BIS

BIS establishes 19 standards, five on mixed and augmented reality

BIS notification 1633 lists 19 Indian Standards established on November 3, 2026. Five older standards they replace stay in force until May 3, 2027.

THE BUREAU OF INDIAN Standards (BIS), Department of Consumer Affairs, issued notification Ref: HQ-PUB013/1/2020-PUB-BIS (1633) at New Delhi on November 4, 2026. It appeared in the Gazette of India, Extraordinary, Part III, Section 4, No. 666, dated November 6, 2026 (CG-DL-E-14112026-277918). BIS made it in pursuance of rule 15(1) of the Bureau of Indian Standards Rules, 2018. S. K. Verma, Scientist F & DDG (Hallmarking), signed it.

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The schedule lists 19 Indian Standards, all established on November 3, 2026. Five of them replace an older standard, which stays in force alongside the new one until it's withdrawn on May 3, 2027. They cover prefabricated walk-in cold rooms (IS 2370 (Part 1), replacing IS 2370 : 2014), pneumatic coupling between tractors and trailers (IS 9905), the two parts of IS 13082 on gantry mounted grab type ship unloaders, and geological exploration by the seismic refraction method (IS 15681).

The other 14 have no earlier standard to withdraw. Six adopt ISO/IEC standards on computer graphics, image processing and environmental data representation: five on mixed and augmented reality (IS/ISO/IEC 3721, 18038, 18039, 21145 and 23488) and one with guidelines on visualizing smart cities (IS/ISO/IEC TS 5147). Three adopt parts of IEC 63203 on wearable electronic devices, covering e-textile tests and the accuracy of heart rate readings on fitness wearables. The rest cover pressure relief valves for cylinder valves (IS 19915), ear ventilation tubes (IS 19920), ossicular reconstruction prostheses (IS 19921), heat pumps for water heating (IS 19931 (Part 1)) and DNA sequencing systems (IS 19944).

Ten of the 19 are based on an ISO or IEC standard, one of them (IS 9905) as a modified adoption of ISO 1728 : 2006. The notification doesn't say what holders of a BIS licence on a replaced standard must do, beyond the May 3, 2027 withdrawal date.

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Document	Notification Ref: HQ-PUB013/1/2020-PUB-BIS (1633)
Dated	November 4, 2026
Published	Gazette of India, Extraordinary, Part III, Section 4, No. 666, November 6, 2026 (CG-DL-E-14112026-277918)
Standards established	19, on November 3, 2026
Standards replacing older ones	5
Older standards withdrawn	May 3, 2027; in force alongside the new ones until then

Legal basis	Rule 15(1), Bureau of Indian Standards Rules, 2018
Signed by	S. K. Verma, Scientist F & DDG (Hallmarking)

Indian Standards established on November 3, 2026

Sl No	Indian Standard established	Title	Standard withdrawn on May 3, 2027
1	IS 2370 (Part 1) : 2026	Walk-In Cold Room, Specification Part 1 Prefabricated Type (Second Revision)	IS 2370 : 2014
2	IS/ISO/IEC 3721 : 2023	Information Technology, Computer Graphics, Image Processing and Environmental Data Representation, Information Model for Mixed and Augmented Reality Content, Core Objects and Attributes	NA
3	IS/ISO/IEC TS 5147 : 2023	Information Technology, Computer Graphics, Image Processing and Environmental Data Representation, Guidelines for Representation and Visualization of Smart Cities	NA
4	IS 9905 : 2026 (ISO 1728 : 2006, MOD)	Pneumatic Coupling Between Tractors and Trailers, Specification (First Revision)	IS 9905 – 1981
5	IS 13082 (Part 1) : 2026	Bulk Handling Equipment, Ship Unloader, Gantry Mounted Grab Type, Code of Practice for Design, Manufacture and Erection Part 1 Mechanical and Structural Requirements (First Revision)	IS 13082 (Part 1) : 1991
6	IS 13082 (Part 2) : 2026	Bulk Handling Equipment, Ship Unloader, Gantry Mounted Grab Type, Code of Practice for Design, Manufacture and Erection Part 2 Electro-Mechanical Requirements (First Revision)	IS 13082 (Part 2) : 1991
7	IS 15681 : 2026	Geological Exploration by Seismic Refraction Method, Code of Practice (First Revision)	IS 15681 : 2006
8	IS/ISO/IEC 18038 : 2020	Information Technology, Computer Graphics, Image Processing and Environmental Representation, Sensor Representation in Mixed and Augmented Reality	NA
9	IS/ISO/IEC 18039 : 2019	Information Technology, Computer Graphics, Image Processing and Environmental Data Representation, Mixed and Augmented Reality (Mar) Reference Model	NA
10	IS 19915 : 2026	Pressure Relief Valves for Cylinder Valves and for Transportable Refillable Cylinders	NA
11	IS 19920 : 2026	Ear Ventilation Tubes, Specification	NA
12	IS 19921 : 2026	Ossicular Reconstruction Prosthesis, Specification	NA

13	IS 19931 (Part 1) : 2026	Heat Pump for Water Heating, Specification Part 1 Heat Pump Equipment	NA
14	IS 19944 : 2026	DNA Sequencing System, Requirements	NA
15	IS/ISO/IEC 21145 : 2023	Information Technology, Computer Graphics, Image Processing and Environmental Data Representation, Style Representation for Mixed and Augmented Reality	NA
16	IS/ISO/IEC 23488 : 2022	Information Technology, Computer Graphics, Image Processing and Environment Data Representation, Object/Environmental Representation for Image-Based Rendering in Virtual/Mixed and Augmented Reality (VR/MAR)	NA
17	IS/IEC 63203-201-4 : 2024	Wearable Electronic Devices and Technologies Part 201 Electronic Textile Section 4 Test Method for Determining Sheet Resistance of Conductive Fabrics After Abrasion	NA
18	IS/IEC 63203-204-2 : 2025	Wearable Electronic Devices and Technologies Part 204 Electronic Textile Section 2 Test Method to Characterize Electrical Resistance Change in Knee and Elbow Bending Test of E-Textiles	NA
19	IS/IEC 63203-402-3 : 2024	Wearable Electronic Devices and Technologies Part 402 Performance Measurement of Fitness Wearables Section 3 Test Methods for the Determination of the Accuracy of Heart Rate	NA

The notification (PDF, 653 KB)

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