

**भारतीय मानक ब्यूरो**  
**(केंद्रीय मुहर विभाग III)**

हमारा सन्दर्भ : कें. मु. वि. - III / 16 : आई एस 302 (भाग 2/ अनुभाग 21)

09 सितम्बर 2024

विषय : संशोधित आई एस 302 (भाग 2/ अनुभाग 21) : 2024/ आई ई सी 60335-2-21 : 2022 के अनुपालन हेतु दिशानिर्देश

यह उपरोक्त विषय के सन्दर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय / शाखा कार्यालयों से अनुरोध है के दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(पीयूष प्रकाश)

वैज्ञानिक - डी (सी एम डी-III)

**प्रमुख (सी एम डी-III)**

सभी क्षेत्रीय / शाखा कार्यालय

प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतु

**BUREAU OF INDIAN STANDARDS**  
**(CENTRAL MARKS DEPARTMENT III)**

Our Ref: CMD III/16: IS 302 (Part 2/Sec 21)

09 Sep 2024

Subject: Guidelines for implementation of revised IS 302 (Part 2/Sec 21) : 2024/IEC 60335-2-21 : 2022

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with-immediate effect.

Peeyush Prakash  
Sc.-D(CMD-III)

Head (CMD-III)

All ROs/ BOs

Copy to ITSD: for uploading on BIS intranet.

**CENTRAL MARKS DEPARTMENT III**

**Our Ref: CMD III/16: IS 302 (Part 2/Sec 21)**

**09 Sep 2024**

**Subject: Guidelines for implementation of revised IS 302 (Part 2/Sec 21) : 2024/IEC 60335-2-21 : 2022**

1. The existing IS 302-2-21 : 2018 ‘Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 21 Stationary Storage Type Electric Water Heaters (Second Revision)’ has been revised to IS 302 (Part 2/ Sec 21) : 2024/ IEC 60335-2-21 : 2022 ‘Household and Similar Electrical Appliances - Safety Part 2 Particular Requirements Section 21 Storage Water Heaters (Third Revision)’. The last date of concurrent running of both the Indian Standards is 18<sup>th</sup> February 2025 after which the existing IS 302-2-21 : 2018 shall stand withdrawn.
2. All the BOs shall inform the applicants and licencees of Storage Type Electric Water Heaters in their jurisdiction about implementation of the revised IS 302 (Part 2/ Sec 21) : 2024/ IEC 60335-2-21 : 2022 within a week of issuance of these guidelines.
3. The significant changes brought through this revision as listed in the Table is given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Indian Standard:

Sl.No.	Clause reference	Changes
a.	National Foreword	The cross-referred Indian Standard IS 302-1 : 2008 has been replaced with IS 302 (Part 1) : 2024/IEC 60335-1 : 2020;
b.	Cl. 1, Scope	Addition of direct current (DC) supplied appliances and battery-operated appliances;
c.	Cl. 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47, 22.104, Annex AA introduction	Some notes have been converted to normative text (Cl. 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47, 22.104, Annex AA introduction);
d.	Cl. 11.3, Table 101	Addition of requirements of the temperature rises of external accessible surfaces;
e.	Cl. 12	New requirement ‘charging of metal-ion batteries’ is introduced;
f.	Cl. 22.6	Clarification added that a drain hole needs to meet the minimum dimensions or it is considered to be blocked when determining compliance;
g.	Cl. 22.110	Addition of construction requirements for open-outlet water heaters having plastic containers. Requirements of material of the internal container of storage type water heaters has been deleted;
h.	Cl. 22.111	Modification in construction requirements of water heaters;
i.	Cl. 25.1	Updated requirement restricting use of appliance inlets;

j.	Figure 102	Figure of probe for measuring surface temperatures is added;
k.	Annex R and Annex AA	Modification in contents of Annex R and Annex AA

4. Consequent upon the publication of revised Standard, the existing Product Manual of the Standard has also been revised as **PM/IS 302-2-21/IEC 60335-2-21/3/September 2024**. In this revision, changes have been made in the Scope of licence, in grouping guidelines, in Scheme of Inspection and Testing (SIT), in Marking Requirements, and in Possible Tests in a Day.

5. The guidelines for implementation of the revised IS 302 (Part 2/ Sec 21) : 2024/IEC 60335-2-21 : 2022 are given below:

**A. For existing licencees:**

(i) Currently there are NIL licences as per IS 302-2-21 : 2018.

**B. For New Applicants:**

(i) Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per old Standard. However, if the Applicant is desirous of considering the Application as per the revised Standard , a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails as per revised Standard, Licence will not be granted as per old Standard.

(ii) Applications which are recorded henceforth may be processed as per old or revised Standard. Processing of Application as per old Standard shall be permitted only upto 18<sup>th</sup> February 2025 and for such cases, Applicant shall give a declaration that they will implement the revised Standard by 18<sup>th</sup> February 2025.

(iii) Beyond 18<sup>th</sup> February 2025 no Licence shall be granted as per old Standard.

**C. For Change in Scope of Licence**

(i) Currently there are NIL licences as per IS 302-2-21 : 2018.

(ii) For change in scope of licence post grant of licence for the product, the relevant provisions as given above for Applicants shall apply.

(iii) However, processing of such applicants for change in scope of licence as per old Standard shall be permitted only upto the date of implementation of the revised Standard by the licencee or upto 18<sup>th</sup> February 2025, whichever is earlier.

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

Peeyush Prakash  
Sc.-D

Head (CMD III)  
**DDG (Certification)**