

BUREAU OF INDIAN STANDARDS

Registration Department

Our Ref: IS 302 (Part 1)

27 November 2024

Subject: Guidelines for implementation of IS 302 (Part 1):2024 /IEC 60335-1:2020

1. The product 'Adapters for Household And Similar Electrical Appliances' as per IS 302 (Part 1): 2008 is covered under mandatory certification under Scheme II of the BIS (Conformity Assessment) Regulations, 2018.
2. The existing IS 302-1 : 2008 has been revised and published as IS 302 (Part 1) : 2024/ IEC 60335-1 : 2020. The last date of concurrent running of both the Indian Standards is 23rd February 2025 after which the existing IS 302-1: 2008 shall stand withdrawn.
3. The significant changes brought through this revision as listed below is given for the purpose of general guidance.
 - a. Updated the text of this standard to align with the most recent editions of the dated normative references;
 - b. Deleted some notes and converted many other notes, in whole or in part, to normative text;
 - c. Changed some Annex designations from normative to informative;
 - d. Introduced information on guidance documents concerning the application of the safety requirements covered by IEC 60335 series and on how to retrieve them;
 - e. Clarified requirements for PELV circuits;
 - f. Clarification of requirements on measurement of power input and rated current when they vary throughout the operating cycle;
 - g. Replaced existing Annex S with the informative Annex S 'Guidance for the application of this standard on measurement of power input and current based on the requirements of 10.1 and 10.2 concerning the representative period';
 - h. Introduced and clarified mechanical strength requirements for appliances with integral pins for insertion into socket-outlets;
 - i. Introduced requirements for battery-operated appliances;
 - j. Introduced requirements for metal-ion batteries including a new clause 12 charging of metal-ion batteries;
 - k. Introduced the application of test probe 18;
 - l. Introduced requirements for appliances incorporating appliance outlets and socket-outlets accessible to the user;
 - m. Introduced requirements for appliances incorporating a functional earth;
 - n. Introduced moisture resistance test requirements for appliances that incorporate an automatic cord reel and that have a second numeral IP rating;
 - o. Introduced the appliance test criteria for the moisture resistance for appliances and parts of appliances with integral pins for insertion into socket-outlets;
 - p. Introduced limits on the output voltage of an accessible safety extra-low voltage outlet or connector or universal serial bus (USB) under abnormal operation conditions;
 - q. Introduced requirements to cover optical radiation hazards;
 - r. Introduced a revamped normative Annex R software evaluation;

- s. Introduced in new normative Annex T UV-C radiation effect on non-metallic materials;
 - t. Introduced in new normative Annex U cyber security requirements to avoid unauthorized access and the effects of transmission failures via remote communication through public networks;
 - u. Introduced definitions relating to safety components (3.7);
 - v. Deletion of software Class C and software Class B;
 - w. Addition of definitions relating to battery charging and discharging and remote functionality (3.10, 3.11);
 - x. Introduced symbol for class III appliances, detachable power supply part (7.6);
 - y. Introduced requirements related to charging of metal-ion batteries (12);
 - z. Introduced rinsing agent in moisture resistance test (15.2);
 - aa. Changed relative humidity and temperature requirements in humidity test (15.3);
 - bb. Changed requirements for checking of electronic circuits (19.11);
 - cc. Introduced component requirements for telecommunication interface circuitry, thermal links, contactors and relays, lamps and lamp systems and cord sets (24.1.7, 24.1.8, 24.1.9, 24.1.10, 24.1.11).
4. The guidelines for implementation of the revised IS 302 (Part 1) : 2024/IEC 60335-1 : 2020 for Scheme – II is given below:

A. For existing licencees:

- (i) All existing licensees shall implement the revised IS 302 (Part 1): 2024/IEC 60335-1 : 2020 by the last date of implementation. Beyond the last date of implementation of IS 302 (Part 1): 2024/IEC 60335-1 : 2020, no licence shall be operative where compliance to IS 302 (Part 1) : 2024/IEC 60335-1 : 2020 has not been ensured by the licensee.
- (ii) Existing licensees shall ensure conformance to IS 302 (Part 1): 2024/IEC 60335-1 : 2020 through submission of complete test Report(s) issued by BIS recognized laboratory for all lead model(s) from existing scope of licence which had been previously tested as per IS 302 (Part 1) : 2008.
- (iii) Further, the licencees shall provide an undertaking stating that requirements of IS 302 (Part 1): 2024/IEC 60335-1: 2020 have been implemented in other existing series model(s) which are in the scope of the licence.
- (iv) If the licensee fails to complete all actions by the last date of implementation of IS 302 (Part 1): 2024/IEC 60335-1 : 2020, cancellation of the licence/ deletion of model from scope of the licence to be initiated.

B. For New Applicants:

- (i) New applications as per IS 302 (Part 1): 2008 are to be accepted upto one month before the last date of implementation of IS 302 (Part 1) : 2024/IEC 60335-1 : 2020.
- (ii) The existing applications which are under process as per IS 302 (Part 1): 2008 shall

be processed as per existing guidelines provided that the applicants submit an undertaking that they shall changeover to the revised IS 302 (Part 1) : 2024/IEC 60335-1 : 2020 before the last date of implementation.

- (iii) Beyond the last date of implementation of IS 302 (Part 1): 2024/IEC 60335-1 : 2020, no licence shall be granted as per old Standard.

C. For Change in Scope of Licence

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
- (ii) However, processing of requests for change in scope of licence as per old Standard shall be permitted only upto the date of switchover to the revised Standard by the licensee or up to the date of implementation of the revised Standard, whichever is earlier.

5. The above guidelines shall come into force with immediate effect.

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