BUREAU OF INDIAN STANDARDS

(MEDICAL EQUIPMENT AND HOSPITAL PLANNING DEPARTMENT)

MINUTES

Eleventh Meeting of
Electromedical, Diagnostic Imaging and Radiotherapy Equipment
Sectional Committee, MHD 15

Chairperson:
Dr. V. R. Singh (*In personal capacity)*
Former Director-Grade-Scientist,
National Physical Laboratory(NPL), New Delhi

Member Secretary:
Chandan Kumar
Scientist-C/Deputy Director,
Bureau of Indian Standards

Meeting Date and Time : 28 June 2023 (Wednesday), 11:00 am

ITEM 0 General

The list of participants is attached as Annex-1.

ITEM 0.1 Welcome Address by Head(MHD)

Sh. A. R. Unnikrishnan, Head (MHD) extended a warm welcome to the Chairperson and the members present in the Eleventh meeting of Electromedical, Diagnostic Imaging and Radiotherapy Equipment Sectional Committee, MHD 15. He appreciated the members for their active contributions in supporting the national standardization activity.

He solicited the cooperation of the members while discussing the agenda.

ITEM 0.2 Opening Remarks by the Chairperson

Dr. V. R. Singh, Chairperson, MHD 15 welcomed all the members present in the Eleventh meeting of Electromedical, Diagnostic Imaging and Radiotherapy Equipment Sectional Committee, MHD 15.

In his opening remarks, he mentioned that we are living in the age of Artificial Intelligence (AI) and Internet of Things (IoT) and medical devices have been truly transformed with the ever-increasing use of these technologies. He pointed out that with the growth of such technologies, issues related to data quality and storage are of prime concern. He also referred to the advancement in Point-of-care-testing (PoCT) devices and use of nanotechnology in medical devices in the context of modern healthcare delivery systems. He stressed on the need to develop standards for such medical devices and called upon members to focus on these priority areas.

He requested for active cooperation of the members to make the meeting successful.

ITEM 0.3 Presentation on Process Reforms in Standardization Activity of BIS

A presentation was made by the Member Secretary to apprise the members about several process reforms in the standardization activity of BIS. A brief summary covering the important points is attached as Annex-2.

ITEM 1 Formal Confirmation of Minutes of the Previous Meeting

1.1 The Committee approved the minutes of previous (Tenth) meeting circulated vide BIS DG letter No. MHD 15/A-2.10 without any change.

ITEM 2 Action Taken Report on the minutes of last meeting

2.1 The committee noted the information about the actions taken on the minutes of the last meeting as given at *Annex 1 to the Agenda*.

ITEM 2 Scope and Composition of the Sectional Committee

2.1 The Committee reviewed its scope and recommended to revise it as given below:

Scope : To prepare Standards for Medical Electrical equipment, software and systems concerning diagnostic, radiotherapy, nuclear medicine, radiation dosimetry, surgical, therapeutic and monitoring used for various specialties.

- **Liaisons :**

a) IEC TC 62 Medical equipment, software, and systems [P-Member]
b) IEC SC 62A Common aspects of medical equipment, software, and systems [P-Member]
c) IEC SC 62B Medical imaging equipment, software, and systems [P-Member]
d) IEC SC 62C Equipment for radiotherapy, nuclear medicine and radiation dosimetry [P-Member]
e) IEC SC 62D Particular medical equipment, software, and systems [P-Member]

2.2 The Committee reviewed its composition and the attendance of the members in the last three meetings. It was reiterated that if an organization does not participate in three meetings consecutively without giving any justification, it indicates lack of interest in the committee work and the committee will consider withdrawal of such organizations from its composition.

It was also stressed that as per BIS Guidelines, as far as possible, non-industry representation should not be less than two-third of the committee composition. The Committee observed that the industry representation has gone beyond the prescribed limit and suggested that the industry

representatives which are not/less relevant to the scope of the committee and are already represented on the other sectional committees directly relevant to their field may be considered for removal. It was decided to send a letter to the following members from the industry requesting them to share details about their range of products which come under the scope of MHD 15 and how they can support the national/international standardization work:

(a) Abbott India Limited, New Delhi
(b) Boston Scientific India Private Limited, Gurugram
(c) India Medtronic Private Limited, Gurugram
(d) Johnson & Johnson Private Limited, Mumbai
(e) Stryker India Private Limited, Gurugram

It was decided that decision regarding the withdrawal/retention of the above organizations would be taken based on the responses received in consultation with the Chairperson.

ITEM 3 Draft Indian Standards for Finalization

The Committee noted the documents under wide circulation and decided that in case no comments are received during the wide circulation stage before the last date of comments, these may be finalized in consultation with the Chairperson. However, if comments are received during the wide circulation stage, these may first be resolved in the next committee meeting before finalization. The list of the documents under wide circulation is given below:

1. MHD 15 (22648) (Modified/Technically Equivalent to IEC 60601-1:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance (Third Revision)

2. MHD 15(22651) (Modified/Technically Equivalent to IEC 60601-1-2:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 2 Electromagnetic disturbances Requirements and tests (Second Revision)

3. MHD 15(22652) (Modified/Technically Equivalent to IEC 60601-1-3:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 3 Radiation protection in diagnostic X-ray equipment (First Revision)

4. MHD 15(22653) (Modified/Technically Equivalent to IEC 60601-1-6:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 6 Usability (First Revision)

5. MHD 15(22654) (Modified/Technically Equivalent to IEC 60601-1-8:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 8 General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems (First Revision)

6. MHD 15(22655) (Modified/Technically Equivalent to IEC 60601-1-9:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 9 Requirements for environmentally conscious design

7. MHD 15(22656) (Modified/Technically Equivalent to IEC 60601-1-10:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 10 Requirements for the development of physiologic closed-loop controllers (First Revision)

8. MHD 15(22657) (Modified/Technically Equivalent to IEC 60601-1-11:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 11 Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment (First Revison)

9. MHD 15(22658) (Modified/Technically Equivalent to IEC 60601-1-12:2020) Medical electrical equipment: Part 1 General requirements for basic safety and essential performance, Section 12 Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment

10. MHD 15(22659) (Modified/Technically Equivalent to IEC 60336:2020) Medical electrical equipment X-ray tube assemblies for medical diagnosis Focal spot dimensions and related characteristics

11. MHD 15(22660) (Modified/Technically Equivalent to IEC 60522-1:2020) Medical electrical equipment Diagnostic X-rays: Part 1 Determination of quality equivalent filtration and permanent filtration

12. MHD 15(22661) (Modified/Technically Equivalent to IEC 60522-2:2020) Medical electrical equipment Diagnostic X-rays: Part 2 Guidance and rationale on quality equivalent filtration and permanent filtration

13. MHD 15(22662) (Modified/Technically Equivalent to IEC 61675-1:2022) Radionuclide imaging devices Characteristics and test conditions: Part 1 Positron emission tomographs (First Revision)

14. MHD 15(22663) (Modified/Technically Equivalent to IEC 61689:2022) Ultrasonics Physiotherapy Systems Field Specifications and Methods of Measurement in the Frequency Range 05 MHz to 5 MHz

15. MHD 15(22664) (Modified/Technically Equivalent to IEC 60601-2-2:2023) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 2 High frequency surgical equipment and high frequency surgical accessories (First revision)

16. MHD 15(22665) (Modified/Technically Equivalent to IEC 60601-2-3:2022) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 3 Short-wave therapy equipment (First revision)

17. MHD 15(22666) (Modified/Technically Equivalent to IEC 60601-2-10:2023) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 10 Nerve and muscle stimulators (First revision)

18. MHD 15(22667) (Modified/Technically Equivalent to IEC 60601-2-43:2022) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 43 X-ray equipment for interventional procedures (First revision)

19. MHD 15(22668) (Modified/Technically Equivalent to IEC 60601-2-45:2022) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 45 Mammographic X-ray equipment and mammographic stereotactic devices (First revision)

20. MHD 15(22669) (Modified/Technically Equivalent to IEC 60601-2-54:2022) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 54 X-ray equipment for radiography and radioscopy (First revision)

21. MHD 15(22670) (Modified/Technically Equivalent to IEC 60601-2-63:2021) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 63 Dental extra-oral X-ray equipment (First revision)

22. MHD 15(22671) (Modified/Technically Equivalent to IEC 60601-2-65:2021) Medical electrical equipment: Part 2 Particular requirements for basic safety and essential performance Section 65 Dental intra-oral X-ray equipment (First revision)

23. MHD 15(22679) (Modified/Technically Equivalent to IEC 60806:2022) Determination of the maximum symmetrical radiation field of X-ray tube assemblies and X-ray source assemblies for medical diagnosis (First revision)

ITEM 4 Draft Indian Standards for Approval for Wide Circulation

4.1 The Committee to initiate the adoption of the following IEC documents to revise/amend the corresponding Indian Standards and approved the wide circulation of these IEC documents for a period of one month:

1. **IEC 60601-2-6:2022 [IEC 60601-2-6:2012+AMD1:2016+AMD2:2022 CSV]** Medical electrical equipment - Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment

2. **Corrigendum 1 to IEC 80601-2-26:2019 [IEC 80601-2-26:2019/COR1:2021]** Medical electrical equipment - Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs
3. **IEC 60601-2-33:2022** Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis
4. **IEC 60601-2-41:2021** Medical electrical equipment - Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis
5. **IEC 60601-2-46:2023** Medical electrical equipment - Part 2-46: Particular requirements for the basic safety and essential performance of operating tables
6. **IEC 80601-2-59:2023 [IEC 80601-2-59:2017+AMD1:2023 CSV]** Medical electrical equipment — Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening
7. **IEC 62653-1:2021 [IEC 62563-1:2009+AMD1:2016+AMD2:2021 CSV]** Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods

4.2 The Committee decided to circulate the list of standards published by IEC/TC 62 and its SC 62A, 62B, 62C and 62D along with their status of adoption among the members for 15 days requesting them to suggest the IEC standards to be considered for adoption as Indian Standards.

ITEM 5 New Subjects

5.1 The Committee was informed that any New Work Item Proposal (NWIP) may be submitted through the BIS website www.bis.gov.in.

ITEM 6 Technical Issues

6.1 Review of IS 7620 Series of Indian Standards on X-ray Equipment viz-a-viz IS 13450 Series of Standards

CMD-III representative informed that a meeting is being planned with AERB in the month of July 2023 to discuss the review of IS 7620 Series of Indian Standards on X-ray Equipment viz-a-viz IS 13450 Series of Standards and MHD will be informed once the schedule is finalized.

ITEM 7 International Electrotechnical Commission (IEC)

7.1 The Committee noted the information regarding the P-membership of India on IEC/TC 62 and SC 62A, 62 B, 62C & 62D subcommittees.

The Committee also noted the information regarding obligatory voting for BIS(India) on all the ballot documents circulated by the Secretariat of IEC/TC 62 and SC 62A, 62 B, 62C & 62D subcommittees.

The Committee also discussed regarding the nomination of experts from other sectional committees on the Working Groups of IEC/TC 62 and its SCs wherever specific domain expertise is required. It was agreed to consider such proposals as per BIS guidelines.

7.2 The Committee noted the information about the next Plenary/Working Group meetings of IEC/TC 62 and its SCs scheduled from 11-22 Sept 2023 in Seoul, South Korea in Face-to-face mode. The nominations received for participation in the meetings were recommended along with the participation of Chairman, MHD 15 and Member Secretary, MHD 15 in the Plenary Meetings of IEC TC 62 and SC 62A, 62B, 62C and 62D. The complete list of delegates recommended for participation in the meetings along with the source of funding is given below:

S.No.	Member & organization	Meetings to be attended	Date	Funding
1.	Dr. V. R. Singh, Chairperson, MHD 15 (In personal capacity)	SC 62 A Plenary	19 Sept 2023	Funding by BIS
		SC 62 B Plenary	20 Sept 2023	
		SC 62 C Plenary	21 Sept 2023	
		SC 62 D Plenary	21 Sept 2023	
		TC 62 Plenary	22 Sept 2023	
2.	Dr. Pratik Kumar, AIIMS, New Delhi	SC 62C/WG 1	15-19 Sept 2023	Funding by BIS
		SC 62 B Plenary	20 Sept 2023	
		SC 62 C Plenary	21 Sept 2023	
3.	Prof. S. Ramakrishnan, IIT Madras, Chennai	SC 62 A Plenary	19 Sept 2023	Funding by IIT Madras
		SC 62 D Plenary	21 Sept 2023	
		TC 62 Plenary	22 Sept 2023	
4.	Dr. Ratnesh Singh Kanwar, INMAS, New Delhi	SC 62 A Plenary	19 Sept 2023	Funding by INMAS
		SC 62 D Plenary	21 Sept 2023	
5.	Mr. Chandan Kumar, Member Secretary, MHD 15 BIS, New Delhi	SC 62 A Plenary	19 Sept 2023	Funding by BIS
		SC 62 B Plenary	20 Sept 2023	
		SC 62 C Plenary	21 Sept 2023	
		SC 62 D Plenary	21 Sept 2023	
		TC 62 Plenary	22 Sept 2023	

ITEM 8 Programme of Work

8.1 The Committee noted the Programme of Work of Electromedical, Diagnostic Imaging and Radiotherapy Equipment Sectional Committee, MHD 15 as available on the BIS portal https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_new.

8.2 Review of Indian Standards (as per 5-year cycle)

The Committee noted the Indian Standards which are due for review in the July-Sept 2023 Quarter and based on the review analysis report submitted by the Secretariat on the portal, decided as follows:

Sl. No.	IS No.	Due date	Decision of the Committee
1.	IS/ISO 4090 : 2001	July 2023	**Reaffirm** - As the base ISO standard remains valid on date, it was decided to reaffirm the standard w.e.f due date for a period of five years.
2.	IS 11478:2018/ IEC/TR 60930:2008	Aug 2023	
3.	IS 13450 (Part 1/Sec 2):2018/ IEC 60601-1-2 : 2014	June 2023	
4.	IS 13450 (Part 2/Sec 4):2018/ IEC 60601-2-4 : 2010	Aug 2023	
5.	IS 13450 (Part 2/Sec 5):2018/ IEC 60601-2-5 : 2009	Aug 2023	
6.	IS 13450 (Part 2/Sec 6):2018/ IEC 60601-2-6 : 2012	Aug 2023	**Reaffirm and revise –** As the base IEC standard has been revised, the Committee decided to reaffirm the standard w.e.f and take up its revision simultaneously through adoption of the latest IEC edition.
7.	IS 13450 (Part 2/Sec 10):2018/ IEC 60601-2-10 : 2012	July 2023	
8.	IS 13450 (Part 2/Sec 11):2018/ IEC 60601-2-11 : 2013	Aug 2023	**Reaffirm** - As the base ISO standard remains valid on date, it was decided to reaffirm the standard w.e.f due date for a period of five years.
9.	IS 13450 (Part 2/Sec 17):2018/ IEC 60601-2-17 : 2013	Aug 2023	
10.	IS 13450 (Part 2/Sec 23):2018/ IEC 60601-2-23 : 2011	Aug 2023	
11.	IS 13450 (Part 2/Sec 47):2018/ IEC 60601-2-47 : 2012	June 2023	
12.	IS/IEC 61331-1 : 2014	July 2023	
13.	IS/IEC 61675-1 : 2013	Aug 2023	**Reaffirm and revise –** As the base IEC standard has been revised, the Committee decided to reaffirm the standard w.e.f and take up its revision simultaneously through adoption of the latest IEC edition.
14.	IS/IEC 61689 : 2013	June 2023	

8.3 Review of Indian Standards published before year 2000

The Committee reviewed the status of progress of review of the following three pre-2000 standards under MHD 15 as follows:

S.No.	Indian Standard	Status
1.	IS 11393 : 1985 Specification for scintillation counters	The Committee noted the comments received from Dr. P. S. Sarkar, BARC on IS 11393 and decided to circulate the comments among other members for their feedback. It was also decided to identify and contact a manufacturer of the product for inputs. Dr. Sarkar volunteered to share the contact details of the manufacturer of the product.
2.	IS 11753 : 1986 Specification for electrical impedance plethysmograph	R&D project has been proposed by Sh. Sushil Rana, Recorders and Medicare Systems Pvt Ltd, Panchkula for which he has sought support from PGIMER, Chandigarh, BARC and AIIMS, New Delhi. Center for Innovation and BioDesign (CIBioD), ICMR housed in PGIMER, Chandigarh has offered support for the R&D Project. The Committee decided to contact Dept. of Physiology, AIIMS, New Delhi and BARC for supporting the project.
3.	IS 11789 : 1986 Determination of the maximum symmetrical radiation field in the radiation beam from a rotating anode X-ray tube for medical diagnosis	IEC 60806:2022 is being adopted to revise IS 11789:1986 [Doc No. MHD 15(22679)].

ITEM 9 Action taken report on the Minutes of Previous Meeting/Issue arising out of the previous meetings

The Committee noted the action taken report on the minutes of the previous meeting given at *Annex 3 to the Agenda*.

ITEM 10 Date and Place for the Next Meeting

The next meeting will be scheduled as per the Annual Meeting Calendar of MHD 15 for 2023-24 given below:

Quarter	Meeting Date
April-June (Q1)	28 June 2023 (Conducted)
July-September (Q2)	27 September 2023
October-December (Q3)	20 December 2023
January 2024-March 2024(Q4)	20 March 2024

ITEM 11 Any Other Business

Prof. S. Ramakrishnan proposed to conduct the Q4 meeting of MHD 15 at IIT Madras, Chennai campus along with a Seminar/Workshop focused on standardization of Medical Devices being dealt under the Committee. The Committee appreciated and agreed in principle to the proposal.

There being no other business to discuss, the meeting ended with a hearty vote of thanks to the Chairperson and all the members.

Annex-1

Members Present:

	Member	Organization
1.	Dr. V. R. Singh *(Chairperson)*	In personal capacity
2.	Sh. Asok Kumar Raghavan Nair	Asia Pacific Medical Technology Association (APACMed), Gurugram
3.	Dr. Pratik Kumar	All India Institute of Medical Sciences, New Delhi
4.	Sh. Yoginder Nath	Allengers Medical Systems Limited, Chandigarh
5.	Dr. Ranajit Bandopadhayay	Allied Medical Limited, Gurugram
6.	Sh. R. K. Chaturvedi	Atomic Energy Regulatory Board , Mumbai
7.	Dr. Rajesh Kumar	Bhabha Atomic Research Centre, Mumbai
8.	Dr. P. S. Sarkar	Bhabha Atomic Research Centre, Mumbai
9.	Sh. Aseem Sahu	Central Drugs Standard Control Organization, New Delhi
10.	Sh. Arvind Hiwale	Central Drugs Standard Control Organization, New Delhi
11.	Sh. Manmohan Singh	Clarity Medical Pvt. Ltd., Mohali
12.	Dr. K. Mohanavelu	Defence Bio-Engineering & Electromedical Laboratory (DEBEL), Bangalore
13.	Sh. Zakaria Khan Yusufzai	Department of Industrial Policy & Promotion (DIPP), New Delhi
14.	Sh. Rajaram B	Elekta Medical Systems India Private Limited, Chennai
15.	Prof. Ramakrishnan S	Indian Institute of Technology Madras, Chennai
16.	Ms. Indira Narayan Murthy	Intuitive Surgical India Pvt. Limited, Bengaluru
17.	Ms. Sushmita Roy Chowdhury	Kalam Institute of Health Technology, Vishakhapatnam
18.	Sh. Santosh Balivada	Kalam Institute of Health Technology, Vishakhapatnam
19.	Sh. Syed Mustafiz	Kalam Institute of Health Technology, Vishakhapatnam
20.	Dr. Ranjan Kumar Choudhury	National Health Systems Resource Centre, New Delhi
21.	Ms. Manisha Sharma	National Health Systems Resource Centre, New Delhi
22.	Dr. Vikas K. Jagtap	North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong
23.	Ms. Dhivya T.	Panacea Medical Technologies Private Limited, Bengaluru
24.	Sh. Rajendra Prasad	Philips Electronics India Limited, Gurugram
25.	Sh. Sushil Rana	Recorders and Medicare Systems Private Limited, Panchkula
26.	Sh. A. Ganesh Kumar	Siemens Healthcare Private Limited, Gurugram
27.	Dr. Abhay Deshpande	Society for Applied Microwave Electronics Engineering & Research (SAMEER), Mumbai
28.	Sh. Basavaraj Angadi	TUV Rheinland (India) Private Limited, Bangalore
29.	Ms. Pooja Sharma	Varian Medical Systems International Private Limited, Mumbai
30.	Sh. Dorai Subramaniam	Wipro G E Healthcare Private Limited, Bengaluru
31.	Sh. Chandan Kumar *(Member Secretary)*	Bureau of Indian Standards, New Delhi

BIS Directorate General:

32.	Sh. A. R. Unnikrishnan	Head(MHD), BIS, New Delhi
33.	Sh. Peeyush Prakash	Scientist-D, CMD-III, BIS, New Delhi

Annex-2

PROCESS REFORMS IN STANDARDIZATION ACTIVITY

It was informed to the committee that BIS has instituted several process reforms in respect of formulation of Indian Standards and it is essential that the committee members are fully aware of these reform measures. The presentation of these measures before the committee would give the members an excellent bird's-eye view of the new reforms in Standardization activity.

STANDARDS NATIONAL ACTION PLAN (SNAP)

Standards National Action Plan (SNAP) 2022-2027 is one of the major transformational initiatives launched by BIS and the document has been developed after a series of consultations with various stakeholders and interested parties. SNAP would serve as a roadmap for standardization and will play an important role in steering the national standardization efforts.

The committee noted that the SNAP document is available in BIS website under the link https://www.bis.gov.in/wp-content/uploads/2023/05/SNPbookBilingual.pdf. The committee also noted the subject areas in the health/ healthcare sector that are to be taken up for standardization by 2027 as per the assigned priorities.

STANDARDIZATION PORTAL

The committee noted the functioning of revamped standards portal and appreciated the efforts taken by BIS in digitization of various stages of Standardization activity and encouraged the members to enhance the use of IT tools and to effectively utilize the services of the portal in the best possible manner so as to increase the efficiency of operations.

ROLLING ANNUAL ACTION PLAN FOR 2023-24

The importance of rolling annual action plan which is an annual strategic roadmap document that helps in monitoring the progress of standards development at various stages was discussed.

IDENTIFICATION OF NEW AREAS FOR STANDARDIZATION

The relevance and strategic significance of BIS as the National Standards Body needs to be augmented. This would require identification of new emerging areas where standardization could benefit the society at large.

The committee noted that this can be achieved through the annual programme for standardization for Central/State Ministries/ Departments & Industry Associations, effective utilization of Standardization Cells, interaction with the faculty of Prominent Technical Institutes, subscription of important Scientific Journals & Magazines etc. The members were requested to suggest the

details of scientific journals and periodicals that are relevant to the work of the committee which can be subscribed by BIS.

CREATION OF POOL OF EXPERTS

Considering the diverse and specialized nature of standardization, there is a need to create a pool of experts in committees so that they can contribute towards standards formulation in various areas.

The committee noted that this would include experts in individual capacity as well as specialist organizations who can contribute and urged the members to volunteer as well as suggest the names of organizations that can be included as experts so as to assist BIS in increasing its network of experts. The committee also noted the various committee management strategies and the standards promotion activities adopted by BIS to fulfil its various objectives.

STAKEHOLDER MANAGEMENT

The technical committees form the backbone of the standardization infrastructure of BIS. The committee noted that the increased participation of various stakeholders in standard formulation process needs to be sustained which would strengthen the standardization activities of BIS.

ANNUAL CALENDAR OF SECTIONAL COMMITTEE MEETINGS

The meetings of sectional committees are normally convened once in three months in consultation with the Chairperson. For effective planning of the meeting, an Annual Meeting Calendar need to be prepared in advance.

The committee noted that the advance information on meeting dates would help the members to plan their meeting schedule among other commitments.

RESEARCH PROJECTS

It was discussed that the formulation/ review/ revision of the standards is primarily based on the technical inputs provided by the committee members. However, it would be prudent to ensure that adequate research inputs from various sources in the form of authentic data are available to BIS which would strengthen the standards setting process. The various R & D schemes available in this context were briefed to the committee members.

PARTICIPATION AT INTERNATIONAL MEETINGS AT ISO/IEC LEVEL AND NEW WORK ITEM PROPOSALS RECEIVED FROM ISO/IEC

It is important for BIS, as the National Standards Body and the founder member of ISO and IEC, to contribute effectively on the international front. The committee noted that the strategic participation and effective contribution to international standardisation activities would result in high visibility of the country in the international forum.

Further, as a part of the national standards strategy, it is also expected that the committee members give a closer examination of the New Work Item Proposals received from ISO/IEC from the Indian industry perspective as well.

PARTICIPATION IN NATIONAL AND INTERNATIONAL EVENTS

The need and importance of participation in national and international events that are relevant to the area of scope of the committee was discussed. The members were requested to inform BIS about any such events so that BIS officers as well as the committee members can ensure effective participation in these events.

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