Editor's Report – Fall 2003 Pittsburgh Meeting

Between April 2003 and October 2003, a total of (41) papers and in the transformer area (25 new and 16 revised) were submitted to IEEE Transactions on Power Delivery. During this time (29) reviews were completed and (12) reviews are in-progress. For completed reviews, the recommendations were: Accept without changes (12), Revise and Resubmit (11), and Reject (6). A complete summary of these papers is listed below.

I would like to thank all of the reviewers who volunteered for this effort and donated many hours of their time over that past three years. I sincerely appreciate your time and effort.

Mark Christini
Editor, IEEE Transactions on Power Delivery

Accept without changes

TPWRD-00390-2002.R2	IMPROVED INSERT GEOMETRY FOR REDUCING TANK WALL LOSSES IN PAD-MOUNTED TRANSFORMERS	Olivares
TPWRD-00012-2003.R1	An Evidential Reasoning Approach to Transformer Condition Assessments	Tang
TPWRD-00015-2003.R1	Deriving an Equivalent Circuit of Transformers Insulation for Understanding the Dielectric Response Measurements	Saha
TPWRD-00039-2003.R2	Estimation of the Hottest Spot Temperature (HST) in Power Transformers Considering Thermal Inhomogeniety of the Windi	Pradhan
TPWRD-00056-2003.R1	Sensitive online PD-Measurements of on site Oil/Paper-insulated Devices by means of optimized Acoustic Emission Techniques (AET)	Grossmann
TPWRD-00072-2003.R1	Development of a DC Current-Blocking Device for Transformer Neutrals	Bolduc
TPWRD-00104-2003.R2	Fault Diagnosis of a Power Transformer Using an Improved Frequency Response Analysis	Kim
TPWRD-00127-2003.R1	Power Transformer Temperature Evaluation for Overloading Conditions	Jardini
TPWRD-00130-2003.R3	Efficient Operation Regions of Power Distribution Transformers	Yang
TPWRD-00278-2003	Analysis of a Ferro-Resonant Circuit Using Bifurcation Theory and Continuation Techn	Zhou
TPWRD-00301-2003.R1	Dynamic Thermal Modelling of Power Transformers	Susa
TPWRD-00367-2003	A Controllable Reactor of Transformer Type	Tian

Revise and Resubmit

TPWRD-00039-2003.R1	Estimation of the Hottest Spot Temperature (HST) in Power Transformers Considering Thermal Inhomogeniety of the Windings	Pradhan
TPWRD-00104-2003.R1	Fault Diagnosis of a Power Transformer Using an Improved Frequency Response Analysis	Kim
TPWRD-00130-2003.R1	Efficient Operation Regions of Power Distribution Transformers	Yang
TPWRD-00130-2003.R2	Efficient Operation Regions of Power Distribution Transformers	Yang
TPWRD-00177-2003	Specifying Transformer Winter and Summer Peak-load Limits	Li
TPWRD-00240-2003	A Neutral Resistor Based Technique For Transformer Inrush Current Reduction, Part I: Simulation and Experimental Results	Xu
TPWRD-00241-2003	A Neutral Resistor Based Technique For Transformer Inrush Current Reduction, Part II: Theoretical Analysis and Design Guide	Xu
TPWRD-00289-2003	Improvement of the Cooling Process of Oil Immersed Electrical Transformers Using Heat Pipes	Rosas
TPWRD-00301-2003	Dynamic Thermal Modelling of Power Transformers	Susa

TPWRD-00339-2003	A Complete Transient Model for Three Phase Power Transformers Using a Wavelet Filter Bank	Saleh
TPWRD-00375-2003	A Transformer Transfer Voltage Simulation Method Based on Approximate Frequency Characteristic Curves	Funabashi

Reject

TPWRD-00066-2003.R1	Experimental Investigation of Internal Short Circuit Faults Leading to Advanced Incipient Behavior and Failure of a Distribution Transformer	Butler-Purry
TPWRD-00185-2003	Transformer Design Considering Restrained Inrush Current Based on Four-Layer Structure	Cheng
TPWRD-00227-2003	IR Thermographic Condition Monitoring of Power Transformers using Statistical and Neural Network techniques	Willis
TPWRD-00261-2003	Dissolved Gas Analysis Using Evidential Reasoning with Fuzzy Sets	Spurgeon
TPWRD-00264-2003	Application of Self-Organizing Map(SOM) to Prediction of Oil Temperature of a Substation Transformer	Ohkita
TPWRD-00381-2003	Intershielded Disc Windings in Power Transformers	Ryder

Still In Progress

TPWRD-00339-2003.R1	A Complete Transient Model for Three Phase Power Transformers Using a Wavelet Filter Bank	Saleh
TPWRD-00346-2003	DERATING OF TRANSFORMERS FOR OPERATION UNDER EXTREME WEATHER CONDITIONS IN NETWORKS HAVING OTHER VOLTAGE AND/OR FREQUENCY RATINGS	Saied
TPWRD-00404-2003	Electromagnetic and acoustic emissions to diagnose complex electrical and mechanical structures	Muzi
TPWRD-00412-2003	A moisture-in-oil model for power transformer monitoring. Part II: Experimental verification	García
TPWRD-00413-2003	A moisture-in-oil model for power transformer monitoring. Part I: Theoretical Foundation	García
TPWRD-00414-2003	Measured Transformer Derating and the Comparison with IEEE C57.110	Najdenkoski
TPWRD-00433-2003	An Effort to Understand What Factors Affect the Transfer Function of a Two-Winding Transformer	Satish
TPWRD-00455-2003	Transformer Modeling for Low- and Mid-Frequency Transients – The State of the Art	Martinez
TPWRD-00464-2003	Fuzzy-Neural Power Transformer Diagnostic System with Auto-Generation of Fuzzy Rules	Chang
TPWRD-00465-2003	Analysis of Ultrasonic Signal by Partial Discharge and Noise from the Transformer	Kweon
TPWRD-00492-2003	Voltage sag effects on three-phase transformers. Part I: Simulation results	Sainz
TPWRD-00493-2003	Voltage sag effects on three-phase transformers. Part II: Theoretical study	Sainz

All members of the IEEE Transformer Committee are invited to review technical papers. To review IEEE Transaction Papers on transformers, please sign up at: http://tpwrd-ieee.manuscriptcentral.com/

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3. Please specify any “Specialty / Area of Expertise” according to the 5 numerical codes below:

    13a: Power and Instrument Transformers
    13b: Insulating fluids category
    13c: Dielectric Testing
    13d: Audible Noise and Vibration
    13e: Transformer Modeling Techniques

4. Please specify any “Key Words” such as: distribution transformers, core losses, oil DGA, or thermal, for example.
5. Submit your information.
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