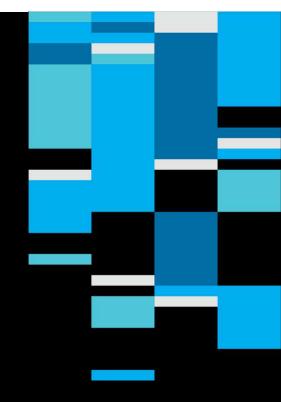


WORKING GROUP STATUS OF IEEE PC57.132 "GUIDE FOR VIBRATION TESTING OF OIL-IMMERSED HIGH-VOLTAGE DIRECT CURRENT (HVDC) CONVERTER TRANSFORMER (\pm 160 KV DC TO \pm 1100 KV DC)"

Jun Deng Working Group Chair March 5th 2025





Date and Location of Last Working Group Meeting: 19th, October 2024, Nanjing, China (Third WG meeting)





During the second WG meeting, 28 experts participated, from China Southern Power Grid, State Grid Corporation of China, North China Electric Power University, etc.)

IEEE PC57.132 Working Group discuss Meeting Sign-In Sheet [19/10/2024]				
By choosing to attend and sign in to this meeting, you acknowledge and agree that your personal data will be documented for IEEE standards development purposes to comply with policies and procedures, legal and accreditation requirements, and evaluation of patent claims by patent offices. IEEE must capture your personal data for these purposes, and will provide information about activities related to standards development groups in which you participate. IEEE standards development participation is documented through various methods, e.g., rosters, submission documents, email reflectors, records of meeting attendance, responses to ballots, publicly available participation lists, and declaration of affiliations. See the IEEE Privacy Policy at https://www.ieee.org/security-privacy.html.				
Name	Employer	Affiliations	EMail Address	Sign-in
Lygong	Ohina Southorn pourogoid.	Oblia Soughern Power grid	3863140 @ 99 CM.	Ligarg
Zhi Wang	Ohina Southern Fower Grid	Gwongolong Power Girid Co., Ltd. Donggwan Power Supply & Donggwan Power Supply Barea	ureau 553554828@gg.	com Wi Wang
Lian than y	China Southern Fower Grid	Dongguan Power Supply Barea	u 5535548-8699.	con Liao Why
Hrang Darchun	Wuhan University	Wuhan University	huangdo 99@163.com	Hung Davahum.
Day In	Clina Southour Power Gri	/	13822116195@159.com	In Dens
xie Wich	y China Souther Power Gri	China Southern Power Guid		Thickory Xie
	Chong ain university	Changing University	Thong 21 @ cqu. con	
	xian XD evansformer Co. Ltd.	Xi In xidian transformer Co. Loo		
Untongye	Shenyang Transformer INS.	Development Dep.	913396608@ 99. com	Untinguje
		inday School of Hertrica and Electoric	Engreening forgrue harbust.ea	uch forgue
Pichin Cas	Kunning Unitersity of Science and	ndagy School of Electrica and Electrica Technology School of Electrical Engances	in 398713324099.com	Pulin Cao
Zhonghuangr	T138A Heng Yang Transformer.a	eted TBBA Honglang Transformer Colle	. 2hong huangsu@163.00	n Zhong hung Si.



- ◆ WG Chair Dr. Jun Deng introduce the Agenda, Minutes from Prior Meeting and IEEE Policies (include Call for Patents, copyright policy).
- **◆** Agenda and Minutes from Prior Meeting are approved by motion without opposition respectively.



Jun Deng(CSG) and Zhicheng Xie(CSG) introduce the Draft of PC57.132 part by part, respectively. The draft has been fully discussed by WG members, some suggestions have been proposed:

- a) In the Chapter 5, it should point out that when conducting multiple vibration tests on the same transformer, it is advisable to maintain consistent sensor positions for comprehensive analysis.
- b) Supplement the requirements for fiber optic vibration measurement in Chapter 7, including sensor types and installation forms, as well as requirements for voltage and current measurement devices such as load rate, range, frequency response, etc.
- c) In Chapter 7, it is necessary to separately describe the internal vibration measurement and external vibration measurement of transformers.
- d) The technical requirements for vibration sensors require a clear distinction between steady-state and transient technical conditions.



- e) Attention to copyright issues in the layout diagram of vibration testing points.
- f) The case in Appendix C needs to be supplemented with the basic information of the tested equipment, vibration distribution, vibration signal extraction and analysis, etc.





According to the comments of the last meeting (19th, October 2024 in Nanjing, China), the WG has made revisions to the draft and plans to hold the 4th WG meeting for discussion in the near future(April 2025, Nanchang, China). Besides, we plan to go to Sweden and discuss with ABB company this year (this autumn).





NEXT PLAN

Next WG Meeting

The next meeting is planned to be held at Nanchang China in April 2025.



THANK YOU

Dr. Jun Deng

WG Chair

China Southern Power Grid

13822116195@139.com



