**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](http://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
* **EC 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 hock 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