

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 46 : Grid Integration of Renewables

Scope: To prepare standards in the field of Grid Integration comprising of LT (ON Grid, Off Grid and Hybrid with and without storage), HT and EHT for all capacities

Liaison: **IEC TC-8 SC-8A (P):** *Grid Integration of Renewable Energy Generation* **IEC TC-8 SC-8B (P):** *Decentralized electrical energy systems* **IEC TC-8 SC-8A (P):** *Renewable energy power prediction* **IEC TC-8 SC-8A (P):** *Connection of Renewable Energy with HVDC System* **IEC TC-8 SC-8A (P):** *Modeling of renewable energy generation for power system dynamic analysis* **IEC TC-8 SC-8 (P):** *Grid Integration of Renewable Energy Generation* **IEC TC-8 SC-8 (P):** *Decentralized electrical energy systems* **IEC TC-8 SC-8 (P):** *Renewable energy power prediction* **IEC TC-8 SC-8 (P):** *Connection of Renewable Energy with HVDC System* **IEC TC-8 SC-8 (P):** *Modeling of renewable energy generation for power system dynamic analysis*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 18968:2025 1547:2018	Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces		-	Modified/Technically Equivalent
2	IS 18969:2025 1547.1 : 2020	Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces		-	Modified/Technically Equivalent
3	IS 18970:2025 1547.7TM - 2013 1547.7TM - 2013	Guide for Conducting Distribution Impact Studies for Distributed Resource Interconnection		-	Identical under dual numbering
4	IS 19635:2026	Grid Integration of Renewable Energy Generation Terms and Definitions		-	
5	IS 19636:2026	Renewable Energy Power Forecasting Technology		-	
6	IS 19637:2026	Grid code compliance assessment methods for grid connection of wind and PV Power plants		-	

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	ETD 46 (25620)	Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces
2	ETD 46 (25622)	Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces
3	ETD 46 (25627)	Guide for Conducting Distribution Impact Studies for Distributed Resource Interconnection
4	ETD 46 (28391)	Grid Integration of Renewable Energy Generation Terms and Definitions
5	ETD 46 (28392)	Renewable Energy Power Forecasting Technology
6	ETD 46 (28393)	Grid code compliance assessment methods for grid connection of wind and PV Power plants
7	ETD 46 (28436)	Interconnection and Interoperability of Inverter-Based Resources IBRs Interconnecting with Associated Transmission Electric Power Systems

Total Published Standards:6 Total Standards Under development:7

Aspect Wise Report

Product : 0
Code of Practices : 2
Methods of Test : 1
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 3

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		