

Standards Report

To: Members of IEEE Transformers Committee

From: William H. Bartley, Standards Coordinator

Date: Oct 22, 2012

Re: Transformer Standards Activity

Executive Summary

This report covers the Transformers Committee Standards activity for the six-month period of April 1, 2012 to October 1, 2012. In the last six months, 1 new Standard, and 1 Revision were approved by Standards Board /REVCOM. In addition, we currently have 6 Standards on the agenda for December Standards Board meeting. In this same period, Standards Board /NesCOM approved 5 PARs for new standards, 3 PARs for Revisions, and 2 PAR extension. We also have 2 PARs on the December agenda.

In this Report:

I.	REVCOM / Standards approved.....	pg 1
II.	NESCOM / PARs approved	pg 2
III.	Standards Board Meeting Schedule	pg 2-3
IV.	Transformers Committee Ballot Status.....	pg 4
V.	Transformer Committee active PARs	pg 4-6
VI.	Transformer Stds Status database	pg 7- 21
VII.	Transformer Stds Org Chart	pg 22-23

I. Standards approved since April 1, 2012.

NEW Transformer Standards Approved *expiring Dec 2022 !!*

C57.154 Standard for the Design, Testing and Application of Transformers Using High-Temperature Insulation Systems (approved August 2012)

REVISIONS approved, *expiring Dec 2022 !!*

C57.131 Standard Requirements for Tap Changers (approved March 2012)

The following Standards have completed the ballot process and are already on the Agenda for the December Standards Board meeting:

- C57.19.100** Guide for Application of Power Apparatus Bushings
- C57.12.52** Standard for Sealed Dry-Type Power Transformers, > 501 kVA
- C57.149** Guide for the Application and Interpretation of Frequency Response Analysis
- C57.150** Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA
- C57.17** Standard for Arc Furnace Transformers
- C57.143** Guide for Monitoring L.I. Power Transformers
- PC57.12.10** Corrigenda for Std Requirements for Liquid-Immersed Power Transformers

II. PARs approved since April 1, 2012 all expiring Dec 31 2016

PARs for New Standards

PC57.158 Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers

P60076-16 Standard Requirements for Wind Turbine Generator Transformers

P60076-57-1202 Standard Requirements for Liquid Immersed Phase-Shifting Transformers

PC57.159 Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Gen. Systems

PC57.12.10 CORRIGENDA for Std Requirements for Liquid-Immersed Power Transformers

PARs for Revisions

PC57.93 Guide for Installation & Maintenance of Liquid-Immersed Power Transformers

PC57.12.20 Std for Overhead-Type Dist Transformers, <500 kVA,

PC57.12.40 Standard for Network, Three-Phase Transformers, <2500 kVA until 31-Dec-2016.

PAR Extensions approved

PC57.153 Guide for Paralleling Power Transformers

PAR extension approved until December 2014

PC57.637 Guide for the Reclamation of Insulating Oil and Criteria for Its Use

PAR extension approved until December 2014

PARs on Dec 2012 NESCOM Agenda

PC57.152 Guide for Diagnostic Field Testing - *Ballot closed with Negatives.*

PAR Extension Request submitted and on December Agenda

P638 Standard for Qualification of Class 1E Transformers for Nuclear Power Gen Stations

- Ballot closed with Negatives. PAR Extension Request submitted and on December Agenda

III. 2013 IEEE Standards Board Meeting Schedule

DEADLINES for 2013 STANDARDS BOARD Submissions:

Standards Bd Meeting	Deadline
March 2013	24 January 2013
June 2013 0	3 May 2013
September 2013	12 July 2013
December 2013	21 October 2013

Note: If you want anything on the Agenda for the December 2012 Standards Board meeting you are too late; the deadline was **October 15, 2012**

III. 2013 Standards Board Meeting Schedule

IEEE Standards Association Governance Meetings Schedule

2013

JANUARY	JULY
13-18: IEEE BOD Series, Austin, TX	01: IEEE BOD Series, San Diego, CA
FEBRUARY	AUGUST
04-06: SASB Series, Piscataway, NJ	13-14: CAG mfgs
07-09: BOG Series, Piscataway, NJ	21-23: SASB Series, Piscataway, NJ
MARCH	SEPTEMBER
12-14: SASB Series, Brussels, Belgium	
24-30: IEEE BOD Series, San Diego, CA	
APRIL	OCTOBER
06-12: CAG mfgs, Hong Kong	
MAY	NOVEMBER
21-23: BOG Series, Seoul, S. Korea	20-25: IEEE BOD Series, New Brunswick, NJ
JUNE	DECEMBER
12-14: SASB Series, Brussels, Belgium	03-04: CAG mfgs, New York, NY
24-30: IEEE BOD Series, San Diego, CA	05-07: BOG Series, Piscataway, NJ
	08: Awards Ceremony, New Brunswick, NJ
	09-11: SASB Series, Piscataway, NJ

SASB Submittal Deadlines:
 24 January 2013
 03 May 2013
 12 July 2013
 21 October 2013

SASB Submittal Deadlines:

24 January 2019

09 May 2013

09 May 2013
12 July 2013

12 July 2013
21 October 2015

26 September 2012

IV. Transformer Committee Ballot Status

(as of Oct 17, 2012)

Sub Committee	Standard #	Title	Stage	# of Ballots	Ballot Close Date	Number of Comments
Bushing	P65700-19-03	Requirements, Terminology, & Test Code for Bushings DC Applications	Comment Resolution	17	30-Sep-2011	90
Stds	PC57.152	Guide for Diagnostic Field Testing of Power Transformers, Reg's & Reactors	Comment Resolution	127	18-Sep-2012	270
PwrTrans	PC57.12.10 Corrigenda 1	CORRIGENDA for Std Requirements for Liquid-Immersed Power Transformers	Submitted to REVCOM	106	16-Oct-2012	6
PwrTrans	P638	Standard for Qualification of Class 1E Transformers for Nuclear Pwr Gen Stations	In Ballot	87	20-Oct-2012	8
PwrTrans	PC57.143	Guide for Application for Monitoring Equipment to L-I Transformers & Comp.	Submitted to REVCOM	143	20-Oct-2012	0
PwrTrans	PC57.17	Std Requirements for Arc Furnace Transformers	Submitted to REVCOM	71	13-Oct-2012	0
UG	PC57.12.44	Standard Requirements for Secondary Network Protectors	Comment Resolution	91	10-June-2012	42

V. Transformer Committee PAR Status

(as of Oct 17, 2012)

PAR #	Description	PAR first approved	PAR Expiration
P1276	Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers	2/6/2012	Dec 31, 2016
P60076-16	Standard Requirements for Wind Turbine Generator Transformers	6/8/2012	Dec 31, 2016
P60076-57-1202	Standard Requirements for Liquid Immersed Phase-Shifting Transformers	6/8/2012	Dec 31, 2016
P638	Standard for Class 1E Transformers for Nuclear Power Generating Stations	Extension Request submitted to NESCOM 6/7/2007	Dec 31, 2012
P65700-19-03	Standard for Bushings for DC application	3/25/2010	Dec 31, 2014
PC57.104	Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers	2/5/2010	Dec 31, 2014
PC57.106	Guide for Acceptance and Maintenance of Insulating Oil in Equipment	11/9/2011	Dec 31, 2015
PC57.116	Guide for Transformers Directly Connected to Generators	9/10/2011	Dec 31, 2015
PC57.12.00	General Requirements for L.I. Dist, Power, and Regulating Transformers	6/16/2011	Dec 31, 2015
PC57.12.01	General Requirements for Dry-Type Distribution and Power Transformers	12/9/2009	Dec 31, 2013
PC57.12.10-Corrigenda 1	Std Requirements for Power Transformers – Corr 1	Submitted to REVCOM 8/30/2012	Dec 31, 2016
PC57.12.20	Standard for Overhead-Type Distribution Transformers 500 kVA and Smaller:	6/8/2012	Dec 31, 2016

PAR #	Description	PAR first approved	PAR Expiration
PC57.12.24	Standard for Submersible, 3-Phase Transformers, 3750 kVA and Smaller	11/9/2011	Dec 31, 2015
PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	9/30/2010	Dec 31, 2014
PC57.12.29	Std for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments	9/30/2010	Dec 31, 2014
PC57.12.34	Standard for Pad-Mounted, 3 Phase Distribution Transformers, <10 MVA	3/31/2011	Dec 31, 2015
PC57.12.35	Std for Bar Coding for Distribution Transformers and Step-Voltage Regulators	6/17/2010	Dec 31, 2014
PC57.12.36	Std Requirements for Liquid-Immersed Distribution Substation Transformers	12/7/2011	Dec 31, 2015
PC57.12.37	Standard for the Electronic Reporting of Distribution Transformer Test Data	12/7/2011	Dec 31, 2015
PC57.12.38	Std for Pad-Mounted , Single-Phase Dist Transformers; 250 kVA and Smaller	3/25/2010	Dec 31, 2014
PC57.12.39	Std Requirements for Distribution Transformer Tank Pressure Coordination	2/6/2012	Dec 31, 2016
PC57.12.40	Std for Network, 3-Phase Transformers, <2500 kVA; Subway and Vault Types	8/30/2012	Dec 31, 2016
PC57.12.44	Standard Requirements for Secondary Network Protectors	6/17/2010	Dec 31, 2014
PC57.12.52	Standard for Sealed Dry-Type Power Transformers Submitted to REVCOM	5/7/2007	Dec 1, 2012
PC57.12.59	Guide for Dry-Type Transformer Through-Fault Current Duration	12/7/2011	Dec 31, 2015
PC57.12.90	Std Test Code for L.I. Distribution, Power, and Regulating Transformers	6/16/2011	Dec 31, 2015
PC57.120	Guide for Loss Evaluation of Distribution and Power Transformers and Reactors	3/25/2010	Dec 31, 2014
PC57.125	Guide for Failure Investigation, Analysis, and Reporting for Pwr Transformers	2/2/2011	Dec 31, 2015
PC57.13	Standard Requirements for Instrument Transformers	3/25/2010	Dec 31, 2014
PC57.13.7	Standard for Current Transformers with a mA Secondary Current of 250mA	9/30/2010	Dec 31, 2014
PC57.130	Trial-Use Guide for DGA in Factory Temperature Rise Tests	6/17/2010	Dec 31, 2014
PC57.13-2008 Corrigenda 1	Std Requirements for Instrument Transformers - Corrigendum 1:	9/30/2010	Dec 31, 2014
PC57.134	Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers	12/7/2011	Dec 31, 2015
PC57.136	Guide for Sound Level Abatement & Determination for Pwr Transformers	9/30/2010	Dec 31, 2014
PC57.138	Recommended Practice for Routine Impulse Test for Distribution Transformers	2/2/2011	Dec 31, 2015
PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	6/16/2011	Dec 31, 2015

PAR #	Description	PAR first approved	PAR Expiration
PC57.140	Guide for Evaluation and Reconditioning of L.I. Power Transformers	3/31/2011	Dec 31, 2015
PC57.143	Guide for Application for Monitoring Equipment Submitted to REVCOM	3/21/2002	Dec 31, 2012
PC57.147	Guide for Acceptance & Maintenance of Natural Ester Fluids in Transformers	2/6/2012	Dec 31, 2016
PC57.149	Guide for the Application and Interpretation of FRA Submitted to REVCOM	6/24/2004	Dec 31, 2012
PC57.150	Guide for the Transportation of Transformers etc Submitted to REVCOM 11	—/18/2004	Dec 31, 2012
PC57.152	Guide for Diagnostic Field Testing of Power Transformers Extension Request submitted to NESCOM	5/19/2008	Dec 31, 2012
PC57.153	Guide for Paralleling Power Transformers (Two Yr Extension granted May 2012)	3/27/2008	Dec 31, 2014
PC57.155	Guide for Interpretation of Gases Generated in Ester Immersed Transformers	3/25/2010	Dec 31, 2014
PC57.156	Guide for Tank Rupture Mitigation of Power Transformers and Reactors	6/16/2011	Dec 31, 2015
PC57.157	Guide for Functional Life Tests for De-energized Tap-changer Contacts	12/7/2011	Dec 31, 2015
PC57.158	Guide for Application of Tertiary and Stabilizing Windings in Pwr Transformers	5/15/2012	Dec 31, 2016
PC57.159	Guide for Transformers in Distributed Photovoltaic (DPV) Power Gen Systems	6/8/2012	Dec 31, 2016
PC57.17	Std Requirements for Arc Furnace Transformers Submitted to REVCOM	5/7/2007	Dec 31, 2012
PC57.19.01	Std Performance Characteristics & Dimensions for Outdoor Apparatus Bushings	12/8/2010	Dec 31, 2014
PC57.19.04	Std Performance Characteristics & Dimensions for High Current Bushings	6/16/2011	Dec 31, 2015
PC57.19.100	Guide for Application of Power Apparatus Bushings Submitted to REVCOM	3/30/2006	Dec 31, 2012
PC57.32	Std Requirements, Terminology, & Tests for Neutral Grounding Devices	12/7/2011	Dec 31, 2015
PC57.637	Guide for the Reclamation of Insulating Oil (Two Yr Extension granted June 2012)	12/10/2008	Dec 31, 2014
PC57.93	Guide for Installation and Maintenance of Liquid-Immersed Power Transformers	3/29/2012	Dec 31, 2016
PC57.94	Rec Practice for Installation, Op & Maint of Dry-Type Dist & Pwr Transformers	11/9/2011	Dec 31, 2015
PC57.96	Guide for Loading Dry-Type Distribution and Power Transformers	12/9/2009	Dec 31, 2013

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

revised Oct 17, 2012

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee BUSHING		(417) 345-5926			
Chair Zhao P.		peter.zhao@HydroOne.com			
PC57.19.04	Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings	Hurley 614-716-1891 cahurley@aep.com		6/16/2011 12/31/2015	New Project
C57.19.00	Standard General Requirements and Test Procedure for Power Apparatus Bushings	Ellis K. P. (615) 847-2157 keithcota@aol.com	2004 12/31/2020		Approved Formally Std. IEEE 21 Previous revision 1991. Errata issued March 2010 Reaffirmation approved 12/8/2010
C57.19.01 PC57.19.01	IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	Del Rio 905 426 2665 arturo.delrio@trench-group.com	2000 12/31/2018	12/8/2010 12/31/2014	Approved +PAR for Revision Formally Std. IEEE 24 Reaffirmed in 2005. Dec '10: Revcom extended for duration of PAR, December 2014
C57.19.03-19 P65700-19-03	Standard Requirements, Terminology, and Test Code for Bushing for DC Applications - Corrigendum 1	Recksiedler 204 474 3192	12/31/2018	3/25/2010 12/31/2014	Approved + PAR for Revision Published 6/6/2006 See Corrigenda -1, Published in 2006 New PAR for revision submitted 10/2007 Std merging with IEC std PAR Modification approved March 2010
C57.19.100 PC57.19.100	IEEE Guide for Application of Power Apparatus Bushings	Spitzer T. (817) 215-6457 tommy.spitzer@oncorgroup.com	1995 12/31/2018	3/30/2006 12/31/2012	Approved - Active PAR for Revision New PAR requested and approved to 12/31/2010. NESCO approved Extension till Dec 2012 Ballot completed and on Dec 2012 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DIELECTRIC TESTS	(614) 552-1759			
Chair	Wagenaar L. B.	lbwagenaar@ieee.org			
C57.113	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 12/31/2020		Approved std Revision approved June 2010
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 12/31/2018		Approved
C57.138 PC57.138	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	Crotty J.W. 573 659 6265 john.w.crotty@us.abb.com	1998 12/31/2018	2/2/2010 12/31/2015	Approved - Reaffirmed in June '05 Reaffirmation approved by RevCom on 6/8/05. Dec '10: Nescom approved new PAR until Dec31 2015 Revccom extended std until Dec 2015
C57.98	IEEE Guide for Transformer Impulse Tests	Molden A. (845) 225-0993 a.molden@ieee.org	1994 12/31/2021		Approved - PAR to Revise IEEE Std C57.98-1994 PAR extension requested and approved to 12/31/2009. Dec '10: PAR mod and extension approved by Nescom Submitted to Revcom and on December-11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DISTRIBUTION TRANSFORMERS	(417) 625-6110			
Chair	Shull S.	sshull@empiredistrict.com			
PC57.12.33	Guide for Distribution Transformer Loss Evaluation	Pekarek T. J. (330) 761-7800 tjpekarek@firstenergycorp.com			PAR WITHDRAWN - Inactive WG Decision made at Las Vegas Meeting to discontinue this activity.
PC57.12.39	Standard Requirements for Distribution Transformer Tank Pressure Coordination	Gaytan C. (52) 818 03022 133 carlos.gaytan.cavazos@indsys.ge.com		2/6/2012 12/31/2016	New Project
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	2011 12/31/2021	6/8/2012 12/31/2016	Approved Standard with approved PAR for Revision PAR for Revision approved June 2012
C57.12.28 PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2005 12/31/2018	9/30/2010 12/31/2014	Approved Previously NEMA/ANSI C57.12.28-1999 Published 9/30/2005 PAR for Revision approved by NESCOM Sept 2010
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 12/31/2018	9/30/2010 12/31/2014	Approved Previously NEMA/ANSI C57.12.29-1991 Current standards Published 10/10/2005. PAR for Revision approved by NESCOM Sept 2010
C57.12.30	Std for Pole-Mounted Eqpt - Enclosures for Coastal Environment	Olen O. (262) 835-3362 rolen@cooperpower.com	12/31/2020		Approved new standard new standard approved June 2010
C57.12.31	IEEE Standard for Pole Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2020		Approved Published 3/6/2003. New PAR approved 3/22/2007 Std Bd approved 6/17/2010
C57.12.32	Standard for Submersible Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2018		Approved Published 3/7/2003. Reaffirmation approved Mar 2008
C57.12.34 PC57.12.34	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	12/31/2019	3/31/2011 12/31/2015	Approved + PAR for Revision Originally Std. 1447, Combined C57.22-1980 & C57.12.26-1992 Revised Standard approved Dec09 Mar '11: Nescom approved new PAR for Revision
C57.12.35 PC57.12.35	IEEE Standard for Bar Coding for Distribution Transformers	Matthews P (601) 422-1533 lmatthews@howard-ind.com	2007 12/31/2018	6/17/2010 12/31/2014	Approved Formally P1265. PAR for Revision approved June 2010
C57.12.36 PC57.12.36	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Murphy J.R. (407) 824-4194 jerry.murphy@ieee.org	2007 12/31/2018	12/7/2011 12/31/2015	Approved std and approved PAR for Revision approved by SA Board on 9/27/2007 PAR for Revision submitted Oct'11 and approved Dec '11

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DISTRIBUTION TRANSFORMERS	(417) 625-6110			
Chair	Shull S.	sshull@empiredistrict.com			
C57.12.37 PC57.12.37	IEEE Standard for the Electronic Reporting of Transformer Test Data	Crotty J.W. 573 659 6265 john.w.crotty@us.abb.com	2006 12/31/2018	12/7/2011 12/31/2015	Approved with PAR for Revision Formally C57.132, IEEE Std 1388-2000 D11d approved by SA Board on 3/30/2006. Published 7/21/2006. New PAR for Revision submitted Sept'11 -approved Dec'11
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 12/31/2019	3/24/2010 12/31/2014	Approved - revision in progress This std replaces C57.12.21 & C57.12.25 Std published Nov 30 2009 PAR for Revision approved by Nescom Mar-2010
C57.15	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	Colopy C. A. (262) 896-2342 ccolopy@cooperpower.com	1999 12/31/2019		Approved A new PAR was approved 6/9/05 due to scope changes. Original PAR withdrawn. Also known as 60076-21-2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DRY TYPE TRANSFORMERS	(276) 688-1512			
Chair	Johnson, Jr. C. W.	charles.w.johnson@us.abb.com			
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 12/31/2018	12/9/2009 12/31/2013	Approved Previous 1998 version was successfully revised and approved in 2005. Published 5/19/2006 PAR for Revision approved Dec 09
C57.12.51	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	12/31/2018		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. Approved by SA Sept 2008
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 12/31/2012	5/7/2007 12/31/2012	Active PAR for revision Previously ANSI C57.12.52-1981 PAR Expires Dec 2011 1st Ballot Sept '11. NESCOB extended PAR til Dec 2012 Ballot complete and on Agenda for Dec 2012
C57.12.56	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		Withdrawn Dec 31 2009 C57.12.56 and C57.12.60 were merged together
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 12/31/2018		Approved - Active Reaffirmed Sept 2008
C57.12.59 PC57.12.59	IEEE Guide for Dry-Type Transformer Through-Fault Current Duration	Powell P. A. (202) 388-2335 papayne@ieee.org	2001 12/31/2018	12/7/2011 12/31/2015	Approved Reaffirmation approved in 12/5/2006. PAR for Revision submitted Oct'11 and approved by Std Bd Dec'11
C57.12.60	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 12/31/2019		Approved IEEE Std C57.12.56-1986 and IEEE Std C57.12.60-1998 merged together in 2009
C57.12.91	IEEE Standard Test Code for Dry-Type Distribution and Power Transformers	Foster D. R. (815) 678-2421 dfoster@olsun.com	2001 12/31/2021		Approved
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 12/31/2019		Approved Need to initiate reaffirmation and request extension. Reaffirmed Dec09
C57.134 PC57.134	IEEE Guide for Determination of Hottest Spot Temperature in Dry Type Transformers	Powell P. A. (202) 388-2335 papayne@ieee.org	2000 12/31/2018	12/7/2011 12/31/2015	Approved Reaffirmation approved 3/30/2006 PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee DRY TYPE TRANSFORMERS		(276) 688-1512			
Chair	Johnson, Jr. C. W.	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 richardd@ca.trenchgroup.com	1996 12/31/2018		Approved Revision approved by Std Bd Sept 2011
C57.94 PC57.94	IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers	Stankes S (603) 545-3026	1982 12/31/2018	11/9/2011 12/31/2015	Approved Reaffirmation approved by the SA Board on 12/6/2006 REVISION PAR approved Dec'11
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 12/31/2018	12/9/2009 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	Stankes S (603) 545-3026	1999 12/31/2020		Approved 9/22/04 - RevCom approved reaffirmation Reaffirmed March 2010
SubCommittee HVDC CON TX & SMRs		416-298-8108			
Chair	Sharp M.	mikes@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 richardd@ca.trenchgroup.com	2007 12/31/2018		Approved 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 approved by SA Board 9/27/2007
IEEE 1277	IEEE General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission	Dudley R. F. (416) 298-8108 richardd@ca.trenchgroup.com	2000 12/31/2020		Approved. Active PAR for revision Active PAR for revision. Ballot approved March 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee Chair	INSTRUMENT TRANSFORMERS McTaggart R.	(416) 751-8570 rossdm@ca.trenchgroup.com			
PC57.13.7	Standard for Instrument Transformer with max output of 250ma	Alton		9/30/2010 12/31/2014	New Project New project approved by NESCOM Sept 2010
C57.13 PC57.13	IEEE Standard Requirements for Instrument Transformers	Smith J. E. (601) 346-9104 jes1@ieee.org	2008 12/31/2018	3/24/2010 12/31/2014	Approved - Active PAR to revise std. PAR to Revise IEEE Std C57.13-2008 submitted to NESCOM PAR approved by NESCOM Mar-2010 PAR for Corrigendum approved Sept 2010
C57.13.2	Conformance Test Procedure for Instrument Transformers	Smith J. E. (601) 346-9104 jes1@ieee.org	2005 12/31/2020		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. Reaffirmed 6/17/2010
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 12/31/2019		Approved 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	Smith J. E. (601) 346-9104 jes1@ieee.org	12/31/2020		Approved Document published in 12/9/2005 Reaffirmed 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	INSULATING FLUIDS	(612) 330-6904			
Chair	McNelly S.J.	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	Thompson J. A. 605-534-3571 serve1@svtv.com		6/16/2010 12/31/2014	New Project New Project - Std under development - currently under ballot resolution. PAR extension requested and approved to 12/31/2007. New PAR approved June 2010
PC57.155	DGA Guide for Esters filled Transformers	Boman P.E. (785)256-7161 paul_boman@hsb.com		3/24/2010 12/31/2014	New Project PAR approved by NESCOM - March-2010
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 12/31/2018	1/9/2010 12/31/2014	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 PC57.106	IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment	Rasor B. Bob.Rasor@sdmyers.com	2006 12/31/2018	11/9/2011 12/7/2016	Approved Standard PAR for Revision approved Dec'11
C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	Boman P.E. (785)256-7161 paul_boman@hsb.com	1983 12/31/2019		Approved
C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	Sundin 9035267577 sales@dsifluids.com	1998 12/31/2019		Approved Was to be administratively withdrawn in Dec., 2004 Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed Dec 2009
C57.139 PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Wallach D.J. (980) 373-4167 djwallac@duke-energy.com	2010 12/31/2018	6/16/2011 12/31/2015	Approved PC57.139 was approved as a new standard by the IEEE-SA Standards Board on December 8, 2010
C57.146	Guide for Interpretation of Gasses Generated in Silicone-Immersed Transformers	Murphy J.R. (407) 824-4194 jerry.murphy@ieee.org	2005 12/31/2021		Approved Reaff Ballot invitation opened Oct '10; Ballot closed Dec 21 '10 with No Negatives Revcom approved extension until Dec 2011 Reaff approved 16-June-11.
C57.147 PC57.147	Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers	McShane C. P. (262) 524-4591 cpmcshane@cooperpower.com	12/31/2018	2/6/2012 12/31/2016	Active with active PAR for Revision New Standard approved May 2008
IEEE 637 PC57.637	IEEE Guide for the Reclamation of Insulating Oil and Criteria for Its Use	Thompson J. A. 605-534-3571 serve1@svtv.com	1985 12/31/2018	12/10/2008 12/31/2014	Approved - Reaffirmed Reaffirmation approved by SA Board 9/27/2007 PAR for Revision approved Dec 2008 PAR extension approved June 2012, until Dec 2014

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	INSULATION LIFE	405-622-8816			
Chair	Forsyth B. I.	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		PAR WITHDRAWN Previously P1524 Modified PAR to expire in 2004 PAR administratively withdrawn in December, 2004
C57.100	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 12/31/2021		Approved Standard Requested PAR for revision on 10/18/2004. PAR extended 2008 1st Ballot -2010; 1st Recirc Sept 2011; 2nd Recirc closed 20-Oct'2011 APPROVED Dec 2011
C57.119	IEEE Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Ratings	Tuli S. C. 414 477 6669 subhash.tuli@ieee.org	2001 12/31/2018		Approved Previously IEEE 838. Published 3/12/2002. Reaffirmed Mar 2008
C57.154 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	2012 12/31/2013	3/19/2009	New Standard PAR for new standard approved March 2009 Standard Bd approved Aug 30, 2012
C57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers	Duckett D. A. (407) 942-9401 don.duckett@pgnmail.com	1995 12/31/2021		Approved Combined from C57.91-1981 & C57.92-1981 & C57.115-1991
IEEE 1276 P1276	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 12/31/2018	2/6/2012 12/31/2016	Approved with active PAR for Revision Upgrade from trial use to full use on 3/30/2000 Reaffirmation approved by SA Board in 3/30/2006 PAR for Revision submitted Oct'11 and approved by Std Bd Feb 2012
IEEE 1538	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer	Forsyth B. I. 405-622-8816 bruce.forsyth@ieee.org	2000 12/31/2021		Approved Original approval in 2000. Reaffirmed in 2005. Reaffirmed again in Dec 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(519) 837-4691			
Chair	TeNyenhuis E.G.	ed.g.tenyenhuis@ca.abb.com			
P60076-16	Standard Requirements for Wind Turbine Generator Transformers	Buckmaster D.E. 980-321-8381 david.buckmaster@shawgrp.com		6/8/2012 12/31/2016	Approved PAR PAR approved June 2012 This is an IEC Joint development
P60076-57-12	Standard Requirements for Phase Shifting Transformers	Ahuja R. K. (408) 957-8348 raj.ahuja@waukeshaelectric.spx.com		6/8/2012 12/31/2016	Approved PAR PAR approved June 2012 This is an IEC Joint development
PC57.133	Guide for Short-Circuit Testing of Distribution and Power Transformers	Fortin M. 450-922-0925 fortin.marcel@ieee.org			PAR Withdrawn This PAR was withdrawn by consensus of PCSC. Proposed contents are reportedly addressed in C57.12.90.
PC57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	Sweetser C.L. (781) 672-6214 <charles.sweetser@omiconusa.com>		6/24/2004 12/31/2012	New Project PAR approved by NesCom 6/23/2004 PAR extension request submitted - on Dec NESCOM agenda Dec'10: NESCOM approved 2 yr extension PAR Mod app'd June 2011 Ballot completed and on Agenda for Dec 2012
PC57.158	Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers	Betancourt E. (52-80)-30-2135 enrique.betancourt.ramirez@indsys.ge.c		5/15/2012 12/31/2016	Approved PAR
PC57.159	Guide for Application in Distributed Photovoltaic (DPV) Transformers in Power Generation Systems	Shertukde H.M. (860) 768-4847 shertukde@mail.hartford.edu		6/8/2012 12/31/2016	Approved PAR
C57.105	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems	Reitter G. J. (650) 508-2850 greitter@deltastar.com	1978 12/31/2018		Approved Was to be administratively withdrawn in Dec., 2004. Request extension to 2006. Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed 2008
C57.109	IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration	Patel B. K. (205) 987-8012 bkpatel8012@charter.net	1993 12/31/2018		Approved Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed Mar 2008
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 12/31/2018		Approved PAR approved 11/18/2004. Ballot closed on 9/27/2007- need recirculation Approved by REVCOM Mar 2008

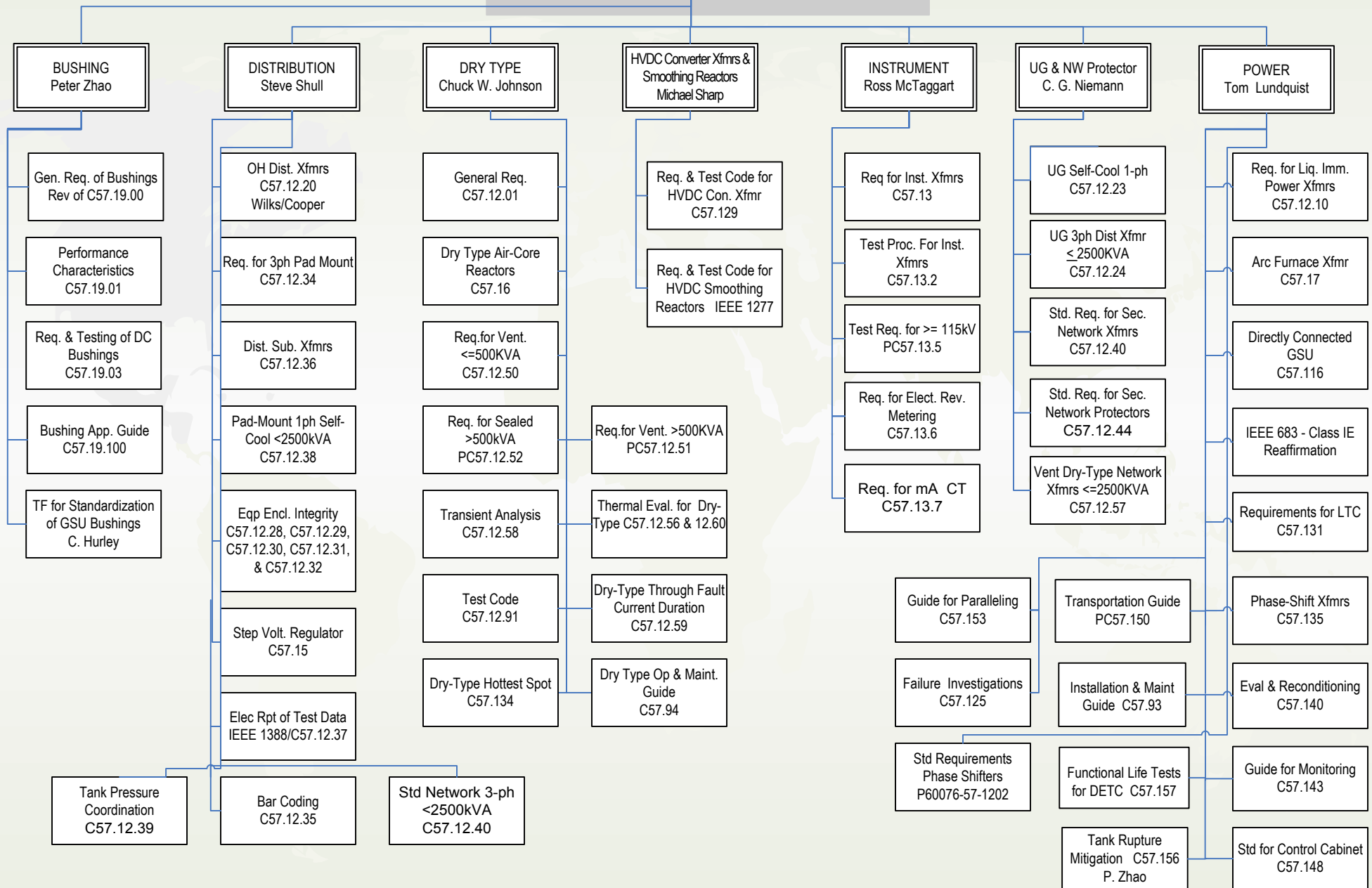
STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(519) 837-4691			
Chair	TeNyenhuis E.G.	ed.g.tenyenhuis@ca.abb.com			
C57.120 PC57.120	IEEE Loss Evaluation Guide for Power Transformers and Reactors	Traut A. 706-548-3121 atraut@ieee.org	1991 12/31/2018	3/24/2010 12/31/2014	Approved - revision in progress Reaffirmation approved by RevCom 6/8/2006. PAR for Revision submitted 1/21/2010 to merge C57.120 & C57.12.33 Approved by NESCOM Mar-2010
C57.123	IEEE Guide for Transformer Loss Measurement	TeNyenhuis E.G. (519) 837-4691 ed.g.tenyenhuis@ca.abb.com	2002 12/31/2020		Approved std Ref Std. IEEE 1098 Revision approved June 2010
C57.136 PC57.136	IEEE Guide for Sound Level Abatement and Determination for Liquid- Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA	Antosz S. (412) 498-3916 santosz@comcast.net	2000 12/31/2018	9/30/2010 12/31/2014	Approved + Active PAR for Revision Reaffirmation approved by RevCom on 9/21/2005 PAR for Revision approved by NESCOM Sept 2010
C57.142 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	2010 12/31/2020		Approved PC57.142 was approved as a new standard Standards Board on December 8, 2010
C57.18.10	IEEE Standard Practices and Requirements for Semiconductor Power Rectifier Transformers	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1998 12/31/2019		Approved Replaced the C57.18-1964 for pool cathode mercury-arc rectifiers. Amendment 1: Technical and Editorial Corrections was approved 3/27/08
C57.21	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA	Dudley R. F. (416) 298-8108 richarddd@ca.trenchgroup.com	1990 12/31/2018		Approved Reaffirmation approved on 6/23/2004. Revised Std approved Mar 2008
IEEE 32 PC57.32	IEEE Standard Requirements, Terminology, and Testing Procedures for Neutral Grounding Devices	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1972 12/31/2018	12/7/2011 12/31/2015	Approved - Active PAR to revise std Dec. 2002 - Sponsor changed from PES/SPD to PES/TR; PAR Modified and extended to Dec 2011; PAR stalled Oct'11, without a ballot. PAR withdrawn & New PAR submitted Oct'11, approved by Stds Bd Dec '11

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Chu D. (212) 460-3456 chud@coned.com		3/21/2002 12/31/2012	New Project PAR extension requested approved on 12/5/2006. PAR extension request submitted Sept 2010 - on Dec NESCOM agenda Dec'10: NESCOM approved 2 yr extension Ballot completed and is on Agenda for Dec 2012
PC57.150	Guide for the Transportation of Large Power Transformers and Reactors	Anderson G. W. (402) 680-1111 gwanderson@ieee.org		11/18/2004 12/31/2012	New Project PAR approved by NesCom in 11/18/2004 Dec'10: NESCOM approved 1 yr extension 1st Ballot closed 23-Oct'11; Ballot completed and on Agenda for Dec 2012
PC57.153	Guide for Paralleling Power Transformers	Jauch E.T. (727) 866-0632 jauch@ieee.org		3/27/2008 12/31/2014	New Project PAR approved Mar 2008 PAR Extension granted May 2012, until Dec2014
PC57.156	Guide to Tank Rupture Mitigation	Zhao P. (417) 345-5926 peter.zhao@HydroOne.com		6/16/2011 12/31/2015	New Project
PC57.157	Guide for Conducting Functional Life Tests for De-energized Tap-changer Contacts	Hopkinson P. J. (704) 846-3290 phopkinson@ieee.org		12/7/1011 12/31/2015	New Project PAR for New standard approved Dec'11
PC57.17	Standard Requirements for Arc Furnace Transformers	Ganser R. (330) 492-8433 rganser@aol.com		3/22/2007 12/31/2012	NEW PAR for revision PAR for revision of old ANSI Std. requested. MEC Completed /Ready for ballot /Waiting for Copyright Release NESCOM extended PAR till Dec 2012 Ballot completed and on Agenda for Dec 2012
C57.116	IEEE Guide for Transformers Directly Connected to Generators	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1989 12/31/2018		Approved Reaffirmation approved in Dec. 2005 2010 Reaffirmation Ballot Closed with many Negatives PAR for Revision submitted July 2011 - Std extended for life of the PAR
C57.117 PC57.125	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 12/31/2018	2/1/2011 12/31/2015	Active Previously IEEE 786-1986, original approval date 6/19/1986. Oct 2010 decision to merge with C57.125. This standard is still Active because of PAR for revision of C57.125. This will be withdrawn when Revision of C57.125 is approved.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
C57.12.10 PC57.12.10 C	Standard Requirements for Liquid-Immersed Power Transformers	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1997 12/31/2020	8/30/2012	Approved standard Formally NEMA/ANSI document. PAR approved in August for Corrigenda Corrigenda ballot approved and on December Stds Bd Agenda
C57.125 PC57.125	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 12/31/2018	2/1/2011 12/31/2015	Approved Oct'10: decision to merge with C57.117. PAR for Revision submitted Oct 13 2010 Feb'11: NESCOM approved new PAR for merger of 117 and 125.
C57.131	IEEE Standard Requirements for Load Tap Changers	Henning W. R. (262) 547-0121 whenning@ieee.org	1995 12/31/2022		Approved Standard PAR Modified Dec 09 and extended to Dec 2010. Dec '10: Nescom & Revcom extend until Dec31 2011 1st Ballot closed May'11; 1st Recirc closed 21-Oct; Std was approved Mar 2012
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 12/31/2021		Approved Approved for IEEE/IEC Dual Logo Dec. 2005 - IEC 62032 Ed. 1
C57.140 PC57.140	Evaluation and Reconditioning of Liquid Immersed Power Transformers	James R. I. (504) 576-6246 r.james@ieee.org	2006 12/31/2018	3/31/2011 12/31/2105	Approved D18 approved by RevCom 11/16/2006 Mar '11: Nescom approved new PAR until Dec31 2015
C57.148 PC57.148	Standard for Control Cabinets for Power Transformers	Watson J.D. (561) 691-2206 joe_watson@ieee.org	2011 12/31/2018		New Standard Approved by Std Bd Sept 2011
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 12/31/2018	3/29/2012 12/31/2016	Approved Standard - with approved 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 Approved by RevCom 12/2007 PAR for Revision was approved March 2012
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 12/31/2018	6/7/2007 12/31/2012	Approved - Active - with errata dated 4/7/1999 Reaffirmation approved by SA Board 3/30/2006. New PAR for revision approved 6/7/2007. NESCOM approved Extension till Dec 2012 Ballot Launched Sept 20, 2012, PAR extension Request submitted 10/15/12

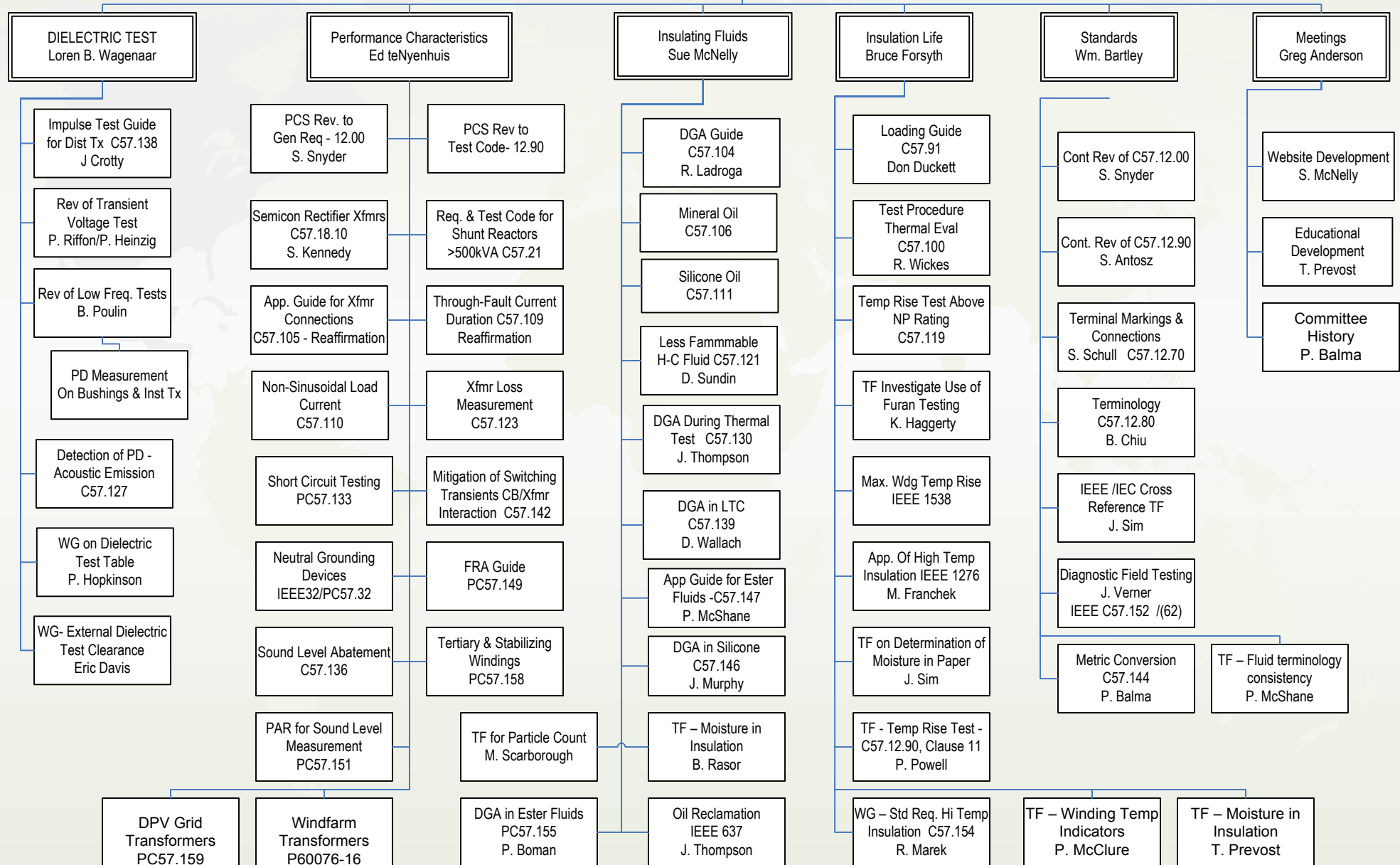
STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee STANDARDS		(860) 722-5483			
Chair	Bartley	W. H.			
C57.12.00 PC57.12.00	IEEE Standard for General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	Snyder S. L. (731) 288-4282 slnsyder@ieee.org	2010 12/31/2020	6/16/2011 12/31/2015	Approved 2010 rev approved by SA Board in June, 2010. Published 9/10/2010. PAR for Continuous Revision approved June 2011
C57.12.70	IEEE Standard Terminal Markings and Connections for Distribution and Power Transformers	Shull S. (417) 625-6110 sshull@empiredistrict.com	2000 12/31/2021		Approved Published 3/16/2001. Reaff approved by RevCom 3/30/2006. New Revision approved by Std Board Dec 2011
C57.12.80	IEEE Standard Terminology for Power and Distribution Transformers	Chiu B. (626) 308-6086 bill.chiu@sce.com	2002 12/31/2020		Approved std Amendment PAR approved to add thermally upgraded definition Revision approved Sept 2010
C57.12.90 PC57.12.90	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	Antosz S. (412) 498-3916 santosz@comcast.net	2006 12/31/2020	6/16/2011 12/31/2015	Approved Published Oct 2010 PAR for Continuous Revision approved June 2011
C57.144	Guide for Metric Conversion of Transformer Standards	Balma P.M. (973) 430-8259 peter.balma@pseg.com	2004 12/31/2020		Approved Published 10/22/2004 Reaffirmed March 2010
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 12/31/2018	5/19/2008 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 mod approved 16-June-11 PAR extension request submitted, and on December 2012 agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	UNDERGROUND TR & NW PROTECT	(847) 683-2145			
Chair	Niemann C. G.	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 12/31/2019		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 12/31/2019	11/9/2011 12/31/2015	Approved standard New PAR for Revision approved Nov '11
C57.12.40 PC57.12.40	Standard for Requirements for Secondary Network Transformers - Subway and Vault Types (Liquid Immersed)	Klaponksi B. (204) 633-7220 brian.klaponski@carte.ca	2011 12/31/2021	8/30/2012 12/31/2016	Approved Standard with approved PAR for Revision Approved - C57.12.40-2011
C57.12.44 PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	Wimmer W. G. (804) 771-4225 bill_wimmer@dom.com	2005 12/31/2018	6/17/2010 12/31/2014	Approved PC57.12.44/D2.1 approved by RevCom in December 2005. Published 6/07/2006 PAR for Revision approved June 2010
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.



IEEE/PES Transformers Committee
 Chair: Bill Chiu
 Vice Chair: Don Platts Secretary: Stephen Antosz Treas: Greg Anderson
 Past Chair: J. Ed Smith Std. Coordinator: Bill Bartley

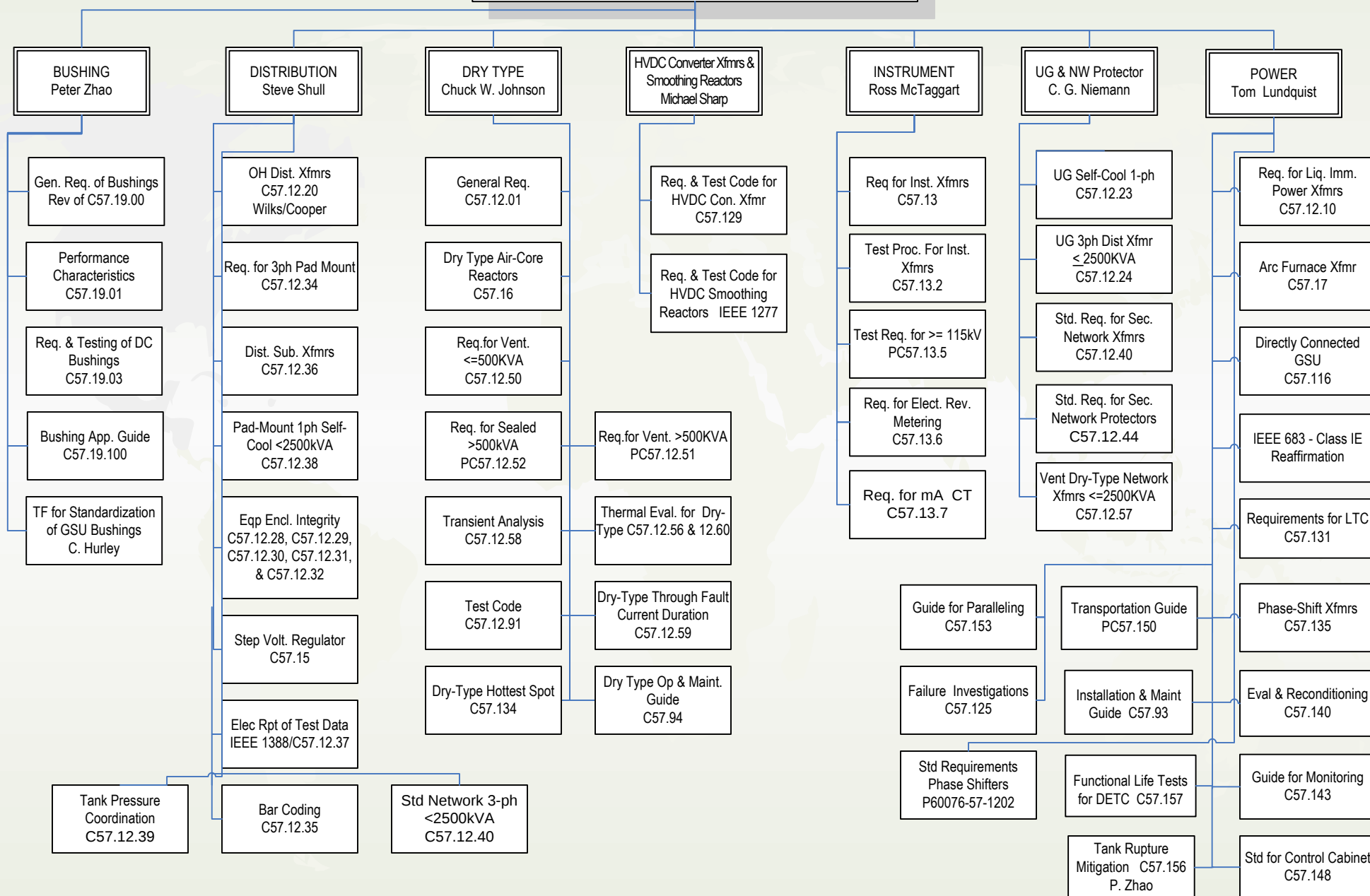
Revised 10/17/2012



Chair: Bill Chiu
Vice Chair: Don Platts Secretary: Stephen Antosz Treas: Greg Anderson
Past Chair: J. Ed Smith Std. Coordinator: Bill Bartley

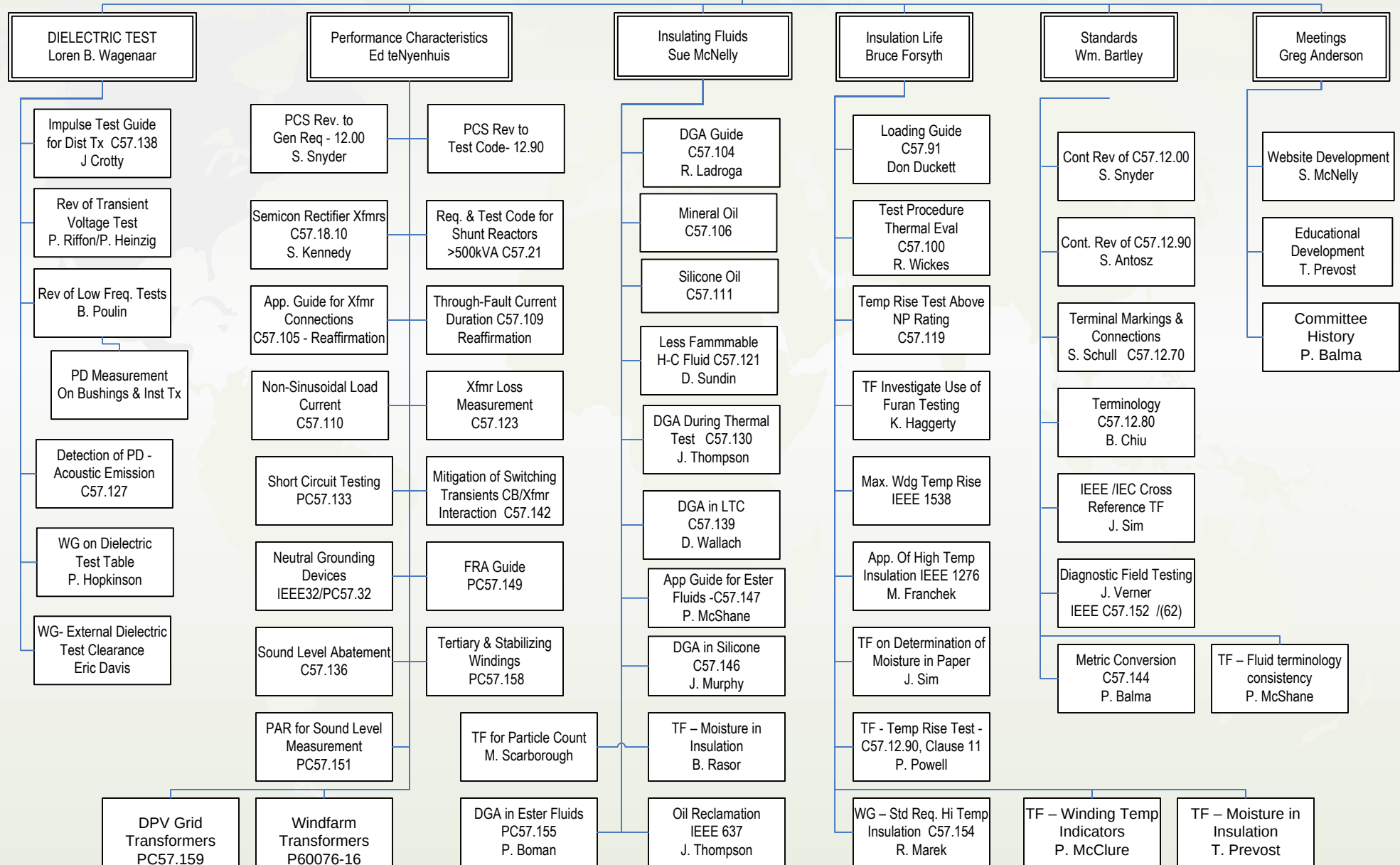
Vice Chair: Don Platts Secretary: Stephen Antosz Treas: Greg Anderson
Past Chair: J. Ed Smith Std. Coordinator: Bill Bartley

Revised 10/17/2012



IEEE/PES Transformers Committee
Chair: Bill Chiu
Vice Chair: Don Platts Secretary: Stephen Antosz Treas: Greg Anderson
Past Chair: J. Ed Smith Std. Coordinator: Bill Bartley

Revised 10/17/2012



IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

revised Oct 12, 2012

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee BUSHING		(417) 345-5926			
Chair Zhao P.		peter.zhao@HydroOne.com			
PC57.19.04	Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings	Hurley 614-716-1891 cahurley@aep.com		6/16/2011 12/31/2015	New Project
C57.19.00	Standard General Requirements and Test Procedure for Power Apparatus Bushings	Ellis K. P. (615) 847-2157 keithcota@aol.com	2004 12/31/2020		Approved Formally Std. IEEE 21 Previous revision 1991. Errata issued March 2010 Reaffirmation approved 12/8/2010
C57.19.01 PC57.19.01	IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	Del Rio 905 426 2665 arturo.delrio@trench-group.com	2000 12/31/2018	12/8/2010 12/31/2014	Approved +PAR for Revision Formally Std. IEEE 24 Reaffirmed in 2005. Dec '10: Revcom extended for duration of PAR, December 2014
C57.19.03-19 P65700-19-03	Standard Requirements, Terminology, and Test Code for Bushing for DC Applications - Corrigendum 1	Recksiedler 204 474 3192	12/31/2018	3/25/2010 12/31/2014	Approved + PAR for Revision Published 6/6/2006 See Corrigenda -1, Published in 2006 New PAR for revision submitted 10/2007 Std merging with IEC std PAR Modification approved March 2010
C57.19.100 PC57.19.100	IEEE Guide for Application of Power Apparatus Bushings	Spitzer T. (817) 215-6457 tommy.spitzer@oncorgroup.com	1995 12/31/2018	3/30/2006 12/31/2012	Approved - Active PAR for Revision New PAR requested and approved to 12/31/2010. NESCO approved Extension till Dec 2012 Ballot completed and on Dec 2012 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DIELECTRIC TESTS	(614) 552-1759			
Chair	Wagenaar L. B.	lbwagenaar@ieee.org			
C57.113	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 12/31/2020		Approved std Revision approved June 2010
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 12/31/2018		Approved
C57.138 PC57.138	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	Crotty J.W. 573 659 6265 john.w.crotty@us.abb.com	1998 12/31/2018	2/2/2010 12/31/2015	Approved - Reaffirmed in June '05 Reaffirmation approved by RevCom on 6/8/05. Dec '10: Nescom approved new PAR until Dec31 2015 Revccom extended std until Dec 2015
C57.98	IEEE Guide for Transformer Impulse Tests	Molden A. (845) 225-0993 a.molden@ieee.org	1994 12/31/2021		Approved - PAR to Revise IEEE Std C57.98-1994 PAR extension requested and approved to 12/31/2009. Dec '10: PAR mod and extension approved by Nescom Submitted to Revcom and on December-11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DISTRIBUTION TRANSFORMERS	(417) 625-6110			
Chair	Shull S.	sshull@empiredistrict.com			
PC57.12.33	Guide for Distribution Transformer Loss Evaluation	Pekarek T. J. (330) 761-7800 tjpekarek@firstenergycorp.com			PAR WITHDRAWN - Inactive WG Decision made at Las Vegas Meeting to discontinue this activity.
PC57.12.39	Standard Requirements for Distribution Transformer Tank Pressure Coordination	Gaytan C. (52) 818 03022 133 carlos.gaytan.cavazos@indsys.ge.com		2/6/2012 12/31/2016	New Project
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	2011 12/31/2021	6/8/2012 12/31/2016	Approved Standard with approved PAR for Revision PAR for Revision approved June 2012
C57.12.28 PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2005 12/31/2018	9/30/2010 12/31/2014	Approved Previously NEMA/ANSI C57.12.28-1999 Published 9/30/2005 PAR for Revision approved by NESCOM Sept 2010
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 12/31/2018	9/30/2010 12/31/2014	Approved Previously NEMA/ANSI C57.12.29-1991 Current standards Published 10/10/2005. PAR for Revision approved by NESCOM Sept 2010
C57.12.30	Std for Pole-Mounted Eqpt - Enclosures for Coastal Environment	Olen O. (262) 835-3362 rolen@cooperpower.com	12/31/2020		Approved new standard new standard approved June 2010
C57.12.31	IEEE Standard for Pole Mounted Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2020		Approved Published 3/6/2003. New PAR approved 3/22/2007 Std Bd approved 6/17/2010
C57.12.32	Standard for Submersible Equipment - Enclosure Integrity	Olen O. (262) 835-3362 rolen@cooperpower.com	2002 12/31/2018		Approved Published 3/7/2003. Reaffirmation approved Mar 2008
C57.12.34 PC57.12.34	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	12/31/2019	3/31/2011 12/31/2015	Approved + PAR for Revision Originally Std. 1447, Combined C57.22-1980 & C57.12.26-1992 Revised Standard approved Dec09 Mar '11: Nescom approved new PAR for Revision
C57.12.35 PC57.12.35	IEEE Standard for Bar Coding for Distribution Transformers	Matthews P (601) 422-1533 lmatthews@howard-ind.com	2007 12/31/2018	6/17/2010 12/31/2014	Approved Formally P1265. PAR for Revision approved June 2010
C57.12.36 PC57.12.36	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Murphy J.R. (407) 824-4194 jerry.murphy@ieee.org	2007 12/31/2018	12/7/2011 12/31/2015	Approved std and approved PAR for Revision approved by SA Board on 9/27/2007 PAR for Revision submitted Oct'11 and approved Dec '11

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DISTRIBUTION TRANSFORMERS	(417) 625-6110			
Chair	Shull S.	sshull@empiredistrict.com			
C57.12.37 PC57.12.37	IEEE Standard for the Electronic Reporting of Transformer Test Data	Crotty J.W. 573 659 6265 john.w.crotty@us.abb.com	2006 12/31/2018	12/7/2011 12/31/2015	Approved with PAR for Revision Formally C57.132, IEEE Std 1388-2000 D11d approved by SA Board on 3/30/2006. Published 7/21/2006. New PAR for Revision submitted Sept'11 -approved Dec'11
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 12/31/2019	3/24/2010 12/31/2014	Approved - revision in progress This std replaces C57.12.21 & C57.12.25 Std published Nov 30 2009 PAR for Revision approved by Nescom Mar-2010
C57.15	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	Colopy C. A. (262) 896-2342 ccolopy@cooperpower.com	1999 12/31/2019		Approved A new PAR was approved 6/9/05 due to scope changes. Original PAR withdrawn. Also known as 60076-21-2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	DRY TYPE TRANSFORMERS	(276) 688-1512			
Chair	Johnson, Jr. C. W.	charles.w.johnson@us.abb.com			
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 12/31/2018	12/9/2009 12/31/2013	Approved Previous 1998 version was successfully revised and approved in 2005. Published 5/19/2006 PAR for Revision approved Dec 09
C57.12.51	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	12/31/2018		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. Approved by SA Sept 2008
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 12/31/2012	5/7/2007 12/31/2012	Active PAR for revision Previously ANSI C57.12.52-1981 PAR Expires Dec 2011 1st Ballot Sept '11. NESCOB extended PAR til Dec 2012 Ballot complete and on Agenda for Dec 2012
C57.12.56	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		Withdrawn Dec 31 2009 C57.12.56 and C57.12.60 were merged together
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 12/31/2018		Approved - Active Reaffirmed Sept 2008
C57.12.59 PC57.12.59	IEEE Guide for Dry-Type Transformer Through-Fault Current Duration	Powell P. A. (202) 388-2335 papayne@ieee.org	2001 12/31/2018	12/7/2011 12/31/2015	Approved Reaffirmation approved in 12/5/2006. PAR for Revision submitted Oct'11 and approved by Std Bd Dec'11
C57.12.60	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 12/31/2019		Approved IEEE Std C57.12.56-1986 and IEEE Std C57.12.60-1998 merged together in 2009
C57.12.91	IEEE Standard Test Code for Dry-Type Distribution and Power Transformers	Foster D. R. (815) 678-2421 dfoster@olsun.com	2001 12/31/2021		Approved
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 12/31/2019		Approved Need to initiate reaffirmation and request extension. Reaffirmed Dec09
C57.134 PC57.134	IEEE Guide for Determination of Hottest Spot Temperature in Dry Type Transformers	Powell P. A. (202) 388-2335 papayne@ieee.org	2000 12/31/2018	12/7/2011 12/31/2015	Approved Reaffirmation approved 3/30/2006 PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee DRY TYPE TRANSFORMERS		(276) 688-1512			
Chair	Johnson, Jr. C. W.	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 richardd@ca.trenchgroup.com	1996 12/31/2018		Approved Revision approved by Std Bd Sept 2011
C57.94 PC57.94	IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers	Stankes S (603) 545-3026	1982 12/31/2018	11/9/2011 12/31/2015	Approved Reaffirmation approved by the SA Board on 12/6/2006 REVISION PAR approved Dec'11
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 12/31/2018	12/9/2009 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	Stankes S (603) 545-3026	1999 12/31/2020		Approved 9/22/04 - RevCom approved reaffirmation Reaffirmed March 2010
SubCommittee HVDC CON TX & SMRs		416-298-8108			
Chair	Sharp M.	mikes@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 richardd@ca.trenchgroup.com	2007 12/31/2018		Approved 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 approved by SA Board 9/27/2007
IEEE 1277	IEEE General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission	Dudley R. F. (416) 298-8108 richardd@ca.trenchgroup.com	2000 12/31/2020		Approved. Active PAR for revision Active PAR for revision. Ballot approved March 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee Chair	INSTRUMENT TRANSFORMERS McTaggart R.	(416) 751-8570 rossdm@ca.trenchgroup.com			
PC57.13.7	Standard for Instrument Transformer with max output of 250ma	Alton		9/30/2010 12/31/2014	New Project New project approved by NESCOM Sept 2010
C57.13 PC57.13	IEEE Standard Requirements for Instrument Transformers	Smith J. E. (601) 346-9104 jes1@ieee.org	2008 12/31/2018	3/24/2010 12/31/2014	Approved - Active PAR to revise std. PAR to Revise IEEE Std C57.13-2008 submitted to NESCOM PAR approved by NESCOM Mar-2010 PAR for Corrigendum approved Sept 2010
C57.13.2	Conformance Test Procedure for Instrument Transformers	Smith J. E. (601) 346-9104 jes1@ieee.org	2005 12/31/2020		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. Reaffirmed 6/17/2010
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 12/31/2019		Approved 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	Smith J. E. (601) 346-9104 jes1@ieee.org	12/31/2020		Approved Document published in 12/9/2005 Reaffirmed 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	INSULATING FLUIDS	(612) 330-6904			
Chair	McNelly S.J.	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	Thompson J. A. 605-534-3571 serve1@svtv.com		6/16/2010 12/31/2014	New Project New Project - Std under development - currently under ballot resolution. PAR extension requested and approved to 12/31/2007. New PAR approved June 2010
PC57.155	DGA Guide for Esters filled Transformers	Boman P.E. (785)256-7161 paul_boman@hsb.com		3/24/2010 12/31/2014	New Project PAR approved by NESCOM - March-2010
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 12/31/2018	1/9/2010 12/31/2014	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 PC57.106	IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment	Rasor B. Bob.Rasor@sdmyers.com	2006 12/31/2018	11/9/2011 12/7/2016	Approved Standard PAR for Revision approved Dec'11
C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	Boman P.E. (785)256-7161 paul_boman@hsb.com	1983 12/31/2019		Approved
C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	Sundin 9035267577 sales@dsifluids.com	1998 12/31/2019		Approved Was to be administratively withdrawn in Dec., 2004 Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed Dec 2009
C57.139 PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Wallach D.J. (980) 373-4167 djwallac@duke-energy.com	2010 12/31/2018	6/16/2011 12/31/2015	Approved PC57.139 was approved as a new standard by the IEEE-SA Standards Board on December 8, 2010
C57.146	Guide for Interpretation of Gasses Generated in Silicone-Immersed Transformers	Murphy J.R. (407) 824-4194 jerry.murphy@ieee.org	2005 12/31/2021		Approved Reaff Ballot invitation opened Oct '10; Ballot closed Dec 21 '10 with No Negatives Revcom approved extension until Dec 2011 Reaff approved 16-June-11.
C57.147 PC57.147	Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers	McShane C. P. (262) 524-4591 cpmcshane@cooperpower.com	12/31/2018	2/6/2012 12/31/2016	Active with active PAR for Revision New Standard approved May 2008
IEEE 637 PC57.637	IEEE Guide for the Reclamation of Insulating Oil and Criteria for Its Use	Thompson J. A. 605-534-3571 serve1@svtv.com	1985 12/31/2018	12/10/2008 12/31/2014	Approved - Reaffirmed Reaffirmation approved by SA Board 9/27/2007 PAR for Revision approved Dec 2008 PAR extension approved June 2012, until Dec 2014

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	INSULATION LIFE	405-622-8816			
Chair	Forsyth B. I.	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		PAR WITHDRAWN Previously P1524 Modified PAR to expire in 2004 PAR administratively withdrawn in December, 2004
C57.100	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 12/31/2021		Approved Standard Requested PAR for revision on 10/18/2004. PAR extended 2008 1st Ballot -2010; 1st Recirc Sept 2011; 2nd Recirc closed 20-Oct'2011 APPROVED Dec 2011
C57.119	IEEE Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Ratings	Tuli S. C. 414 477 6669 subhash.tuli@ieee.org	2001 12/31/2018		Approved Previously IEEE 838. Published 3/12/2002. Reaffirmed Mar 2008
C57.154 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	2012	3/19/2009 12/31/2013	New Standard PAR for new standard approved March 2009 Standard Bd approved Aug 30, 2012
C57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers	Duckett D. A. (407) 942-9401 don.duckett@pgnmail.com	1995 12/31/2021		Approved Combined from C57.91-1981 & C57.92-1981 & C57.115-1991
IEEE 1276 P1276	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 12/31/2018	2/6/2012 12/31/2016	Approved with active PAR for Revision Upgrade from trial use to full use on 3/30/2000 Reaffirmation approved by SA Board in 3/30/2006 PAR for Revision submitted Oct'11 and approved by Std Bd Feb 2012
IEEE 1538	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer	Forsyth B. I. 405-622-8816 bruce.forsyth@ieee.org	2000 12/31/2021		Approved Original approval in 2000. Reaffirmed in 2005. Reaffirmed again in Dec 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(519) 837-4691			
Chair	TeNyenhuis E.G.	ed.g.tenyenhuis@ca.abb.com			
P60076-16	Standard Requirements for Wind Turbine Generator Transformers	Buckmaster D.E. 980-321-8381 david.buckmaster@shawgrp.com		6/8/2012 12/31/2016	Approved PAR PAR approved June 2012 This is an IEC Joint development
PC57.133	Guide for Short-Circuit Testing of Distribution and Power Transformers	Fortin M. 450-922-0925 fortin.marcel@ieee.org			PAR Withdrawn This PAR was withdrawn by consensus of PCSC. Proposed contents are reportedly addressed in C57.12.90.
PC57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	Sweetser C.L. (781) 672-6214 <charles.sweetser@omiconusa.com>		6/24/2004 12/31/2012	New Project PAR approved by NesCom 6/23/2004 PAR extension request submitted - on Dec NESCOM agenda Dec'10: NESCOM approved 2 yr extension PAR Mod app'd June 2011 Ballot completed and on Agenda for Dec 2012
PC57.158	Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers	Betancourt E. (52-80)-30-2135 enrique.betancourt.ramirez@indsys.ge.c		5/15/2012 12/31/2016	Approved PAR
PC57.159	Guide for Application in Distributed Photovoltaic (DPV) Transformers in Power Generation Systems	Shertukde H.M. (860) 768-4847 shertukde@mail.hartford.edu		6/8/2012 12/31/2016	Approved PAR
C57.105	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems	Reitter G. J. (650) 508-2850 greitter@deltastar.com	1978 12/31/2018		Approved Was to be administratively withdrawn in Dec., 2004. Request extension to 2006. Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed 2008
C57.109	IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration	Patel B. K. (205) 987-8012 bkpatel8012@charter.net	1993 12/31/2018		Approved Reaffirmation ballot pool invitation initiated in October, 2005. Reaffirmed Mar 2008
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 12/31/2018		Approved PAR approved 11/18/2004. Ballot closed on 9/27/2007- need recirculation Approved by REVCOM Mar 2008
C57.120 PC57.120	IEEE Loss Evaluation Guide for Power Transformers and Reactors	Traut A. 706-548-3121 atraut@ieee.org	1991 12/31/2018	3/24/2010 12/31/2014	Approved - revision in progress Reaffirmation approved by RevCom 6/8/2006. PAR for Revision submitted 1/21/2010 to merge C57.120 & C57.12.33 Approved by NESCOM Mar-2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(519) 837-4691			
Chair	TeNyenhuis E.G.	ed.g.tenyenhuis@ca.abb.com			
C57.123	IEEE Guide for Transformer Loss Measurement	TeNyenhuis E.G. (519) 837-4691 ed.g.tenyenhuis@ca.abb.com	2002 12/31/2020		Approved std Ref Std. IEEE 1098 Revision approved June 2010
C57.136 PC57.136	IEEE Guide for Sound Level Abatement and Determination for Liquid- Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA	Antosz S. (412) 498-3916 santosz@comcast.net	2000 12/31/2018	9/30/2010 12/31/2014	Approved + Active PAR for Revision Reaffirmation approved by RevCom on 9/21/2005 PAR for Revision approved by NESCOM Sept 2010
C57.142 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	2010 12/31/2020		Approved PC57.142 was approved as a new standard Standards Board on December 8, 2010
C57.18.10	IEEE Standard Practices and Requirements for Semiconductor Power Rectifier Transformers	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1998 12/31/2019		Approved Replaced the C57.18-1964 for pool cathode mercury-arc rectifiers. Amendment 1: Technical and Editorial Corrections was approved 3/27/08
C57.21	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA	Dudley R. F. (416) 298-8108 richarddd@ca.trenchgroup.com	1990 12/31/2018		Approved Reaffirmation approved on 6/23/2004. Revised Std approved Mar 2008
IEEE 32 PC57.32	IEEE Standard Requirements, Terminology, and Testing Procedures for Neutral Grounding Devices	Kennedy S. P. (716) 896-6500 skennedy@niagaratransformer.com	1972 12/31/2018	12/7/2011 12/31/2015	Approved - Active PAR to revise std Dec. 2002 - Sponsor changed from PES/SPD to PES/TR; PAR Modified and extended to Dec 2011; PAR stalled Oct'11, without a ballot. PAR withdrawn & New PAR submitted Oct'11, approved by Stds Bd Dec '11

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
P60076-57-12	Standard Requirements for Phase Shifting Transformers	Ahuja R. K. (408) 957-8348 raj.ahuja@waukeshaelectric.spx.com		6/8/2012 12/31/2016	Approved PAR PAR approved June 2012 This is an IEC Joint development
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Chu D. (212) 460-3456 chud@coned.com		3/21/2002 12/31/2012	New Project PAR extension requested approved on 12/5/2006. PAR extension request submitted Sept 2010 - on Dec NESCOM agenda Dec'10: NESCOM approved 2 yr extension Ballot completed and is on Agenda for Dec 2012
PC57.150	Guide for the Transportation of Large Power Transformers and Reactors	Anderson G. W. (402) 680-1111 gwanderson@ieee.org		11/18/2004 12/31/2012	New Project PAR approved by NesCom in 11/18/2004 Dec'10: NESCOM approved 1 yr extension 1st Ballot closed 23-Oct'11; Ballot completed and on Agenda for Dec 2012
PC57.153	Guide for Paralleling Power Transformers	Jauch E.T. (727) 866-0632 jauch@ieee.org		3/27/2008 12/31/2014	New Project PAR approved Mar 2008 PAR Extension granted May 2012, until Dec2014
PC57.156	Guide to Tank Rupture Mitigation	Zhao P. (417) 345-5926 peter.zhao@HydroOne.com		6/16/2011 12/31/2015	New Project
PC57.157	Guide for Conducting Functional Life Tests for De-energized Tap-changer Contacts	Hopkinson P. J. (704) 846-3290 phopkinson@ieee.org		12/7/1011 12/31/2015	New Project PAR for New standard approved Dec'11
PC57.17	Standard Requirements for Arc Furnace Transformers	Ganser R. (330) 492-8433 rganser@aol.com		3/22/2007 12/31/2012	NEW PAR for revision PAR for revision of old ANSI Std. requested. MEC Completed /Ready for ballot /Waiting for Copyright Release NESCOM extended PAR till Dec 2012 Ballot completed and on Agenda for Dec 2012
C57.116	IEEE Guide for Transformers Directly Connected to Generators	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1989 12/31/2018		Approved Reaffirmation approved in Dec. 2005 2010 Reaffirmation Ballot Closed with many Negatives PAR for Revision submitted July 2011 - Std extended for life of the PAR

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
C57.117 PC57.125	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 12/31/2018	2/1/2011 12/31/2015	Active Previously IEEE 786-1986, original approval date 6/19/1986. Oct 2010 decision to merge with C57.125. This standard is still Active because of PAR for revision of C57.125. This will be withdrawn when Revision of C57.125 is approved.
C57.12.10 PC57.12.10 C	Standard Requirements for Liquid-Immersed Power Transformers	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1997 12/31/2020	8/30/2012	Approved standard Formally NEMA/ANSI document. PAR approved in August for Corrigenda Corrigenda ballot approved and on December Stds Bd Agenda
C57.125 PC57.125	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 12/31/2018	2/1/2011 12/31/2015	Approved Oct'10: decision to merge with C57.117. PAR for Revision submitted Oct 13 2010 Feb'11: NESCOM approved new PAR for merger of 117 and 125.
C57.131	IEEE Standard Requirements for Load Tap Changers	Henning W. R. (262) 547-0121 whenning@ieee.org	1995 12/31/2022		Approved Standard PAR Modified Dec 09 and extended to Dec 2010. Dec '10: Nescom & Revcom extend until Dec31 2011 1st Ballot closed May'11; 1st Recirc closed 21-Oct; Std was approved Mar 2012
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 12/31/2021		Approved Approved for IEEE/IEC Dual Logo Dec. 2005 - IEC 62032 Ed. 1
C57.140 PC57.140	Evaluation and Reconditioning of Liquid Immersed Power Transformers	James R.I. (504) 576-6246 r.james@ieee.org	2006 12/31/2018	3/31/2011 12/31/2105	Approved D18 approved by RevCom 11/16/2006 Mar '11: Nescom approved new PAR until Dec31 2015
C57.148 PC57.148	Standard for Control Cabinets for Power Transformers	Watson J.D. (561) 691-2206 joe_watson@ieee.org	2011 12/31/2018		New Standard Approved by Std Bd Sept 2011
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 12/31/2018	3/29/2012 12/31/2016	Approved Standard - with approved 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 Approved by RevCom 12/2007 PAR for Revision was approved March 2012

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee POWER TRANSFORMERS		(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
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 12/31/2018	6/7/2007 12/31/2012	Approved - Active - with errata dated 4/7/1999 Reaffirmation approved by SA Board 3/30/2006. New PAR for revision approved 6/7/2007. NESCOM approved Extension till Dec 2012 Ballot Launched Sept 20, 2012, PAR extension Request submitted 10/15/12
SubCommittee STANDARDS		(860) 722-5483			
Chair	Bartley W. H.	william_bartley@hsb.com			
C57.12.00 PC57.12.00	IEEE Standard for General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	Snyder S. L. (731) 288-4282 slnsnyder@ieee.org	2010 12/31/2020	6/16/2011 12/31/2015	Approved 2010 rev approved by SA Board in June, 2010. Published 9/10/2010. PAR for Continuous Revision approved June 2011
C57.12.70	IEEE Standard Terminal Markings and Connections for Distribution and Power Transformers	Shull S. (417) 625-6110 sshull@empiredistrict.com	2000 12/31/2021		Approved Published 3/16/2001. Reaff approved by RevCom 3/30/2006. New Revision approved by Std Board Dec 2011
C57.12.80	IEEE Standard Terminology for Power and Distribution Transformers	Chiu B. (626) 308-6086 bill.chiu@sce.com	2002 12/31/2020		Approved std Amendment PAR approved to add thermally upgraded definition Revision approved Sept 2010
C57.12.90 PC57.12.90	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	Antosz S. (412) 498-3916 santosz@comcast.net	2006 12/31/2020	6/16/2011 12/31/2015	Approved Published Oct 2010 PAR for Continuous Revision approved June 2011
C57.144	Guide for Metric Conversion of Transformer Standards	Balma P.M. (973) 430-8259 peter.balma@pseg.com	2004 12/31/2020		Approved Published 10/22/2004 Reaffirmed March 2010
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 12/31/2018	5/19/2008 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 mod approved 16-June-11 PAR extension request submitted, and on December 2012 agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Dat	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	UNDERGROUND TR & NW PROTECT	(847) 683-2145			
Chair	Niemann C. G.	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 12/31/2019		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 12/31/2019	11/9/2011 12/31/2015	Approved standard New PAR for Revision approved Nov '11
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	2011 12/31/2021	8/30/2012 12/31/2016	Approved Standard with approved PAR for Revision Approved - C57.12.40-2011
C57.12.44 PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	Wimmer W. G. (804) 771-4225 bill_wimmer@dom.com	2005 12/31/2018	6/17/2010 12/31/2014	Approved PC57.12.44/D2.1 approved by RevCom in December 2005. Published 6/07/2006 PAR for Revision approved June 2010
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.