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BUREAU OF INDIAN STANDARDS

AGENDA

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 Verma 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

Item 0 GENERAL

0.1 WELCOME AND OPENING REMARKS BY THE CHAIRMAN

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The minutes of the last meeting (42nd meeting) of Electrical Appliances Sectional Committee, ETD 32 held on 04-06-2024, were circulated via BIS standards portal and e-mail dated 25-06-2024. No comments have been received.

The Committee may formally confirm the minutes.

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

2.1 The present composition and attendance of last 2 meetings of ETD 32, and composition of ETD 32 : P3 Panel for Revision of IS 2082 Stationery storage type electric water heaters are given in **Annex 1**.

The Committee may note.

2.2 Sector Wise Classification of ETD 32 Sectional Committee

The sector wise classification of ETD 32 Sectional Committee is given at **Annex 4**.

The committee may note and provide details of experts for standardization work in the corresponding sector/sub-sector.

2.3 Request for co-option is received from following organisations:

Sl. No.	Organization	Name
1	Sanjeev Singh	MANIT, Bhopal
2.	V-Guard Industries Ltd.	Anoop Singh
3.	Franke Faber India Pvt Ltd	Anand Sharma

The details of above nominations are placed at **Annex 5**.

The committee may consider.

Item 3 ACTIONS ARISING OUT OF PREVIOUS MEETING

Sl. No.	Item No. of last minutes	Item	Decision	Action Taken/Proposed
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	IS 1416 is withdrawn
2.	3.3	Validation of New methodology of Endurance Testing of motors in IS 4250 "Specification For Electric Food – Mixers (Liquidizers And Grinders) & Centrifugal Juicers" and also suggest methodology for	It was decided to withdraw the ToR. Central Lab, BIS will take up the validation exercise.	It is proposed that as the method is already 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

		endurance testing of blades, couplers etc used in food mixers.		after the publication of revised IS 4250 and after generation of sufficient data via future testing of samples.
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.
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
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 Committee	The project has been awarded to Dr Ashish Raman, NIT, Jalandhar and his team
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.
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.
8.	3.9	Study the effect of air temperature and air Flow on human hairs for the Revision of IS 7154:1994- Hair Dryer Performance Standard.	It was decided to withdraw the ToR. Revision of this IS based on IEC standard will be taken up.	The project has been withdrawn.
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
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
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 cooking appliances	Decision on this document deferred for next meeting.	Please see Item 5
12.	3.15	ETD 32 (17884) (IS 302-2-15) Safety of Household And	Decision on this document deferred for next meeting.	Please see Item 5

		Similar Electrical Appliances Part 2 Particular Requirements Section 15 Appliances for Heating Liquids		
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.
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 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.
15.	3.22	Review of IEC 60335 Series Standards	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-	In line with committee's decision, the following standards have been published: 1. IS 302 (Part 1) : 2024 2. IS 302 (Part 2/Sec 3): 2024 3. IS 302 (Part 2/Sec 8):

			1:2020 (6 th 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 (6 th edition) and for which Wide 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.	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 The committee may 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.
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 editorial changes in the finalized document	Under printing. The committee may note.

Item 4 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION

Sl. No.	Doc. No.	Title	Remarks
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 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.</i></p> <p>Based on this, committee may take final decision.</p>

Item 5 DRAFTS TO BE WITHDRAWN

Sl. No.	Doc. No.	Title	Remarks
1.	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	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
2.	ETD 32 (17858) (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.
3.	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 cooking appliances	The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
4.	ETD 32 (17884) (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.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
6.	(ETD/32/22296) Revision of IS 302: Part 2: Sec 4: 1993 (Identical to: IEC 60335-2-4:2021)	Household and similar electrical appliances Safety Part 2-4: Particular requirements for spin extractors	Wide circulated on 20-04-2023. The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.

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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
11.	(ETD/32/22300) Revision of IS 302: Part 2: Sec 12: 1993 (Identical to: IEC 60335-2- 12:2002+AMD1:2 008 +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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
13.	(ETD/32/22307) Revision of IS 302: Part 2: Sec 15: 2009 (Identical to: IEC	Household and similar electrical appliances Safety Part 2-15: Particular requirements for appliances for heating	Wide circulated on 20-04-2023. The document may be dropped as the same is not aligned with IEC

	60335-2-15:2012+AMD1:2016 +AMD2:2018)	liquids	60335-1, Ed-6.0.
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 document may be dropped as the same is 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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document 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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
19.	(ETD/32/22314) Revision of IS 302: Part 2: SEC 31: 2009	Household and similar electrical appliances Safety Part 2-31: Particular requirements	Wide circulated on 20-04-2023. The document may be dropped as the same is not aligned with IEC

	(Identical to: IEC 60335-2-31:2012+AMD1:2016 +AMD2:2018)	for range hoods and other cooking fume extractors	60335-1, Ed-6.0.
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 requirements for massage appliances	Wide circulated on 20-04-2023. The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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: Particular requirements for commercial dispensing appliances and vending machines	Wide circulated on 20-04-2023. The document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.
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 document may be dropped as the same is not aligned with IEC 60335-1, Ed-6.0.

Item 6 DRAFTS UNDER PREPARATION

Sl. No.	Document	Title	Remarks
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.
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.
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.

Item 7 PRESENT POSITION OF WORK OF ETD 32

7.1 The present position of work under ETD 32 is given in **Annex 2**.

The committee may note.

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
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.
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. 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

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.	<p>Review report on revision and draft by intern Mr. Manish Kumar is placed at Annex 6 and was shared with IFMA.</p> <p>Member has remarked recently via e-mail that “We will share the drafts for revision of IS 555 and IS 1169 soon”</p> <p>Member(s) to update and provide the draft</p>
5.	IS 959 : 1994	Specification for electric soldering irons (Third Revision)	The committee decided to archive the standard.	Archived
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.	<p>Review report on revision and draft by intern Mr. Manish Kumar is placed at Annex 6 and was shared with IFMA.</p> <p>Member has remarked recently via e-mail that “We will share the drafts for revision of IS 555 and IS 1169 soon”</p> <p>Member(s) to update and provide the draft</p>

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
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.
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.
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. Socratees 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.
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
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
13.	IS 2994 : 1992	Electric stoves - Specification (Second Revision)	The committee decided to archive the standard.	Archived
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
15.	IS 3412 : 1994	Electric water boilers - Specification (Second Revision)	The committee decided to archive the standard.	Archived

16.	IS 3481 : 1966	Specification for electric portable lamp stands and brackets	The committee decided to archive the standard.	Archived
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
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
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
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
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

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
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.
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
25.	IS 8506 : 1977	Specification for laboratory electrical resistance furnaces	The committee decided to archive the standard.	Archived
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
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.
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

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
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-x international standard, which is aligned with IEC 60335-1:2020, may be proceeded with, for Sl. Nos. 1 to 18.
2.	ETD 32	Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances	NEW	
3.	ETD 32	Household and similar electrical appliances - Safety - Part 2-36: Particular	NEW	

		requirements for commercial electric cooking ranges, ovens, hobs and hob elements	
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 appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans	NEW
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 appliances - Safety - Part 2-49: Particular requirements for commercial electric	NEW

		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 commercial electric kitchen machines	NEW
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 - Safety - Part 2-28: Particular requirements for sewing machines	NEW	
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 requirements for humidifiers	NEW	
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	NEW	Published as IS 302 (Part 2/Sec 42): 2024

		and steam-convection ovens		
20.	ETD 32	Household And Similar Electrical Appliances Safety Part 2-74: Particular requirements for portable immersion heaters	NEW	Published as IS 302 (Part 2/Sec 74): 2024
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	Review report on revision and draft by intern Mr. Omkar Lakeshri is placed at Annex 6 for perusal and consideration. The committee may discuss.
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	Review report on revision and draft by intern Mr. Prateek is placed at Annex 6 for perusal and consideration. The committee may discuss.
23.	ETD 32	IS 302 : Part 2 : Sec 11 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 11 tumbler dryers	Revision	IEC 60335-2-11:2024 has been recently published. In view of furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-11 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with.
24.	ETD 32	IS 302 : Part 2 : Sec 13 : 1994 Safety of household and similar electrical	Revision	Revised to IS 302 (Part 2/Sec 13): 2024

		appliances: Part 2 particular requirements: Sec 13 frying pans, deep fat fryers and similar appliances		
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
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
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
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-26 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with.

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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-2 international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with.
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-25 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with.
31.	ETD 32	IS 302 : Part 2 : Sec 12 : 1993 Safety of household and similar electrical appliances - Specification: Part 2 particular requirements: Sec 12 warming plates and similar appliances	Revision	IEC 60335-2-12:2024 has been recently published. In view of furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-12 international standard, which is aligned with IEC 60335-1:2020, may be proceeded with.
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
33.	ETD 32	IS 302 : Part 2 : Sec	Revision	IEC 60335-2-32:2024 has been

		32 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 32 massage appliances		recently published. In view of furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-32 international standard, which is aligned with IEC 60335- 1:2020, may be proceeded with.
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-4 international standard, which is aligned with IEC 60335- 1:2020, may be proceeded with.
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-45 international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with.
36.	ETD 32	IS 302 : Part 2 : Sec 46 : 1993 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 46 electric steam cookers	Revision	Superseded by recently published IS 302 (Part 2/Sec 42): 2024
37.	ETD 32	IS 302 : Part 2 : Sec 59 : 1999 Safety of household and similar electrical appliances: Part 2 particular	Revision	Revised to IS 302 (Part 2/Sec 59): 2024

		requirements: Sec 59 insect killers		
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 furthering the alignment of electrical appliances safety norms in India with international norms, adoption of corresponding IEC 60335-2-76 international standard, which is aligned with IEC 60335-1:2020, whenever available, may be proceeded with.
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.
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.
41.	ETD 32	IS 1169 : 1967 Specification for electric pedestal type fans and regulators	Revision	IFMA
42.	ETD 32	IS 2997 : 1964 Specification for air circulator type electric fans and regulators	Revision	IFMA
43.	ETD 32	IS 366 : 1991 Electric iron - Specification	Revision	M/s Philips , M/s Havells and M/s Bajaj + Intern
44.	ETD 32	IS 5161 : 1969	Revision	Action Research Project in

		Specification for flexible electric heating pads for domestic use		progress
45.	ETD 32	IS 6390 : Part 2 : 1992 Domestic electrical clothes washing machines - Specification: Part 2 requirements for tumbler dryers	Revision	M/s BSH + M/s Consumer VOICE
46.	ETD 32	IS 6446 : 1986 Specification for mica insulated heating elements	Revision	Action Research Project in progress
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.
48.	ETD 32	IS 4250 : 1980 Specification for domestic electric food - Mixers (Liquidizers And Grinders)	Revision	SC/Panel
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.
50.	ETD 32	IS 369 : 2019 Household electric direct - Acting room heaters - Performance requirements	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.

51.	ETD 32	IS 374 : 2019 Specification for electric ceiling type fans and regulators	Revision	SC/Panel
52.	ETD 32	IS 2082 : 2018 Stationary storage type electric water heaters - Specification	Revision	Panel work in progress
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.
54.	ETD 32	IS 13850 : 1993 Dish washing machine, heavy duty, ratchet type - Specification	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.
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.
56.	ETD 32	IS 1287 : 1993 Electric toasters - Specification	Revision	M/s Philips
57.	ETD 32	IS 367 : 1993 Electric kettles and jugs for household and similar use - Specification	Revision	M/s Philips , M/s Havells and M/s Bajaj + Intern
58.	ETD 32	IS 7154 : 1994 Mains operated electric hair	Revision	Review report on revision and draft by intern Mr. Omkar Lakeshri is

		dryers		placed at Annex 6 for perusal and consideration. The committee may discuss.
59.	ETD 32	IS 365 : 1983 Specification for electric hot plates	Revision	M/s Orient Electric
60.	ETD 32	IS 2268 : 1994 Electrical call bells and buzzers for indoor use - Specification	Revision	M/s UL India
61.	ETD 32	IS 2994 : 1992 Electric stoves - Specification	Archived	
62.	ETD 32	IS 10436 : 1983 Specification for electric frying pans and deep fat fryers	Archived	
63.	ETD 32	IS 13368 : 1992 Method of centrifugal test for double inlet fans (Industrial Type)	Archived	
64.	ETD 32	IS 13588 : 1993 Spring - Operated impact - Test apparatus and its calibration - Specification	Archived	
65.	ETD 32	IS 13886 : 1993 Specification for bimetallic thermostats and thermal cutouts for use with electric iron	Archived	
66.	ETD 32	IS 1401 : 2008 Protection of persons and equipment by enclosures - Probes for verification	Archived	
67.	ETD 32	IS 14145 : 1994	Archived	

		Mains operated clocks specification		
68.	ETD 32	IS 302 : Part 2 : Sec 208 : 1994 Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 208 single walled baking ovens	Archived	
69.	ETD 32	IS 3412 : 1994 Electric water boilers - Specification	Archived	
70.	ETD 32	IS 3481 : 1966 Specification for electric portable lamp stands and brackets	Archived	
71.	ETD 32	IS 959 : 1994 Specification for electric soldering irons	Archived	
72.	ETD 32	IS 8506 : 1977 Specification for laboratory electrical resistance furnaces	Archived	

7.4 Review of other Indian Standards under ETD 32

SI. No.	IS No.	TITLE	Eqv.	Proposed action
1	IS 10975 : 1984	Electric Gas Lighters	Indigenous	May be archived
2	IS 11879 : 1986	Specification for electric steam cookers	Modified/Technically Equivalent	May be archived
3	IS 12289 : 1988	Specification for hand held electric engraving tools	Modified/Technically Equivalent	May be archived
	IEC 60745-1			

4	IS 13231 : 1991	Warming plates - Specification	Modified/Technically Equivalent	May be archived
5	IS 13836 : 1993	Potato peeling machine (Electrically Operated) - Specification	Indigenous	May be archived
6	IS 15644 : 2006 IEC 62115	Safety of electric toys	Identical under dual numbering	Standard in 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
7	IS 3725 : 1966	Specification for resistance wires, tapes and strips for heating elements	Indigenous	May be archived
8	IS 4158 : 1986	Specification for solid embedded type electric heating elements (First Revision)	Indigenous	May be archived
9	IS 5579 : 1985	Specification for neon testers (First Revision)	Indigenous	May be archived
10	IS 6290 : 1986	Specification for steam irons (First Revision)	Indigenous	May be archived
	IEC 60311			
11	IS 6680 : 1992	Railway carriage fans - Specification (First Revision)	Modified/Technically Equivalent	May be archived (IFMA may comment)
12	IS 7137 : 1973	Specification for portable hand - Held mains - Operated electric	Indigenous	May be archived

		massagers		
13	IS 8985 : 1978	Specification for single walled baking ovens	Indigenous	May be archived
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 furthering the alignment of electrical appliances safety norms in India with international norms, 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.
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	
16	IS 302 (Part 2/Sec 14) : 2009 IEC 60335-2-14	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 60335-2-15	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 15 appliances for heating liquids	Modified/Technically Equivalent	

		(First Revision)	
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	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 30 room heaters (First Revision)	Modified/Technically Equivalent
	IEC 60335-2-30		
20	IS 302 (Part 2/Sec 31) : 2009	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 31 range hoods	Modified/Technically Equivalent
	IEC 60335-2-31		
21	IS 302 (Part 2/Sec 35) : 2017	Safety of household and similar electrical appliances: Part 2 particular requirements: Sec 35 electric instantaneous water heaters (Second Revision)	Modified/Technically Equivalent
22	IS 302 (Part 2/Sec 75) : 2018	Safety of Household and Similar Electrical Appliances Part 2	Modified/Technically Equivalent

		Particular Requirements Section 75 Commercial Dispensing Appliances and Vending Machines		
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)

Item 8 COMMENTS ON PUBLISHED STANDARDS

Sl. No.	IS No.	Title	Remarks
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.
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.

3.	IS 302 (Part 2/Sec 7) : 2024	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 7 Domestic Electric Clothes Washing Machines	<p>Comments received are placed at Annex-13</p> <p>The committee may discuss.</p>
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>

Item 9 INTERNATIONAL ACTIVITIES

9.1 India is Participating member in TC 61 and IEC TC 59.

Present position of work of TC 61 and TC 59 is given at **Annex 3**.

The committee may note.

9.2 As a 'P' member of IEC TC 61 and IEC TC 59, India has an obligation to send voting on IEC drafts and comments wherever necessary. The details of voting/comments sent since 42nd meeting of ETD 32 Sectional Committee is given in **Annex 15**.

The committee may note.

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

The Electrotechnical Division Council, after approval of ETD 32, has approved 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)

The committee may note and ratify the above.

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

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	
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	WG 2	High	

			performance			
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 electrical appliances - Safety - Part 2-XXX: Particular requirements for electrical hangers		Low	-
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	
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	
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	

9.	61/7233/CDV	IEC 60335-1/AMD1/FRAG4 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 4)	MT 37	High	
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	
11.	61/7235/CDV	IEC 60335-1/AMD1/FRAG6 ED6	Amendment 1 - Household and similar electrical appliances - Safety - Part 1: General requirements (Fragment 6)	MT 37	High	
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	
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	
14.	61/7197A/RR	IEC 60335-2-	Amendment 1 -	MT 68	High	

		17/AMD1 ED4	Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances			
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	
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 for room heaters	MT 68	High	
18.	61/7250/CDV	IEC 60335-2-35 ED6	Household and similar electrical appliances - Safety - Part 2-35: Particular	MT 68	High	

			requirements for instantaneous water heaters			
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	
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 - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills	MT 32	High	
22.	61/7241/CDV	IEC 60335-2-39/AMD1 ED7	Amendment 1 - Household and similar electrical	MT 32	High	

			appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans			
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 similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans	MT 32	High	
26.	61/7249/CDV	IEC 60335-2-66 ED3	Household and similar	MT 68	High	

			electrical appliances - Safety - Part 2-66: Particular requirements for water-bed heaters			
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 multifunctional shower cabinets	MT 37	Medium	
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	MT 32	High	

			vacuum packaging appliances			
31.	61/7091/CD	IEC 60335-2-123 ED1	Household and similar electrical appliances - Safety - Part 2-123: Particular requirements for robots	WG 44	Medium	
32.	61/6807/NP	IEC 60335-2-125 ED1	Particular requirements for breast pumps for expressing breast milk	PT 60335-2-125	Medium	
33.	61/7248/CDV	IEC 62115/AMD1 ED2	Amendment 1 - Electric toys - Safety	MT 26	High	
34.	61/7095/CD	IEC TS 63457-1 ED1	Household and similar electrical appliances - Repair, refurbishment, and remanufacturing of an appliance and subsequent safety testing - Part 1 - General safety requirements	WG 49	High	
35.	61/7131/NP	IEC TS 63576 ED1	Evaluation methods for protection against risk of fire in electric tumble dryers	WG 47	Medium	

The Committee may review the levels of interest and designate experts against the above-mentioned projects.

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

The next meeting pertaining to IEC TC 59 is scheduled as per the details given below:

Title of TC/SC	Date of Meeting	Place of Meeting
IEC TC 59 (Performance of household and similar electrical appliances)	23-10-2024 to 24-10-2024 (Plenary)	Germany (Frankfurt am Main)

The nomination of the following Indian Delegation has been approved by the Competent Authority for participation in the Plenary Meeting:

Sl. No.	Name of the Delegate	Name of the Organisation	Mode of Participation
1	Sh. Tushar Sharma	Bureau of Indian Standards	Physical

The committee may note.

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

The next meetings pertaining to IEC TC 61 are scheduled as per the details given below:

Title of TC/SC	Date of Meeting	Place of Meeting
IEC TC 61 (Safety of household and similar electrical appliances)	18-11-2024 to 19-11-2024 (Plenary)	Evanston (USA)

The following delegates have been nominated for participating in the above meeting:

Sl. No.	Name of the Delegate	Name of the Organisation	Mode of Participation
1	Shri Atul Gupta	STQC Directorate, MeitY	Physical
2	Shri Mohinder Singh B.C	Whirlpool Corporation	Physical
3	Shri Tushar Sharma	Bureau of Indian Standards	Physical

The committee may note.

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

In the last meeting, committee had noted the growing demand for water heaters with polymer-coated inner tanks in the market, and that requests were received to formulate an IS on such tanks for storage water heaters. The committee had also noted that the document finalized for printing during said

meeting, which has now been published as IS 302 (Part 2/Sec 21): 2024, being identical to IEC 60335-2-21:2022, makes the inner tank/container construction compliance material independent.

It was decided in the last meeting that requirement of introducing polymer coating as material for inner tank/container of storage water heater, will be reviewed on publication of Indian Standard for the same by CHD. CHD has published IS 18751 : 2024 - Polymer Coated Inner Tanks for Storage Water Heater — Specification. The Indian Standard is placed at **Annex 16**.

The committee may peruse and discuss.

Item 11 DATE AND PLACE FOR THE NEXT MEETING

Sectional Committee	Q1	Q2	Q3	Q4
ETD 32	04/06/2024 ✓	-	03/10/2024 ✓	18/02/2025

Item 12 ANY OTHER BUSINESS