

IEC TC14 Power Transformers

Report to IEEE Transformers committee

Spring 2013 Meeting Munich

- **Last TC14 meeting Manchester UK 20-21st September 2012**
- **Next meeting Milwaukee 17-18th October 2013**
- **Website WWW.IEC.CH/TC14**
- **Summary of projects and publications**
- **www.electropedia.org - comprehensive electrotechnical vocabulary reference**

New documents in development

- **IEC 60076-19 Rules for the determination of uncertainties in loss measurement**
 - New technical report based in an existing CENELEC document
 - Positive vote on draft , publish 2013
- **IEC 60076-20 Energy efficiency**
 - Slow progress no draft yet, EU regulation in final stages.
 - to be two documents $>36\text{kV}$ and $\leq 36\text{kV}$.

IEC TC14 revisions in progress

- **IEC 60076-3 Dielectric tests**
 - Final Draft for vote issued voting closes 3rd May
- **IEC 60076-10 Determination of Sound Levels**
 - Comments received on first committee draft – expect draft for vote soon
- **IEC 60076-10-1 Sound Level Application Guide**
 - Work started, first CD expected May

Revisions in progress

- **IEC 60076-14 Transformers using high temperature insulation materials**
 - CDV circulated positive vote
 - final draft and publication expected soon
- **IEC 61378-3 Converter transformers – Application Guide**
 - CD issued comments received Sept 2012
 - Draft for vote expected soon

Revisions in progress

- **IEC 60214 Tap changers**
 - First committee draft comments received
 - CDV complete should be circulated in April
- **IEC 60076-15 Gas Filled Transformers**
 - CD circulated

IEC TC14 / IEEE joint work

- **IEC 60076-57-1202 Liquid Immersed Phase shifting Transformers**
 - First meeting held, next meetings Tuesday and Thursday
- **EC 60076-16 Transformers for wind turbines**
 - joint revision of IEC document into dual logo
 - Meeting Tuesday
- **IEC 61378-2 HVDC converter transformers**
 - Possible joint work to produce dual logo

IEC TC14 proposals for new work

- **Publish EN 50216 Transformer and Reactor Fittings as IEC documents**
 - Ad hoc group recommended 3 parts
 - Protective devices (alarms and trips)
 - Cooling
 - Accessories (passive)
- **TR60616 Terminal and tapping markings**
 - Issue as IEC 60076-9
- **IEC 60076-7 Loading Guide**
 - Propose to start revision convenor appointed