

DATE: October 14, 2001
TO: Members of IEEE Transformers Committee
FROM: Tom Prevost, Standards Subcommittee Chair
SUBJECT: Standards Activities since the April, 2001 Meeting

TRANSFORMERS STANDARDS AND COORDINATION ACTIVITIES

The transformers standards status is given with two attachments:

Attachment 1 is a list of all the C57 standards, including ANSI C57 standards, sorted by Subcommittee names. It contains a listing of the projects for which a Subcommittee is responsible, and coordination activities with other PES Committees. The standards that are not assigned yet, or do not belong to the Transformers committee, are listed under the Standards Subcommittee. For the publication of the Transformers Committee minutes, this attachment will be sorted by Subcommittee names, and each section will accompany the corresponding Subcommittee report.

Attachment 2 is a report of coordination activity on standards belonging to other PES Committees. This attachment is sorted by PES Committee names.

DOCUMENTS SUBMITTED TO THE STANDARDS BOARD

NESCOM (PARs)

PC57.12.37 - This project is currently being reviewed via continuous processing. If the project is approved, approval should be given by 1 November.

PC57.12.20 - This project is slated to be on the December agenda; however, I have not yet received the signature page.

13 June 2001

PARS FOR REVISIONS OF STANDARDS

PC57.12.00 (PE/TR) Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

Recommendation: Approve PAR for the revision of a standard until December 2005.

PC57.12.90 (PE/TR) Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers (Previously Approved PAR)

Recommendation: Approve PAR for the revision of a standard until December 2005.

REVCOM (Standards)

12 September 2001

NEW STANDARDS

PC57.119/D14 (PE/TR) Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Ratings

Approved

13 June 2001

REAFFIRMATION

C57.16-1996 (PE/TR) Standard Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors

Recommendation: APPROVE

C57.93-1995 (PE/TR) Guide for Installation of Liquid-Immersed Power Transformers

Recommendation: APPROVE

PARs Due to Expire

The projects listed below will be four years old by the end of 2001 and action will be required.

- PC57.106 Guide for Acceptance and Maintenance of Insulating Oil in Equipment

- PC57.139 Guide for Dissolved Gas Analysis in Transformer Load Tap Changers

If the projects will not be submitted to RevCom in time for the December 2001 meeting, you have the following options:

1. Request an extension for the project. The Target Extension Request Form can be found at <http://standards.ieee.org/guides/par/extension.html>. Please note that this extension request can now be from one to four years.
2. Request withdrawal of the project.

Standards to be Withdrawn

PE/TR has some standards that are due for their 5-year review by the end of 2001. {Standards have a five-year lifespan.} An action is required of the Sponsor. Available choices:

- a) reaffirm
- b) revise
- c) extend
- d) withdraw

I MUST RECEIVE A RESPONSE BY THE 26 OCTOBER 2001 SUBMITTAL DEADLINE (FOR THE DECEMBER 2001 STANDARDS BOARD MEETING SERIES). IF NO RESPONSE IS RECEIVED, THE STANDARDS IN QUESTION WILL BE PLACED ON THE AGENDA FOR ADMINISTRATIVE WITHDRAWAL.

If the Sponsor chooses to revise or reaffirm and the action cannot be completed by the submittal deadline, please send me an email requesting an extension of the life of the current standard and notification of the actions that are being taken. {Please let me know approximately when the reaffirmation will be submitted; or when the PAR for revision will be submitted to NesCom and the estimated completion date for the revision project.}

If there is no further interest in a standard and the Sponsor wishes it to be withdrawn, you do not need to ballot. It will be administratively withdrawn in December 2001.

The standards in question are:

637-1985 Guide for the Reclamation of Insulating Oil and Criteria for Its Use

C57.12.20-1996 Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller, High-Voltage 34 500 Volts and Below; Low-Voltage, 7970/13 800Y Volts and Below

C57.12.35-1996 Standard for Bar Coding for Distribution Transformers

C57.12.40-1993 Standard for Requirements for Secondary Network Transformers - Subway and Vault Types (Liquid Immersed)

C57.12.58-1991 (R1996) Guide for Conducting a Transient Voltage Analysis of a Dry Type Transformer Coil

C57.19.03-1996 Standard Requirements, Terminology, and Test Code for Bushings for DC Applications

C57.19.100-1995 Guide for Application of Power Apparatus Bushings

C57.21-1990 (R1995) Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

C57.91-1995 Guide for Loading Mineral-Oil-Immersed Transformers
{Note: The PAR for PC57.91-1995/Corr 1, originally approved March 2000, will be effected if this guide is withdrawn.}

C57.111-1989 (R1995) Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers

C57.124-1991 (R1996) Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry Type Transformers

C57.131-1995 Standard Requirements for Load Tap Changers

BALLOT STATUS

Ballot Number	Type of Ballot	Sponsor (Soc/Com)	Ballot Opened	Schedule d Close Date	# of Ballots	Balloting Results			Remarks
						Aff	Ne g	A bs	
Std.C57.93	Reaff.	PE/TR	2000/11/20	2000/12/29	126	96%	0%	3%	
Std.C57.93	Reaff.	PE/TR	2000/11/20	2000/12/29	126	96%	4%	3%	
PC57.12.80/D3	2nd Recirc.	PE/TR	2001/01/22	2001/03/02	155	93%	7%	3%	
PC57.135/D12	Recirc.	PE/TR	2001/02/16	2001/03/09	104	94%	6%	8%	
Std.C57.16	Reaff.	PE/TR	2001/02/26	2001/04/06	74	100%	0%	3%	
PC57.12.59/D3.2	Rev.	PE/TR	2001/02/26	2001/03/27	69	96%	4%	1%	Electronic Ballot
PC57.123/D1.7	New	PE/TR	2001/03/02	2001/04/11	149	99%	1%	4%	
Std.C57.19.100 Reaff	Recirc.	PE/TR	2000/03/12	2001/04/19	14	96%	3%	3%	
C57.119/D13+1	Recirc	PE/TR	2001/04/03	2001/05/14	124	99%	1%	1%	
PC57.133/D4	Rev.	PE/TR	2001/05/11	2001/06/20	133	97%	1%	3%	
C57.21	Reaff.	PE/TR	2001/07/31	2001/09/10	78				
PC57.12.59/D4	Recirc	PE/TR	2001/08/29	2001/09/27					Electronic Ballot
C57.106/D6.1	Rev.	PE/TR	2001/08/20	2001/10/01	132				

NEXT STANDARDS BOARD MEETINGS AND SUBMITTAL DEADLINES

Meeting date

Deadline for Submittal of PAR (1) or Draft Standard (2)

December 5, 2001
March 20, 2002
June 11, 2002
September 10, 2002

October 26, 2001
February 8, 2002
May 3, 2002
August 2, 2002

- (1) A PAR must be sent to the Standards Subcommittee Chair before the stated deadline.
- (2) Standards must be submitted directly to the IEEE Standards Department by the Working Group Chair before the stated deadline to be considered at the next Standards board Meeting.

Note:

The PAR form has been revised. To locate the current PAR form please go to <http://standards.ieee.org/guides/par/index.html>. Also, a new Target Extension Request form is to be used for all extension requests for PARs and is located at <http://standards.ieee.org/guides/par/extension.html>.

Current List of ALL Open Standards Project (from IEEE Web site)

Active PARS

[PC57.12.00](#) (PE/TR) Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

[PC57.12.34](#) (PE/TR) Requirements for Pad-Mounted, Compartmental-Type, Self Cooled, Three-Phase Distribution Transformers, 2500 kVA and Smaller: High-Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 480 Volts and Below

[PC57.12.59](#) (PE/TR) Guide for Dry-Type Transformer Through-Fault Current Duration

[PC57.12.80](#) (PE/TR) Standard Terminology for Power and Distribution Transformers

[PC57.12.90](#) (PE/TR) Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

[PC57.13](#) (PE/TR) Standard Requirements for Instrument Transformers

[PC57.13.5](#) (PE/TR) Standard for Test Requirements for Instrument Transformer of a Nominal Voltage of 115 kV and Above

[PC57.15](#) (PE/TR) Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators

[PC57.19.00](#) (PE/TR) General Requirements and Test Procedures for Power Apparatus Bushings

[PC57.91-1995/Cor 1-200x](#) (PE/TR) Corrigenda for C57.91-1995, Guide for Loading Mineral-Oil-Immersed Transformers

[PC57.104](#) (PE/TR) Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers

PC57.106 (PE/TR) Guide for Acceptance and Maintenance of Insulating Oil in Equipment

PC57.113 (PE/TR) Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

PC57.119 (PE/TR) Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Rating

PC57.123 (PE/TR) Guide for Transformer Loss Measurement

PC57.130 (PE/TR) IEEE Trial-Use Guide for the Use of Dissolved Gas Analysis During Factory Temperature Rise Tests for the Evaluation of Oil-Immersed Transformers and Reactors

PC57.133 (PE/TR) Guide for Short Circuit Testing of Distribution and Power Transformers

PC57.135 (PE/TR) Guide for the Application, Specification and Testing of Phase Shifting Transformers

PC57.140 (PE/TR) Evaluation and Reconditioning of Liquid Immersed Power Transformers

PC57.141 (PE/TR) Guide for the Application of Load Tap Changers

PC57.142 (PE/TR) A Guide To Describe The Occurrence And Mitigation Of Switching Transients Induced By Transformer-Breaker Interaction