject the project or offer comments for improvement. Therefore, abstaining from commenting on the P-Draft by a member has serious implications on the quality of the draft. He informed about the BIS directions regarding commenting on P-Drafts

wherein any member not commenting on two consecutive and/or one-fourth of the P-Drafts circulated by the Technical Committee in a year will automatically be disqualified to continue as a member.

Addressing the impact of commenting on the ballots at a very early stage, he informed about the need for identifying subject wise experts from the Sectional Committees to assign them the responsibility of commenting on the Work items and ballots of ISO and IEC and also proposing NWIPs. These experts will be the Designated Experts for the Work items (including NWIPs) and ballots and the comments of the designated experts on the work items and ballots will be made available to the concerned sectional committee and working group.

Despite the daunting task, he expressed confidence in the collective efforts of the committee and the supportive members across various fronts, foreseeing greater achievements in the coming months. He concluded by extending best wishes to all attendees and handed over proceedings to the member secretary.

0.2   Opening Remarks by The Chairperson

Dr Ashok Kumar, M.D, the Chairperson expressed gratitude to Head (MHD) Shri A. R. Unnikrishnan, Ms. Uroosa Warsi and all distinguished members of MHD 17, whether attending online or offline. He acknowledged that this is the 24th meeting of MHD 17, highlighting the committee's consistent hard work and contributions.
He emphasized the importance of efficient participation and responses from committee members, noting that BIS has certain criteria for evaluating the performance of technical committees. The Chairperson addressed the issue of non-responsive members and organizations, suggesting that these members and organizations should be reconsidered or replaced to maintain high participation levels.

The Chairperson stressed the need for clear assignment of ballots to relevant mirror groups, ensuring prompt and accurate responses. The Chairperson also addressed the importance of meeting attendance and urged all members to participate fully in the meetings.

Concluding his remarks, the Chairperson invited the member secretary to proceed with the agenda.

ITEM 1   CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING

1.1   The Committee formally confirmed the minutes of the last meeting of the Health Informatics Sectional Committee, MHD 17 held on 02nd April 2024.

ITEM 2   SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE

2.1   The Committee noted the scope of the Committee.

The Committee also noted that MHD 17 has been assigned the role of liaison representative to the IEC/ISO Joint Systems Committee on Bio-digital Convergence

(JSyC BDC). MHD 17 is the closest corresponding committee to the IEC Committee and will be responsible for coordinating with the work of the IEC/ISO JSyC BDC.

2.2 The Committee noted that the following organizations are currently represented by only one member (i.e., principal member) in MHD 17

a) CSIR - Institute of Genomics and Integrative Biology, New Delhi

b) Philips India Limited, Bengaluru

c) Sankara Nethralaya, Chennai

d) Sri Sathya Sai Central Trust, Anantapur

The Committee decided to send requests to these organizations for nomination of an alternate member.

2.3 **a) Health Informatics – AYUSH Working Group [MHD 17:1]**

- The Committee decided to write to the "Union" Ministry of AYUSH for nominating a principal & alternate member of MHD17 instead of Dr D C Katoch, Ex-Advisor Ayurveda, as he has superannuated from GOI services and inform Dr. D C Katoch to request MHD 17 to include him as a member of MHD17 as well as its AYUSH Working Group in his personal capacity.

- The committee decided to accept the request of Dr S B Gogia and Dr Rakesh Narayanan to be included as members of the AYUSH Working Group of MHD17.

b) Telehealth and Virtual Care Working Group [MHD 17:2]

- The committee decided to accept the request of Dr Rangasayee to be included as a member of the Tele-health & Virtual Care Working Group of MHD17.

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 decided to finalize the following draft Indian Standards for publication:

Sl. No	Document No.	Title

1)	MHD/17/25676 *(Identical To: ISO 21549-7:2024)*		Health informatics - Patient Healthcard Data Part 7 Medication Data (First Revision)
2)	MHD/17/25677 *(Identical To: ISO 22077-1:2022)*		Health Informatics - Medical Waveform Format Part 1 Encoding Rules
3)	MHD/17/25679 *(Identical ISO/IEEE 11073-10101:2020)*	*To:*	Health Informatics - Device Interoperability Part 10101 Point-of-Care Medical Device Communication - Nomenclature (First Revision)
4)	MHD/17/25680 *(Identical To: ISO/TS 14265:2024)*		Health Informatics - Classification of Purposes for Processing Personal Health Information (First Revision)
5)	MHD/17/25681 *(Identical To: ISO/TS 17251:2023)*		Health informatics - Business Requirements for a Syntax to Exchange Structured Dose Information for Medicinal Products (First Revision)

ITEM 5   DRAFT STANDARDS/AMENDMENTS FOR APPROVAL FOR WIDE CIRCULATION

5.1   The Committee noted the contents of Item 5.1 of the agenda.

ITEM 6   DRAFT UNDER PREPARATION

6.1   The Committee noted the contents of Item 6.1 of the agenda.

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 Health Informatics - AYUSH Working Group, MHD 17:1

Dr. S. B. Bhattacharya (Convener, MHD 17:1) informed the committee of the recent developments discussed during the working group meeting. The project ISO AWI/TS 6204 'Health Informatics- Categorial Structures for the representation of Ayurvedic medicinal water - decocting process in Ayurveda' is currently in the DTS stage.

The project ISO/PWI TS 20731 'Health Informatics — Information Model of Prakriti in Ayurveda Informatics' is in the ballot stage. Dr. Bhattacharya also mentioned the nomination of Dr. Bhavna Parasher as an expert, emphasizing her expertise in Prakriti.
The project 'Representation of Categorial Structures of Ayurveda Terminology' is in progress with the form 4 being prepared.

Additionally, there are ongoing discussions regarding additional medicinal products, which are currently on hold due to conflicts. These issues will be addressed during the planned plenary virtual meeting in November, or potentially earlier.
He also requested the Committee to consider relinquishing his convenership due to various other occupations. The Committee also deliberated to handhold the newly inducted member for occupying the position of convener before relinquishing the charge.

10.2 Telehealth and Virtual Care Working Group, MHD 17:2

Mr. Gaur Sunder, CDAC, Pune (Convener, MHD 17:2) has sent regrets for not attending the meeting due to some other engagements. It was informed by him that the working group has resolved the comments received. The first draft is under preparation and will be discussed in the WG in the coming month.

10.3 Disability Informatics Working Group, MHD 17:3

Dr. Rangasayee R (Convener, MHD 17:3) expressed gratitude for the opportunity to work with the Disability Informatics Working Group. He reported that the group, formed in early 2022, has conducted over 20 meetings and acknowledged the contributions of each member.
Significant contributors to the draft standards being prepared include Ms. Manju Kuchhal (Dhwani Foundation, Bengaluru), Mr. V. S. Basavaraju (Former State Commissioner for person with disabilities, Government of Karnataka), and Ms. Deepa Palaniappan (Azim Premji University, Bengaluru), along with internal members Mr. Jai Ganesh Udayasankaran, Ms. Manisha Mantri and Ms. Uroosa Warsi.

Dr. Rangasayee outlined that the draft standard has been divided into three parts: Part 1 'Screening', Part 2 'Identification/Sharing', and Part 3 'Assessment'. He mentioned that in the next two meetings, planned within the next three months, the draft standards would be prepared for circulation. The committee requested to add references to as many ISO standards already available on different aspects of Disability Informatics.

10.4   Medical Icons Working Group, MHD 17:4

Dr. S. B. Gogia (Convener, MHD 17:4) provided an update on the working group's activities. He reported that the previous standard, ISO/TR 6231, has been published as an international standard and is expected to be adopted as an Indian standard soon.

The working group has initiated the guidelines process for creating and submitting icons online globally, under PWI 24939. This project is divided into three parts. The ballot for Part 1, conducted from November to December, encountered challenges due to insufficient nominations of international experts. Although 13 out of 35 countries voted positively, the draft was rejected due to a failure to meet the required number of nominating countries.
Dr. Gogia emphasized the need to resubmit the draft for Part 1 and Part 2 together and requested the committee's assistance in nominating an Indian expert. He also urged reaching out to the international community to support this important ballot. The working group plans to address the comments received, work on Parts 1 and 2 concurrently, and propose the formation of a joint working group of TC 215 and TC 145 in ISO. He concluded by expressing gratitude to the committee for their attention and support.

10.5   Cybersecurity of Network-connected Medical Devices Working Group, MHD 17:5

Mr. Rajendra Prasad (Convener, MHD 17:5) provided an update that the group had previously decided to adopt ISO / IEC standards that are currently in various stages of formulation.
He explained that ISO/TC 215 Health Informatics has liaisons with ISO/IEC JTC 1 'Information technology' and ISO/IEC JTC 1/SC 27 'Information security, cybersecurity and privacy protection'. These ISO / JTC 1 serve as base standards for the cybersecurity standards part at MHD 17 Health Informatics. Currently various other standards are in different stages of CD, FDIS, etc. WG MHD 17:5 will continue to monitor the progress of these standards and share an update to MHD 17 TC committee for review. To start with -
The following standards are published and may be considered for review in next quarter meeting
1.   ISO 81001-5-1 - Health software and health IT systems safety, effectiveness and security; Part 5-1: Security – Activities in the product life cycle
2.   ISO 81001-1:2021 Health software and health IT systems safety, effectiveness and security; Part 1: Principles and concepts "

ITEM 11   INTERNATIONAL ACTIVITIES

11.1   The Committee noted the contents of Item 11.1 of the agenda.

11.2   The Committee noted the contents of Item 11.2 of the agenda.

11.3   a) The Committee decided to nominate the following experts on the Working Groups of ISO/TC 215 as given below:

Sl. No.	Technical and Sub-Committees of ISO	Expert Member	Working Groups
1)	ISO/TC 215 (Health Informatics)	Dr Sheila John	ISO/TC 215/TF 7 Telehealth and Virtual Care (TVC) Standards
2)	ISO/TC 215 (Health Informatics)	Dr S B Gogia	ISO/TC 215/TF 1 Task Force on Quantities and Units to be used in e-health

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 Gogia.

Sl. No.	Expert Member	Working Groups
1)	Dr S B Gogia	ISO/TC 215/WG 2 Systems and Device Interoperability

11.4   Harmonization of Indian Standards with International Standards

a) The Committee decided to adopt the following ISO standard. The draft standards will be wide-circulated for a period of one month.

Sl. No.	ISO No.	ISO Title
1)	ISO 4454:2022	Genomics informatics — Phenopackets: A format for phenotypic data exchange
2)	ISO 21393:2021	Genomics informatics — Omics Markup Language (OML)
3)	ISO 5477:2023	Health informatics — Interoperability of public health emergency preparedness and response information systems

b) The Committee deliberated and requested the Member Secretary to circulate the standards that should be adopted as Indian Standards. The members were requested to review the proposed standards and provide their comments and/or approval within a period of 7 days. The draft standards approved by the members after the consultation with the chair will then be wide circulated for a period of one month.

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 04th October 2024.

Quarter	Q1 Apr-June 2024	Q2 July-Sept 2024	Q3 Oct-Dec 2024	Q4 Jan-Mar 2025
Date	02nd April 2024, Tuesday	19th July 2024, Friday	04th Oct 2024, Friday	10th Jan 2025, Friday

ITEM 15   ANY OTHER BUSINESS

The Committee noted that co-option requests have been received from the following individuals:

a) **Kishore Narang, Narnix Technolabs Pvt. Ltd.**

b) **Chandra SR, In personal capacity**

The Committee requested the member secretary to circulate their CVs to all the members for a period of 15 days, allowing them to review and provide their inputs on the requests.

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

LIST OF ATTENDEES

S. No.	Member Name	Organization
1)	**Dr. Ashok Kumar** *(Chairperson)*	In Personal Capacity
2)	**Shri A V A Rajendra Prasad** *(Vice-Chairperson)*	Philips India Limited, Gurugram
3)	Dr. S. B. Bhattacharyya	In Personal Capacity
4)	Dr. S. B. Gogia	In Personal Capacity
5)	Dr. Rangasayee R	In Personal Capacity
6)	Dr. Vikas H.	All India Institute of Medical Sciences, New Delhi
7)	Shri Dev Chopra	Boston Scientific India Private Limited, Gurugram
8)	Dr. Rakesh Narayanan V	Central Council for Research in Ayurvedic Sciences, New Delhi
9)	Dr. Bhavana Parasher	CSIR - Institute of Genomics and Integrative Biology, New Delhi
10)	Dr. N. K. Singh	Digital Health Associates Private Limited, New Delhi
11)	Dr. Manpreet Kaur	Digital Health Associates Private Limited, New Delhi
12)	Akshita Tyagi	Digital Health Associates Private Limited, New Delhi
13)	Prof Saranjit Singh *(Representative)*	Indian Dental Association, Mumbai
14)	Prof Soumya Kanti Ghosh	Indian Institute of Technology Kharagpur, Kharagpur
15)	Dr Sandhya Gupta	Indian Nursing Council, New Delhi
16)	Dr Asha Sharma *(Physically)*	Indian Nursing Council, New Delhi
17)	Mr. Arvind Sivaramakrishnan	Karkinos Healthcare Private Limited, Bengaluru
18)	Dr. Atul Mohan Kochhar	National Accreditation Board for Hospitals and Healthcare Providers, New Delhi
19)	Dr. Punam Bajaj	National Accreditation Board for Hospitals and Healthcare Providers, New Delhi
20)	Dr. Sudip Paul	North-Eastern Hill University, Shillong
21)	Shri Shyamal Mandal	North-Eastern Hill University, Shillong
22)	Mr. Dilip Kumar Jha	Public Health Foundation of India, New Delhi
23)	Dr. Sheila John	Sankara Nethralaya, Chennai
24)	Mr. Chinmoy Lye	Society for Administration of Telemedicine and Health Care Informatics, New Delhi
25)	Shri Jai Ganesh Udayasankaran	Sri Sathya Sai Central Trust, Anantapur
26)	Shri Baljit Singh Bedi	Telemedicine Society of India, Lucknow

27)	Col. (Dr) Ashvini Goel (Retd.)	Telemedicine Society of India, Lucknow
28)	Dr. Rintu Kutum	Trivedi School of Biosciences, Ashoka University, Sonipat
29)	Dr. Mayank Garg	Trivedi School of Biosciences, Ashoka University, Sonipat

BIS Directorate General:

1)	Shri A. R. Unnikrishnan	Scientist 'G' & Head (MHD), Bureau of Indian Standards
2)	Ms. Uroosa Warsi *(Member Secretary)*	Scientist 'C'/Deputy Director, MHD, Bureau of Indian Standards
3)	Ms. Harshada Ganesh Kadam	Scientist 'B'/Assistant Director, MHD, Bureau of Indian Standards