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BUREAU OF INDIAN STANDARDS

MINUTES

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Electrical Appliances Sectional Committee, ETD 32	43 rd	Wednesday	03 October 2024	10:00 A.M	Lal C Verman Hall, Manak Bhawan, 9 Bahadur Shah Zafar Marg, New Delhi 110002

Chairman: Shri Atul Gupta, CEO Certification/Scientist 'G', STQC Directorate, MeitY

Member Secretary: Shri Tushar Sharma, Scientist-D, BIS

List of participants is enclosed at **Annex 1**.

Item 0 GENERAL

0.1 WELCOME AND OPENING REMARKS BY THE CHAIRMAN

Shri Tushar Sharma, Member Secretary ETD 32 welcomed everyone. He thanked everyone for participating in the meeting. He briefed the members on the various issues to be deliberated upon during the meeting and requested active participation of the members in the deliberations on various issues covered in the agenda.

Shri Atul Gupta, Chairperson, thanked and welcomed all the participants present in the meeting. He highlighted the critical importance of the committee and requested the committee members to have thorough but brief discussion on each and every agenda point to arrive at useful conclusions and resolve the issues. He also requested the members contributing in drafting the documents to stick to the decided timelines.

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 There being no comments, the minutes of the last meeting (42nd meeting) of Electrical Appliances Sectional Committee, ETD32 held on 04-06-2024, were confirmed.

Item 2 COMPOSITION OF ELECTRICAL APPLIANCES, SECTIONAL COMMITTEE, ETD 32

2.1 Committee noted the information given in the agenda. The committee decided to withdraw the membership of Indian Electrical and Electronics Manufacturers Association, New Delhi, due to their consistent absence from sectional committee meetings, and lack of participation.

2.2 Sector Wise Classification of ETD 32 Sectional Committee

Committee noted the information given in the agenda. Details of experts for standardization work in the corresponding sector/sub-sector, given by committee members, is given at **Annex 2**.

2.3 The committee considered and deliberated upon the co-option requests received. Co-option request of MANIT, Bhopal was accepted by the committee. Co-option requests of V-Guard Industries Ltd. and Franke Faber India Pvt Ltd were rejected by the committee, citing already substantial representation of industry in the committee composition. It was decided to explore in future the possibility of nominating members from these 2 organizations in the Working Panels/Working Groups under this committee.

Item 3 ACTIONS ARISING OUT OF PREVIOUS MEETING

Sl. No.	Item No. of last minutes	Item	Decision	Action Taken/Proposed	Decision of the committee
1.	3.1	Revision of IS 1416: 1972 -- Specification for stationary, portable single phase safety transformers with extra low output voltage with a rated supply voltage not exceeding 250 V and a rated output not exceeding 5 kVA.	It was decided to withdraw the ToR as well as this standard as Transformer Sectional Committee, ET 16 had published IS 61558(Part 2/Sec 6):1997 Safety of power Transformers, power supply unit and similar: Part 2 particular requirements, Section 6 Safety Isolating transformers for general use, which covers the requirements specified in IS 1416.	IS 1416 is withdrawn	Committee noted the information.
2.	3.3	Validation of New	It was decided to withdraw the ToR.	It is proposed that as the method is already	The committee agreed with the

		methodology of Endurance Testing of motors in IS 4250 “Specification For Electric Food – Mixers (Liquidizers And Grinders) & Centrifugal Juicers” and also suggest methodology for endurance testing of blades, couplers etc used in food mixers.	Central Lab, BIS will take up the validation exercise.	in use by industry, the same may presently be finalized in the IS 4250 draft already under consideration of the committee and modifications/updates, if any required, may be considered at a late date after the publication of revised IS 4250 and after generation of sufficient data via future testing of samples.	proposed action and decided to drop the validation exercise.
3.	3.4	Revision of IS 3588: 1987 -- Specification for electric axial flow fans.	Committee noted the information that proposals received for the project are under examination by Research Evaluation Committee	Proposals received against the project did not qualify. The committee may decide to re-host/withdraw the project.	Committee agreed on re-hosting the project.
4.	3.5	Revision of IS 4327: 1967 -- Specification for electric fans and regulators for use in ships	Committee agreed on re-hosting the R&D project.	Proposals received for the project are under examination by Research Evaluation Committee	Committee noted the information.
5.	3.6	Revision of IS 4894 :1987 -- Specification for centrifugal fans	Committee noted the information that proposals received for the project are under examination by Research Evaluation	The project has been awarded to Dr Ashish Raman, NIT, Jalandhar and his team	Committee noted the information.

			Committee		
6.	3.7	Revision of IS 5159: 1969 -- Specification for mains-Operated electric shavers.	Committee noted the information that the project has been awarded to Dr Vinay Pratap Singh, MNIT, Jaipur and his team	Dr Singh and his team have reported that literature review/survey and data collection under the project is approximately complete. Via e-mails. he has been asked to submit complete progress report as per BIS R&D guidelines, for thorough consideration of the committee.	Committee noted the information.
7.	3.8	Revision of IS 14144 :1994 -- Specification for Electric coffee makers	It was decided to withdraw the ToR. Intern in BIS is working on the revision of this IS.	Review report on revision by intern Miss Sohani Das is placed at Annex 6 for perusal and consideration. The committee may discuss.	The following team to review the report and submit their findings for revision of the IS: 1. Havells India Limited 2. BSH Household Appliances Manufacturing Private Limited 3. Philips India Limited
8.	3.9	Study the effect of air temperature and air Flow on human hairs for the Revision of IS	It was decided to withdraw the ToR. Revision of this IS based on IEC standard will be taken up.	The project has been withdrawn.	Committee noted the information.

		7154:1994-Hair Dryer Performance Standard.			
9.	3.10	ETD 32 (17877) (IS 302-2-2) Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 2 Vacuum Cleaners And Water-Suction Cleaning Appliances	Decision on this document deferred for next meeting.	Please see Item 5 of the minutes	Please see Item 5 of the minutes
10.	3.11	ETD 32 (17858) (IS 302-2-4) Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 4 Spin Extractors	Decision on this document deferred for next meeting.	Please see Item 5 of the minutes	Please see Item 5 of the minutes
11.	3.14	ETD 32 (17882) (IS 302-2-9) Safety of household and similar electrical appliances part 2 particular requirements section 9 particular requirements for grills toasters and similar portable	Decision on this document deferred for next meeting.	Please see Item 5 of the minutes	Please see Item 5 of the minutes

		cooking appliances			
12.	3.15	ETD 32 (17884) (IS 302-2-15) Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 15 Appliances for Heating Liquids	Decision on this document deferred for next meeting.	Please see Item 5 of the minutes	Please see Item 5 of the minutes
13.	3.16	ETD 32 (16833) (IS 14155) Domestic Electric Clothes Washing Machines for Household Use Specification	Under advanced stage of printing. The committee noted the information.	Under advanced stage of printing. The committee may note.	Committee noted the information.
14.	3.19	Revision of IS 2082: 2018: Stationery storage type electric water heaters	A panel for revision of IS 2082: 2018: Stationery storage type electric water heaters, was constituted with Shri P K Mukherjee as Convenor, and representatives of M/s Bajaj (Mr. Socratees C), M/s Racold (Mr. Abhijit Banshelkikar), M/s Havells (Mr. Brijesh Pratap Singh), M/s Venus (Mr. I. Ram	1st panel meeting of ETD 32 : P3 Panel was held on 08-08-2024. In said meeting it was decided that M/s Orient Electric (Mr. Bharat Satija) will work on developing a revision draft based on IEC 60379:2023 - Methods for measuring the performance of electric storage water heaters for household purposes. Shri Satija may	Shri Satija apprised the committee and informed that a draft has been prepared by M/s Orient Electric after consultation with M/s Racold. The committee decided that further discussions on the revision may be held in the next meeting of the ETD 32: P3

			<p>Kumar), M/s Crompton Greaves (Mr. Manjunatha AR), M/s Orient Electric (Mr. Bharat Satija), ERDA (Mr. Rakesh Patel) and Consumer VOICE (Mr. H. Wadhwa) – as members, with a 3-month time frame to submit revised draft.</p>	<p>apprise the committee regarding revision status update.</p>	<p>panel.</p>
15.	3.22	Review of IEC 60335 Series Standards	<p>In the absence of a report by the team, the comments given by M/s UL India and M/s Havells India Ltd. were discussed. Thereafter discussion was also held regarding adoption of drafts for revision of IS 302 (Part 1) and the IS 302 Part 2 sections, which are aligned with IS 60335-1:2020 (6th edition). A consensual decision was taken by the committee members that drafts for revision of IS 302 (Part 1) and the IS 302 Part 2 sections, which are aligned with IS 60335-1:2020 (6th edition) and for which Wide</p>	<p>In line with committee's decision, the following standards have been published:</p> <ol style="list-style-type: none"> 1. IS 302 (Part 1) : 2024 2. IS 302 (Part 2/Sec 3): 2024 3. IS 302 (Part 2/Sec 8): 2024 4. IS 302 (Part 2/Sec 13): 2024 5. IS 302 (Part 2/Sec 21): 2024 6. IS 302 (Part 2/Sec 42): 2024 7. IS 302 (Part 2/Sec 59): 2024 8. IS 302 (Part 2/Sec 74): 2024 <p>The committee may</p>	<p>Committee noted the information.</p> <p>It was decided that the newly published IS 302 (Part 1):2024 is to be circulated among all ETD 32 members.</p> <p>The committee, noting that the revision of IS 302 series standards via harmonization with IEC standards would take time, also recommended a concurrent running period of 2 years in case of the revised standards.</p>

			Circulation had been done and comments have been settled, are considered as finalized and are to be taken up for printing. Member secretary was authorised by the committee to make editorial changes in the finalized documents.	note.	
16.	4.10	ETD 32 (24047) Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 23 appliances for skin or hair care (First Revision) Amendment - 1	Decision was taken with reference to comments received. It was decided to finalize the document for printing as no technical changes were made in the document. Member secretary was authorised by the committee to make editorial changes in the finalized document.	Under advanced stage of printing. The committee may note.	Committee noted the information.
17.	4.32	ETD/32/23639 IS 6365: 1971 Specification for Laboratory Electric Ovens- First Revision	Decision taken with reference to comments received. It was decided to finalize the document for printing as no technical changes were made in the document. Member secretary was authorised by the committee to make	Under printing. The committee may note.	Committee noted the information.

			editorial changes in the finalized document		
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Item 4 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION

Sl. No.	Doc. No.	Title	Remarks	Decision of the committee
1.	ETD/32/23559 IS 4250: 1980	Specification for Electric Food Mixers Liquidizers and Grinders Centrifugal Juicers Second Revision	<p>Wide circulated on 13-09-2023.</p> <p>Comments received have been discussed in panel meetings dated 18-03-2024 and 03-04-2024. Draft for finalization is placed at Annex-7.</p> <p>It was decided in the last meeting that finalization of the document to be kept in abeyance. Industry to submit clear information regarding their stand on provisions of Cl. 20.101 to 20.116 of IS 302-2-14. Final decision to be taken after the same.</p> <p>Industry had submitted their stand via e-mail regarding Clause B.2 of the draft, which is the following:</p> <p><i>B.2 Stability and mechanical hazards:</i></p> <p><i>The relevant provisions of 20 of IS 302 (Part 2/Sec 14) shall apply except that the test probe test specified at 20.2, 20.104, 20.112, 20.113</i></p>	<p>During the discussions, industry representatives accepted the importance of, as well as agreed for complete implementation of safety features, such as those given in clause 20 of IS 302 (Part 2/Sec 14), in their products. However, owing to major consequential design changes in their products due to some of the subclauses under Clause 20, they stated that immediate implementation of such subclauses would not be practical. Thus, the committee, after detailed deliberations and discussions, finalized the document for printing.</p> <p>The finalized text of B.2 was decided as follows:</p> <p><i>“B.2 Stability and mechanical hazards:</i></p> <p>The relevant provisions of 20 of IS 302 (Part 2/Sec 14) shall apply, except that tests specified at 20.104, 20.112, 20.113 and 20.114 of IS 302 (Part 2/Sec 14) shall be</p>

			<p>and 20.114 of IS 302 (Part 2/Sec 14) is carried out with the lid placed on the bowl and the bowl placed on the pedestal.</p> <p>Based on this, committee may take final decision.</p>	<p>kept in abeyance for a period of 36 months from the date of publication of this standard.”</p> <p>Member secretary was authorised by the committee to make editorial changes in the finalized document.</p>
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Item 5 DRAFTS TO BE WITHDRAWN

Sl. No.	Doc. No.	Title	Remarks	Decision of the committee
1.	ETD 32 (17877) (Revision of IS 302-2-2)	Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 2 Vacuum Cleaners And Water-Suction Cleaning Appliances	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
2.	ETD 32 (17858) (Revision of IS 302-2-4)	Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 4 Spin Extractors	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.

3.	ETD 32 (17882) (Revision of IS 302-2-9)	Safety of household and similar electrical appliances part 2 particular requirements section 9 particular requirements for grills toasters and similar portable cooking appliances	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
4.	ETD 32 (17884) (Revision of IS 302-2-15)	Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 15 Appliances for Heating Liquids	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
5.	(ETD/32/22294) Revision of IS 302: Part 2: Sec 2: 1997 (Identical to: IEC 60335-2-2: 2019)	Household and similar electrical appliances Safety Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
6.	(ETD/32/22296) Revision of IS 302: Part 2: Sec 4: 1993	Household and similar	Wide circulated on	The committee, after

	(Identical to: IEC 60335-2-4:2021)	electrical appliances Safety Part 2-4: Particular requirements for spin extractors	20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	deliberations, agreed with the proposal and decided to drop the document.
7.	(ETD/32/22186) Revision of IS 302: Part 2: Sec 6: 2009 (Identical to: IEC 60335-2-6: 2018 (Ed. 6.1))	Household and similar electrical appliances Safety Part 2-6: Particular requirements for stationary cooking ranges hobs ovens and similar appliances	Wide circulated on 03-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
8.	(ETD/32/22297) Revision of IS 302: Part 2: Sec 7: 2010 (Identical to: IEC 60335-2-7:2019)	Household and similar electrical appliances Safety Part 2-7: Particular requirements for washing machines	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.

9.	(ETD/32/22298) Revision of IS 302: Part 2: Sec 9: 2009 (Identical to: IEC 60335-2-9:2019)	Household and similar electrical appliances Safety Part 2-9: Particular requirements for grills toasters and similar portable cooking appliances	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
10.	(ETD/32/22299) Revision of IS 302: Part 2: Sec 11: 1994 (Identical to: IEC 60335-2-11:2019)	Household and similar electrical appliances Safety Part 2-11: Particular requirements for tumble dryers	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
11.	(ETD/32/22300) Revision of IS 302: Part 2: Sec 12: 1993 (Identical to: IEC 60335-2-12:2002+AMD1:2008 +AMD2:2017)	Household and similar electrical appliances Safety Part 2-12: Particular requirements for warming plates and similar appliances	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-	The committee, after deliberations, agreed with the proposal and decided to drop the document.

			6.0.	
12.	(ETD/32/22187) Revision of IS 302: Part 2: Sec 14: 2009 (Identical to: IEC 60335-2-14: 2019 (Ed. 6.1))	Household and similar electrical appliances Safety Part 2-14: Particular requirements for kitchen machines	Wide circulated on 03-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
13.	(ETD/32/22307) Revision of IS 302: Part 2: Sec 15: 2009 (Identical to: IEC 60335-2-15:2012+AMD1:2016 +AMD2:2018)	Household and similar electrical appliances Safety Part 2-15: Particular requirements for appliances for heating liquids	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
14.	(ETD/32/22312) Revision of IS 302: Part 2: Sec 23: 2009 (Identical to: IEC 60335-2-23:2016+AMD1:2019)	Household and similar electrical appliances Safety Part 2-23: Particular requirements for appliances for skin or hair care	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is	The committee, after deliberations, agreed with the proposal and decided to drop the document.

			not aligned with IEC 60335-1, Ed-6.0.	
15.	(ETD/32/22315) Revision of IS 302: Part 2: Sec 24: 1994 (Identical to: 60335-2-24:2020)	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances ice-cream appliances and ice makers	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
16.	(ETD/32/22193) Revision of IS 302: Part 2: Sec 25: 2014 (Identical to: 60335-2-25: 2020 (Ed. 7.0))	Household and similar electrical appliances Safety Part 2-25: Particular requirements for microwave ovens including combination microwave ovens	Wide circulated on 03-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
17.	(ETD/32/22207) Revision of IS 302: Part 2: Sec 26: 2014 (Identical to: 60335-2-26:2008 (Ed. 4.1))	Household and similar electrical appliances- Safety Part 2-26: Particular requirements for clocks	Wide circulated on 03-04-2023. The harmonised draft circulated to	The committee, after deliberations, agreed with the proposal and decided to drop the document.

			WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	
18.	(ETD/32/22208) Revision of IS 302: Part 2: Sec 30: 2007 (Identical to: 60335-2-30:2021 (Ed. 5.2))	Household and similar electrical appliances Safety Part 2-30: Particular requirements for room heaters	Wide circulated on 03-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
19.	(ETD/32/22314) Revision of IS 302: Part 2: SEC 31: 2009 (Identical to: IEC 60335-2-31:2012+AMD1:2016 +AMD2:2018)	Household and similar electrical appliances Safety Part 2-31: Particular requirements for range hoods and other cooking fume extractors	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
20.	(ETD/32/22295) Revision of IS 302: Part 2: Sec 32: 1994 (Identical to: 60335-2-32:2019)	Household and similar electrical appliances - Safety - Part 2-32: Particular	Wide circulated on 20-04-2023. The harmonised draft	The committee, after deliberations, agreed with the proposal and decided to drop

		requirements for massage appliances	circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	the document.
21.	(ETD/32/22301) Revision of IS 302: Part 2: Sec 35: 2017 (Identical to: 60335-2-35:2012+AMD1:2016+AMD2:2020)	Household and similar electrical appliances Safety Part 2-35: Particular requirements for instantaneous water heaters	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
22.	(ETD/32/22305) Revision of IS 302: Part 2: Sec 45: 1994 (Identical to: 60335-2-45:2002+AMD1:2008+AMD2:2011)	Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
23.	(ETD/32/22309) Revision of IS 302: Part 2: Sec 75: 2018 (Identical to: 60335-2-75:2012+AMD1:2015+AMD2:2018)	Household and similar electrical appliances - Safety - Part 2-75:	Wide circulated on 20-04-2023. The harmonised	The committee, after deliberations, agreed with the proposal and decided to drop

		Particular requirements for commercial dispensing appliances and vending machines	draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	the document.
24.	(ETD/32/22311) Revision of IS 302: Part 2: Sec 76: 1999 (Identical to: 60335-2-76:2018)	Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.
25.	(ETD/32/22313) Revision of IS 302: Part 2: Sec 80: 2017 (Identical to: 60335-2-80:2015)	Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans	Wide circulated on 20-04-2023. The harmonised draft circulated to WC may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.	The committee, after deliberations, agreed with the proposal and decided to drop the document.

Item 6 DRAFTS UNDER PREPARATION

Sl. No.	Document	Title	Remarks	Decision of the committee
1.	ETD/32/26293 Revision of IS 5790	Specification for domestic electric cooking ovens	P-draft was circulated on 02-08-2024. Comments received are placed at Annex-8 . The committee may discuss.	The following team to resolve the comments received and submit draft for next stage after modifications within 2 months: 1. Havells India Limited 2. Consumer Voice 3. Orient Electric Limited 4. BSH Household Appliances Manufacturing Private Limited 5. Shri P.K. Mukherjee
2.	ETD/32/26291 Revision of IS 11676	Microwave ovens for household and similar purposes - Specification.	P-draft was circulated on 01-08-2024. Comments received are placed at Annex-9 . The committee may discuss.	The following team to resolve the comments received and submit draft for next stage after modifications within 2 months: 1. Samsung India Electronics Private Limited 2. BSH Household Appliances Manufacturing Private Limited 3. UL India Private Limited 4. Consumer Voice
3.	ETD/32/26294	Electric Dishwasher for Household Use	P-draft was circulated on 02-08-2024. Comments received are placed at Annex-10 . The committee may discuss.	The following team to resolve the comments received and submit draft for next stage after modifications within 2 months: 1. M/s UL India

				2. M/s Samsung India
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Item 7 PRESENT POSITION OF WORK OF ETD 32

7.1 Committee noted the information given in the agenda.

7.2 Review of Standards - Taking up Revision of pre-2000 standards

Status of revision of pre-2000 published standards discussed during the last meeting is given below:

Sl No.	IS No.	Title	Decision taken during 42 nd meeting of ETD 32	Status/Remarks	Decision taken by the committee
1.	IS 365 : 1983	Specification for electric hot plates (Second Revision)	M/s Orient Electric to study its relevance, in light of publication of IS 19014 : 2022 Household Electric Cooking Appliances - Performance Requirements of Electric Hobs	Member has remarked via e-mail that "I have gone through it and all the relevant clauses required in IS 365:1983 are covered in IS 19014:2022. We can archive the standard, IS 365:1983." The committee may consider archiving the standard.	The committee, after extensive discussions and deliberations, decided to archive the standard.
2.	IS 366 : 1991	Electric iron - Specification (Fourth Revision)	It was decided that a team of M/s Philips , M/s Havells and M/s Bajaj will provide the draft for revision of this standard within 3 months.	Review report on revision by intern Mr. Kinshuk Datta is placed at Annex 6 and was shared with concerned members.	It was decided that the team will provide the revised draft for revision of this standard within 2 months.

				Member(s) to update and provide the draft	
3.	IS 367 : 1993	Electric kettles and jugs for household and similar use - Specification (Fourth Revision)	It was decided that a team of M/s Philips , M/s Havells and M/s Bajaj will provide the draft for revision of this standard within 3 months.	Review report on revision by intern Mr. Kinshuk Datta is placed at Annex 6 and was shared with concerned members. Member(s) to update and provide the draft	It was decided that the team will provide the revised draft for revision of this standard within 2 months.
4.	IS 555 : 1979	Specification for electric table type fans and regulators (Third Revision)	It was decided that IFMA will provide the draft for revision of this standard within 1 month.	Review report on revision and draft by intern Mr. Manish Kumar is placed at Annex 6 and was shared with IFMA. Member has remarked recently via e-mail that “We will share the drafts for revision of IS 555 and IS 1169 soon” Member(s) to update and provide the draft	The following team to review the draft submitted by IFMA and submit their findings for revision of the IS within 1 month: 1. Bajaj Electricals Limited 2. Atomberg Technologies Private Limited 3. Crompton Greaves

5.	IS 959 : 1994	Specification for electric soldering irons (Third Revision)	The committee decided to archive the standard.	Archived	Committee noted the information.
6.	IS 1169 : 1967	Specification for electric pedestal type fans and regulators (First Revision)	It was decided that IFMA will provide the draft for revision of this standard in 3 months time.	Review report on revision and draft by intern Mr. Manish Kumar is placed at Annex 6 and was shared with IFMA. Member has remarked recently via e-mail that “We will share the drafts for revision of IS 555 and IS 1169 soon” Member(s) to update and provide the draft	The following team to review the draft submitted by IFMA and submit their findings for revision of the IS within 1 month: 1. Bajaj Electricals Limited 2. Atomberg Technologies Private Limited 3. Crompton Greaves
7.	IS 1287 : 1993	Electric toasters - Specification (Third Revision)	It was decided that M/s Philips , will provide the draft for revision of this standard within 2 months.	Member(s) to update and provide the draft	It was decided that M/s Philips , will provide the draft for revision of this standard within 3 weeks.
8.	IS 1415 : 1966	Specification for electric hand - Lamps (Revised)	Noted that it will be taken up in the upcoming meeting of ETD in July 2024 for final decision on withdrawal.	IS 1415 has been withdrawn.	Committee noted the information.

9.	IS 1416 : 1972	Specification for safety transformers (First Revision)	It was decided to withdraw this standard as Transformer Sectional Committee, ET 16 had published IS 61558(Part 2/Sec 6):1997 Safety of power Transformers, power supply unit and similar: Part 2 particular requirements, Section 6 Safety Isolating transformers for general use.	IS 1416 has been withdrawn.	Committee noted the information.
10.	IS 2082 : 2018	Stationary storage type electric water heaters - Specification (Fifth Revision)	A panel for revision of IS 2082: 2018: Stationery storage type electric water heaters, was constituted with Shri P K Mukherjee as Convenor, and representatives of M/s Bajaj (Mr. Socrates C), M/s Racold (Mr. Abhijit Banshelkikar), M/s Havells (Mr. Brijesh Pratap Singh), M/s Venus (Mr. I. Ram Kumar), M/s Crompton Greaves (Mr. Manjunatha AR), M/s Orient Electric (Mr. Bharat Satija), ERDA (Mr. Rakesh Patel) and Consumer VOICE (Mr. H. Wadhwa) – as members, with a 3-month time frame to submit revised draft.	1st panel meeting of ETD 32 : P3 Panel was held on 08-08-2024. In said meeting it was decided that M/s Orient Electric (Mr. Bharat Satija) will work on developing a revision draft based on IEC 60379:2023 - Methods for measuring the performance of electric storage water heaters for household purposes. Shri Satija may apprise the committee regarding revision status update.	Shri Satija apprised the committee and informed that a draft has been prepared by M/s Orient Electric after consultation with M/s Racold. The committee decided that further discussions on the revision may be held in the next meeting of the ETD 32: P3 panel.

11.	IS 2268 : 1994	Electrical call bells and buzzers for indoor use - Specification (Third Revision)	It was decided that M/s UL India will provide the draft for revision of this standard within 1 month.	Member(s) to update and provide the draft	It was decided to circulate the draft provided by M/s UL India as P-draft for 1 month for comments.
12.	IS 2312 : 1967	Specification for propeller type AC ventilating fans (First Revision)	It was decided that IFMA will provide the draft for revision of this standard within 1 month.	Member(s) to update and provide the draft	It was decided that IFMA will provide the draft for revision of this standard within 1.5 months.
13.	IS 2994 : 1992	Electric stoves - Specification (Second Revision)	The committee decided to archive the standard.	Archived	Committee noted the information.
14.	IS 2997 : 1964	Specification for air circulator type electric fans and regulators	It was decided that IFMA will provide the draft for revision of this standard within 2 months.	Member(s) to update and provide the draft	It was decided that IFMA will provide the draft for revision of this standard within 1.5 months.
15.	IS 3412 : 1994	Electric water boilers - Specification (Second Revision)	The committee decided to archive the standard.	Archived	Committee noted the information.
16.	IS 3481 : 1966	Specification for electric portable lamp stands and brackets	The committee decided to archive the standard.	Archived	Committee noted the information.

17.	IS 3588 : 1987	Specification for electric axial flow fans (First Revision)	IFMA will check whether it can take up work for revision of this standard .	Member(s) to update and provide the status	IFMA informed that it cannot take up work for revision of this standard. Committee decided for revision of this IS via the R&D project route.
18.	IS 3963 : 1987	Specification for roof extractor units (First Revision)	The committee noted that Reply from MED is awaited regarding transfer of this standard.	Reply from MED is awaited	Committee noted the information.
19.	IS 4250 : 1980	Specification for domestic electric food - Mixers (Liquidizers And Grinders) (First Revision)	It was decided that finalization of the document to be kept in abeyance. Industry to submit clear information regarding their stand on provisions of Cl. 20.101 to 20.116 of IS 302-2-14. Final decision to be taken after the same.	Please see Item 4.1	Please see Item 4.1
20.	IS 4327 : 1967	Specification for electric fans and regulators for use in ships	IFMA will check whether it can take up work for revision of this standard .	Member(s) to update and provide the status	IFMA informed that it cannot take up work for revision of this standard. Committee decided for revision of this IS via the R&D project route.

21.	IS 4894 : 1987	Specification for centrifugal fans (First Revision)	IFMA will check whether it can take up work for revision of this standard .	Member(s) to update and provide the status	IFMA informed that it cannot take up work for revision of this standard. Committee decided for revision of this IS via the R&D project route.
22.	IS 6390 (Part 2) : 1992	Domestic electrical clothes washing machines - Specification: Part 2 requirements for tumbler dryers	It was decided that M/s BSH and M/s Consumer VOICE will provide the draft for revision of this standard within 3 months.	Member(s) to update and provide the draft	It was decided that M/s BSH and M/s Consumer VOICE will provide the draft for revision of this standard within 1 month.
23.	IS 7154 : 1994	Mains operated electric hair dryers (First Revision)	The committee decided that revision based on IEC standard will be taken up.	Review report on revision and draft by intern Mr. Omkar Lakeshri is placed at Annex 6 for perusal and consideration. The committee may discuss.	CEAMA to review the report and draft and submit their findings for revision of the IS within 1 month.
24.	IS 7603 : 1975	Specification for portable low speed food grinding machines	It was decided that M/s BSH will provide the draft for revision of this standard within 3 months.	Member(s) to update and provide the draft	It was decided to circulate the draft provided by M/s BSH as P-draft for 1 month for comments.

25.	IS 8506 : 1977	Specification for laboratory electrical resistance furnaces	The committee decided to archive the standard.	Archived	Committee noted the information.
26.	IS 8978 : 1992	Specification for electric instantaneous water heaters (Second Revision)	It was decided that M/s Crompton Greaves will provide the draft for revision of this standard within 1 month.	Member(s) to update and provide the draft	ETD 32 : P3 Panel to review the draft submitted M/s Crompton Greaves and submit their findings for revision of the IS within 1.5 months
27.	IS 11676 : 1995	Microwave ovens for household and similar purposes - Specification (First Revision)	It was decided to circulate the draft document as P-draft for 1 month for comments.	P-draft was circulated on 01-08-2024. Comments received are placed at Annex-9. The committee may discuss.	The following team to resolve the comments received and submit draft for next stage after modifications within 2 months: 1. Samsung India Electronics Private Limited 2. BSH Household Appliances Manufacturing Private Limited 3. UL India Private Limited 4. Consumer Voice

28.	IS 6272 : 1987	Specification for industrial cooling fans (Man Coolers) (First Revision)	IFMA will check whether it can take up work for revision of this standard .	Member(s) to update and provide the status	IFMA informed that it cannot take up work for revision of this standard. The committee, after extensive discussions and deliberations, decided to archive the standard.
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7.3 Progress as per Annual Programme for Standardization for the year 2024-25

S.No	Committee No	IS No/SUBJECT	NEW/REVISION	Status/proposal	Decision of the committee
1.	ETD 32	Household and similar electrical appliances - Safety - Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines	NEW	In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-x international standards, which is aligned with IEC 60335-1:2020, may be proceeded with, for Sl. Nos. 1 to 18.	The committee agreed with the proposal and decided for adoption of corresponding IEC 60335-2-x international standards, which are aligned with IEC 60335-1:2020, as per due procedure, for Sl. Nos. 1 to 18.
2.	ETD 32	Household and similar electrical appliances - Safety - Part 2-17: Particular	NEW		

		requirements for blankets, pads, clothing and similar flexible heating appliances			
3.	ETD 32	Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements	NEW		
4.	ETD 32	Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods	NEW		
5.	ETD 32	Household and similar electrical	NEW		

		appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans			
6.	ETD 32	Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans	NEW		
7.	ETD 32	Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters	NEW		
8.	ETD 32	Household and similar electrical	NEW		

		appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm			
9.	ETD 32	Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam	NEW		
10.	ETD 32	Household and similar electrical appliances - Safety - Part 2-64: Particular requirements for	NEW		

		commercial electric kitchen machines			
11.	ETD 32	Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers	NEW		
12.	ETD 32	Household and similar electrical appliances - Safety - Part 2-114: Particular requirements for Personal-e-Transporters	NEW		
13.	ETD 32	Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances	NEW		
14.	ETD 32	Household and similar electrical appliances -	NEW		

		Safety - Part 2-28: Particular requirements for sewing machines			
15.	ETD 32	Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers	NEW		
16.	ETD 32	Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers	NEW		
17.	ETD 32	Household and similar electrical appliances - Safety - Part 2-98: Particular requirement	NEW		

		s for humidifiers			
18.	ETD 32	Safety and Performance of Electrically operated toothbrushes for household and similar purposes	NEW		
19.	ETD 32	Household and similar electrical appliances Safety Part 2-42: Particular requirements for commercial electric forced convection ovens steam cookers and steam-convection ovens	NEW	Published as IS 302 (Part 2/Sec 42): 2024	Committee noted the information.
20.	ETD 32	Household And Similar Electrical Appliances Safety Part 2-74: Particular requirements for portable	NEW	Published as IS 302 (Part 2/Sec 74): 2024	Committee noted the information.

		immersion heaters			
21.	ETD 32	IS 302 : Part 2 : Sec 202 : 1992 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 202 electric stoves	Revision	<p>Review report on revision and draft by intern Mr. Omkar Lakeshri is placed at Annex 6 for perusal and consideration.</p> <p>The committee may discuss.</p>	M/s Dyson to review the report and draft and submit their findings for revision of the IS within 2 months.
22.	ETD 32	IS 302 : Part 2 : Sec 204 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 204 electric water boilers	Revision	<p>Review report on revision and draft by intern Mr. Prateek is placed at Annex 6 for perusal and consideration.</p> <p>The committee may discuss.</p>	The committee, after extensive discussions and deliberations on the report, decided to archive the standard.
23.	ETD 32	IS 302 : Part 2 : Sec 11 : 1994 Safety of household and similar electrical appliances: Part 2	Revision	IEC 60335-2-11:2024 has been recently published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

		particular requirements: Sec 11 tumbler dryers		corresponding IEC 60335-2-11 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with, as per due procedure.	
24.	ETD 32	IS 302 : Part 2 : Sec 13 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 13 frying pans, deep fat fryers and similar appliances	Revision	Revised to IS 302 (Part 2/Sec 13): 2024	Committee noted the information.
25.	ETD 32	IS 302 : Part 2 : Sec 201 : 2008 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 201 electric immersion water heaters	Revision	Superseded by recently published IS 302 (Part 2/Sec 74): 2024	Committee noted the information.

26.	ETD 32	IS 302 : Part 1 : 2008 Safety of household and similar electrical appliances: Part 1 general requirements	Revision	Revised to IS 302 (Part 1): 2024	Committee noted the information.
27.	ETD 32	IS 302 : Part 2 : Sec 21 : 2018 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 21 stationary storage type electric water heaters	Revision	Revised to IS 302 (Part 2/Sec 21): 2024	Committee noted the information.
28.	ETD 32	IS 302 : Part 2 : Sec 26 : 2014 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 26 clocks	Revision	IEC 60335-2-26:2024 has been recently published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-26 international standard, which is	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

				aligned with IEC 60335-1:2020, may be proceeded with, as per due procedure	
29.	ETD 32	IS 302 : Part 2 : Sec 2 : 1997 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 2 vacuum cleaners and water suction cleaning appliances	Revision	In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-2 international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with, as per due procedure.	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.
30.	ETD 32	IS 302 : Part 2 : Sec 25 : 2014 Safety of household and similar electrical appliances: Part 2 Particular requirements: Section 25 Microwave ovens	Revision	IEC 60335-2-25:2024 has been recently published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-25 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with, as per due procedure.	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.
31.	ETD 32	IS 302 : Part 2 : Sec 12 : 1993	Revision	IEC 60335-2-12:2024 has been recently	The committee agreed with the

		Safety of household and similar electrical appliances - Specification: Part 2 particular requirements: Sec 12 warming plates and similar appliances		published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-12 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with, as per due procedure.	proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.
32.	ETD 32	IS 302 : Part 2 : Sec 203 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 203 electric call bells and buzzers for indoor use	Revision	Action Research Project in progress	Committee noted the information.
33.	ETD 32	IS 302 : Part 2 : Sec 32 : 1994 Safety of household and similar electrical appliances: Part 2 particular	Revision	IEC 60335-2-32:2024 has been recently published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

		requirements: Sec 32 massage appliances		corresponding IEC 60335-2-32 international standard, which is aligned with IEC 60335- 1:2020, may be proceeded with, as per due procedure.	
34.	ETD 32	IS 302 : Part 2 : Sec 4 : 1993 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 4 spin extractors	Revision	IEC 60335-2-4:2023 has been recently published. In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-4 international standard, which is aligned with IEC 60335- 1:2020, may be proceeded with, as per due procedure.	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.
35.	ETD 32	IS 302 : Part 2 : Sec 45 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 45 electric heating tools	Revision	In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-45 international standard, which is aligned with IEC 60335- 1:2020, whenever available, may be proceeded with, as per due procedure.	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.
36.	ETD 32	IS 302 : Part 2 : Sec 46 :	Revision	Superseded by recently published IS 302 (Part	Committee noted the information.

		1993 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 46 electric steam cookers		2/Sec 42): 2024	
37.	ETD 32	IS 302 : Part 2 : Sec 59 : 1999 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 59 insect killers	Revision	Revised to IS 302 (Part 2/Sec 59): 2024	Committee noted the information.
38.	ETD 32	IS 302 : Part 2 : Sec 76 : 1999 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 76 electric fence energizers	Revision	In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, adoption of corresponding IEC 60335-2-76 international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with, as per	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

				due procedure.	
39.	ETD 32	IS 302 : Part 2 : Sec 206 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 206 electric coffee makers	Revision	Review report on revision by intern Miss Sohani Das is placed at Annex 6 for perusal and consideration. The committee may discuss.	M/s Philips to review the report and submit their findings for revision of the IS within 45 days. The same will be discussed in the next meeting.
40.	ETD 32	IS 302 : Part 2 : Sec 207 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 207 electric hot plates	Revision	Hotplates are covered under IS 302-2-9:2009. Hence this standard may be considered for withdrawal.	The committee, after extensive discussions and deliberations on the IS, decided to withdraw the standard.
41.	ETD 32	IS 1169 : 1967 Specification for electric pedestal type fans and regulators	Revision	IFMA	The following team to review the draft submitted by IFMA and submit their findings for revision of the IS within 1 month: 1. Bajaj Electricals

					Limited 2.Atomberg Technologies Private Limited 3.Crompton Greaves
42.	ETD 32	IS 2997 : 1964 Specification for air circulator type electric fans and regulators	Revision	IFMA	It was decided that IFMA will provide the draft for revision of this standard within 1.5 months.
43.	ETD 32	IS 366 : 1991 Electric iron - Specification	Revision	M/s Philips , M/s Havells and M/s Bajaj + Intern	It was decided that the team will provide the revised draft for revision of this standard within 2 months.
44.	ETD 32	IS 5161 : 1969 Specification for flexible electric heating pads for domestic use	Revision	Action Research Project in progress	Committee noted the information.
45.	ETD 32	IS 6390 : Part 2 : 1992 Domestic electrical clothes washing machines - Specification: Part 2 requirements for tumbler	Revision	M/s BSH + M/s Consumer VOICE	It was decided that M/s BSH and M/s Consumer VOICE will provide the draft for revision of this standard within 1 month.

		dryers			
46.	ETD 32	IS 6446 : 1986 Specification for mica insulated heating elements	Revision	Action Research Project in progress	Committee noted the information.
47.	ETD 32	IS/IEC 60730 : PART 1 : 1999 Automatic electrical controls for household and similar use : part 1 General Requirements	Revision	IEC 60730-1:2022 has been published. This standard may be revised via adoption to align Indian norms on automatic electric controls to latest international norms.	The committee agreed with the proposal.
48.	ETD 32	IS 4250 : 1980 Specification for domestic electric food - Mixers (Liquidizers And Grinders)	Revision	SC/Panel	Please see Item 4.1
49.	ETD 32	IS 368 : 2014 Electric immersion water heaters - Specification	Revision	Review report on revision and draft by intern Mr. Prateek is placed at Annex 6 for perusal and consideration. The committee may discuss.	The following team to review the report and draft submitted and submit their findings for revision of the IS within 2 months: 1. Bajaj Electricals

					<p>Limited</p> <p>2.Consumer Voice</p> <p>3.Crompton Greaves</p> <p>4.Electrical Research and Development Association</p> <p>5.Havells India Limited</p> <p>6.Orient Electric Limited</p> <p>7.Racold Thermo Limited</p> <p>8.Venus Home Appliances Private Limited</p> <p>9.UL India Private Limited</p> <p>10.Dyson Technology India Pvt Ltd</p> <p>11. P.K. Mukherjee</p>
50.	ETD 32	IS 369 : 2019 Household electric direct - Acting room heaters - Performance requirements	Revision	<p>Review report on revision and draft by intern Miss Mansi Lasne is placed at Annex 6 for perusal and consideration.</p> <p>The committee may discuss.</p>	<p>The following team to review the report and draft submitted and submit their findings for revision of the IS within 2 months:</p> <p>1.Bajaj Electricals</p>

					<p>Limited</p> <p>2.Consumer Voice</p> <p>3.Crompton Greaves</p> <p>4.Electrical Research and Development Association</p> <p>5.Havells India Limited</p> <p>6.Orient Electric Limited</p> <p>7.Racold Thermo Limited</p> <p>8.Venus Home Appliances Private Limited</p> <p>9.UL India Private Limited</p> <p>10.Dyson Technology India Pvt Ltd</p> <p>11. P.K. Mukherjee</p>
51.	ETD 32	IS 374 : 2019 Specification for electric ceiling type fans and regulators	Revision	SC/Panel	A panel for revision of IS 374 : 2019 Specification for electric ceiling type fans and regulators, was constituted with Shri P K Mukherjee as

					Convenor, and representatives of IFMA (Shri Ravinder Gambhir/Alternative), ERDA (Mr. Rakesh Patel), CPRI (Shri D. Venkatesh) and Consumer VOICE (Mr. H. Wadhwa) – as members, with a 2-month time frame to submit revised draft.
52.	ETD 32	IS 2082 : 2018 Stationary storage type electric water heaters - Specification	Revision	Panel work in progress	Committee noted the information.
53.	ETD 32	IS/IEC 60730 : Part 2 : Sec 9 : 2011 Automatic Electrical Controls for Household and Similar Use Part 2 Particular Requirements Section 9 Temperature Sensing Controls	Revision	IEC 60730-2-9:2015+AMD1:2018+AMD2:2020 CSV has been published. This standard may be revised via adoption to align Indian norms on automatic electric controls to latest international norms.	The committee agreed with the proposal.

54.	ETD 32	IS 13850 : 1993 Dish washing machine, heavy duty, ratchet type - Specificatio n	Revision	Review report on revision and draft by intern Miss Mansi Lasne is placed at Annex 6 for perusal and consideration. The committee may discuss.	M/s UL India and M/s Samsung to review the report and draft and submit their findings for revision of the IS within 45 days.
55.	ETD 32	IS 14144 : 1994 Electric coffee makers	Revision	Review report on revision by intern Miss Sohani Das is placed at Annex 6 for perusal and consideration. The committee may discuss.	The following team to review the report and submit their findings for revision of the IS: 1. Havells India Limited 2. BSH Household Appliances Manufacturing Private Limited 3. Philips India Limited
56.	ETD 32	IS 1287 : 1993 Electric toasters - Specificatio n	Revision	M/s Philips	It was decided that M/s Philips , will provide the draft for revision of this standard within 3 weeks.
57.	ETD 32	IS 367 : 1993 Electric kettles and jugs for household and similar use - Specificatio n	Revision	M/s Philips , M/s Havells and M/s Bajaj + Intern	It was decided that the team will provide the revised draft for revision of this standard within 2 months.

58.	ETD 32	IS 7154 : 1994 Mains operated electric hair dryers	Revision	Review report on revision and draft by intern Mr. Omkar Lakeshri is placed at Annex 6 for perusal and consideration. The committee may discuss.	CEAMA to review the report and draft and submit their findings for revision of the IS within 1 month.
59.	ETD 32	IS 365 : 1983 Specification for electric hot plates	Revision	M/s Orient Electric	The committee, after extensive discussions and deliberations, decided to archive the standard.
60.	ETD 32	IS 2268 : 1994 Electrical call bells and buzzers for indoor use - Specification	Revision	M/s UL India	It was decided to circulate the draft provided by M/s UL India as P- draft for 1 month for comments.
61.	ETD 32	IS 2994 : 1992 Electric stoves - Specification	Archived		Committee noted the information.
62.	ETD 32	IS 10436 : 1983 Specification for electric frying pans and deep fat fryers	Archived		Committee noted the information.
63.	ETD 32	IS 13368 : 1992 Method of centrifugal test for double inlet	Archived		Committee noted the information.

		fans (Industrial Type)			
64.	ETD 32	IS 13588 : 1993 Spring - Operated impact - Test apparatus and its calibration - Specification	Archived		Committee noted the information.
65.	ETD 32	IS 13886 : 1993 Specification for bimetallic thermostats and thermal cutouts for use with electric iron	Archived		Committee noted the information.
66.	ETD 32	IS 1401 : 2008 Protection of persons and equipment by enclosures - Probes for verification	Archived		Committee noted the information.
67.	ETD 32	IS 14145 : 1994 Mains operated clocks specification	Archived		Committee noted the information.
68.	ETD 32	IS 302 : Part 2 : Sec 208 : 1994 Safety	Archived		Committee noted the information.

		of household and similar electrical appliances: Part 2 particular requirements: Sec 208 single walled baking ovens			
69.	ETD 32	IS 3412 : 1994 Electric water boilers - Specification	Archived		Committee noted the information.
70.	ETD 32	IS 3481 : 1966 Specification for electric portable lamp stands and brackets	Archived		Committee noted the information.
71.	ETD 32	IS 959 : 1994 Specification for electric soldering irons	Archived		Committee noted the information.
72.	ETD 32	IS 8506 : 1977 Specification for laboratory electrical resistance furnaces	Archived		Committee noted the information.

7.4 Review of other Indian Standards under ETD 32

SI. No.	IS No.	TITLE	Eqv.	Proposed action	Decision of the committee
1	IS 10975 : 1984	Electric Gas Lighters	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
2	IS 11879 : 1986	Specification for electric steam cookers	Modified/Technically Equivalent	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
3	IS 12289 : 1988	Specification for hand held electric engraving tools	Modified/Technically Equivalent	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
4	IS 13231 : 1991	Warming plates - Specification	Modified/Technically Equivalent	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
5	IS 13836 : 1993	Potato peeling machine (Electrically Operated) - Specification	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.

6	IS 1564 : 2006 IEC 62115	Safety of electric toys	Identical under dual numbering	Standard is its current form is identical to IEC 62115:2003+AMD1:2004+AMD2:2010. For upgrade to latest technical norms, revision of IS via adoption of latest IEC 62115:2017 may be commenced as per laid down procedure.	The committee agreed with the proposal.
7	IS 3725 : 1966	Specification for resistance wires, tapes and strips for heating elements	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
8	IS 4158 : 1986	Specification for solid embedded type electric heating elements (First Revision)	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
9	IS 5579 : 1985	Specification for neon testers (First Revision)	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
10	IS 6290 : 1986	Specification for steam irons (First Revision)	Indigenous	May be archived	The committee decided that this IS will be withdrawn after the publication of revised iron standard IS 366, which is being revised on the lines of latest IEC 60311, since such revision will cover

					requirements of steam iron also.
11	IS 6680 : 1992	Railway carriage fans - Specification (First Revision)	Modified/Technically Equivalent	May be archived (IFMA may comment)	The committee, after extensive discussions and deliberations, decided to archive the standard.
12	IS 7137 : 1973	Specification for portable hand - Held mains - Operated electric massagers	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
13	IS 8985 : 1978	Specification for single walled baking ovens	Indigenous	May be archived	The committee, after extensive discussions and deliberations, decided to archive the standard.
14	IS 302 (Part 2/Sec 6) : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 6 cooking ranges, hobs, ovens and similar appliances (First Revision)	Modified/Technically Equivalent	In view of ongoing efforts of harmonization of Indian standards on safety of electrical appliances with international standards by BIS, revision of these standards via adoption of corresponding IEC 60335-2-x international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with, for Sl. Nos. 14 to 23.	The committee agreed with the proposal and decided for adoption of corresponding IEC 60335-2-x international standards, which are aligned with IEC 60335-1:2020, whenever

15	IS 302 (Part 2/Sec 9) : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 9 toasters, grills, roasters and similar appliances (First Revision)	Modified/Technically Equivalent		available, as per due procedure, for Sl. Nos. 14 to 23. Further, in view of the proposal, the committee also agreed to reaffirm the standards till they are revised.
16	IS 302 (Part 2/Sec 14) : 2009 IEC 6033 5-2-14	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 14 electric kitchen machines (First Revision)	Modified/Technically Equivalent		
17	IS 302 (Part 2/Sec 15) : 2009 IEC 6033 5-2-15	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 15 appliances for heating liquids (First Revision)	Modified/Technically Equivalent		

18	IS 302 (Part 2/Sec 23) : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 23 appliances for skin or hair care (First Revision)	Modified/Technically Equivalent		
19	IS 302 (Part 2/Sec 30) : 2007 IEC 6033 5-2-30	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 30 room heaters (First Revision)	Modified/Technically Equivalent		
20	IS 302 (Part 2/Sec 31) : 2009 IEC 6033 5-2-31	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 31 range hoods	Modified/Technically Equivalent		
21	IS 302 (Part 2/Sec 35) :	Safety of household and similar electrical appliances:	Modified/Technically Equivalent		

	2017	Part 2 particular requirements: Sec 35 electric instantaneous water heaters (Second Revision)			
22	IS 302 (Part 2/Sec 75) : 2018	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 75 Commercial Dispensing Appliances and Vending Machines	Modified/Technically Equivalent		
23	IS 302 (Part 2/Sec 80) : 2017	Household and similar electrical appliances - Safety: Part 2 - 80 particular requirements for fans (First Revision)	Modified/Technically Equivalent		

24	IS 302 (Part 2/Sec 209) : 1994	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 209 low speed food grinding machines	Modified/Technically Equivalent	May be archived (BSH may comment in lieu of revising performance standard)	M/s BSH to review the standard and submit its recommendations within 45 days.
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Item 8 COMMENTS ON PUBLISHED STANDARDS

Sl. No.	IS No.	Title	Remarks	Decision of the committee
1.	IS 302 : Part 2 : Sec 6 : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 6 cooking ranges, hobs, ovens and similar appliances	Comments received are placed at Annex-11 The committee may discuss.	Committee did not agree to the proposed change as it will dilute the intent of ensuring safety of the appliance.
2.	IS 302 : Part 2 : Sec 9 : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 9 toasters, grills, roasters and similar appliances	Comments received are placed at Annex-12 The committee may discuss.	Committee did not agree to the proposed change as it will dilute the intent of ensuring safety of the appliance.
3.	IS 302 (Part 2/Sec 7) : 2024	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements	Comments received are placed at Annex-13 The committee may discuss.	Decision taken with reference to comments received is placed at Annex 3.

		Section 7 Domestic Electric Clothes Washing Machines		
4.	IS 302: Part 2: Sec 80: 2017	Household and similar electrical appliances - Safety: Part 2 - 80 particular requirements for fans	<p>In the last meeting, the committee had decided that IEC is to be asked whether bladeless fans are covered under the provisions of IEC equivalent standard of IS 302-2-80 Household and similar electrical appliances - Safety: Part 2 - 80 particular requirements for fans.</p> <p>The query was sent to IEC TC 61 via e-mail, however the reply is awaited.</p> <p>Also, it was decided in last meeting that Industry will give comments about which fans are not covered in the IS. The same will be reviewed before sending to certification department.</p> <p>Comment regarding this from Sh. Ravinder Gambhir, IFMA is attached at Annex-14.</p> <p>The committee may discuss.</p>	<p>Regarding query on bladeless fans, committee noted the information.</p> <p>Regarding coverage of various fans under the IS and comments of IFMA, the committee decided the following:</p> <ol style="list-style-type: none"> 1. Industrial Use Fans – Table/Wall/Pedestal/ Exhaust – manufacturer to incorporate justification/clarification regarding exclusive industrial use of their product, in their appliance manuals. ETD 32 has nothing further to add. 2. Metal body Exhaust Fans (Domestic use) - Clause 1 of IS 302-2-80 already specifies which fans are not covered within the scope of the IS. ETD 32 has nothing further to add. 3. Plastic body Ventilating Fans (Domestic use) – Clause 1 of IS 302-2-80 already specifies which fans are not covered within the scope of the IS. ETD 32 has nothing further to add. 4. HVLS Industrial Ceiling fans – Clause 1 of IS 302-2-80 already specifies that appliances intended exclusively for industrial purposes are not

				<p>covered within the scope of the IS. ETD 32 has nothing further to add.</p> <p>5. Plastic body Personal fans with DC power supply – No such exclusion mentioned in scope of IS 302-2-80. ETD 32 will review if some query regarding this is received.</p> <p>6. Tower fans – No such exclusion mentioned in scope of IS 302-2-80. No basis or justification is there for exclusion of such fans.</p>
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Item 9 INTERNATIONAL ACTIVITIES

9.1 Committee noted the information given in the agenda.

During the meeting, member secretary informed the committee that India just few days ago became P-member of SC 59A Electric dishwashers, SC 59D Performance of household and similar electrical laundry appliances, SC 59L Small household appliances and SC 61B Safety of stationary cooking appliances for household use, and microwave appliances for household and commercial use.

The committee welcome this development and resolved to actively contribute to the work of SCs which India has recently joined.

9.2 Committee noted the information given in the agenda.

9.3 Nomination of Experts in sub-groups under IEC TC 61

The committee noted and ratified the following nominations in the sub-groups under TC 61:

Sl. No.	Name of nominated expert	Name of the Organisation	Maintenance Team
1	Sh. Atul Gupta	STQC Directorate, MeitY	MT 37 (Overall maintenance of TC 61 publications)
2	Sh. Shekh Tazimul Haque Faridi	Dyson Technology India Pvt Ltd	
3	Sh.Tushar Sharma	Bureau of Indian Standards	
4	Sh. Shekh Tazimul Haque Faridi	Dyson Technology India Pvt Ltd	MT 53 (Personal care, grooming appliances, and animal shearers)

9.4 Review of the Projects under IEC TC 59, SC 59C and IEC TC 61 and designation of experts

The committee reviewed the following projects under IEC TCs/SCs related to ETD 32 and designated experts against them.

Sl. No.	Project Document Reference	Project No. and Title		WG/MT/PT	Level of Interest (High/Medium/Low)	Designated Expert
1.	59/840/CD	IEC 62301 ED3	Household electrical appliances - Measurement of standby power	MT 9	High	1. Shri Bharat Satija, Orient Electric Limited 2. Shri Satish Kumar, UL India Private Limited
2.	59/821/CDV	IEC 62849 ED2	Performance evaluation methods of robots for household and similar use	WG 16	Low	-
3.	59C/292/RR	IEC 60675 ED3	Household electric direct-acting room heaters - Methods for measuring performance	WG 2	High	1. Shri Bharat Satija, Orient Electric Limited 2. Shri V. Manjunath, UL India Private Limited 3. Shri P.K. Mukherjee
4.	61/7293/NP	PNW 61-7293 ED1	Household and similar electrical appliances – Safety – Part 2-XXX: Particular requirements for pets care appliances		Low	-
5.	61/7294/NP	PNW 61-7294 ED1	Household and similar		Low	-

			electrical appliances - Safety - Part 2-XXX: Particular requirements for electrical hangers			
6.	61/6963/CDV	IEC 60335-1/AMD1/FRAG1 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 1)	MT 37	High	<p>1. Shri Bharat Satija, Orient Electric Limited</p> <p>2. Shri Anil Mehta, CEAMA</p> <p>3. Shri Mohinder Singh Bhatti C, Whirlpool Corporation</p> <p>4. Shri P.K. Mukherjee</p> <p>(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)</p>
7.	61/7231/CDV	IEC 60335-1/AMD1/FRAG2 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 2)	MT 37	High	<p>1. Shri Bharat Satija, Orient Electric Limited</p> <p>2. Shri Anil Mehta, CEAMA</p> <p>3. Shri Mohinder Singh Bhatti C, Whirlpool Corporation</p> <p>4. Shri P.K. Mukherjee</p>

						(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)
8.	61/7232/CDV	IEC 60335-1/AMD1/FRAG3 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 3)	MT 37	High	<p>1. Shri Bharat Satija, Orient Electric Limited</p> <p>2. Shri Anil Mehta, CEAMA</p> <p>3. Shri Mohinder Singh Bhatti C, Whirlpool Corporation</p> <p>4. Shri P.K. Mukherjee</p> <p>(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)</p>
9.	61/7233/CDV	IEC 60335-1/AMD1/FRAG4 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements	MT 37	High	<p>1. Shri Bharat Satija, Orient Electric Limited</p> <p>2. Shri Anil Mehta, CEAMA</p> <p>3. Shri</p>

			(Fragment 4)			<p>Mohinder Singh Bhatti C, Whirlpool Corporation 4. Shri P.K. Mukherjee</p> <p>(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)</p>
10.	61/7234/CDV	IEC 60335-1/AMD1/FRAG5 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 5)	MT 37	High	<p>1. Shri Bharat Satija, Orient Electric Limited 2. Shri Anil Mehta, CEAMA 3. Shri Mohinder Singh Bhatti C, Whirlpool Corporation 4. Shri P.K. Mukherjee</p> <p>(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)</p>
11.	61/7235/CDV	IEC 60335-1/AMD1/FRAG6	Amendment 1 - Household and	MT 37	High	<p>1. Shri Bharat Satija, Orient</p>

		ED6	similar electrical appliances - Safety - Part 1: General requirements (Fragment 6)			<p>Electric Limited</p> <p>2. Shri Anil Mehta, CEAMA</p> <p>3. Shri Mohinder Singh Bhatti C, Whirlpool Corporation</p> <p>4. Shri P.K. Mukherjee</p> <p>(NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)</p>
12.	61/7246/CDV	IEC 60335-2-3/AMD1 ED7	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons	MT 66	High	<p>1. Shri Pankaj Gupta, Philips India Limited</p> <p>2. Shri Bharat Satija, Orient Electric Limited</p> <p>3. Shri P.K. Mukherjee</p>
13.	61/7097/CDV	IEC 60335-2-14 ED7	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines	MT 46	High	<p>1. Shri Pankaj Gupta, Philips India Limited</p> <p>2. Shri S. Dharmaselvan, Development Commissioner Micro- Small and Medium Enterprises</p> <p>3. Shri Pawan Deep Singh,</p>

						Havells India Limited 4. Shri P.K. Mukherjee
14.	61/7197A/RR	IEC 60335-2-17/AMD1 ED4	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances	MT 68	High	1. Shri H. Wadhwa, Consumer Voice 2. Shri P.K. Mukherjee
15.	61/6769/CDV	IEC 60335-2-23 ED7	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care	MT 53	High	1. Shri Shekh Tazimul Haque Faridi, Dyson Technology India Pvt Ltd 2. Shri Pawan Deep Singh, Havells India Limited 3. Shri P.K. Mukherjee
16.	61/6355/RR	IEC 60335-2-29 ED6	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers	MT 31	Medium	-
17.	61/7255/CDV	IEC 60335-2-30 ED6	Household and similar electrical appliances - Safety -Part 2-30: Particular requirements	MT 68	High	1. Shri Pawan Deep Singh, Havells India Limited 2. Shri P.K. Mukherjee

			for room heaters			
18.	61/7250/CDV	IEC 60335-2-35 ED6	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters	MT 68	High	1. Shri I. Ram Kumar, Venus Home Appliances Private Limited 2. Shri Brijesh P Singh, Havells India Limited 3. Shri P.K. Mukherjee
19.	61/7244/CDV	IEC 60335-2-36/AMD1 ED7	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements	MT 32	High	1. Shri S. Dharmaselvan, Development Commissioner Micro- Small and Medium Enterprises 2. Shri V. Manjunath, UL India Private Limited 3. Shri P.K. Mukherjee
20.	61/7243/CDV	IEC 60335-2-37/AMD1 ED7	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers	MT 32	High	
21.	61/7242/CDV	IEC 60335-2-38/AMD1 ED6	Amendment 1 - Household and similar electrical appliances -	MT 32	High	

			Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills			
22.	61/7241/CDV	IEC 60335-2-39/AMD1 ED7	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans	MT 32	High	
23.	61/7240/CDV	IEC 60335-2-42/AMD1 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens	MT 32	High	
24.	61/7245/CDV	IEC 60335-2-44/AMD1 ED4	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-44: Particular requirements for ironers	MT 66	Medium	
25.	61/7239/CDV	IEC 60335-2-47/AMD1 ED5	Amendment 1 - Household and	MT 32	High	

			similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans			
26.	61/7249/CDV	IEC 60335-2-66 ED3	Household and similar electrical appliances - Safety - Part 2-66: Particular requirements for water-bed heaters	MT 68	High	
27.	61/7237/CDV	IEC 60335-2-78/AMD1 ED3	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-78: Particular requirements for outdoor barbecues	MT 46	High	
28.	61/7238/CDV	IEC 60335-2-99/AMD1 ED2	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods	MT 32	High	
29.	61/7251/CDV	IEC 60335-2-105 ED3	Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for	MT 37	Medium	

			multifunctional shower cabinets			
30.	61/7236/CDV	IEC 60335-2-119/AMD1 ED1	Amendment 1 - Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for commercial vacuum packaging appliances	MT 32	High	
31.	61/7091/CD	IEC 60335-2-123 ED1	Household and similar electrical appliances - Safety - Part 2-123: Particular requirements for robots	WG 44	Low	-
32.	61/6807/NP	IEC 60335-2-125 ED1	Particular requirements for breast pumps for expressing breast milk	PT 60335-2-125	Low	-
33.	61/7248/CDV	IEC 62115/AMD1 ED2	Amendment 1 - Electric toys - Safety	MT 26	High	1. Shri S. Dharmaselvan, Development Commissioner Micro- Small and Medium Enterprises 2. Shri P K Mukherjee, In Personal Capacity 3. UL India Private Limited
34.	61/7095/CD	IEC TS 63457-1 ED1	Household and similar electrical appliances -	WG 49	High	1. Shri Anil Mehta, CEAMA 2. Shri Saurabh

			Repair, refurbishment, and remanufacturing of an appliance and subsequent safety testing - Part 1 - General safety requirements			Nag, Samsung India Electronics Private Limited 3. Shri P.K. Mukherjee
35.	61/7131/NP	IEC TS 63576 ED1	Evaluation methods for protection against risk of fire in electric tumble dryers	WG 47	Medium	1. Shri Anil Mehta, CEAMA 2. Shri Saurabh Nag, Samsung India Electronics Private Limited 3. Shri H. Wadhwa, Consumer Voice 4. Shri P.K. Mukherjee

9.5 Participation of Indian Delegation in the Plenary Meeting of IEC TC 59

Committee noted the information given in the agenda.

9.6 Participation of Indian Delegation in the Plenary Meeting of IEC TC 61

Committee noted the information given in the agenda.

Item 10 Indian Standard on "POLYMER COATED INNER TANKS FOR STORAGE WATER HEATER

Committee noted the information given in the agenda.

The committee decided that ETD 32: P3 Panel, formed for revision of IS 2082: 2018: Stationery storage type electric water heaters, to go through IS 18751: 2024 and explore requirement of introducing polymer coating as material for inner tank/container of storage water heater in revised version of IS 2082, if required.

Item 11 DATE AND PLACE FOR THE NEXT MEETING

Committee noted the information given in the agenda.

Item 12 ANY OTHER BUSINESS

12.1. Shri Peeyush Prakash, CMD-III (BIS), as well as multiple members brought attention of the committee to the issues of interpretation of provisions of standards under ETD 32 and incoming queries regarding the same, especially regarding coverage of appliances within the scope of IS 302 series standards.

Taking cognizance of this, the committee decided to form a panel for this purpose, with Shri P K Mukherjee as Convenor, and CMD-III (BIS) officer dealing with electrical appliances as member. Other members of the panel will be decided in consultation with the Chairperson. The submission of the panel will be deemed as the considered viewpoint of ETD 32.

12.2 The committee decided that whenever a Quality Control Order, that involves aspects covered within the scope of ETD 32, is being considered, ETD 32 will be consulted regarding the same.

12.3 Development of national standards on Demand Response

The inputs earlier submitted by Shri P.K. Mukherjee to BIS over e-mail regarding the subject were discussed during the meeting. It was decided that Shri Mukherjee may submit a draft on the lines of IEC TS 62950:2017 (Household and similar electrical appliances - Specifying smart capabilities of appliances and devices) for ETD 32 to work upon and take forward.

There being no further business, the meeting ended with a vote of the thanks to the chair.

Annex 1

List of participants

Sl.No.	Organization	Representative	Email id
1.	Standardisation Testing and Quality Certification (STQC) Directorate, MeITY	Shri Atul Gupta (Chairperson)	atulgupta@stqc.gov.in
2.	Bureau of Indian Standards	Shri Tushar Sharma (Member Secretary)	eetd@bis.gov.in
3.	Atomberg Technologies Private Limited, Mumbai	Mr. Rajat Srivastava	srivastava.rajat@atomberg.com
4.	Bajaj Electricals Limited, Mumbai	Shri. Abhinandan De	abhinandan.de@bajajelectricals.com
5.	BSH Household Appliances Manufacturing Private Limited, Chennai	Shri Loganathan Vijay Kumar	vijay.loganathan@bshg.com
6.	Central Power Research Institute, Bengaluru	Shri D. Venkatesh	dvenkat@cpri.in
7.	Crompton Greaves, Mumbai	Shri Parvin Garge	pravin.garje@crompton.co.in
		Shri. Manjunatha AR	manjunatha.ar@crompton.co.in
8.	Consumer Voice, New Delhi	Shri. H. S. Wadhwa	hswadhwa@gmail.com
9.	Consumer Electronics and Appliances Manufacturers Association (CEAMA), Noida	Shri Anil Mehta	anil.mehta@in.panasonic.com
		Shri Saurabh Kumar Singh	saurabh@ceama.in
10.	Dyson Technology India Pvt Ltd, Gurugram, Haryana.	Shri Shekh Tazimul Haque Faridi	shekh.faridi@dyson.com
11.	Development Commissioner Micro-Small and Medium Enterprises	Shri S. Dharmaselvan	s.dharmaselvan@dcmsme.gov.in
12.	Electrical Research And Development Association, Vadodara	Shri Rakesh A Patel	rakesh.patel@erda.org
13.	Havells India Limited, Noida	Shri Diwan Singh Kholia	diwansingh.kholia@havells.com
		Shri Pawan Deep Singh	pawandeep.singh@havells.com
		Shri Brijesh P singh	briyesh.singh@havells.com
		Shri Shailendra singh	shailendra.singh@havells.com
14.	Indian Fan Manufacturers Association	Ravinder Gambhir	ravinder.gambhir@havells.com
		Shri Safadar Imam	safadar.imam@orientelectric.com
15.	National Federation Of	Shri. Krish Theobald	krish@protegoplus.com

	Engineers For Electrical Safety		
16.	Orient Electric Limited, New Delhi	Shri Bharat Satija	bhara.sajita@orientelectric.com
17.	Philips India Limited, Gurugram	Shri Pankaj Gupta	pankaj.gupta@versuni.com
18.	Samsung India Electronics Private Limited, New Delhi	Shri Saurabh Nag	saurabh.nag@samsung.com
		Shri Sandeep Sahijwani	sandeep.s3@samsung.com
19.	UL India Private Limited, Bengaluru	Smt. Pallavi Tripathi	pallavi.tripathi@ul.com
		Shri. V. Manjunath	manjunath.v@ul.org
20.	Venus Home Appliances Private Limited, Chennai	Shri I. Ram Kumar	ramkumar@venushomeappliances.com
		Shri Ravi Nandan Pal	delhi.pd@venushomeappliance.com
21.	Whirlpool Corporation, Gurugram	Shri Abhijnan Dasgupta	abhijnan_dasgupta@whirlpool.com
22.	CMD-III (BIS)	Shri Peeyush Prakash	cmd3@bis.gov.in
23.	Directorate General (BIS), New Delhi	Shri A.K. Maharana (Head, ETD)	eetd@bis.gov.in

FOR BIS USE

Annex 2

Sectional Committee	Sector	Subsector	Sub-subsector	Name of Expert Member
ETD 32 – Electrical Appliances	1. Safety (IEC TC 61)	Safety of stationary cooking appliances for household use, and microwave appliances for household and commercial use (IEC TC 61 SC 61B)	Cooking appliances for household use	<ol style="list-style-type: none"> 1. Havells India Limited 2. Consumer Voice 3. Orient Electric Limited 4. BSH Household Appliances Manufacturing Private Limited 5. Shri P.K. Mukherjee
			Microwave appliances for household and commercial use	<ol style="list-style-type: none"> 1. Samsung India Electronics Private Limited 2. BSH Household Appliances Manufacturing Private Limited 3. UL India Private Limited 4. Consumer Voice 5. Shri P.K. Mukherjee

		Safety of electrically-operated farm appliances (IEC TC 61 SC 61H)	Electric fence energizers	-
		Safety of Electric Toys (IEC TC 61 MT 26)	-	1. P.K. Mukherjee 2. UL India Private Limited
		Electrical commercial catering equipment (IEC TC 61 MT 32)	Commercial electric forced convection ovens, steam cookers and steam-convection ovens	Crompton Greaves
			Commercial dispensing appliances and vending machines	1. Consumer Electronics and Appliances Manufacturers Association (CEAMA) 2. Shri P.K. Mukherjee
		Portable kitchen appliances for household use (IEC TC 61 MT 46)	Grills, toasters and similar portable cooking appliances	1. Electrical Research and Development Association 2. Bajaj Electricals Limited
			Warming plates and similar appliances	3. Orient Electric Limited 4. Consumer Voice 5. Philips India Limited
			Deep fat fryers, frying pans and similar	6. Crompton Greaves 7. Havells India

		appliances	Limited 8. Shri P.K. Mukherjee
		Kitchen machines	
		Appliances for heating liquids	
	Overall maintenance of TC 61 publications (IEC TC 61 MT 37)	General Requirements for safety	Full ETD 32
		Stationary cooking ranges, hobs, ovens and similar appliances	1. Philips India Limited 2. Crompton Greaves 3. UL India Private Limited 4. BSH Household Appliances Manufacturing Private Limited 5. Havells India Limited 6. Whirlpool Corporation 7. Shri P.K. Mukherjee
		Clocks	-
		Portable heating tools and similar appliances	-
		Insect killers	-
		Fans	1. Electrical Research and Development Association 2. Bajaj Electricals Limited 3. Orient Electric Limited 4. Consumer Voice 5. Atomberg Technologies Private Limited 6. Crompton Greaves

				<p>7. Havells India Limited</p> <p>8. Central Power Research Institute</p> <p>9. Dyson Technology India Pvt Ltd</p> <p>10. Indian Fan Manufacturers Association (IFMA)</p> <p>11. Development Commissioner Micro-Small and Medium Enterprises</p> <p>12. Shri P.K. Mukherjee</p>
		Personal care, grooming appliances, and animal shearers (IEC TC 61 MT 53)	Shavers, hair clippers and similar appliances	<p>1. Havells India Limited</p> <p>2. Consumer Electronics and Appliances Manufacturers Association (CEAMA)</p>
			Appliances for skin or hair care	<p>1. Dyson Technology India Pvt Ltd</p> <p>2. Bajaj Electricals Limited</p> <p>3. Havells India Limited</p>
			Massage appliances	Consumer Electronics and Appliances Manufacturers Association (CEAMA)
		Laundry and dishwashing appliances for household and commercial use (IEC TC 61 MT 65)	Spin extractors	<p>1. Consumer Electronics and Appliances Manufacturers Association (CEAMA)</p> <p>2. Consumer Voice</p> <p>3. Samsung India Electronics Private Limited</p> <p>4. BSH Household Appliances</p>
			Dishwashers	
			Washing machines	
			Tumble dryers	

				<p>Manufacturing Private Limited</p> <p>5. Whirlpool Corporation</p> <p>6. Electrical Research and Development Association</p> <p>7. Crompton Greaves</p> <p>8. UL India Private Limited</p> <p>9. Shri P.K. Mukherjee</p>
		<p>Garment care appliances (IEC TC 61 MT 66)</p>	<p>Electric irons</p>	<p>1. Electrical Research and Development Association</p> <p>2. Bajaj Electricals Limited</p> <p>3. Orient Electric Limited</p> <p>4. Philips India Limited</p> <p>5. Crompton Greaves</p> <p>6. Havells India Limited</p> <p>7. Shri P.K. Mukherjee</p>
		<p>Cleaning appliances for household use (IEC TC 61 MT 67)</p>	<p>Vacuum cleaners and water-suction cleaning appliances</p>	<p>1. Dyson Technology India Pvt Ltd</p> <p>2. Philips India Limited</p> <p>3. Samsung India Electronics Private Limited</p>
		<p>Room, water and personal heating appliances (IEC TC 61 MT 68)</p>	<p>Storage water heaters</p>	<p>1. Bajaj Electricals Limited</p> <p>2. Consumer Voice</p> <p>3. Crompton Greaves</p> <p>4. Electrical Research and Development Association</p> <p>5. Havells India Limited</p>
			<p>Room heaters</p>	
			<p>Instantaneous water heaters</p>	
			<p>Portable immersion heaters</p>	

				6.Orient Electric Limited 7.Racold Thermo Limited 8.Venus Home Appliances Private Limited 9.UL India Private Limited 10.Dyson Technology India Pvt Ltd 11. P.K. Mukherjee
	2. Performance (IEC TC 59)	Electric dishwashers (IEC TC 59 SC 59A)		1.Consumer Electronics and Appliances Manufacturers Association (CEAMA) 2.Consumer Voice 3.Samsung India Electronics Private Limited 4. BSH Household Appliances Manufacturing Private Limited 5.Whirlpool Corporation 6.Electrical Research and Development Association 7.Crompton Greaves 8.UL India Private Limited 9. Shri P.K. Mukherjee
		Electrical heating appliances for household and similar purposes (IEC TC 59 SC 59C)	Electric storage water heaters for household purposes Household electric direct-acting room heaters Household	1.Bajaj Electricals Limited 2.Consumer Voice 3.Crompton Greaves 4.Electrical Research and Development Association 5.Havells India Limited

		electric heating pads	6.Orient Electric Limited
		Household electric instantaneous water heaters	7.Racold Thermo Limited 8.Venus Home Appliances Private Limited 9.UL India Private Limited 10.Dyson Technology India Pvt Ltd 11. P.K. Mukherjee
	Performance of household and similar electrical laundry appliances (IEC TC 59 SC 59D)	Clothes washing machines for household use	1.Consumer Electronics and Appliances Manufacturers Association (CEAMA) 2.Consumer Voice 3.Samsung India Electronics Private Limited 4. BSH Household Appliances Manufacturing Private Limited 5.Whirlpool Corporation 6.Electrical Research and Development Association 7.Crompton Greaves 8.UL India Private Limited 9. Shri P.K. Mukherjee
		Tumble dryers for household use	
	Performance of household and similar electrical cooking appliances (IEC TC 59 SC 59K)	Household Electric Cooking Appliances - Performance Requirements of Electric Hobs	1.Consumer Voice 2.Crompton Greaves 3. BSH Household Appliances Manufacturing Private Limited 4.Havells India Limited 5. Shri P.K.

				Mukherjee
			Household microwave ovens	<ol style="list-style-type: none"> 1. Samsung India Electronics Private Limited 2. BSH Household Appliances Manufacturing Private Limited 3. UL India Private Limited 4. Consumer Voice 5. Shri P.K. Mukherjee
		Small household appliances (IEC TC 59 SC 59L)	Electric irons	<ol style="list-style-type: none"> 1. Electrical Research and Development Association 2. Bajaj Electricals Limited
			Electric toasters for household and similar purposes	
			Electric warming plates for household and similar purposes	<ol style="list-style-type: none"> 3. Orient Electric Limited 4. Consumer Voice 5. Philips India Limited 6. Crompton Greaves 7. Havells India Limited 8. Shri P.K. Mukherjee
			Electric kettles and jugs for household and similar use	<ol style="list-style-type: none"> 1. Bajaj Electricals Limited 2. Orient Electric Limited 3. Philips India Limited 4. Crompton Greaves 5. Havells India Limited
			Food mixers and centrifugal juicers	<ol style="list-style-type: none"> 1. Bajaj Electricals Limited 2. Orient Electric Limited 3. Philips India Limited

				<p>4. Havells India Limited</p> <p>5. Atomberg Technologies Private Limited</p> <p>6. Electrical Research and Development Association</p> <p>7. Development Commissioner Micro-Small and Medium Enterprises</p> <p>8. Shri P.K. Mukherjee</p>
			Coffee makers	<p>1. Havells India Limited</p> <p>2. BSH Household Appliances Manufacturing Private Limited</p> <p>3. Philips India Limited</p>
			A.C. ventilating fans and regulators for household and similar purposes	<p>1. Electrical Research and Development Association</p> <p>2. Indian Fan Manufacturers Association (IFMA)</p> <p>3. Shri P.K. Mukherjee</p>
			Comfort fans and regulators for household and similar purposes	<p>1. Electrical Research and Development Association</p> <p>2. Bajaj Electricals Limited</p> <p>3. Orient Electric Limited</p> <p>4. Consumer Voice</p> <p>5. Atomberg Technologies Private Limited</p> <p>6. Crompton Greaves</p> <p>7. Havells India Limited</p> <p>8. Central Power</p>

				<p>Research Institute</p> <p>9. Dyson Technology India Pvt Ltd</p> <p>10. Indian Fan Manufacturers Association (IFMA)</p> <p>11. Development Commissioner Micro-Small and Medium Enterprises</p> <p>12. Shri P.K. Mukherjee</p>
			Electric shavers for household use	<p>1. Consumer Electronics and Appliances Manufacturers Association (CEAMA)</p> <p>2. Havells India Limited</p>
			Deep-fat fryers for household use	<p>1. Electrical Research and Development Association</p> <p>2. Bajaj Electricals Limited</p> <p>3. Orient Electric Limited</p> <p>4. Consumer Voice</p> <p>5. Philips India Limited</p> <p>6. Crompton Greaves</p> <p>7. Havells India Limited</p> <p>8. Shri P.K. Mukherjee</p>
			Household and similar use electrical hair care appliances	<p>1. Havells India Limited</p> <p>2. Consumer Electronics and Appliances Manufacturers Association (CEAMA)</p>
	3. Components	Automatic electrical controls	-	1. Development Commissioner Micro-

				<p>Small and Medium Enterprises</p> <p>2. Consumer Electronics and Appliances Manufacturers Association (CEAMA)</p>
		Heating Elements		<p>1. Electrical Research and Development Association</p> <p>2. Orient Electric Limited</p> <p>3. Crompton Greaves</p> <p>4. Havells India Limited</p> <p>5. Venus Home Appliances Private Limited</p>
	4. Test Methods/apparatus	-	-	<p>1. Electrical Research and Development Association</p> <p>2. Central Power Research Institute</p> <p>3. Development Commissioner Micro-Small and Medium Enterprises</p> <p>4. UL India Private Limited</p>
	5. Accessibility	Accessibility of control elements, doors, lids, drawers and handles	-	Consumer Electronics and Appliances Manufacturers Association (CEAMA)

Annex 3

Manthan Topic : Manak Manthan organized by BIS Nagpur Branch Office on newly published IS 302 (Part 2/Sec 7) : 2024 titled Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 7: Domestic Electric Clothes Washing Machines

IS/Document Number : IS 302 (Part 2/Sec 7) : 2024

IS/Document Title : Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 7: Domestic Electric Clothes Washing Machines

Sl. No.	Clause No	Type of Comment	Comment	Propose Change	Decision of the committee
1	Title	Editorial	Title: "समान" should be replaced by the word "संरूप", and "साधित्रों " should be replaced by the word उपकरणों as suggested by participants.	Title: "समान" should be replaced by the word "संरूप", and "साधित्रों " should be replaced by the word उपकरणों as suggested by participants.	Committee did not agree to the change proposed. Title is in line with prevalent Hindi technical vocabulary.
2	Scope	General	Scope: Participants raised issued that it was not clear how the limit of 480 V for other appliances was decided. They requested on issuing clarificatory noted with examples on mentioning such limits.	A line in clarification of voltage limits maybe mentioned especially in case of other appliances.	Committee did not agree to the proposed change as the standard is already harmonised with international standard.
3	IS	General	Advice from participants: There should be some sensors for detection of living	No data due to accidents happened in such scenario was provided by	Committee did not agree to the proposed change as no data or

			<p>beingsinside machine, which shall detect Pet animals andsmall children inside washing machine before the machine starts.</p>	<p>participants. However considering techno- economic feasibility a suitable safety requirementif required may be added in the IS.</p>	<p>justification has been provided.</p>
4	CI 5.7	Editorial	<p>Clause 5.7: Doubt seemsto be wrongly printed here,it is may be corrected.</p>	<p>Correction may be considered.</p>	<p>Committee did not agree to the proposed change as it is not an error.</p>
5	CI 13.2	Technical	<p>Clause 13.2: The limit of 3.5mA should also be mentionin place of 5mA.</p>	<p>Participants opined that 3.5 mA shall be kept as safelimit insteadof 5 mA which cancause electric shock.</p>	<p>Committee did not agree to the proposed change as the standard is already harmonised with international standard.</p>