

BUREAU OF INDIAN STANDARDS
ELECTROTECHNICAL DEPARTMENT (ETD)
RESOLUTIONS OF SECTIONAL COMMITTEE MEETING

Sectional Committee		Meeting No:	Date
Electrical Appliances Sectional Committee (ETD 32)		43 rd	03/10/2024
Chairperson Shri Atul Gupta	Member Secretary Shri Tushar Sharma		

Resolution 1

The minutes of the 42nd meeting held on 04-06-2024 have been confirmed by the committee.

Resolution 2

Composition of ETD 32 was reviewed by the committee. 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.

Resolution 3

Committee noted the Sector Wise Classification of ETD 32 and recognized experts within ETD 32 for standardization work in the corresponding sector/sub-sector.

Resolution 4

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.

Resolution 5

The committee decided to drop the validation exercise of New methodology of Endurance Testing of motors in IS 4250.

Resolution 6

Revision of IS 3588: 1987 --Specification for electric axial flow fans- Committee agreed on re-hosting the R&D project

Resolution 7

Revision of IS 14144 :1994 --Specification for Electric coffee makers- 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

Resolution 8

Revision of IS 2082: 2018: Stationery storage type electric water heaters- 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.

Resolution 9

It was decided that the newly published IS 302 (Part 1):2024 is to be circulated among all ETD 32 members. 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.

Resolution 10

Finalization of ETD/32/23559 IS 4250: 1980 specification for Electric Food Mixers Liquidizers and Grinders Centrifugal Juicers Second Revision - the committee, after detailed deliberations and discussions, finalized the document for printing. The finalized text of B.2 was decided as follows:

“B.2 Stability and mechanical hazards:

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 kept in abeyance for a period of 36 months from the date of publication of this standard.”

Member secretary was authorized by the committee to make editorial changes in the finalized document

Resolution 11

Decision to drop the following documents, as the same are not aligned with IEC 60335-1, Ed-6.0.:

- i. 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
- ii. ETD 32 (17858) (Revision of IS 302-2-4) Safety of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 4 Spin Extractors
- iii. 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
- iv. 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
- v. (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.
- vi. (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.
- vii. (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.
- viii. (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.
- ix. (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.
- x. (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.
- xi. (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
- xii. (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.
- xiii. (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

- xiv. (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.
- xv. (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.
- xvi. (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.
- xvii. (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.
- xviii. (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.
- xix. (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.
- xx. (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
- xxi. (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
- xxii. (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
- xxiii. (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
- xxiv. (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
- xxv. (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.

Resolution 12

ETD/32/26293 Revision of IS 5790 Specification for domestic electric cooking ovens - 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

Resolution 13

ETD/32/26291 Microwave ovens for household and similar purposes – Specification - 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

Resolution 14

ETD/32/26294 Electric Dishwasher for Household Use - 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

Resolution 15

Revision of pre-2000 published standards

Sl No.	IS No.	Title	Decision taken during 43rd meeting of ETD 32
1.	IS 365 : 1983	Specification for electric hot plates (Second Revision)	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 the team of M/s Philips, M/s Havells and M/s Bajaj will provide the revised draft for revision of this standard within 2 months.

3.	IS 367 : 1993	Electric kettles and jugs for household and similar use - Specification (Fourth Revision)	It was decided that the team of M/s Philips, M/s Havells and M/s Bajaj 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)	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)	Committee noted that the standard is archived.
6.	IS 1169 : 1967	Specification for electric pedestal type fans and regulators (First Revision)	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 3 weeks.
8.	IS 1415 : 1966	Specification for electric hand - Lamps (Revised)	Committee noted that the standard is withdrawn.
9.	IS 1416 : 1972	Specification for safety transformers (First Revision)	Committee noted that the standard is withdrawn.
10.	IS 2082 : 2018	Stationary storage type electric water heaters - Specification (Fifth Revision)	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 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 1.5 months

13.	IS 2994 : 1992	Electric stoves - Specification (Second Revision)	Committee noted that the standard is 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 1.5 months..
15.	IS 3412 : 1994	Electric water boilers - Specification (Second Revision)	Committee noted that the standard is archived.
16.	IS 3481 : 1966	Specification for electric portable lamp stands and brackets	Committee noted that the standard is archived.
17.	IS 3588 : 1987	Specification for electric axial flow fans (First Revision)	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)	Committee noted that reply from MED is awaited regarding transfer of this standard.
19.	IS 4250 : 1980	Specification for domestic electric food - Mixers (Liquidizers And Grinders) (First Revision)	Finalization of ETD/32/23559 IS 4250: 1980 specification for Electric Food Mixers Liquidizers and Grinders Centrifugal Juicers Second Revision - the committee, after detailed deliberations and discussions, finalized the document for printing.
20.	IS 4327 : 1967	Specification for electric fans and regulators for use in ships	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 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 1 month.

23.	IS 7154 : 1994	Mains operated electric hair dryers (First Revision)	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 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	Committee noted that the standard is archived.
26.	IS 8978 : 1992	Specification for electric instantaneous water heaters (Second Revision)	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)	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 informed that it cannot take up work for revision of this standard. The committee, after extensive discussions and deliberations, decided to archive the standard.

Resolution 16

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	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	The committee agreed with the proposal and decided for adoption of corresponding IEC 60335-2-x international standards, which are aligned with IEC 60335-

		scrubbing machines		aligned with IEC 60335-1:2020, may be proceeded with, for Sl. Nos. 1 to 18.	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 requirements for blankets, pads, clothing and similar flexible heating appliances	NEW		
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 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	NEW		

		appliances - Safety - Part 2-114: Particular requirements for Personal-e-Transporters			
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	NEW		

		requirements for commercial electric doughnut fryers and deep fat fryers			
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 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	NEW	Published as IS 302 (Part 2/Sec 74): 2024	Committee noted the information.

		Appliances Safety Part 2-74: Particular requirements for portable 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	Review report on revision and draft by intern Mr. Omkar Lakeshri is placed at Annex 6 for perusal and consideration. The committee may discuss.	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	Review report on revision and draft by intern Mr. Prateek is placed at Annex 6 for perusal and consideration. The committee may discuss.	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 particular requirements: Sec 11 tumbler dryers	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 corresponding IEC 60335-2-11 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.

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	Revision	Revised to IS 302 (Part 2/Sec 21): 2024	Committee noted the information.

		particular requirements: Sec 21 stationary storage type electric water heaters			
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 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.
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:	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	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

		Section 25 Microwave ovens		standard, which is aligned with IEC 60335-1:2020, may be proceeded with, as per due procedure.	
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 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.	The committee agreed with the 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 requirements: Sec 32	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 corresponding IEC 60335- 2-32 international standard, which is aligned	The committee agreed with the proposal. Further, in view of the proposal, the committee also agreed to reaffirm the standard till it is revised.

		massage appliances		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 : 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	Committee noted the information.
37.	ETD 32	IS 302 : Part 2 : Sec 59 : 1999 Safety	Revision	Revised to IS 302 (Part 2/Sec 59): 2024	Committee noted the information.

		of household and similar electrical appliances: Part 2 particular 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 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 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.
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	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.

		requirements: Sec 207 electric hot plates			
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 -	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

		Specification: Part 2 requirements for tumbler dryers			within 1 month.
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 Limited 2.Consumer Voice 3.Crompton Greaves 4.Electrical

					<p>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 room heaters - Acting - 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 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</p>

					<p>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	<p>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/Alternate), 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.</p>
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	Revision	IEC 60730-2-9:2015+AMD1:2018+AM	The committee agreed with the

		9 : 2011 Automatic Electrical Controls for Household and Similar Use Part 2 Particular Requirements Section 9 Temperature Sensing Controls		D2:2020 CSV has been published. This standard may be revised via adoption to align Indian norms on automatic electric controls to latest international norms.	proposal.
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.	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 - Specification	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	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.

		use - Specification			
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 fans (Industrial Type)	Archived		Committee noted the information.
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 of household and similar electrtcal appliances: Part 2 particular requirements: Sec 208 single walled baking ovens	Archived		Committee noted the information.
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	Archived		Committee noted the information.

		soldering irons			
72.	ETD 32	IS 8506 : 1977 Specification for laboratory electrical resistance furnaces	Archived		Committee noted the information.

Resolution 17

Review of other Indian Standards under ETD 32

Sl. 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 15644 : 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 carriagefans - Specification (First	Modified/Technically Equivalent	May be archived (IFMA may comment)	The committee, after extensive discussions and deliberations, decided to archive

		Revision)			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 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.
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	Safety of household	Modified/Technical		

	2/Sec 14) : 2009	and similar electrical appliances: Part 2	ly Equivalent		
	IEC 60335 -2-14	particular requirements : Sec 14 electric kitchen machines (First Revision)			
17	IS 302 (Part 2/Sec 15) : 2009	Safety of household and similar electrical appliances: Part 2	Modified/Technically Equivalent		
	IEC 60335 -2-15	particular requirements : Sec 15 appliances for heating liquids (First Revision)			
18	IS 302 (Part 2/Sec 23) : 2009	Safety of household and similar electrical appliances: Part 2	Modified/Technically Equivalent		
		particular requirements : Sec 23 appliances for skin or hair care (First Revision)			
19	IS 302 (Part 2/Sec 30) : 2007	Safety of household and similar electrical appliances: Part 2	Modified/Technically Equivalent		
	IEC 60335 -2-30	particular requirements : Sec 30 room heaters (First Revision)			

20	IS 302 (Part 2/Sec 31) : 2009 IEC 60335 -2-31	Safety of household and similar electrical appliances: Part 2 particular requirements : Sec 31 range hoods	Modified/Technical ly Equivalent		
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/Technical ly Equivalent		
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/Technical ly 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/Technical ly 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/Technical ly 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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Resolution 18

Committee did not agree to the proposed change (given via comments) in IS 302: Part 2: Sec 6 : 2009 and IS 302 : Part 2 : Sec 9 : 2009 as it will dilute the intent of ensuring safety of the appliance.

Resolution 19

Comments received on IS 302-2-7:2024 rejected as Title is in line with prevalent Hindi technical vocabulary, and standard is already harmonised with international standard.

Resolution 20

Comments on IS 302: Part 2: Sec 80: 2017

Regarding query on bladeless fans, committee noted the information that query was sent to IEC TC 61 via e-mail, however the reply is awaited.

Regarding coverage of various fans under the IS and comments of IFMA, the committee decided the following:

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 covered within the scope of the IS. ETD 32 has nothing further to add.
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.
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.

Resolution 21

The committee noted 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.

Resolution 22

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)

Resolution 23

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 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	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 (NFEES representative Shri Krish Theobald informed that they will mail BIS regarding designation of expert for this project)
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	1. Shri Bharat Satija, Orient Electric Limited 2. Shri Anil Mehta, CEAMA 3. Shri Mohinder Singh Bhatti C, Whirlpool

						<p>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>
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 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>
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	<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.</p>

						<p>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</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>
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	<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)
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	1. Shri Pankaj Gupta, Philips India Limited 2. Shri Bharat Satija, Orient Electric Limited 3. Shri P.K. Mukherjee
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	1. Shri Pankaj Gupta, Philips India Limited 2. Shri S. Dharmaselvan, Development Commissioner Micro- Small and Medium Enterprises 3. Shri Pawan Deep Singh, 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	MT 53	High	1. Shri Shekh Tazimul Haque Faridi, Dyson

			appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care			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 for room heaters	MT 68	High	1. Shri Pawan Deep Singh, Havells India Limited 2. Shri P.K. Mukherjee
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-	Amendment 1 -	MT 32	High	

		37/AMD1 ED7	Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers			
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 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	MT 66	Medium	

			similar electrical appliances - Safety - Part 2-44: Particular requirements for ironers			
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 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	MT 37	Medium	

			for 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 - Repair, refurbishment, and remanufacturing of an appliance and subsequent safety testing -	WG 49	High	1. Shri Anil Mehta, CEAMA 2. Shri Saurabh Nag, Samsung India Electronics Private Limited 3. Shri P.K. Mukherjee

			Part 1 - General safety requirements			
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

Resolution 24

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.

Resolution 25

The committee decided to form a panel for 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, 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.

Resolution 26

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.

Resolution 27

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.