

IEC TC14 Power Transformers
Report to IEEE Transformers committee Fall 2012 Meeting Milwaukee

- Last 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

IEC TC14 new documents published

- **IEC 60076-18 Measurement of Frequency Response**
 - Edition 1 published July 2012
- **IEC 60076-21 Standard requirements, terminology and test code for step voltage regulators**
 - Edition 1 published December 2011
 - IEEE document published as dual logo

Revisions published

- **IEC 62032 Guide for the application, specification and testing of phase shifting transformers**
 - Edition 2 published June 2012
 - IEEE guide published as dual logo
- **IEC 61378-1 Converter transformers - Transformers for industrial applications**
 - Edition 2 issued July 2011

New documents in development

- **IEC 60076-19 Rules for the determination of uncertainties in loss measurement**
 - New document based in an existing CENELEC document
 - First draft completed, publish 2013
- **IEC 60076-20 Energy efficiency**
 - Work started but progress interrupted by work on EU regulation now to be two documents >36kV and ≤36kV.

IEC TC14 revisions in progress

- **IEC 60076-3 Dielectric tests**
 - Document has been simplified and many conflicts with IEEE removed - substantial change – many comments
 - Final Draft for vote to be issued very soon
- **IEC 60076-10 Determination of Sound Levels**
 - Comments received on first committee draft - CDV November 2012
- **IEC 60076-10-1 Sound Level Application Guide**
 - Work started, first CD expected May 2013
- **IEC 60076-14 Transformers using high temperature insulation materials**
 - CDV circulated comments received
 - final draft and publication 2013
- **IEC 61378-3 Converter transformers – Application Guide**
 - CD issued comments received Sept 2012
- **IEC 60214 Tap changers**
 - First committee draft comments received
 - CDV early 2013

IEC TC14 / IEEE joint work

- **IEC 60076-57-1202 Liquid Immersed Phase shifting Transformers**
 - New joint standard, work agreed and in progress
- **IEC 60076-16 Transformers for wind turbines**
 - joint revision of IEC document into dual logo
 - Work started
- **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