

BUREAU OF INDIAN STANDARDS

AGENDA

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Basic Electrotechnical Standards and Power Quality Sectional Committee, ETD 01	20th	Friday	20/12/2024	11:00 hrs	Hybrid mode Place: BIS HQ, New Delhi WebEx Online: Join Here Meeting number: 2510 701 5709 Password: ETD@01

CHAIRMAN: Smt Vandana Singhal

MEMBER SECRETARY: Shri Emanuel Abhishek Murmu

Item 0 WELCOME & OPENING REMARKS BY THE CHAIRPERSON

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The minutes of the last meeting (19th meeting) of Basic Electrotechnical Standards and Power Quality Sectional Committee, ETD 01 held on 27 June 2024 through video conferencing were circulated on 26 July 2024. In view of no technical comments received, the committee may formally approve the Minutes of last meeting.

The committee may formally confirm the minutes.

Item 2 ACTIONS ARISING OUT OF PREVIOUS MEETING

Sl. No.	Subject	Subject	Decision Taken in the Committee	Action Taken
1.	<u>Revision of IS 12360: 1988</u> Voltage bands for electrical installations including preferred voltages and frequency (<i>First Revision</i>) The composition of the Working Group is listed below: 1. CEA 2. Secure Meters 3. YMPL 4. Utilities-	Draft on IS 12360 was prepared incorporating all the amendments and sent to working Group members for their review. Members from CEA are requested to kindly review and update the draft standard as per the enactment of the Electricity Act 2003 in place of IE Rules.	It was decided to organize the working group meeting to finalize the draft standard for wide circulation. Draft was received from working group and was circulated among committee members for 15 days for comments. Comments were received from BSES Yamuna Power	<i>The committee may discuss and finalise the draft for wide circulation for 30 days.</i>

Sl. No.	Subject	Subject	Decision Taken in the Committee	Action Taken
	DMRC/TATA Power 5. International Copper Association India, Mumbai		<p>Limited, New Delhi. The comments were sent to working group for resolution. Working group has provided the resolutions to the comments received (see <u>Annex 1</u>).</p> <p>Resolutions submitted by the panel were shared with BSES Yamuna Power Limited, New Delhi for any clarifications. As no comments were received, rectified draft document was re-circulated among members for comments for 15 days. No comments have been received from committee members.</p>	
2.	<p><u>Revision of IS 7691: 1975</u></p> <p>Frequencies for special power applications (<i>First Revision</i>)</p>	<p>IEC 60196 ‘<i>IEC standard frequencies</i>’ is the standard for frequencies for all kind of applications but IS 7691’ Frequencies for special power applications’ is for special applications only.</p> <p>Committee members are requested to once again review the decision of Identical adoption of IEC 60196.</p>	<p>It was decided to assign the revision of IS 7691 to Yadav Measurements Private Limited, Udaipur. Yadav Measurements Private Limited to submit the draft within 2 months.</p> <p>It was decided to wide circulate the draft IS 7691 for comments for five days up to 01-07-2024. In case no comments are received, the document may be finalised for printing with the approval of chairperson.</p> <p>Comment was received from VIT, Vellore (see <u>Annex 2</u>).</p>	<p><i>The committee may discuss and finalise the draft for printing.</i></p>
3.	<p><u>Revision of IS 2032: (Part 25): 1980</u></p> <p>Graphical Symbols used in</p>	<p>Graphical symbols covered in IS 2032 Part 25 are not part of the IEC 60417 database. Mail sent to</p>	<p>It was decided to assign the revision of IS 2032: Part 25 to PGCIL in consultation with chairperson. PGCIL to</p>	<p><i>Committee may refer Sr. No. 7 of Table under Item 3.</i></p>

Sl. No.	Subject	Subject	Decision Taken in the Committee	Action Taken
	Electrotechnology Part 25 Electrical Installations in Ships	all the members to kindly suggest relevant IEC standard or technical suggestions to revise the IS 2032 (Part 25): 1980. Committee members suggested to refer IEC 60417 series to revise IS 2032 (Part 25): 1980. IEC document will be sent to members to examine and share their views to revise the Indian Standard.	submit the draft standard within 2 months. Soft copies of IS 2032 (Part 25), IEC 60417 DB were forwarded to PGCIL on 29-08-2024	
4.	<p><u>Revision of IS 12032 Series of Standards</u></p> <p><i>‘Graphical symbols for diagrams in the field of electrotechnology’</i></p>	IS 12032 series are the identical adoptions of the IEC 60617 series. The IEC 60617 series has been replaced by IEC 60617: 2012 DB which contains graphical symbols for use in electrotechnical diagrams. The possibility of creating or adopting the online database is in progress but for the time being, all the parts of IS 12032 series can be merged and the IEC 60617: 2012 DB can be adopted as Indian Standard.	<p>It was decided to circulate a copy of the snapshot of IEC 60617: 2012 DB to all the committee members for their review and comment regarding adopting the IEC 60617: 2012 DB as an Indian Standard.</p> <p>It was decided to adopt latest edition of IEC 60617 Database as an Indian Standard.</p> <p>The draft document was circulated as P-draft for 15 days. Members have agreed with the draft. The draft document was wide circulated for 30 days up to 18-09-2024. No comments were received during wide circulation stage. The document has been finalized and forwarded for publication.</p>	<i>Committee may note.</i>

Item 3 REVIEW OF INDIAN STANDARDS

3.1 As per the guidelines, published Indian Standards should be reviewed after every five years. If no revision is called for, the standard(s) may be re-affirmed. Reaffirmation of the standard(s), however, does not prevent from these standard(s) being taken up for revision. The Standards due for review are given below:

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
1.	IS 1885 (Part 1): 1961	Electrotechnical vocabulary: Part 1 Fundamental Definitions	July 2022	Base standard IEC 60050-05: 1954 has been withdrawn and superseded by IEC 60050-806: 1996, with amendments 1 and 2. Committee may consider adoption of latest amendment nos. 1 and 2 issued on 2001 and 2018 respectively, to IEC 60050-806: 1996 and reaffirm and revise IS 1885 (Part 1)	
2.	IS 3599: 1966	Method of measurement of cooling medium temperature for electrical apparatus	March, 2024	Base Standard BS 2725: 1956 has been withdrawn. Committee may decide on either reaffirmation or reaffirmation and revision or withdrawal or archive IS 3599	
3.	IS 1885 (Part 29): 1971	Electrotechnical vocabulary: 1 mining terms	July, 2022	Base Standard BS 3618-7: 1965 has been withdrawn and superseded by BS 3618-7: 1973. Committee may consider reaffirming and revising IS 1885 (Part 29) with BS 3618-7: 1973	
4.	IS 7691: 1975	Frequencies for special power applications	March, 2024	Base Standard IEC 60196: 1965 is withdrawn and superseded by IEC 60196: 2009. Allotted to YMPL, Udaipur for drafting the standard. Committee may consider reaffirming and revising IS 7691	
5.	IS 2032 (Part 15): 1976	Graphical symbols used in electrotechnology : Part 15 aircraft electrical symbols	July, 2022	Base Standard IEC 60117-6: 1964 has been withdrawn. ISO 11532: 2018 and ISO 7000: 2019 may be referred. Committee may consider reaffirming and revising IS 2032 (Part 15)	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
7.	IS 2032 (Part 25): 1980	Graphical symbols used in electrotechnology: Part 25 electrical installations in ships	March, 2024	Base Standard IEC 60092-2:1965 has been withdrawn and replaced by IEC 60029-350:2020. IEC 60029-350:2020 is already adopted by ETD 20 (Electrical Installations committee) under dual number as IS 10242 (Part 3/ Sec 10): 2023 IEC 60029-350: 2020. Committee may consider <i>withdrawal of the standard</i>	
9.	IS 9499: 1980	Conventions Concerning Electric And Magnetic Circuits	March, 2024	Base Standard IEC 60375:1972 has been withdrawn and superseded by IEC 60375: 2018. Committee may consider <i>reaffirming and revising IS 9499</i> with latest IEC 60375: 2018	
10.	IS 9676: 1980	Reference ambient temperature for electrical equipment	March, 2024	Action Research Project report (see Annex 3) has submitted by BIS Officer concluding no change required and IS 9676 may be reaffirmed. Committee may consider <i>reaffirmation of standard</i>	
11.	IS 9677: 1980	Guide for limits of temperature - Rise of the windings of electrical equipment when tested by different methods	March, 2024	Indigenous standard.	
12.	IS 9678: 1980	Methods of measuring temperature-rise of electrical equipment	March, 2024	Indigenous standard.	
13.	IS 1885 (Part 55): 1981	Electrotechnical vocabulary: Part 55 electric fans	July, 2022	Indigenous Standard.	
14.	IS 10580: 1983	Service conditions for electrical equipment	July, 2022	Indigenous Standard.	
15.	IS 1885 (Part 61): 1985	Electrotechnical vocabulary: Part 61 nuclear medical instruments	July, 2022	CHD 30 Chemical Dept. of BIS deals with the formulation of Indian Standards for Nuclear Energy (for peaceful applications), for terminology, units and symbols, specifications in the field such as: - Materials for nuclear services (radioactive &	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
				<p>non-radioactive), methods of sampling and test for physical, chemical and isotopic analysis of various materials, Specifications for nuclear grade chemicals. - Radiological protection - specifications for personal protective equipments, individual monitoring, area & personal monitoring devices & their calibration. - Nuclear energy including nuclear fuel cycle & technology, reactor technology & technology related to application of ionizing radiations. - Safety and environment surveillance in all the plants using and/or producing ionizing radiations.</p> <p>In view of this, the committee may consider <i>transfer of IS 1885 (Part 61) to CHD 30</i></p>	
16.	IS 11955: 1987	Preferred current ratings	March, 2024	<p>Base Standard IEC 60059: 1938 withdrawn and superseded by IEC 60059: 1999.</p> <p>Committee may consider <i>reaffirming and revising IS 11955</i> with IEC 60059: 1999</p>	
17.	IS 1885 (Part 37): 1993	Electrotechnical vocabulary: Part 37 tariffs for electricity (First Revision)	March, 2024	<p>Base Standard IEC 60050-691:1973 has not been revised except for amendment no. 1 issued in 2019.</p> <p>Committee may consider adoption of latest amendment no. 1 issued in 2019 and <i>reaffirm and revise IS 1885 (Part 37)</i></p>	
18.	IS 1885 (Part 38): 1993	Electrotechnical vocabulary: Part 38 power transformers and reactors (Second Revision)	March, 2024	<p>Base Standard IEC 6005 - 421:1990 has not been revised.</p> <p>Committee may consider <i>reaffirmation of the standard</i></p>	
19.	IS 1885 (Part 42): 1993	Electrotechnical vocabulary: Part 42 Power Capacitors	March, 2024	<p>Base Standard IEC 60050-436:1990 has not been revised.</p> <p>Committee may consider <i>reaffirmation of the standard</i></p>	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
20.	IS 1885 (Part 69): 1993	Electrotechnical vocabulary: Part 69 generation, transmission and distribution of electricity - Generation	March, 2024	Base Standard IEC 60050-602:1983 has not been revised. Committee may consider <i>reaffirmation of the standard</i>	
21.	IS 1885 (Part 71): 1993	Electrotechnical vocabulary: Part 71 generation, transmission and distribution of electricity – Substations	March, 2024	Base Standard IEC 60050-605:1983 has not been revised. Committee may consider <i>reaffirmation of the standard</i>	
22.	IS 1885 (Part 81): 1993	Electrotechnical vocabulary: Part 81 electrical measuring instruments	March, 2024	Base standard IEC 60050-302: 1983 has been withdrawn and superseded by IEC 60050-300: 2001. The latest IEC 60050-300: 2001 has been already referred in IS 1885 (Part 300). Committee may consider <i>withdrawing and superseding IS 1885 (Part 80) and IS 1885 (Part 81) with revised IS 1885 (Part 300) with latest IEC 60050-300: 2001</i>	
23.	IS 1885 (Part 80): 1994	Electrotechnical vocabulary: Part 80 general terms on measurements in electricity	March, 2024	Base standard IEC 60050-301: 1983 has been withdrawn and superseded by IEC 60050-300: 2001. The latest IEC 60050-300: 2001 has been already referred in IS 1885 (Part 300). Committee may consider <i>withdrawing and superseding IS 1885 (Part 80) and IS 1885 (Part 81) with revised IS 1885 (Part 300) with latest IEC 60050-300: 2001</i>	
24.	IS 10381: 1982	Terms (and their hindi equivalents) commonly used for name - Plates and similar data of electrical power equipment	March, 2024	Based on the Technical Hindi Dictionary by Central Hindi Directorate. Committee may consider <i>reaffirmation of the standard</i>	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
25.	IS 1885 (Part 53): 1980	Electrotechnical vocabulary: Part 53 mica	July, 2022	<p>Base Standards ISO 2185: 1972 and ASTM D351: 1971 have been withdrawn. ASTM D351: 1971 has been revised as ASTM D351-18: 2018 (Standard Classification for Natural Muscovite Block Mica and Thins Based on Visual Quality). ASTM D374 (Test Methods for Thickness of Solid Electrical Insulation) and ASTM D1711 (Terminology Relating to Electrical Insulation) may be referred.</p> <p>Committee may consider review of ASTM D351-18, ASTM D373 and ASTM D1711 for possible adoption and reaffirm and revise IS 1885 (Part 15)</p>	
26.	IS 1885 (Part 15): 2008	Electrotechnical vocabulary: Part 15 primary and secondary cells and batteries (Second Revision)	August, 2023	<p>Base Standard IEC 60050-482:2004 has not been revised except for amendment nos. 1 and 2, issued on 2016 and 2020 respectively.</p> <p>Committee may consider adoption of the latest amendment nos. 1 and 2, issued on 2016 and 2020 respectively, to IEC 60050-482: 200 and reaffirm and revise IS 1885 (Part 15)</p>	
27.	IS 1885 (Part 27): 2008	Electrotechnical vocabulary: Part 27 power electronics (Third Revision)	August, 2023	<p>Base standard IEC 60050-551: 1998 has not been revised except for amendment nos. 1 and 2, issued on 2001 and 2017 respectively.</p> <p>Committee may consider adoption of the latest amendment nos. 1 and 2, issued on 2001 and 2017 respectively, to IEC 60050-551: 1998 and reaffirm and revise IS 1885 (Part 27)</p>	
28.	IS 1885 (Part 57): 2008	Electrotechnical vocabulary: Part 57 circuit theory (Second Revision)	May, 2023	<p>Base Standard IEC 60050-131:2002 has not been revised except for amendment nos. 1 to 5, issued on 2008, 2013, 2019, 2021 to IEC 60050-131: 2002.</p> <p>Committee may consider adoption of the latest amendment nos. 1 to</p>	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
				5, issued on 2008, 2013, 2019, 2021 to IEC 60050-131: 2002 and reaffirm and revise IS 1885 (Part 57)	
29.	IS 1885 (Part 51): 2012	Electrotechnical vocabulary: Part 51 industrial electroheat (Second Revision)	April, 2022	Base Standard IEC 60050-841:2004 has not been revised except for amendment no. 1, issued on 2021. Committee may consider adoption of the latest amendment no. 1, issued on 2021 to IEC 60050-841: 2004 and reaffirm and revise IS 1885 (Part 51)	
30.	IS 1885 (Part 74): 2012	Electrotechnical vocabulary: Part 74 electrical and magnetic devices (First Revision)	April, 2022	Base Standard IEC 60050-151:2002 has not been revised except for amendment nos. 1 to 5, issued on 2013, 2014, 2019, 2020 and 2021 respectively, to IEC 60050-151: 2001. Committee may consider adoption of the latest amendment nos. 1 to 5, issued on 2013, 2014, 2019, 2020 and 2021 respectively, to IEC 60050-151: 2001 and reaffirm and revise IS 1885 (Part 74)	
31.	IS 1885 (Part 300): 2017	Electrotechnical vocabulary: Part 300 electrical and electronic measurements and measuring instruments: Part 311 general terms relating to measurements: Part 312 general terms relating to electrical measurements: Part 313 types of electrical measuring instruments: Part 314 specific terms according to the type of instrument	December, 2022	Base Standard IEC 60050-300: 2001 (Including Parts 311 to 314) has not been revised except for amendment nos. 1 to 4, issued on 2015, 2016, 2017 and 2020 respectively, to IEC 60050-300: 2001. Committee may consider adoption of the latest amendment nos. 1 to 4, issued on 2015, 2016, 2017 and 2020 respectively, to IEC 60050-300: 2001 and reaffirm and revise IS 1885 (Part 300)	
32.	IS 17036: 2018	Distribution System Supply Voltage Quality	October, 2023	Indigenous standard.	

Sl. No.	IS No.	IS Title	Due Date	Member Secretary Remarks	Decision of Sectional Committee
33.	IS 1885 (Part 32): 2019	Electrotechnical Vocabulary Part 32 Electric Cables (Second Revision)	March, 2024	Base Standard IEC 60050-461: 2008 has not been revised. Committee may consider <i>reaffirmation of standard</i>	

The committee may review.

3.2 Panel/ Working to be created to strengthen the work of the committee

Sectional Committee	IEC Mirror Committees	Sectors	Working Panels/ Working Groups	Indian Standards		
				Indigenous	Adopted	Modified
ETD 01	TC 1 (O) TC 3 (O) TC 25 (O) SC 3C (O) TC 70 (P) TC 8 (P)	Electro-technical Terminology, Quantities and Units, Graphical Symbols, Degree of Protection and Vocabulary	Panel 1 (Composition to be created) (WG to be created on need basis, for review of existing standards/new work proposals, for a definite time period)	1. IS 10381: 1982 2. IS 11954: 2023 3. IS 1885 (Part 34): 2023 4. IS 1885 (Part 55): 1981 5. IS 9499: 1980	1. IS 11353:2023 IEC 60445: 2021 2. IS 11354: 2023 IEC 60152: 2021 3. IS 12032 (Part 1): 1987 IEC 60617-1:1985 4. IS 12032 (Part 2) : 1987 IEC Pub 617-2 (1983) 5. IS 12032 (Part 3): 1987 IEC 60617-3 : 1983 6. IS 12032 (Part 4) : 1987 IEC 60617-4:1983 7. IS 12032(Part 6): 1987 IEC 60617-6:1983 8. IS 12032 (Part 7): 1987 IEC Pub 617-7 (1983) 9. IS 12032 (Part 8):1987 IEC 60617-8: 1983 10. IS 12032 (Part 10) : 1991 11. IS 12032 (Part 11) : 1987	1. IS 1885 (Part 1): 1961 2. IS 1885 (Part 29): 1971 3. IS 1885 (Part 53): 1980 4. IS 1885 (Part 61): 1985 5. IS 2032 (Part 15): 1976 6. IS 2032 (Part 25): 1980 7. IS 3599: 1966 8. IS 5578: 1984

Sectional Committee	IEC Mirror Committees	Sectors	Working Panels/ Working Groups	Indian Standards		
				Indigenous	Adopted	Modified
		Electro-technical Terminology, Quantities and Units, Graphical Symbols, Degree of Protection and Vocabulary			IEC 60617-11: 1987 12. IS 17050:2023 IEC 62262:2021(Ed 1.1) 13. IS 1885 (Part 9/Sec 1):2019 14. IS 1885 (Part 9/Sec 2):2019 IEC 60050-445:2010 15. IS 1885(Part 9/Sec3):2019 IEC 60050-447:2010 16. IS 1885 (Part 10):2008 17. IS 1885 (Part 14): 2023 IEC 60050-395:2014 18. IS 1885 (Part 15):2008 IEC 60050-482:2004 19. IS 1885(Part 17):2024 IEC 60050-441:1984 20. IS 1885 (Part 27):2008 IEC 60050-551:1998 21. IS 1885 (Part 28):1993 IEC Pub 50(321):1986 22. IS 1885 (Part 30): 2023 IEC 60050-60:1985 23. IS 1885 (Part 32):2019 IEC 60050-461:2008 24. IS 1885 (Part 35):2021 IEC 60050: 411 25. IS 1885 (Part 37):1993 IEC Pub 50 (691):1973 26. IS 1885 (Part 38): 1993	

Sectional Committee	IEC Mirror Committees	Sectors	Working Panels/ Working Groups	Indian Standards		
				Indigenous	Adopted	Modified
		Electro-technical Terminology, Quantities and Units, Graphical Symbols, Degree of Protection and Vocabulary			IEC Pub 50(421):1990 27. IS 1885 (Part 42): 1993 IEC Pub 60 (436) (1990) 28. IS 1885 (Part 51):2012 IEC 60050-841:2004 29. IS 1885 (Part 54): 2021 IEC 60050:471 30. IS 1885 (Part 57):2008 IEC 60050-131:2002 31. IS 1885 (Part 60): 2022 IEC 60050:426 32. IS 1885 (Part 61) :2021 IEC 60050:212 33. IS 1885 (Part 69): 1993 IEC Pub 50 (602):1983 34. IS 1885 (Part 70): 2023 IEC 60050-614:2016 35. IS 1885 (Part 71): 1993 IEC Pub 50 (605):1983 36. IS 1885 (Part 72):2021 IEC 60050-103:2009 37. IS 1885 (Part 73):2021 60050-113: 2011 38. IS 1885 (Part 74):2012 IEC 60050-151:2001 39. IS 1885 (Part 75):2021 IEC 60050-35:2013 40. IS 1885 (Part 76): 1993 IEC Pub 50 (431)(1980) 41. IS 1885 (Part 77): 1993	

Sectional Committee	IEC Mirror Committees	Sectors	Working Panels/ Working Groups	Indian Standards		
				Indigenous	Adopted	Modified
		Electro-technical Terminology, Quantities and Units, Graphical Symbols, Degree of Protection and Vocabulary			<p>IEC Pub 50 (466):1990</p> <p>42. IS 1885 (Part 78): 1993 IEC Pub 50 (601):1985</p> <p>43. IS 1885 (Part 79): 1993 IEC Pub 60 (603):1986</p> <p>44. IS 1885 (Part 80):1994 IEC Pub 50 (301):1983</p> <p>45. IS 1885 (Part 81):1993 IEC Pub 50 (302):1983</p> <p>46. IS 1885 (Part 300):2017 IEC 60050-300:2001 (Including Parts 311 to 314)</p> <p>47. IS 2032 (Part 19):2023 IEC TR 60878:2015</p> <p>48. IS 3722 (Part 1) :2023 IEC 60027-1:1992</p> <p>49. IS/IEC 60073: 2002</p> <p>50. IS/IEC 60529:2001</p> <p>51. IS 7118:2023 IEC 60447:2004</p> <p>52. IS 8270 (Part 1): 2023 IEC 61082-1: 2014</p> <p>53. IS 8270 (Part 2): 2023 IEC 81346-1: 2022</p> <p>54. IS 1885 (Part 16):2023 IEC 60050-845:2020</p>	

Sectional Committee	IEC Mirror Committees	Sectors	Working Panels/ Working Groups	Indian Standards		
				Indigenous	Adopted	Modified
		System Aspects of Electrical Energy Supply	Panel 2 (Composition to be created) (WG to be created on need basis, for review of existing standards/new work proposals, for a definite time period)	1. IS 17036: 2018 2. IS 18475: 2023 3. IS 9677: 1980 4. IS 9678: 1980 5. IS 10580: 1983 6. IS 9676: 1980	1. IS 9409: 2023 IEC 61140: 2016 2. IS 12360: 1988	1. IS 11955: 1987 2. IS 7691: 1975

The committee may review.

Item 4 INTERNATIONAL ACTIVITIES

4.1 India is a Participating member ('P' member) in IEC TC 08 and TC 70. The publications issued and position of work of IEC TC 8 and TC 70 can be accessed with the hyperlinks:

Link to access

[IEC TC 8 Work Programme](#)

[IEC TC 8 Publications](#)

[IEC TC 70 Work Programme](#)

[IEC TC 70 Publications](#)

4.2 As a 'P' member of above IEC TCs, India has an obligation to send voting on IEC drafts and comments wherever necessary. The details of voting/comments sent since the last meeting of ETD 01 is given in [Annex 4](#).

4.3 Review of Nominated Experts in IEC TC 8 and TC 70

Sl. No.	Expert	Subcommittees/WG/MT/PT	Report on progress of work
1.	Mr. Nand Kishor Narang	SC 8A - Grid Integration of Renewable Energy Generation	-
		JWG1 - Terminology linked to SC 8A, SC 8B, SC 8C	-
2.	Mr. Rajnish Kumar Ameta	WG11 - Power Quality	-
3.	Mr. Bal Mukund Vyas	WG11 - Power Quality	-

The committee may review. The committee may also nominate experts for the Working Groups in which there are no Experts nominated from India. Details are at [Annex 5](#).

4.4 Removal of Nominated Experts from IEC TC 8 and TC 70

Sl. No.	Expert	Subcommittees/WG/MT/PT	Reason for removal
1.	Mr. K Balaramn	JWG1 - Terminology linked to SC 8A, SC 8B, SC 8C	As per extant guidelines of BIS Standard Formulation Manual, only members of the National Mirror Committee (NMC) are eligible to serve as IEC experts. The said expert is no longer a member of ETD 01 which is the NMC for IEC TC 8 and TC 70. Therefore, the expert may be removed from IEC Expert Management System

The committee may review and approve.

4.5 Review of the Projects under IEC TC 08 and TC 70 and designation of experts

- Focus will now be on participating in the making of IEC standards on the basis of the Level of Interest established in respect of a NWIP or draft standard.
- The Member Secretary, in consultation with the Chair of the Sectional Committee and the Head of the Department, and if necessary, with the entire Sectional Committee, shall determine and specify the Level of Interest for each NWIP or draft standard received from IEC.
- The next step is to designate one or two members of the Sectional Committee to represent BIS for standards categorized as Level H (High) and M (Medium). These designated experts will act as face and voice of BIS for the project at the IEC level.

The IEC TC 08 and TC 70 current projects are as follows:

Sl. No.	Project No.	Project	Level of Interest	IEC TC	Working Group	Existing experts
1.	8/1732/CD	IEC TR 63282-101 LVDC systems: DC power distribution system for typical scenarios		TC 8	JWG9	-
2.	8/1727/CD	IEC TS 62749 ED3 Assessment of power quality - Characteristics of electricity supplied by public networks		TC 8	WG11	1. Mr. Rajnish Kumar Ameta 2. Mr. Bal Mukund Vyas
3.	8/1724/CD	IEC TS 62786-42 ED1 Distributed energy resources connection with the grid – Part 42 Requirements for voltage measurement used to control DER and loads		TC 8	JWG12	-

Sl. No.	Project No.	Project	Level of Interest	IEC TC	Working Group	Existing experts
4.	8/1721/CD	IEC TR 62786-100 Distributed energy resources connection with the grid - Part 100 Generating units grid connection standard mapping		TC 8	JWG10	-
5.	8/1720/CD	IEC TR 63282-102 LVDC systems: Technical report for low-voltage DC electric island power supply systems		TC 8	JWG9	-
6.	8/1718/CD	IEC TS 62786-2 ED1 Distributed energy resources connection with the grid - Part 2 Additional requirements for PV generation		TC 8	JWG10	-

Item 5 COMPOSITION OF BASIC ELECTROTECHNICAL STANDARDS AND POWER QUALITY SECTIONAL COMMITTEE

5.1 The present composition of ETD 01 is given in Annex 6.

5.2 Instructions for the Effective Implementation of the Process Reforms Aimed at the Strengthening of the Standardization Ecosystem in the Country

As per instruction received from DG BIS, absence from two consecutive and less than 50 percent of the meetings of the technical committee held in a year shall invite termination of the membership except in special circumstances acknowledged in the writing by the Divisional Council on the basis of the recommendation of the technical committee to this effect. **A person whose membership is terminated on the ground of absence from the meetings or not responding to the Preliminary Draft standard shall not be eligible to be re-inducted as a member in any of the technical committees of BIS for two years from the date of termination.** The status of participation of members in the previous two meetings of ETD 01 are given at Annex 7.

5.3 Members removed from the Sectional Committee due to absence from two consecutive meetings:

Sl. No.	Organisation
1.	ABB India Limited, Bengaluru
2.	Adani Electricity Limited, Mumbai
3.	Bridge to India Energy Private Limited, Gurugram
4.	Consumer Association, Palakkad
5.	Larsen and Toubro Limited, Mumbai
6.	Siemens Limited, Mumbai
7.	Shri Rajendra Goswami (Personal capacity)

The committee may review the participation.

Item 6 INFORMATION ON e-SALE OF STANDARDS BY BIS

Bureau of Indian Standards, the National Standards Body of India has published more than 22000 Indian Standards which are available for sale.

Softcopy can be downloaded from BIS sales portal <https://standardsbis.bsbedge.com>.

Item 7 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

National Institute of Training for Standardization (NITS) has been set up by BIS with world-class facilities to impart training on various aspects leading to standardization, quality and other management systems, consumer protection, public service delivery, etc.

The training calendar for the current year is available on BIS website <http://www.bis.gov.in>.

Item 8 DATE AND PLACE OF NEXT MEETING

Item 9 ANY OTHER BUSINESS

FOR BIS USE ONLY