



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	CHD 8 - Occupational Safety and Health
2.	IS No :	IS 14170 : 1994
3.	Title :	Respiratory protective devices mouthpiece assemblies - Specification
4.	Date of Previous Review:	November, 2019

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	EN 142 : 1989	Respiratory protective devices; Mouth piece assemblies: Requirements, testing and marking	EN 142 : 2002	Copy of the revised EN not available with BIS library	Revised standard may be analyzed for changes and may be incorporated in revision of IS 14170

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 4905 : 1968	Methods for random sampling	IS 4905 : 2015 Random sampling and randomization procedures (First Revision)	No direct affect. In the revised standard randomization procedures have been explained.	NA	NA
2	IS 14138 (Part 2) : 1994	Respiratory protective devices: threads for facepieces: Part 2 Centre thread connection	No revision	NA	NA	NA
3	IS 14138 (Part 1) : 1994	Respiratory protective devices: Threads for facepieces ââ Specification: Part 1 Standard thread connection	No revision	NA	NA	NA
4	IS 8347 : 1977	Glossary of terms relating to respiratory protective devices	IS 8347 : 2008 A1 : 2018 Respiratory Protective Devices ââ Definitions, Classifications and Nomenclature of Components	New definitions related to threshold values (TLV, TLV-TWA, TLV-STEM, TLV-C), classification of respiratory protective devices, nomenclature of components and equivalent terms have been incorporated.	New definitions related to threshold values (TLV, TLV-TWA, TLV-STEM, TLV-C), classification of respiratory protective devices, nomenclature of components and equivalent terms have been incorporated.	The latest international standard on terminology for RPDs is ISO 16972 : 2020. The current IS 8347 may be revised to harmonize with ISO 16972 : 2020.

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	IS 14166 : 1994	Respiratory protective devices Full face masks	IS 14166 shall be referred in this standard because for practical performance test the standard has prescribed testing as per full face mask except speaking requirement. Hence, it shall also be referred in clause 2.	Refer IS 14166 in reference clause

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments				
S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	General	No additional developments found other than those already mentioned	NA	NA

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.					
S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
1	IS 4905-2015	Random sampling and randomization procedures (First Revision)	No direct affect. In the revised standard randomization procedures have been explained.	NA	NA

5.7 Any consequential changes to be considered in other IS.			
S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
1	IS 10245 : Part 2-1994	Respiratory protective devices - Specification: Part 2 open circuit breathing apparatus (First Revision)	Clause 5.2.8 Facepiece. Reference to revised IS 14170 will need to be provided in IS 10245 (Part 2).
2	IS 10245 : Part 3-1999	Breathing apparatus: Part 3 fresh air hose and compressed air line breathing apparatus - Specification (First Revision)	Reference shall be provided to IS 14170 for mouthpiece. Currently, reference is provided to IS 14746 for mouthpiece, which is wrong.

Other Details					
6.	Any other observation: a) Sustainability Development Goals: This standard meets SDG 3 (Good Health and Well Being) and SDG 8 (Decent Work and Economic Growth) b) Clause 4.3 of the standard addresses sustainability aspect through use of replaceable components				
7.	Upload Supporting Document(s)				
	<table border="1"> <tr> <td>7.1 ARP Report</td> <td>62_5901_220804110218_ARP_Report.pdf</td> </tr> <tr> <td>7.2 Draft Document</td> <td>62_5901_220804110244_Draft_Document.pdf</td> </tr> </table>	7.1 ARP Report	62_5901_220804110218_ARP_Report.pdf	7.2 Draft Document	62_5901_220804110244_Draft_Document.pdf
7.1 ARP Report	62_5901_220804110218_ARP_Report.pdf				
7.2 Draft Document	62_5901_220804110244_Draft_Document.pdf				
8.	<p>Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:</p> <table border="1"> <tr> <td>Revised draft attached</td> </tr> </table>	Revised draft attached			
Revised draft attached					