**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