

IEEE/PES TRANSFORMERS COMMITTEE

Power Transformers Subcommittee

Task Force on Distributed Photo Voltaic (DPV) Grid Transformers

Unapproved Meeting Minutes

Boston, MA, USA

Tuesday, November 1, 2011

Agenda

Approval of San Diego Meeting

Review of the final revision of the TF Position Paper

Review of the poll results and the PAR application for the WG on Guide development

Review of the received comments

New business

Adjournment

The Task Force met in the Pacific AB of the Renaissance Waterfront Hotel.

The meeting was called to order at 11:00 am by Chairman Hemchandra Shertukde.

The meeting was convened with 12 members (out of current 23 members - quorum) and 18 guests present. 6 guests requested membership.

The IEEE patent recommendations were addressed; no patents or patent claims were identified in relation to the work of TF.

Old Business

San Diego's meeting minutes were approved.

New business

- The TF Chair reviewed the e-mail from the PT Committee Chairman T. Lundquist:

- after PT SC meeting in Boston, TF will be dissolved
- the work is completed as the assignment is accomplished
- the Chair of PT SC has the request to determine which SC a WG shall be assigned
- Bill Bartley has a copy of the PAR and it's on hold until SC is determined
- Bill Chiu has a copy of the proposed paper for review to determine, if it may be published as a result of the TF work

# IEEE/PES TRANSFORMERS COMMITTEE

## Power Transformers Subcommittee

### Task Force on Distributed Photo Voltaic (DPV) Grid Transformers

- B. Chiu commented that he is not completely sure that the questions assigned to the TF were completely and clear answered, specifically – what are the issues that are not addressed in other standards. This initiated a discussion.

- S. Levin reviewed the Conclusion Chapter of the Position paper for the group. He also described the TF poll results, confirming that TF recommended to continue work towards the Guide in the WG format.
- D. Ayers commented that the recommendations on the resolution of the specific technical aspects may have been in other standards, but users may not aware about those aspects at all. Guide would describe the operating conditions and points of attention in one document.
- Jin Sim questioned whether TF concluded their work. He referred to C57.12.00 (unusual service conditions) and commented that he thinks that all specific issues of DPV Grid Transformers can be addressed within existing standards.
- E. Betancourt – different players (transformer and inverter OEM, owners and end users) involved in the process. Practically, there is no much support shown by inverter manufacturers. The specific issues with large inverters may include inrush current, electrostatic shielding, etc.). Document addressing the typical operational environment can be helpful.
- J. Watson informed PT SC concluded that TF completed the assignment. The decision on the publishing the TF work paper is a different question.
- K. Yule commented that, as a buyer of the systems, he recognized that standard commodity transformer approach may not be appropriate for all cases (wind industry example), but he would not like to see that inverter industry drives the solution that require very sophisticated and expensive transformers.
- S. Schroeder reminded that it maybe better to try addressing the specific constrains of the application on the early stages, then start working on them after problem occurred (again, wind industry examples).

- PAR and WG.

- S. Levin reviewed the PAR document on the User's Guide submitted to PT SC.
- B. Chiu – in order to decide on the next steps in this work, the PAR shall have sponsor.
- H. Shertukde – can new SC of “special transformers” be created?
- B. Chiu had the motion to request TF Chair to submit PAR to the Performance Characteristic SC as a new business. It was seconded and approved with 11 members approved and 1 abstained.

With no new business the TF was disbanded.

Meeting adjourned at 12:00 AM.

Chairman: Hemchandra Shertukde, Vice Chairman: Mathieu, Sauzay  
Secretary: Sasha Levin