

Standards Report

To: Members of IEEE Transformers Committee

From: William H. Bartley, Standards Coordinator

Date: March 1, 2010

Re: Transformer Standards Activity

Executive Summary

This report covers the Transformer Standards activity for the five-month period of Oct 1 2009 to Mar 1, 2009. The Transformer Committee is responsible for approximately 90 active standards, plus 44 projects for new standards and revisions. In the last five months, one Revision and two Reaffirmations were approved by RevCom. In this same period, NesCom approved three PARs for Revisions, three PAR modifications, five PAR extensions and two PAR Withdrawals.

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Important Announcement from IEEE SA

The IEEE-SA has implemented a notification of the Obligations for Participation in IEEE Standards Development, which will be launched on 31 March 2010. This notification to all IEEE standards participants outlines the expectations for any person that participates in IEEE standards development. Participants may be required to acknowledge that they are bound by the Obligations for Participation in IEEE Standards Development prior to accessing IEEE-SA systems, e.g., myProject™ and myBallot™. The text of the Obligations is available on the preview site at <http://standards.ieee.org/board/pro/2009changes-31Mar2010.pdf>

NOTE: After March 31, until you accept the Obligations for Participation agreement, you will no longer have access to IEEE-SA tools (for example myProject or myBallot) and will not be able to participate in the IEEE Sponsor ballot process.

I. NESCOM \ PAR Activities

PARs approved for New Standards

None

PARs approved for Revisions

PC57.12.01 Std for General Requirements for Dry-Type Distribution and Power Transformers -*until Dec 2013*

PC57.96 Guide for Loading Dry-Type Distribution and Power Transformers -*until December 2013*

PC57.104 Guide for Interpretation of Gases Generated in Oil-Immersed Transformers -*until December 2014*

PAR Modifications

PC57.12.00 Std for General Requirements for Distribution, Power, and Regulating Transformers - *until December 2011*

PC57.131 Standard Requirements for Tap Changers - *Modified PAR approved until December 2010*

PC57.32 Standard Requirements, Terminology and Test Procedures for Neutral Grounding Devices

This was approved until Dec 2011, contingent on PAR project plan changed to show an October 2011 submission.

PAR Extension Requests

P1277 Std General Requirements & Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission *Extension Request Approved until December 2010*

PC57.91 Guide for Loading Liquid Immersed Transformers and Voltage Regulators
Extension Request Approved until December 2010

PC57.139 Guide for Dissolved Gas Analysis in Transformer Load Tap Changers
Extension Request Approved until December 2010

PARs WITHDRAWN

PC57.133 Guide for Short-Circuit Testing of Distribution & Power Transformers – *withdrawn Dec 2009*

PC57.151 Guide for Sound Level Measurement Guide for Liquid & Dry Type Transformers and Reactors
This PAR will be withdrawn in March 2010. A significant amount of new information needs to be evaluated and incorporated into the current sound measurement procedures. The work may involve making major modifications to all the work that has been done so far. NesCom and the PAR submitter have agreed that it would be best to withdraw this PAR, regroup and then take out a new PAR which will provide four years to accomplish this work.

II. REVCOM \ Standards Activities

NEW Transformer Standards Approved

None

Revisions Approved until 2014

PC57.12.34 Std for Requirements for Pad-Mounted, 3ph Distribution Transformers, <5 MVA

Reaffirmations until 2014

C57.121- Guide for Acceptance and Maintenance of Less Flammable Hydrocarbon Fluid in Transformers

C57.124 - Rec Practice for Detection of Partial Discharge & Measurement of Apparent Charge in Dry-Type Transformers

Other Standards Activity

REVCOM approved an extension of the following TC standards, because of Work in Progress.

32- Standard Requirements, Terminology, and Test Procedures for Neutral Grounding Devices *PAR mod approved until 2011. Revcom: Extend for duration of the modified PAR.*

259- Std Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty & General-Purpose Transformers *Reaffirmation ballot is in progress. Revcom: Extend until December 2010.*

1277- General Requirements & Test Code for Dry-Type and Oil-Immersed Smoothing Reactors -
Revision ballot in progress & PAR extension submitted. Revcom: Extend for duration of the PAR (Dec 2010)

C57.19.00 - Std General Requirements & Test for Power Apparatus Bushings -
Reaffirmation ballot in progress. Revcom: Extend until December 2010.

C57.91- Guide for Loading Mineral-Oil-Immersed Transformers
PAR extension request submitted to NesCom. Revcom: Extend for the duration of the PAR (Dec 2010)

C57.96 - Guide for Loading Dry-Type Distribution & Power Transformers
Revision PAR submitted to NesCom. Revcom: Extend for the duration of the PAR. (Dec 2013)

C57.131- Std Requirements for Load Tap Changers
PAR extension request submitted to NesCom. Revcom: Extend for the duration of the PAR. (Dec 2010)

III. Standards Board March Agenda

The following Transformer Standards & PARs are on the [March Agenda](#) for consideration

[REVCOM](#)

Revision of P1277/D7 Standard General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission

Reaff of 259-1999 (R2004) Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers

Reaff of C57.144-2004 IEEE Guide for Metric Conversion of Transformer Standards

[NESCOM](#)

PAR Modification for **P65700-19-03** Standard for Bushing for DC application

New PAR for **PC57.155** Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester Immersed Transformers

PAR for **Revision** of **PC57.12.38** Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers; HV 34 500 GrdY/19 920 V and below, LV 480/240 V; 250 kVA and Smaller

PAR for **Revision** of PC57.13 Standard Requirements for Instrument Transformers

PAR for **Revision** of PC57.120 Guide for Loss Evaluation of Distribution and Power Transformers and Reactors

IV. 2010 IEEE Standards Board Meeting Schedule

2010 DEADLINES for NesCom and RevCom Submissions:

March Meeting	February 12, 2010
June Meeting	May 7, 2010
September	August 20, 2010
December	October 18, 2010

IV. 2010 Standards Board Meeting Schedule

2010

IEEE Standards Association Governance Meetings Schedule

JANUARY	JULY	January	February	March
	15 RAC – San Diego, CA	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
FEBRUARY	AUGUST	April	May	June
9-14 IEEE BoD Series – Atlanta, GA	17-18 CAG – Piscataway, NJ	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
23 Int'l Ad-Hoc – Piscataway, NJ	SEPTEMBER	July	August	September
24 Bus. Dev Ad-Hoc – Piscataway, NJ	28-30 SidsBd/Cmte Mtgs – Berlin, Germany	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
24 BoG PM caucus – Piscataway, NJ	OCTOBER	October	November	December
25 BoG – Piscataway, NJ	NOVEMBER	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	S M T W TH F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
MARCH	16-21 IEEE BoD Series – New Brunswick, NJ			
8-12 CAG – India	30 CAG – Piscataway, NJ			
23-25 SidsBd/Cmte Mtgs – Piscataway, NJ	DECEMBER			
APRIL	1 CAG – Piscataway, NJ			
	2 Int'l Ad-Hoc – Piscataway, NJ			
MAY	3 Bus. Dev Ad-Hoc – Piscataway, NJ			
11-12 CAG – Telecon 9-11 a.m. ET	3 BoG –PM caucus – Piscataway, NJ			
24 Int'l Ad-Hoc – Beijing, PRC	4 BoG – Piscataway, NJ			
25 Bus. Dev Ad-Hoc – Beijing, PRC	5 Awards Ceremony – New Brunswick, NJ			
25 BoG PM caucus – Beijing, PRC	6-8 SidsBd/Cmte Mtgs. – Piscataway, NJ			
26 BoG – Beijing, PRC				
JUNE				
15-17 SidsBd/Cmte Mtgs – Piscataway, NJ				
22-27 IEEE BoD Series – Montreal, Canada				

Deadlines for AudCom/NesCom/RevCom
 Submissions:
 12 February
 7 May
 20 August
 18 October

V. Transformer Committee Ballot Status

(as of Mar 1, 2010)

Subcommittee	Standard	Status	Ballot Closed
Bushing	C57.19.00-2004	Comment Resolution Extended until Dec 2010	17-Sep-09
Dielectric	PC57.113	Submitted to Revcom	2/7/10
Dist	PC57.12.30	Comment Resolution 1	2/21/10
Dist	PC57.12.31	Comment Resolution 1	2/21/10
Dist	PC57.12.34	Revision APPROVED Dec 09	09-Oct-09
DryType	C57.124	Reaff Approved Dec 09	3/11/09
DryType	259-1999	On March Agenda @ Revcom	12/21/09
HVConv	P1277	On March Agenda @ Revcom	1/5/10
InsFluid	PC57.139	Comment Resolution	12/3/09
InsFluid	C57.121-1998	Reaff Approved Dec 09	10/25/09
Instrument	C57.13.2-2005	Ballot	3/6/10
Instrument	C57.13.6-2005	Ballot	3/16/10
PerfChar	PC57.142	Recirculation 3	3/7/10
PerfChar	PC57.123	Comment Resolution 2 Needs 1 more Recirc	5/1/2009
PwrTrans	PC57.12.10	Comment Resolution	7/10/2009
PwrTrans	C57.117-1986	Comment Resolution	12/20/09
PwrTrans	C57.125-1991	Comment Resolution	12/20/09
PwrTrans	PC57.131	Comment Resolution Extended until Dec 2010	11/15/09
PwrTran	PC57.143	Comment Resolution	5/27/2009
PwrTrans	PC57.148	Ballot	3/19/10
Standards	PC57.12.00	Recirculation 3 in progress	12/21/09
Standards	PC57.12.80	Comment Resolution	4/4/2009
Standards	PC57.12.90	Comment Resolution	5/27/2009
Standards	C57.144-2004	On March Agenda @ Revcom	11/19/09

VI. Transformer Standards Expiring December 2010

1538-2000 (R2005) Guide for Determination of Maximum Winding Temperature Rise in Liquid-Filled Transformers

C57.12.20-2005 Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller

C57.12.28-2005 IEEE Standard for Pad Mounted Equipment - Enclosure Integrity

C57.12.29-2005 IEEE Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments

C57.12.44-2005 IEEE Standard Requirements for Secondary Network Protectors

C57.12.91-2001 IEEE Standard Test Code for Dry-Type Distribution and Power Transformers

C57.13.2-2005 IEEE Standard for Conformance Test Procedure for Instrument Transformers

C57.13.6-2005 IEEE Standard for High Accuracy Instrument Transformers

C57.16-1996 (R2001) Std Requirements, Terminology, & Test Code for Dry Air-Core Series-Connected Reactors

C57.19.00-2004 Standard General Requirements and Test Procedure for Power Apparatus Bushings

C57.19.01-2000 (R2005) Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings

C57.19.100-1995 (R2003) IEEE Guide for Application of Power Apparatus Bushings

C57.91-1995 (R2004) IEEE Guide for Loading Mineral-Oil-Immersed Transformers

[Also **C57.91-1995/Cor 1-2002 (R2004)**]

C57.98-1994 (R1999) Guide for Transformer Impulse Tests

C57.100-1999 Standard Test Procedure for Thermal Evaluation of Liquid-Immersed Dist and Power Transformers

C57.116-1989 (R2005) Guide for Transformers Directly Connected to Generators

C57.117-1986 (R2005) Guide for Reporting Failure Data for Power Transformers and Shunt Reactors

C57.125-1991 (R2005) Guide for Failure Investigation, and Analysis for Power Transformers and Shunt Reactors

C57.131-1995 Standard Requirements for Load Tap Changers

C57.136-2000 (R2005) Guide for Sound Level Abatement and Determination for LIP Transformers and Reactors

C57.138-1998 (R2005) Recommended Practice for Routine Impulse Test for Distribution Transformers

C57.146-2005 Guide for Interpretation of Gases Generated in Silicone-Immersed Transformers

VII. Transformer Committee - Active PARs			as of Mar 1, 2010
PAR Number	Title	Expiration	
P638	Qualification of Class 1E Transformers for Nuclear Power Generating Stations	Dec 2011	
P1277	General Requirements & Test Code for Smoothing Reactors for DC Power Transmission	Dec 2010	←
PC57.12.00	Std General Requirements for Liquid-Immersed Dist, Power, and Reg Transformers	Dec 2011	
PC57.12.01	Std General Requirements for Dry Type Dist, Power, and Reg Transformers	Dec 2013	
PC57.12.10	Std Requirements for Liquid-Immersed Power Transformers	Dec 2010	←
PC57.12.20	Std for Overhead Transformers, 500 kVA and Smaller:	Dec 2010	←
PC57.12.30	Std for Pole-Mounted Equipment - Enclosure Integrity for Coastal Environments	Dec 2011	
PC57.12.31	Std for Pole Mounted Equipment - Enclosure Integrity	Dec 2011	
PC57.12.37a	Electronic Reporting of Dist Transformer Test Data - AMENDMENT to Include Efficiency	Dec 2013	
PC57.12.38	Std for Pad-mounted, Single phase Dist Transformers	*March agenda	
PC57.12.40	Std for Network, 3ph Transformers, < 2500 kVA; Subway and Vault Types	Dec 2011	
PC57.12.52	Std for Sealed Dry-Type > 501 kVA 3ph, HV: 601 to 34.5kV, LV: 208Y/120 to 4160 Volts	Dec 2011	
PC57.12.70	Std Terminal Markings and Connections for Distribution and Power Transformers	Dec 2011	
PC57.12.80	Std Terminology for Power and Distribution Transformers	Dec 2012	
PC57.12.90	Std Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	Dec 2011	
PC57.12.91	Std Test Code for Dry-Type Distribution and Power Transformers	Dec 2010	←
PC57.13	Standard Requirements for Instrument Transformers	March agenda	
PC57.16	Std Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Reactors	Dec 2010	←
PC57.17	Std Requirements for Arc Furnace Transformers	Dec 2011	
PC57.19.03	Std Requirements, Terminology, & Test Code - Bushings for DC Apps rated >110 kV BIL	Dec 2011	

Active PARs - <i>continued</i>		
PAR Number	Title	Expiration
P65700-19-03	Replaces PC57.19.03	March agenda
PC57.19.100	Guide for Application of Power Apparatus Bushings	Dec 2010 ←
PC57.32	Std Requirements, Terminology & Test for Neutral Grounding Devices <i>(old IEEE std 32)</i>	Dec 2011
PC57.91	Guide for Loading Liquid Immersed Transformers and Voltage Regulators	Dec 2010 ←
PC57.96	Guide for Loading Dry-Type Distribution and Power Transformers	Dec 2013
PC57.98	Guide for Transformer Impulse Tests	Dec 2010 ←
PC57.100	Std Test Procedure for Thermal Evaluation of Insulation Systems for Liquid-Immersed	Dec 2010 ←
PC57.104	DGA Guide or Liquid Immersed Transformers	Dec 2014
PC57.113	Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors	Dec 2011
PC57.120	Guide for Loss Evaluation of Dist and Power Transformers	March agenda
PC57.123	Guide for Transformer Loss Measurement	Dec 2011
PC57.131	Std Requirements for Tap Changers	Dec 2010 ←
PC57.135	Guide for the Application, Specification and Testing of Phase Shifting Transformers	Dec 2011
PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Dec 2010 ←
PC57.142	Guide to Describe the Occurrence and Mitigation of Switching Transients	Dec 2011
PC57.143	Guide for Monitoring Equipment to Liquid-Immersed Transformers and Components	Dec 2010 ←
PC57.148	Std for Control Cabinets for Power Transformers	Dec 2010 ←
PC57.149	Frequency Response Analysis for Oil Immersed transformers	Dec 2010 ←
PC57.150	Guide for Transportation of Transformers & Reactors Rated >10,000 kVA	Dec 2010 ←
PC57.151	Sound Level Measurement Guide for Transformers and Reactors	WITHDRAWN
PC57.152	Guide for Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators	Dec 2012
PC57.153	Guide for Paralleling Power Transformers	Dec 2012
PC57.154	Design, Testing & App of Liquid-Immersed Transformers with High-Temp Insulation	Dec 2013
PC57.155	DGA Guide for Esters	March Agenda
PC57.637	Guide for the Reclamation of Insulating Oil and Criteria for Its Use	Dec 2012
<end>		

* Denotes PAR is on the NESCOM March 2010 agenda for consideration

← denotes Par will Expires the end of 2010

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of PE/TR Standards

March, 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	AUDIBLE SOUND & VIBRATION <i>Puri J.</i>	(704) 821-6638 manopuri@worldnet.att.net			
P57.151	IEEE Guide for Sound Level Measurement for Liquid Immersed Transformers and Reactors	Puri J. (704) 821-6638 manopuri@worldnet.att.net		12/07/2005 12/31/2009	New Project - Active PAR Std under development IEC granted permission for use of IEC documents PAR Extension denied by NESCOM; PAR to be withdrawn
C57.136	IEEE Guide for Sound Level Abatement and Determination for Liquid- Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA	Darwin A.W. 44 1785 274370 alan.darwin@areva-td.com	2000 12/31/2010		Approved - Reaffirmed September '05 Reaffirmation approved by RevCom on 9/21/2005
SubCommittee Chair	BUSHING <i>Elliott F. E.</i>	(360) 418-2269 felliott@ieee.org			
C57.19.00	Standard General Requirements and Test Procedure for Power Apparatus Bushings	Ellis K. P. (615) 847-2157 keithcota@aol.com	2004 12/31/2010		Approved Formally Std. IEEE 21 Previous revision 1991. D6.1 approved by RevCom in Dec., 2004 Reaff ballot in progress -REVCOM extended until Dec 2010
C57.19.01	IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	Singh P. (731) 696-5228 prtipal.singh@us.abb.com	2000 12/31/2010		Approved Formally Std. IEEE 24 Reaffirmed in 2005.
C57.19.03 PC57.19.03	IEEE Standard Requirements, Terminology, and Test Code for Bushings for DC Applications	Elliott F. E. (360) 418-2269 felliott@ieee.org	1996 12/31/2007	12/05/2007 12/31/2011	Approved with Corrigenda See Corrigenda -1, Published in 2006 New PAR for revision submitted 10/2007 PAR Modification submitted Dec 2009 -on Nescom March-10 Agenda Std merging with IEC - will be called P65700-19-03
C57.19.03-1996/	Standard Requirements, Terminology, and Test Code for Bushing for DC Applications - Corrigendum 1	Elliott F. E. (360) 418-2269 felliott@ieee.org	12/31/2007		Approved Published 6/6/2006
C57.19.100 PC57.19.100	IEEE Guide for Application of Power Apparatus Bushings	Spitzer T. (817) 215-6457 tommy.spitzer@oncorgroup.com	1995 12/31/2010	03/30/2006 12/31/2010	Approved - Active PAR for Revision Revision for C57.19.101-1992 New PAR requested and approved to 12/31/2010.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DIELECTRIC TESTS <i>Wagenaar L. B.</i>	(614) 552-1759 lbwagenaar@ieee.org			
C57.113 PC57.113	IEEE Guide for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors	Poulin B. (450) 652-2901 bertrand.f.poulin@ca.abb.com	1991 12/31/2007	05/07/2007 12/31/2011	Active PAR for revision Draft submitted to Revcom -wil be on June 2010 Agenda
C57.127	IEEE Guide for the Detection of Acoustic Emissions from Partial Discharges in Oil-Immersed Power Transformers	Harley J. W. (330) 657-2471 jack@harleyinc.com	2007 12/31/2012		Approved - D10.0 approved - in final edit PAR to Revise IEEE Std C57.127-2000 D10.0 approved by SA Board 3/22/2007
C57.138	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	Molden A. (845) 225-0993 a.molden@ieee.org	1998 12/31/2010		Approved - Reaffirmed in June '05 Reaffirmation approved by RevCom on 6/8/05.
C57.98 PC57.98	IEEE Guide for Transformer Impulse Tests	Molden A. (845) 225-0993 a.molden@ieee.org	1994 12/31/2009	09/12/2002 12/31/2009	Approved - Active PAR for Revision PAR to Revise IEEE Std C57.98-1994 PAR extension requested and approved to 12/31/2009.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DISTRIBUTION TRANSFORMERS Shull S.	(417) 625-6110 sshull@empiredistrict.com			
PC57.12.30		Olen O. (262) 835-3362 rolen@cooperpower.com			New Project PAR sumittal underway
PC57.12.33	Guide for Distribution Transformer Loss Evaluation	Pekarek T. J. (330) 761-7800 tjpekarek@firstenergycorp.com		06/25/1998 12/31/2004	PAR Withdrawn - Inactive WG Decision made at Las Vegas Meeting to discontinue this activity. PAR administratively withdrawn on 12/7/04 NesCom Meeting
C57.12.20 PC57.12.20	Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller, High-Voltage 34 500 Volts and Below; Low-Voltage, 7970/13 800 Y Volts and Below	Traut A. 706-548-3121 atraut@ieee.org	2005 12/31/2010	09/15/2006 12/31/2010	Approved - Active PAR for Revision New PAR requested and approved to 12/31/2010.
C57.12.28 PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2005 12/31/2010		Approved Previously NEMA/ANSI C57.12.28-1999 Published 9/30/2005
C57.12.29 PC57.12.29	Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments	Olen O. (262) 835-3362 rolen@cooperpower.com	2005 12/31/2010		Approved Previously NEMA/ANSI C57.12.29-1991 Current standards Published 10/10/2005.
C57.12.31 PC57.12.31	IEEE Standard for Pole Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2011	03/22/2007 12/31/2011	Approved - New PAR Active Published 3/6/2003. New PAR approved 3/22/2007
C57.12.32	Standard for Submersible Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2007		Approved Published 3/7/2003. Reaffirmation in progress. May need extension.
C57.12.34	Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 2500 kVA and Smaller: High-Voltage, 34 500GrdY/19 920 Volts and Below; Low Voltage, 480 Volts and Below	Shull S. (417) 625-6110 sshull@empiredistrict.com	12/31/2014		Approved Originally Std. 1447, Combined C57.22-1980 & C57.12.26-1992 PC57.12.34/D11 approved by RevCom 9/22/2004 for publication. Published 3/8/05. New PAR for revision approved 3/19/2005. Standard approved Dec09
C57.12.35	IEEE Standard for Bar Coding for Distribution Transformers	Matthews P (601) 422-1533 lmatthews@howard-ind.com	2007 12/31/2012		Approved Formally P1265. C57.12.35-1996 reaffirmation approved by RevCom 6/23/2004. D7 approved by SA Board 9/27/2007
C57.12.36 PC57.12.36	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Rossetti J. R. (901) 528-4743 jrossetti@mlgw.org	2007 12/31/2012		Approved - final edits PAR extended to 12/31/2008. D11 approved by SA Board on 9/27/2007

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DISTRIBUTION TRANSFORMERS Shull S.	(417) 625-6110 sshull@empiredistrict.com			
C57.12.37	IEEE Standard for the Electronic Reporting of Transformer Test Data	Hollingsworth R. (601) 422-1105 rhollin@howard-ind.com	2006 12/31/2011		Approved Formally C57.132, IEEE Std 1388-2000 D11d approved by SA Board on 3/30/2006. Published 7/21/2006
C57.12.38 PC57.12.38	Standard for Pad-Mounted, Compartmental-Type, Self-Cooled, Single-Phase Distribution Transformers with Separable Insulated High-Voltage Connectors; High Voltage, 34500 GrdY/19920 Volts and Below, Low Voltage, 240/120 Volts; 167 kVA and Smaller Requirements	Ghafourian A. A. (731) 285-9121 aghafourian@ermco-eci.com	2009 12/31/2009		Approved - This std replaces C57.12.21 & C57.12.25 Std published Nov 30 2009 PAR for Revision submitted Jan 2010 -on Nescom Mar-10 agenda
C57.15 PC57.15	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	Colopy C. A. (262) 896-2342 ccolopy@cooperpower.com	1999 12/31/2009	06/09/2005 12/31/2009	Approved - Active PAR for Revision A new PAR was approved 6/9/05 due to scope changes. Original PAR withdrawn.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DRY TYPE TRANSFORMERS Johnson, Jr. C. W.	(276) 688-1512 charles.w.johnson@us.abb.com			
PC57.12.51	Ventilated Dry-Type Power Transformers, 501 kVA and Large, Three-Phase, with High-Voltage 601 to 34500 Volts; Low-Voltage 208Y/120 to 4160 Volts - General Requirements	Powell P. A. (202) 388-2335 papayne@ieee.org		09/15/2006 12/31/2010	New Project - PAR Requested 6/23/2006 Previously NEMA document C57.12.51, original publication by NEMA in 1981, Reaffirmed in 1998. This document was transferred to IEEE in Dec., 2002. New IEEE PAR requested and approved to 12/31/2010.
C57.12.01 PC57.12.01	IEEE Standard General Requirements for Dry-Type Distribution and Power Transformers Including Those with Solid Cast and/or Resin Encapsulated Windings	Sullivan J. C. (813) 884-5424 jcsullivan@ieee.org	2005 12/31/2010	12/09/2009 12/31/2013	Approved Previous 1998 version was successfully revised and approved in 2005. Published 5/19/2006 PAR for Revision approved Dec 09
C57.12.52 PC57.12.52	Standard Requirements for Sealed Dry-Type Power Transformers, 501 kVA and Larger, Three-Phase, with High-Voltage 601 to 34 500 Volts, Low-Voltage 208Y/120 to 4160 Volts	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1981	05/07/2007 12/31/2011	Active PAR for revision Previously ANSI C57.12.52-1981 NEW PAR approved for revision
C57.12.56 PC57.12.60	IEEE Standard Test Procedure for Thermal Evaluation of Insulation Systems for Ventilated Dry-Type Power and Distribution Transformers	Wicks R. C. (804) 383-3300 roger.c.wicks@usa.dupont.com	1981 12/31/2007	12/10/2003 12/31/2007	Approved Being revised by PC57.12.60 (PAR approved Dec, 2003) Need to decide if to withdraw C57.12.56
C57.12.58	IEEE Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil	Kline A. D. (843) 705-2698 AKLINE1490@AOL.COM	1991 12/31/2007		Approved - Active Need reaffirmation. Need to request extension for reaffirmation or submit PAR for revision before 10/15/2007.
C57.12.59	IEEE Guide for Dry-Type Transformer Through-Fault Current Duration	Powell P. A. (202) 388-2335 papayne@ieee.org	2001 12/31/2011		Approved Reaffirmation approved in 12/5/2006.
C57.12.60 PC57.12.60	IEEE Guide for Test Procedures for Thermal Evaluation of Insulation Systems for Solid Cast and Resin-Encapsulated Power and Distribution Transformers	Wicks R. C. (804) 383-3300 roger.c.wicks@usa.dupont.com	1998 12/31/2007	12/10/2003 12/31/2007	Approved - Active PAR for Revision of Std PAR to Revise IEEE Std C57.12.56-1986 and IEEE Std C57.12.60-1998 Need to request PAR extension.
C57.12.91 PC57.12.91	IEEE Standard Test Code for Dry-Type Distribution and Power Transformers	Foster D. R. (815) 678-2421 dfoster@olsun.com	2001 12/31/2010	12/05/2006 12/31/2010	Approved - Active PAR for Revision New PAR for Revision approved 12/5/2006 PAR for Amendment withdrawn
C57.124	IEEE Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers	Johnson, Jr. C. W. (276) 688-1512 charles.w.johnson@us.abb.com	1991 12/31/2007		Approved Need to initiate reaffirmation and request extension. Reaffirmed Dec09
C57.134	IEEE Guide for Determination of Hottest Spot Temperature in Dry Type Transformers	Powell P. A. (202) 388-2335 papayne@ieee.org	2000 12/31/2011		Approved Reaffirmation approve by RevCom 3/30/2006

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DRY TYPE TRANSFORMERS <i>Johnson, Jr. C. W.</i>	(276) 688-1512 charles.w.johnson@us.abb.com			
C57.16 PC57.16	IEEE Standard Requirements, Terminology, and Test Code for Dry-Type Air- Core Series-Connected Reactors	Dudley R. F. (416) 298-8108 richarddd@ca.trenchgroup.com	1996 12/31/2010	11/02/2006 12/31/2010	Approved PAR for revision approved 11/2/2006.
C57.94	IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers	Lewis T. D. (910) 738-4251 tlewis@acmepower.com	1982 12/31/2010		Approved Reaffirmation approved by the SA Board on 12/6/2006
C57.96 PC57.96	IEEE Guide for Loading Dry Type Distribution and Power Transformers	Marek R. P. (804) 383-2376 Richard.P.Marek@usa.dupont.com	1999 12/31/2013	12/09/2009 12/31/2013	Approved - Active RevCom approved reaffirmation on 9/22/2004 Previous revision in 1994. PAR for Revision approved Dec 2009 Ext expiration until PAR exp 2013
IEEE 259	IEEE Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers	Simpson, Jr. R. W. (603) 286-4362 bsimpson@quin-t.com	1999 12/31/2010		Approved 9/22/04 - RevCom approved reaffirmation Ballot complete - Std on REVCOM March 2010 agenda
SubCommittee Chair	HV CONVERTER TR & REACTORS <i>Dudley R. F.</i>	(416) 298-8108 richarddd@ca.trenchgroup.com			
C57.129 PC57.129	IEEE General Requirements and Test Code for Oil Immersed HVDC Converter Transformers	Dudley R. F. (416) 298-8108 richarddd@ca.trenchgroup.com	2007 12/31/2012		Approved - D10 approved - in final edit Trial use std published 6/6/2000; upgraded to full use 3/2002 PAR for revision of C57.129-1999 approved on 6/24/2004 D10 approved by SA Board 9/27/2007
IEEE 1277 P1277	IEEE General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission	Dudley R. F. (416) 298-8108 richarddd@ca.trenchgroup.com	2000 12/31/2005	11/10/2005 12/31/2010	Approved. Active PAR for revision Active PAR for revision. Ballot complete - Std on REVCOM March 2010 agenda PAR Extension granted Dec 09 until 12/31/2010

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SubCommittee Chair	INSTRUMENT TRANSFORMERS <i>Smith J. E.</i>	(601) 346-9104 jes1@ieee.org			
C57.13 PC57.13	IEEE Standard Requirements for Instrument Transformers	Smith J. E. (601) 346-9104 jes1@ieee.org	2008 12/31/2013		Approved - Active PAR to revise std. PAR to Revise IEEE Std C57.13-2008 submitted to NESCOM On NESCOM Mar-10 agenda
C57.13.2	Conformance Test Procedure for Instrument Transformers	Khalin V. M. (859) 879-2797 vladimir@kuhlman.com	2005 12/31/2010		Approved PAR to Revise Std C57.13.2-1991; harmonize with C57.13-1993 D4 approved by RevCom on 6/8/2005 Published 9/29/2005.
C57.13.5 PC57.13.5	Standard of Performance and Test Requirements for Instrument Transformers of a Nominal System Voltage of 115 kV and Above	Riffon P. (514) 840-3000 x3424 riffon.pierre@hydro.qc.ca	2006 12/31/2009	12/07/2005 12/31/2009	Approved - Active PAR for Revision Reference Std. 1400 Previously C57.13.5 was a trial use Upgraded to Full Use 3/30/2006
C57.13.6	Standard for High Accuracy Instrument Transformers	Ten Haagen C. W. (603) 749-8433 chris.tenhaagen@indsys.ge.com	12/31/2010		Approved Document published in 12/9/2005

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	INSULATING FLUIDS McNelly S.J.	(612) 330-6904 sjmcnelly@ieee.org			
PC57.130	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	Gryszkiewicz F. J. (617) 393-3161 frankjg@ieee.org		01/30/2000 12/31/2007	New Project - Std under development New Project - Std under development - currently under ballot resolution. PAR extension requested and approved to 12/31/2007.
PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Jakob F. (916) 455-2284 fjakob@weidmann-acti.com		12/11/2002 12/31/2009	New Project - Std under development PAR to expire 12/31/2006. Deferred PAR withdrawal to 3/2007. PAR extended to 2009 PAR extension granted Dec 09 until 12/31/2010
PC57.147	Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers	McShane C. P. (262) 524-4591 cpmcsbane@cooperpower.com		12/10/2003 12/31/2007	New Project - Active PAR Std under development Document submitted for MEC. 1st Ballot closed - 98% approval rating. Need recirculation.
PC57.155	DGA Guide for Esters filled Transformers	Boman P.E. (785)256-7161 paul_boman@hsb.com			PAR submitted to NESCOM - on March-10 agenda
C57.104 PC57.104	IEEE Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers	Ladroga R. K. (617) 393-3133 rladroga@doble.com	1991 12/31/2005	01/09/2010 12/31/2014	Withdrawn - Active New PAR for Revision PAR to Revise IEEE Std C57.104-1991 Original PAR and document withdrawn in Dec. 2005. New PAR approved in June, 2006. New PAR approved Jan 2010
C57.106	IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment	Thompson J. A. (605) 534-3571 writejt@trservice.com	2006 12/31/2011		Approved D6 pproved 12/6/2006 Previously version in 2002, 1991 (R1998), 1977
C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	Gryszkiewicz F. J. (617) 393-3161 frankjg@ieee.org	1983 12/31/2008		Approved
C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	Sundin 9035267577 sales@dsifluids.com	1998 12/31/2007		Approved Was to be administratively withdrawn in Dec., 2004 Reaffirmation ballot pool invitation initiated in October, 2005. Exp. Date extended to 12/31/2007 - Reaffirmed Dec 09
C57.146	Guide for Interpretation of Gasses Generated in Silicone-Immersed Transformers	Bartley W. H. (860) 722-5483 william_bartley@hsb.com	2005 12/31/2010		Approved D3a - approved by RevCom on 9/21/05. Published 3/10/2006

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	INSULATING FLUIDS McNelly S.J.	(612) 330-6904 sjmcnelly@ieee.org			
IEEE 62 PC57.152	IEEE Guide for Diagnostic Field Testing of Power Apparatus - Part 1: Oil Filled Power Transformers, Regulators, and Reactors	Verner J. A. 202 872-2812 javerner@pepco.com	1995 12/31/2010	05/19/2008 12/31/2012	Approved Reaffirmation was successful. Approval by RevCom on 3/19/05. New WG formed to revise document on a continuous basis based on TF recommendation. PAR number assigned PC57.152
IEEE 637 PC57.637	IEEE Guide for the Reclamation of Insulating Oil and Criteria for Its Use	Thompson J. A. (605) 534-3571 writejt@trservice.com	1985 12/31/2012	12/10/2008 12/31/2012	Approved - Reaffirmed Reaffirmation approved by SA Board 9/27/2007 PAR for Revision approved Dec 2008

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	INSULATION LIFE <i>Forsyth B. I.</i>	405-622-8816 bruce.forsyth@ieee.org			
PC57.145	Guide for the Definition of Thermal Duplicate Liquid-Immersed Distribution, Power, and Regulating Transformers	Beaster B. L. (601) 422-1302 blbeaster@ieee.org	0	06/25/1998 12/31/2004	New Project - Active PAR Std under development Previously P1524 Modified PAR to expire in 2004 PAR administratively withdrawn in December, 2004
PC57.154	Design, Testing and App of Liquid-Immersed Transformers with High-Temp Insulation	Marek R. P. (804) 383-2376 Richard.P.Marek@usa.dupont.com		03/19/2009 12/31/2013	PAR for new standard approved March 2009
C57.100 PC57.100	IEEE Standard Test Procedure for Thermal Evaluation of Liquid-Immersed Distribution and Power Transformers	Wicks R. C. (804) 383-3300 roger.c.wicks@usa.dupont.com	1999 12/31/2008	12/08/2004 12/31/2008	Approved - Active PAR for Revision Requested PAR for revision on 10/18/2004. PAR approved 12/8/2004
C57.119	IEEE Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Ratings	Tuli S. C. (262) 547-0123 x1428 subhash.tuli@waukeshaelectric.spx.com	2001 12/31/2006		Approved Previously IEEE 838. Published 3/12/2002. Exp. Date extended to 12/31/2007 Need recirculation on reaffirmation ballot
C57.91 PC57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers	Duckett D. A. (407) 942-9401 don.duckett@pgnmail.com	1995 12/31/2010	12/09/2009 12/31/2010	Approved - Active PAR for revision Combined from C57.91-1981 & C57.92-1981 & C57.115-1991 Reaffirmation approved by RevCom 6/23/2004 New PAR for revision approved 5/2/2005. PAR Extension Request approved Dec09 until 12/31/2010
C57.91-1995/Cor	IEEE Guide for Loading Mineral-Oil-Immersed Transformers--Corrigendum 1	Pierce L. W. (706) 235-1805 piercelw@aol.com	2002 12/31/2007		Approved - Active PAR for Revision In conjunction with C57.91 - reaffirmed in 6/2004. Currently under revision
IEEE 1276	IEEE Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers	Franchek M. A. (802) 751-3539 mfranchek@weidmann-systems.com	1997 12/31/2011		Approved Upgrade from trial use to full use on 3/30/2000 Reaffirmation approved by SA Board in 3/30/2006
IEEE 1538	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer	Platts D. W. (610) 774-4686 donplatts@ieee.org	2000 12/31/2010		Approved Original approval in 2000. Reaffirmed in 2005.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	PERFORMANCE CHARACTERISTICS Antosz S.	(412) 498-3916 santosz@ieee.org			
PC57.133	Guide for Short-Circuit Testing of Distribution and Power Transformers	Fortin M. 450-922-0925 fortin.marcel@ieee.org		03/04/2005 12/31/2009	Active PAR for revision of SC Test Guide New PAR for revision approved on 2/22/05.
PC57.142	A Guide To Describe The Occurrence And Mitigation Of Switching Transients Induced By Transformer-Breaker Interaction	Degeneff R. C. (518) 276-6367 degenr@rpi.edu		05/07/2007 12/31/2011	New Project - Active PAR Std under development PAR extension granted 9/23/2004 - new expiration @2006 New PAR approved - for join sponsorship between Transformers Committee and Switchgear Committee.
PC57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	Sweetser C.L. (617) 393-2966 csweetser@doble.com		06/24/2004 12/31/2008	New Project - Active PAR PAR approved by NesCom 6/23/2004 Std under development
C57.105	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems	Reitter G. J. (650) 508-2850 greitter@deltastar.com	1978 12/31/2007		Approved Was to be administratively withdrawn in Dec., 2004. Request extension to 2006. Reaffirmation ballot pool invitation initiated in October, 2005. Extension approved to Dec. 2007
C57.109	IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration	Patel B. K. (205) 987-8012 bkpatel8012@charter.net	1993 12/31/2007		Approved Reaffirmation ballot pool invitation initiated in October, 2005. Extension approved to 12/31/2007
C57.110 PC57.110	IEEE Recommended Practice for Establishing Transformer Capability When Supplying Nonsinusoidal Load Currents	Marek R. P. (804) 383-2376 Richard.P.Marek@usa.dupont.com	1998 12/31/2008	11/18/2004 12/31/2008	Approved - Active PAR for Revision PAR approved 11/18/2004. Ballot closed on 9/27/2007- need recirculation
C57.120 PC57.120	IEEE Loss Evaluation Guide for Power Transformers and Reactors	Traut A. 706-548-3121 atraut@ieee.org	1991 12/31/2011		Approved Reaffirmation approved by RevCom 6/8/2006. PAR for Revision submitted 1/21/2010 to merge C57.120 & C57.12.33 On NESCOM Mar-10 Agenda
C57.123 PC57.123	IEEE Guide for Transformer Loss Measurement	TenNyenhuus E.G. (519) 837-4691 ed.g.tenNyenhuus@ca.abb.com	2002 12/31/2011	02/20/2007 12/31/2011	Approved - Active New PAR for revision Ref Std. IEEE 1098 WG Chair record from IEEE shows R. Girgis Revision ballot pool invitation started.
C57.18.10 C57.18.10a	IEEE Standard Practices and Requirements for Semiconductor Power Rectifier Transformers	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1998 12/31/2008	03/04/2005 12/31/2009	Approved - Active PAR for Amendment Replaced the C57.18-1964 for pool cathode mercury-arc rectifiers. New PAR for Amendment 1: Technical and Editorial Corrections was approved 2/22/05

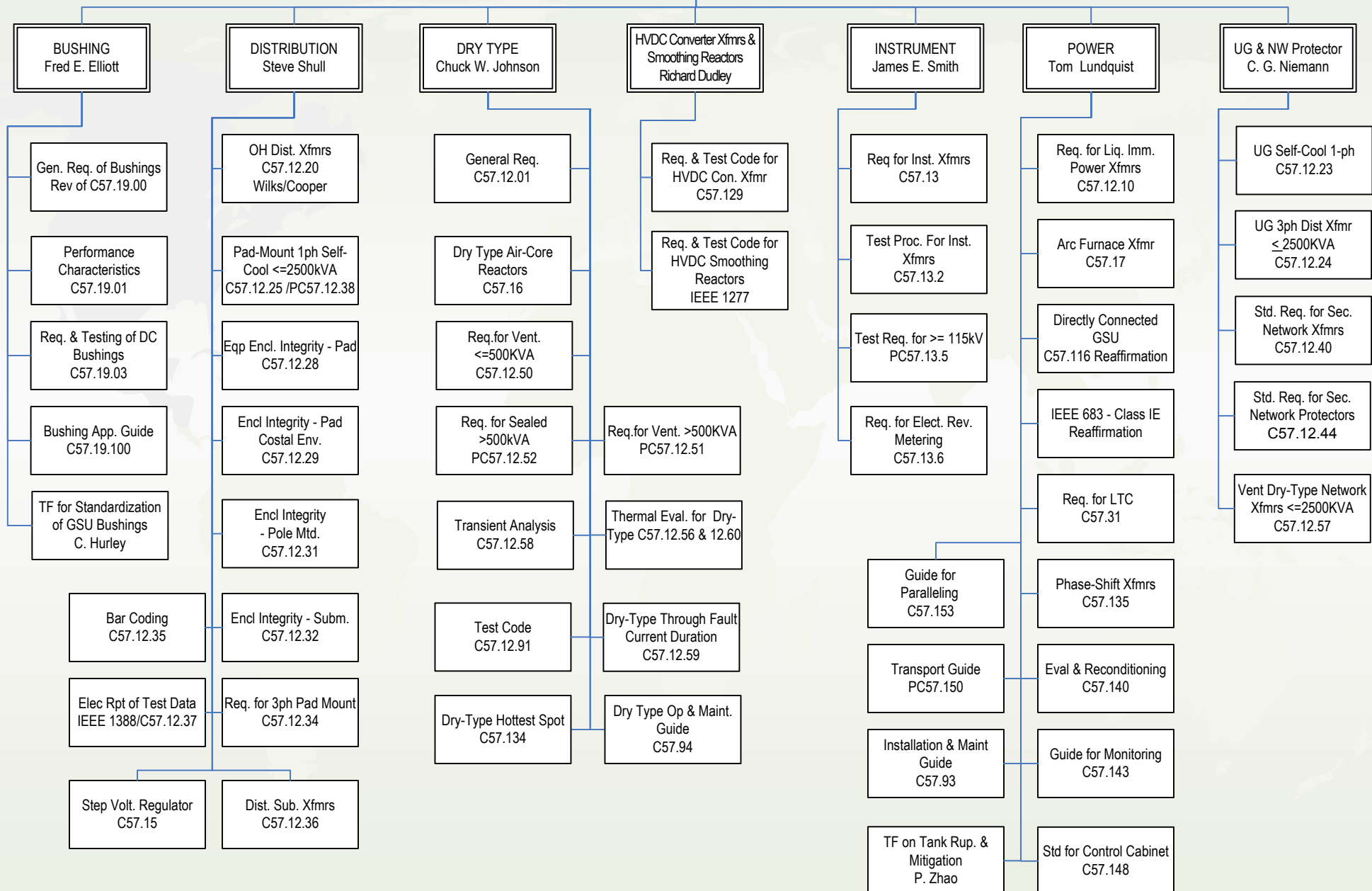
STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	PERFORMANCE CHARACTERISTICS <i>Antosz S.</i>	(412) 498-3916 santosz@ieee.org			
C57.21 PC57.21	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA	Dudley R. F. (416) 298-8108 richardd@ca.trenchgroup.com	1990 12/31/2007	09/11/2003 12/31/2007	Approved - Active PAR for Revision PAR to Revise IEEE Std C57.21-1990 Reaffirmation approved on 6/23/2004. Current revision in ballot comment resolution (5 negative received) PAR extension needed if document not ready for RevCom
IEEE 32 PC57.32	IEEE Standard Requirements, Terminology, and Testing Procedures for Neutral Grounding Devices	Schappell S. M. (919) 580-3240 schappell@ieee.org	1972 12/31/2009	12/11/2002 12/31/2011	Approved - Active PAR to revise std PAR to Revise IEEE Std 32-1972 Dec. 2002 - Sponsor changed from PES/SPD to PES/TR Being revised under PC57.32 PAR extension request approved - expiration date extended to 12/31/2009 PAR Modified and extended to Dec 2011

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SubCommittee Chair	POWER TRANSFORMERS Lundquist T.	(602) 236-8617 tom.lundquist@ieee.org			
PC57.12.10	Standard Requirements for Liquid-Immersed Power Transformers	Arteaga J. (601)422-1920 javier.arteaga@ieee.org	1997	06/13/2002 12/31/2008	New Project - Std under development Formally NEMA/ANSI document. PAR extension request granted by NesCom to 12/31/2008.
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Chu D. (212) 460-3456 chud@coned.com		03/21/2002 12/31/2010	New Project - Active PAR Std under developemnt PAR extension requested approved on 12/5/2006.
PC57.148	Standard for Control Cabinets for Power Transformers	Watson J.D. (561) 691-2206 joe_watson@ieee.org		02/27/2004 12/31/2007	New Project - Active PAR Std under development
PC57.150	Guide for the Transportation of Large Power Transformers and Reactors	Anderson G. W. (402) 680-1111 gwanderson@ieee.org		11/18/2004 12/31/2008	New Project - PAR approved in Nov. 2004 PAR approved by NesCom in 11/18/2004
PC57.153	Guide for Paralleling Power Transformers	Jauch E.T. (727) 866-0632 jauch@ieee.org		03/27/2008 12/31/2012	PAR For new standard PAR approved Mar 2008
PC57.17	Standard Requirements for Arc Furnace Transformers	Corsi D. (330) 875-3333 dom.corsi@sdmyers.com		03/22/2007 12/31/2011	NEW PAR for revision of PAR for revision of old ANSI Std. requested.
C57.116	IEEE Guide for Transformers Directly Connected to Generators	Raymond T. (518) 884-0297 tc.raymond@ieee.org	1989 12/31/2010		Approved Reaffirmation approved in Dec. 2005
C57.117	IEEE Guide for Reporting Failure Data for Power Transformers and Shunt Reactors on Electric Utility Power Systems	Binder, Jr. W. B. (724) 654-3839 wbbinder@aol.com	1986 12/31/2006		Approved Previously IEEE 786-1986, original approval date 6/19/1986 Reaffirmation ballot pool formed. Need WG Chair
C57.125	IEEE Guide for Failure Investigation, Documentation, and Analysis for Power Transformers and Shunt Reactors	Binder, Jr. W. B. (724) 654-3839 wbbinder@aol.com	1991 12/31/2010		Approved Std reaffirmed 5/10/2005
C57.131 PC57.131	IEEE Standard Requirements for Load Tap Changers	Henning W. R. (262) 547-0121 whenning@ieee.org	1995 12/31/2007	05/15/2003 12/31/2010	Approved - Active PAR for Revision PAR to Revise IEEE Std C57.131-1995 PAR Modified Dec 09 and extended to Dec 2010.
C57.135 PC57.135	IEEE Guide for the Application, Specification and Testing of Phase- Shifting Transformers	Sim H. J. (919) 580-3234 jin.sim@ieee.org	2001 12/31/2011	02/20/2007 12/31/2011	Approved - Active PAR for Revision Approved for IEEE/IEC Dual Logo Dec. 2005 - IEC 62032 Ed. 1
C57.140	Evaluation and Reconditioning of Liquid Immersed Power Transformers	James R.I. (504) 576-6246 r.james@ieee.org	2006 12/31/2011		Approved D18 approved by RevCom 11/16/2006

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SubCommittee Chair	POWER TRANSFORMERS Lundquist T.	(602) 236-8617 tom.lundquist@ieee.org			
C57.93 PC57.93	IEEE Guide for Installation of Liquid-Immersed Power Transformers	Lau M. Y. (604) 528-3201 mike.lau@bchydro.bc.ca	1995 12/31/2007	06/13/2002 12/31/2007	Approved - Active PAR for Revision Rev of ASA C57.93-1958, IEEE Std C57.12.11-1980, & C57.12.12-1980 PAR to Revise IEEE Std C57.93-1995 Document submitted to RevCom - on RevCom agenda for 12/2007
IEEE 638 P638	IEEE Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations	Swinderman C. (724) 778-5234 craig.swinderman@meppi.mea.com	1992 12/31/2011	06/07/2007 12/31/2011	Approved - Active - with errata dated 4/7/1999 Reaffirmation approved by SA Board 3/30/2006. New PAR for revision approved 6/7/2007.
SubCommittee Chair	STANDARDS Bartley W. H.	(860) 722-5483 william_bartley@hsb.com			
C57.12.00 PC57.12.00	IEEE Standard General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	Snyder S. L. (731) 288-4282 slnsnyder@ieee.org	2006 12/31/2011	06/07/2007 12/31/2011	Approved - New PAR Active D3 approved by SA Board in September, 2006. Published 2/28/2007. New PAR approved on 6/7/2007; active for 2008 revision Balloted 2008 Recirc1- Dec 2009; Recirc2 - Feb 2010
C57.12.70 PC57.12.70	IEEE Standard Terminal Markings and Connections for Distribution and Power Transformers	Shull S. (417) 625-6110 sshull@empiredistrict.com	2000 12/31/2011	05/07/2007 12/31/2011	Approved - Active PAR for Revision Reaffirmation approved by RevCom 3/30/2006. Published 3/16/2001. New PAR for revision approved by SA Board 5/7/2007
C57.12.80 PC57.12.80a	IEEE Standard Terminology for Power and Distribution Transformers	Raymond T. (518) 884-0297 tc.raymond@ieee.org	2002 12/31/2007	11/10/2005 12/31/2009	Approved - Active PAR for Amendment Amendment PAR approved to add thermally upgraded definition Need Reaffirmation to C57.12.80
C57.12.90 PC57.12.90	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	Antosz S. (412) 498-3916 santosz@ieee.org	2006 12/31/2011	05/07/2007 12/31/2011	Approved - New PAR active for next revision D3 approved by SA Board 9/15/2006 Published 2/15/2007 Previous version 1999.
C57.144	Guide for Metric Conversion of Transformer Standards	Olson T. (204) 474-4080 tolson@hydro.mb.ca	2004 12/31/2009		Approved Published 10/22/2004 Reaff Ballot successful - Std on REVCOM March 2010 agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	UNDERGROUND TR & NW PROTECT Niemann C. G.	(847) 683-2145 carlpumco@sbcglobal.net			
C57.12.23 PC57.12.23	IEEE Standard for Underground Type, Self-Cooled, Single-Phase Distribution Transformers with Separable Insulated High-Voltage Connectors; High Voltage 25kV and Below; Low Voltage 600V and Below	Traut A. 706-548-3121 atraut@ieee.org	2009 12/31/2014		Approved Published 4/20/2009
C57.12.24 PC57.12.24	Requirements for Transformers - Underground-Type, Three Phase Distribution Transformers: High Voltage (34 500 GrdY/19 920 V and Below) and Low Voltage (480V and Below, 2500 kVA and Smaller	Termini G. (610) 941-1524 giuseppe.termini@peco-energy.com	2000 12/31/2011	02/20/2007 12/31/2011	Standard withdrawn in 2001 Existing standard withdrawn by IEEE on 1/15/2001. No longer endorsed by IEEE. New working group formed to address revision. Need an approved PAR from IEEE SA Board.
C57.12.40 PC57.12.40	Standard for Requirements for Secondary Network Transformers - Subway and Vault Types (Liquid Immersed)	Klaponski B. (204) 633-7220 brian.klaponski@carte.ca	2006 12/31/2011	03/27/2007 12/31/2011	Approved - New PAR for Revision Active D4 approved by RevCom 3/30/3006. Standard Published 9/15/2006. New PAR approved 3/27/2007
C57.12.44 PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	Mulkey D. H. (415) 973-4699 DHM3@PGE.COM	2005 12/31/2010		Approved PC57.12.44/D2.1 approved by RevCom in December 2005. Published 6/07/2006 Previous revision in 2000.
C57.12.57 NONE	Requirements for Ventilated Dry-Type Network Transformers 2500 kVA and Below, Three-Phase with High Voltage 34 500 Volts and Below, Low Voltage 216Y/125 and 480Y/125 Volts	Robinson A. L. (361) 289-4001 alrobinson@aep.com	1992 12/31/2000		Standard withdrawn in 2001 Existing standard withdrawn by IEEE on 1/15/2001. No longer endorsed by IEEE. New working group formed to address revision. Need new PAR.

IEEE/PES Transformers Committee - Activity Organization Chart
Chair: J. Ed Smith
Vice Chair: Bill Chiu Secretary: Don Platts Std. Coordinator: Bill Bartley



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Chair: J. Ed Smith
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