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**CHEMICAL DEPARTMENT**

**OCCUPATIONAL SAFETY & HEALTH SECTIONAL COMMITTEE**

**CHD 08**

**AGENDA OF 24th MEETING**

Date/Day/Time: 10-Sep-2024, Tuesday, 11:00 am to 1:00 pm

Venue : Virtual Meeting (Through Webex)

Meerting Link: <https://bismanak.webex.com/bismanak/j.php?MTID=macc7ca81a4d96a076890c94b7173c49a>

Meeting ID:2513 290 4759

Meeting Password: Chd8@26 (2438126 when dialing from a video system)

Chairperson: Shri Lalit R. Gabhane, Director General, NSC

Member Secretary: Sushant Kumar, Scientist-C, BIS

**4.8 Respiratory protective devices for self-rescue**

BIS Secretariat prepared the WC draft of Respiratory protective devices for self-rescue and send for wide circulation.

Since no comments were received, BIS Secretariat has prepared the final draft of Respiratory Protective Devices for Self-Rescue. The same is attached below for committee’s reference.



The Committee may **APPROVE.**

**4.9 Guidelines for implementation of OHSMS in agencies dealing with solid waste management**

The Committee in the last meeting it was decided to send the draft of “Guidelines for implementation of OHSMS in agencies dealing with solid waste management received from NSC for wide circulation for a period of 2 months.

Since no comments were received, BIS Secretariat has prepared the Final draft of Guidelines for Implementation of OHSMS in Agencies Dealing with Solid Waste Management. The same is attached below for committee’s reference.



The Committee may **APPROVE.**

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

**5.1 Comment received on IS 10245 (Part 2) : 2023** **Respiratory Protective Devices-Specification Part 2 Self-Contained Open Circuit Breathing Apparatus (Second Revision)**

The committee in the last meeting had reviewed the comments on the published standard of IS 10245 (Part 2) and it was decided that WG 1 will be responsible for resolving the comments received on IS 10245 (Part 2).

Accordingly, a joint meeting of Panel 6 & Working group 1 was held on 21st May 2024 to deliberate on the comments received on the draft. The recommendations of the panel are recorded in the attached comment file.

  

The committee may **decide**

The Committee may **APPROVE.**

**5.2 Guide for selection of PPE for waste handling**

The Committee had requested SAMA for the draft and BIS secretariat to circulate it as P-draft for 1 month. If comments are received on the P-draft, they will be discussed in SC 1; if no comments are received, the document will be sent for 1 month into wide circulation.

The committee in the last meeting noted that working draft has been received from panel 6 and it was decided to convene Panel 6 meeting to finalize the P draft.

In accordance with the schedule, a meeting of Panel 6 was initially scheduled for October 20, 2023. Unfortunately, circumstances have necessitated the cancellation of the aforementioned meeting. However, I am pleased to inform you that the Panel 6 meeting is rescheduled to take place in the near future. As soon as the necessary preparations have been completed on our part, this matter will be discussed in the upcoming CHD 8 meeting.

Accordingly, a joint meeting of Panel 6 and WG 1 was held on 21st May 2024 to finalize the P-draft and no comments received on the P-draft. BIS Secretariat has prepared the WC draft of Guide for selection of PPE for waste handling. The same is attached below for committee’s reference.

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The Committee may **APPROVE.**

**ITEM 6 COMMENTS RECEIVED ON THE PUBLISHED STANDARD**

**6.1 IS 18347 : 2023 Hazard Identification and Risk Assessment (other than Chemical Industries) - Code of Practice**

MSCD Department of BIS has offered some comments on the published standard of IS 18347: 2023. The same are attached here along with the soft copy of standard.

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**The committee may DECIDE.**

**ITEM 7 NEW WORK ITEM PROPOSAL**

**7.1** Adoption of **ISO 16900-4 : 2011** Respiratory protective devices — Methods of test and test equipment Part 4: Determination of gas filter capacity and migration, desorption and carbon monoxide dynamic testing

Shri Harshal Patil from Venus Safety has proposed to adopt ISO 16900-4 : 2011. The ISO standard is attached herewith for committee’s reference.



The Committee may **DECIDE**.

**7.2** Adoption of **ISO 16900-14 : 2020** Respiratory protective devices — Methods of test and test equipment Part 14: Measurement of sound pressure level

Shri Harshal Patil from Venus Safety has proposed to adopt ISO 16900-14 : 2020. The ISO standard is attached herewith for committee’s reference.



The Committee may **DECIDE**.

**ITEM 8 INTERNATIONAL ACTIVITIES**

International Organization for Standardization (ISO) is the apex standardization body with an exclusive mandate to prepare and propagate International Standards. The standard development is carried through a number of technical committees which has a defined structure including Secretariat (held by a member body of ISO). The Bureau of Indian Standards, the National Standards Body of the country represents India on ISO. The CHD 08, on behalf of BIS holds P membership of ISO/TC 94/SC 6, ISO/TC 94/SC 15, and ISO/TC 283

**8.1 Standards adopted by BIS and are being considered by ISO for revision**

CHD 08 has adopted the following standard from ISO as on date.

|  |  |  |
| --- | --- | --- |
| **Sl No.** | **Document adopted or under development** | **Remarks** |
|  | IS 3521 (Part 2) : 2021/ ISO 10333-2 : 2000  Personal Fall Arrest Systems Specification Part 2 Lanyards and Energy Absorbers | ISO 10333-2 : 2000 is currently under review. |
|  | IS 3521 (Part 3) : 2021/ISO 10333-3 : 2000  Personal Fall Arrest Systems Specification Part 3 Self-retracting lifelines | ISO 10333-3 : 2000 is currently under review. |
|  | IS 3521 (Part 4) : 2021/ ISO 10333-4 : 2002  Personal Fall Arrest Systems Specification Part 4 Vertical rails and vertical lifelines incorporating a sliding-type fall arrester | ISO 10333-4 : 2002 was last reviewed and confirmed in 2023. Therefore this version remains current. |
|  | IS 3521 (Part 5) : 2021/ ISO 10333-5 : 2001  Personal Fall Arrest Systems Specification Part 5 Connectors with self-closing and self-locking gates | ISO 10333-5 : 2001 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 3521 (Part 6) : 2021/ ISO 10333-6 : 2004  Personal Fall Arrest Systems - Part 6 System performance tests | ISO 10333-6 : 2004 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 3521 (Part 7) : 2021/ISO 14567 : 1999  Personal Fall Arrest Systems Specification Part 7 Single point anchor devices | ISO 14567 : 1999 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 3521 (Part 8) : 2021/ ISO 16024 : 2005  Personal Fall Arrest Systems Specification Part 8 Flexible horizontal lifeline systems | ISO 16024 : 2005 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 3521 (Part 9) : 2021/ ISO 22159 : 2007  Personal Fall Arrest Systems Specification Part 9 Descending devices | ISO 22159 : 2007 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 7524 (Part 1) : 2021/ISO 18526-1 : 2020  Eye and Face Protection Test Methods Part 1 Geometrical Optical Properties Second Revision | ISO 18526-1 : 2020 has not taken for review yet. |
|  | IS 7524 (Part 2) : 2021/ISO 18526-2 : 2020  Eye and Face Protection Test Methods Part 2 Physical Optical Properties Second Revision | ISO 18526-2 : 2020 has not taken for review yet. |
|  | IS 7524 (Part 3) : 2021/ISO 18526-3 : 2020  Eye and face protection Test methods Part 3 Physical and Mechanical Properties | ISO 18526-3 : 2020 has not taken for review yet.. |
|  | IS 7524 (Part 4) : 2021/ISO 18526-4 : 2020  Eye and face protection Test methods Part 4 Headforms | ISO 18526-4 : 2020 has not taken for review yet.. |
|  | IS 8520 : 2023/ISO 19734 : 2021  Eye and face protection ï¿½ Guidance on selection, use, and maintenance (First Revision) | ISO 19734 : 2021 has not taken for review yet. |
|  | IS 8521 (Part 1) : 2022/ISO 16321-1 :2021 Specification for industrial safety face shields Part 1 with plastics visor | ISO 16321-1:2021/Amd 1:2024 has been issued. |
|  | IS 8521 (Part 2) : 2022/ISO 16321-3 : 2021  Eye and Face Protection for Occupational Use Part 2 Additional Requirements for Mesh Protectors | ISO 16321-3 : 2021 has not taken for review yet.. |
|  | IS 17274 (Part 1) : 2023 /ISO 16900-1 :2019  Respiratory Protective Devices Methods of Test and Test Equipment Part 1 Determination of Inward Leakage | ISO 16900-1 :2019 has not taken for review yet. |
|  | IS 17274 (Part 2) : 2019/ISO16900-2: 2017  Respiratory Protective Devices Methods of Test and Test Equipment Part 2 Determination of Breathing Resistance | ISO 16900-2:2017 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 17274 (Part 3) : 2019/ISO 16900-3:2012  Respiratory Protective Devices Methods of Test and Test Equipment Part 3 Determination of Particle Filter Penetration | ISO 16900-3:2012 was last reviewed and confirmed in 2024. Therefore this version remains current. |
|  | IS 17274 (Part 5) : 2019/ISO16900-5 :2016  Respiratory Protective Devices Methods of test and test equipment Part 5 Breathing machine metabolic simulator RPD head forms and torso tools and verification tools | ISO 16900-5:2016/Amd 1:2018 has been issued. |
|  | IS 17274 (Part 6) : 2023/ISO 16900-6:2021.  Respiratory Protective Devices Methods of Test and Test Equipment Part 6 Mechanical Resistance Strength of Components and Connections | ISO 16900-6:2021 has not taken for review yet. |
|  | IS 17274 (Part 7) : 2023/ISO 16900-7:2020  Respiratory Protective Devices Methods of Test and Test Equipment Part 7 Practical Performance Test Methods | ISO 16900-7:2020 has not taken for review yet. |
|  | IS 17274 (Part 8) : 2019/ISO 16900-8 :2015  Respiratory Protective Devices Methods of Test and Test Equipment Part 8 Measurement of RPD Air Flow Rates of Assisted Filtering RPD | ISO 16900-8 :2015 was last reviewed and confirmed in 2021. Therefore this version remains current. |
|  | IS 17274 (Part 9) : 2019/ISO16900-9 : 2015  Respiratory Protective Devices Methods of Test and Test Equipment Part 9 Determination of Carbon Dioxide Content of the Inhaled Gas | ISO16900-9 : 2015 was last reviewed and confirmed in 2021. Therefore this version remains current. |
|  | IS 17274 (Part 10) : 2019/ISO 16900-10 :2015  Respiratory Protective Devices Methods of Test and Test Equipment Part 10 Resistance to Ignition Flame Radiant Heat and Heat | ISO 16900-10 :2015 was last reviewed and confirmed in 2021. Therefore this version remains current. |
|  | IS 17274 (Part 11) : 2019/ISO 16900-11 :2013  Respiratory Protective Devices Methods of Test and Test Equipment Part 11 Determination of Field of Vision | ISO 16900-11 :2016 will be replaced by ISO/DIS 16900-11 |
|  | IS 17274 (Part 12) : 2019/ISO 16900-12 :2016  Respiratory Protective Devices Methods of Test and test Equipment Part 12 Determination of Volume-Averaged Work of Breathing and Peak Respiratory Pressures | ISO 16900-12 :2016 was last reviewed and confirmed in 2021. Therefore this version remains current. |
|  | IS 17274 (Part 13) : 2019/ISO 16900-13 : 2015  Respiratory Protective Devices Methods of Test and Test Equipment Part 13 RPD Using Regenerated Breathable Gas and Special Application Mining Escape RPD Consolidated Test for Gas Concentration Temperature Humidity Work of Breathing Breathing Resistance Elastance and Duration | ISO 16900-13 : 2015 was last reviewed and confirmed in 2021. Therefore this version remains current. |
|  | IS/ISO 45001 : 2018  Occupational Health and Safety Management Systems Requirements with Guidance for Use Second Revision | ISO 45001:2018/Amd 1 has been issued. |

The Committee may also **ADOPT** more the ISO standards in this field as necessary.

**8.2 New Documents under development at ISO/TC 94/SC 6, ISO/TC 94/SC 15, and ISO/TC 283.**

No new documents under development for now.

The Committee may **NOTE.**

**8.3 New proposals under consideration at ISO/TC 94/SC 6, ISO/TC 94/SC 15, and ISO/TC 283.**

No new proposal under consideration for now.

The Committee may **NOTE.**

**8.4 Participation at ISO/TC 94/SC 6, ISO/TC 94/SC 15, and ISO/TC 283.**

**8.5 Upcoming Meetings of ISO/TC 94/SC 6, ISO/TC 94/SC 15, and ISO/TC 283.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **ISO Committee** | **Meeting Details** | **Participation** |
| **2** | ISO/TC 283 | The next meeting of ISO/TC 283 is scheduled to be held on 08 October 2024 by Hybrid mode.  The last date for registration is 15th August 2024. |  |

The Committee may **NOTE**.

**ITEM 9 TO BE DISCUSSED IN THE NEXT CHD 08 MEETING**

**9.1 IS 10224:1982 Ergonomic principles in the design of work systems**

The Committee allocated the standard to Shri Vinod Sant, SAMA for review. The review was been received from Shri V B Sant. The review and justification of the same is attached below;



The committee deliberated on the review provided by Shri V B Sant and decided to request Shri V B Sant to form a panel of experts that can recommend whether ISO 6385: 2016 can be adopted in toto or it needs to be modified.Shri Vinod Sant informed the he is no longer associated with SAMA and requested to remove him for CHD 8 Committee.

The committee in the last meeting had deliberated that the SAMA should nominate one member who will be responsible for revision of this standard.The committee also decided to convene one meeting with SAMA to review the work assigned to its members.

The meeting with SAMA for review of IS 10224 is pending. However, it is pleased to inform that the meeting will be take place in the near future. As soon as the necessary preparations have been completed on our part, this matter will be discussed in the upcoming CHD 8 meeting.

The Committee may **DISCUSS** in next meeting.

**9.2 Code of practice for enhancing safety culture in organizations.**

NSC informed the committee in 21st meeting that they would check up for the requirement of the standard and sought some time to update on the subject. The committee decided to discuss the same in the next committee meeting when more input is provided by NSC.

The Chairperson in the last meeting informed the committee that NSC is still working on draft and will provide before next committee meeting.

Accordingly, a follow up mail was send to NSC, in which it was informed that NSC is still working on draft and will provide to BIS when it will be ready.

Hence, the draft on subject of Code of Practice for Enhancing safety culture in Organizations from NSC is still awaited.

**9.3 Full Body Protector--Specification**

The draft of the subject available with BIS secretariat was examined by member secretary and some gaps in the document were observed. Hence, the document was shared with SC 2 convenor to address the gaps. The committee in 21st meeting noted the status on the same and requested subcommittee 2 to take it up on priority for further actions.

A working group consisting of Dr Surianarayanan, Dr Parmar along with Member secretary have done several rounds of discussion to modify the draft. The updated draft is attached below for committee member’s consideration.

The Committee in the last meeting had decided to circulate the draft as P draft for 21 days to committee members for their Comments. Accordingly, Member Secretary circulated the draft as P Draft on 17 April 2023. There is no comments received on the p draft.

Given the absence of any comments received on the preliminary draft, the Member Secretary has initiated the process of drafting the WC draft for the Full Body Protector. The preparation of the WC draft is currently underway, and once the document is finalized, it will be circulated widely for a period of 60 days.

The Committee may **NOTE.**

**9.4 Safety Harness for Child below 4 years of age**

The Committee in the last meeting had reviewed working draft of Safety Harness for Child received from Shri. Mohammad, Karam Industries after incorporation of Panel’s recommendations. There was some test methods that needs to be incorporated in the draft by BIS Secretariat.

Further, the committee had decided that after incorporation of test methods, the draft will be circulated as P draft to committee members for 21 days for their comments. If no comments were received on the P draft then the draft will be circulated as WC draft for a period of 2 months.

The incorporation of the test methods in the draft received from Shri. Mohammad, Karam Industries is currently under preparation. Once the document is finalized, it will be circulated to committee members for their inputs.

The Committee may **NOTE.**

**9.5 IS 10245 : Part 1 : 1996 Breathing apparatus: Part 1 closed circuit breathing apparatus (Compressed Oxygen Cylinder) - Specification (First Revision)**

The Committee in the 24th meeting had noted that WG meeting was convened with members from 3M India, Joseph Leslie Dynamics,Draeger India, and SAMA on 10-07-2023 where the WG finalized the draft incorporating the agreed changes for sending for wide circulation



The Committee may **NOTE.**

**ITEM 12 PROGRAMME OF WORK (INCLUDING PREIODIC REVIEW OF INDIAN STANDARDS)**

The Committee noted the information provided in the agenda item and same has been attached below.

<https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_new>

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**ITEM 13 DATE AND PLACE OF NEXT MEETING**

**ITEM 14 ANY OTHER BUSINESS**