

BUREAU OF INDIAN STANDARDS

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Minutes

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Power Electronics Sectional Committee ETD 31	21	Wednesday	14 March 2023	14: 30 HRS	Hybrid Meeting BIS HQ Manak Bhawan New Delhi

Chairman- Shri Rajesh Kumar Jain

Member Secretary: Jatin Tiwari

ITEM 0 WELCOME BY THE CHAIRMAN

The chairman welcomed all members and the member secretary.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The minutes of the last meetings (20th meeting) of Power Electronics Sectional Committee, ETD 31 held on 19th June 2023 were circulated.

No comments were received.

Minutes were confirmed.

ITEM 2.0 COMPOSITION OF SECTIONAL COMMITTEE AND PANELS

The committee noted the information in agenda

2.1. Request for Nikhil Patel- Danfoss was accepted.

2.2 Status of participation of members in the previous three meetings inviting suggestions for improvement.

The status of participation of members in the previous two meetings of ETD 31 was also given in Annex A.1 of Agenda.

The committee noted. Chairperson stressed the importance of participation and deletion of inactive members.

ITEM 3 ACTION ARISING OF PREVIOUS MEETING.

S. NO	ITEM NO. OF PREVIOUS MEETING	DECISION	ACTIONS
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1. a	3.1 IS 15199(Part 1): 2002 IEC 61287-1:1995 Power Convertors Installed on Board Railway Rolling Stock - Part 1 Characteristic and Test Methods.	Comparison to be circulated to members. If no comments are received, process to IEC standards to be started	
1. b	IS 15199 (Part 2): 2002 IEC 61287-2:2001 Power Convertors Installed on Board Railway Rolling Stock - Part 2 Additional Technical Information		
2.	3.2 ETD 31 (12228) Solid State Battery Charger in Substation - Performance and Test Requirements	Revamped Draft to be shared with ETD. P draft to be floated.	
3.	IS 6619:1972 Safety Code for Semiconductor Rectifier Equipment	Standard archived. No update.	
4.	IS 13314:1992 Solid State Inverters Run From Storage Batteries	Standard archived. No update	
5.	Composition of Power Electronic Sectional Committee, ETD 31	New Request accepted.	
6.	7.a IS 11260 (Part 1) : 1985 IEC 60686:1980 Stabilized power supplies ac output Part 1 Ratings and performance	Standard archived. Committee member Umesh Kumar Shah, Siemens said his company does not manufacture these products. These standards have been withdrawn worldwide because UPS standards have been adopted widely. Committee requested further information. Until then the standard is archived.	
7.	7.b IS 11260 (Part 2) : 1985 IEC 60686:1980 Stabilized power supplies ac output Part 2 Tests		

ITEM 4 PRESENT POSITION OF WORK UNDER THE SCOPE OF ETD 31

4.1

The Committee noted the information in the agenda.

Nikhil Patel, Danfoss was assigned to review the IEC 61800 series and prepare a report and comparison regarding how to proceed with the IEC 61800 series.

ITEM 5 REVIEW/REAFFIRMATION OF INDIAN STANDARDS

5.1 In accordance with laid down procedures, all published Indian Standards should be reviewed by their respective Sectional Committees every five years after its publication. Status for reaffirmation is given. Committee may give more inputs for review and revision. (ANNEX 2 of agenda)

The Committee noted the information. Chair asked to circulate the standard list again to members to review before proceeding on reviews/reaffirmation. If no comments are received the standards due for reaffirmation may be confirmed.

ITEM 6 INTERNATIONAL ACTIVITIES

6.1 The present position of work including the list of published IEC Standards by the corresponding IEC/TC 22 is given in [google sheet](#). Kindly Click to see details

The Committee noted the information. Chair decided to circulate the IEC program of work again.

ITEM 7 NEW SUBJECTS AND FUTURE PROGRAMME OF WORK

7.1 IEC Market Strategy Board has published white paper on **Power Semiconductors for an energy-wise society**. Kindly go through the MSB paper to suggest new topics for standardization.

Committee members may give their proposal in format attached in Annex

7.2 New Subjects of IEC for Harmonization The committee may consider identifying the IEC publications, from the programme of work of IEC/TC 22 and IEC/SC 22 E/F/G, which may be considered for harmonization as Indian standards.

The committee may consider the adoption of the latest IEC publication. (Link for latest IEC work related to committee-

https://docs.google.com/spreadsheets/d/12qDUFR86mOfn8YuswWLncl1og24V0tL3VDJJ_v-Aln7s/edit?usp=sharing)

The Committee noted the information.

Item 8 DATES AND PLACE FOR THE NEXT MEETING

Quarterly meetings to be held.

Item 9 ANY OTHER BUSINESS

Mr . Ashok Toshniwal stressed the importance of battery chargers in substation and the importance of standardization in it. He also stressed to do it in a timely fashion. He also gave a vote of thanks to the chair and members.

ANNEX

Format for submitting New Work Item proposal for new Indian Standard

Part-1

1. Officer Name & Designation -

2. Email-ID -

3. Contact No -

4. Department –

Part – 2

5. Proposed title of Standard –

6. Aspect (Product standard/ code of practice / test method etc) –

7. Define subject of standard –

8. Select Most Relevant Technical Department –

Part – 3

9. Scope of proposed standard –

10. Purpose and Justification –

11. Likely users of standards and their input, if any –

12. Details of International standards/series of standard/system standard on the subject–

13. Name and address of manufacturers/ implementing/ industries/ purchasing organization /component supplier/ raw material supplier,

14. Any specific problem being faced without this standard –

15. Bearing with Govt. legislation regulation, etc. –

16. Status of the industry in the country (Export -Import data) –

17. Availability of test facilities in the country –

18. Details of Relevant supportive document –

19. R & D work done in India –

20. Impact on Sustainable Development Goals (SDGs)