INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE No.17: SWITCHGEAR AND CONTROLGEAR

SUBCOMMITTEE 17C: HIGH VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES

AWG 21: Report on Medium Voltage Standards and Activities

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-200 (IEC 60298)	A. C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	2003-11	2006	2009	MT14	Standard

This revised standard with the introduction of the new categories and classes seems to be well accepted by the market. However, during this transition periods, several points appeared to be unclear or uncompleted.

The early review date should be maintained.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-201 (IEC 60466)	A. C. insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 38 kV	1987-01	2003	2007	MT14 PT2	Standard

This standard is now at the CDV stage (17C/347/CDV) with a positive vote to proceed to the FDIS stage. The Publication is due in 2006. No drastic changes were implemented and the validity date shall be a normal 10 years time. To note that this standard should gain importance with the increasing use of solid insulation in switchgear.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-202 (IEC 61330)	Prefabricated HV-LV substations	1995-12	2002	2004	MT14 PT1	Standard

This standard is now at the CDV stage (17C/349/CDV) with a positive vote to proceed to the FDIS stage. The main changes in this new version is the introduction of Internal Arc Classes based on type tests. However, no difficulties in implementation are expected, to be confirmed by field feed back after the standard is published. A normal maintenance cycle period should be chosen.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-206 (IEC 61958)	Voltage Presence Systems	2000-11	2005	2010	MT??	Standard

This standard has a limited application in a sector with limited changes. No activity seems necessary for the time being.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-304 (IEC 60932)	Additional requirements for enclosed switchgear and controlgear from 1 kV to 72.5 kV to be used in severe climatic conditions	1988-01	2004	2008	MT19	IEC Report

This report revision is under progress, the first CD being expected for December 2005 and publication in 2007. No comments till the new document is issued.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-xxx PNW	Measurement or Calculation of EMF in High Voltage Switchgear and Controlgear Assemblies					

This is an important new work for the application of medium voltage substation in the vicinity of the public. The NP was circulated. When the WG is set, the document should be readily available based on the existing material already circulated.

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-xxx PWI	Medium Voltage switchgear and controlgear assemblies : type-tested and partially type-tested assemblies					

In the market, questions related to the validity of type tests when applied to a large variety of switchgear assemblies regularly arise. This question can be of prime importance with regard of responsibility of the different actors involved in the switchgear assemblies business (manufacturers, pannel buiders, etc). A work in this direction should be considered .

Publication No.	Title	Date of publ.	Review date	Validity Date (Maintenance Result Date)	Resp.	Final stage
IEC 62271-xxx PWI	Seismic qualification for Medium Voltage assemblies					

The need for a reference document in this field is still valid.