



CIGRÉ

International Council on Large Electrical Systems

Liaison Report on SCA2 Transformers for IEEE Transformers Committee Meeting March 2018, Pittsburgh

Craig Swinderman

IEEE PES Transformers Committee - Pittsburgh, PA, USA, March 26th-29th, 2018

Study Committees

SC A1: Rotating Electrical Machines

SC A2: Transformers

SC A3: High Voltage Equipment

SC B1: Insulated Cables

SC B2: Overhead Lines

SC B3: Substations

SC B4: HVDC and Power Electronics

SC B5: Protection and Automation

SC C1: System Development and Economics

SC C2: System Operation and Control

SC C3: System Environmental Performance

SC C4: System Technical Performance

SC C5: Electricity Markets and Regulation

SC C6: Distribution Systems and Dispersed Generation

SC D1: Materials and Emerging Test Techniques

SC D2: Information Systems and Telecommunication

SC A2 Activities

Working Group	Topic	Summary
A2.43	Bushing Reliability	In process
A2.45	Transformer Failure Investigation	In process
A2/D1.46	Field Experience with transformer solid insulation	In process
D1/A2.47	New Frontiers of DGA Interpretation for Power Transformers and Their Accessories	In process
A2.49	Condition Assessment of Power Transformers	In process
A2/D1.51	PD Measurements	In process
A2/C4.52	HF Transformer and Reactor Models	In process
A2.53	FRA Interpretation	In process
A2.54	Audible Sound Requirements	In process
A2.55	Transformer Life Extension	In process
A2.56	Transformer Efficiency	In process
A2.57	Effects of DC Bias	In process
A2.58	Site Installation and Pre-commissioning of Power Transformers and Shunt Reactors	In process
A2.59	On-site assembly, On-site Rebuild, and On-site Testing of Power Transformers	In process

Possible New Working Group

- A2/D1: possible Task Force on Degree of Polymerization of new and aged cellulosic electrical insulating materials

Recent Publications

- A2.45: Transformer Post-Mortem Analysis

Will be part of a SC A2 Tutorial Presentation at upcoming CIGRÉ Session 47.

Upcoming Events

- **CIGRÉ Session 47**
 - Paris, France, August 26-31, 2018
 - Preferential Topics for A2:
 1. Thermal Characteristics of Transformers
 2. Advances in Diagnostics and Modelling
 3. Site Commissioning Tests

- **CIGRÉ US Committee 2018 Grid of the Future**
 - Reston, VA, October 28-31, 2018

- **A2/B3 Study Committee Colloquium**
 - Delhi, India 2019



A2 Liaison Report

THANK YOU!