

Standards Report

To: Members of IEEE Transformers Committee

From: William H. Bartley, Standards Coordinator

Date: October 30, 2011

Re: Transformer Standards Activity

Executive Summary

This report covers the Transformers Committee Standards activity for the seven-month period of April 1 2011 to Oct 26, 2011. The Transformer Committee is responsible for almost 100 standards, plus over 55 PARs (projects for new standards and revisions). In the last seven months, one new Standard, and three Revisions were approved by RevCom. In this same period, NesCom approved two PARs for new standards, four PARs for Revisions, four PAR modifications, but no PAR extensions.

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I. REVCOM \ Standards Activities

NEW Transformer Standards Approved until 2016

Standard	Title	Chair	Date Approved
C57.148	Standard for Control Cabinets for Power Transformers	Watson	9/10/2011

Revisions Approved until 2016

C57.12.20	Overhead Type Dist Transformers, <500 kVA,	Traut	6/16/2011
C57.135	Guide for the Application, etc Phase Shifting Transformers	Sim	6/16/2011
C57.16	Std Req's, Terminology, & Test Code for Dry Air Reactors	Dudley	10/30/2011

Reaffirmations Approved

none

II. NESCOM / PAR Activities

PARs for New Standards approved (since April 1st)

PC57.19.04 Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings with Rated Continuous Current in Excess of 5000 A in Bus Enclosures - June 2011/ Hurley / *expiring Dec 31, 2015*

PC57.156 Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors - June 2011 / Zhao / *expiring Dec 31, 2015*

PARs for Revisions approved (since April 1st)

PC57.12.00 Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers - June 2011 / Snyder / *expiring Dec 31, 2015*

PC57.12.90 Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers - June 2011 / Antosz / *expiring Dec 31, 2015*

PC57.139 Guide for Dissolved Gas Analysis in Transformer Load Tap Changers - June 2011 / Wallach / *expiring Dec 31, 2015*

PC57.116 Guide for Transformers Directly Connected to Generators - September 2011 / Hoffman / *expiring Dec 31, 2015*

PAR Modifications approved (since April 1st)

PC57.149 Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers – Sweetzer/*expires Dec 2012*

PC57.152 Guide for Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators, and Reactors – Verner /*expires Dec 2012*

PC57.91 Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators - Duckett / *(This standard was submitted to REVCOM in October 2011.)*

PC57.150 Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or Larger - Anderson/ *expires Dec 2011-a PAR extension request has been submitted-ballot is in resolution*

III. 2012 IEEE Standards Board Meeting Schedule

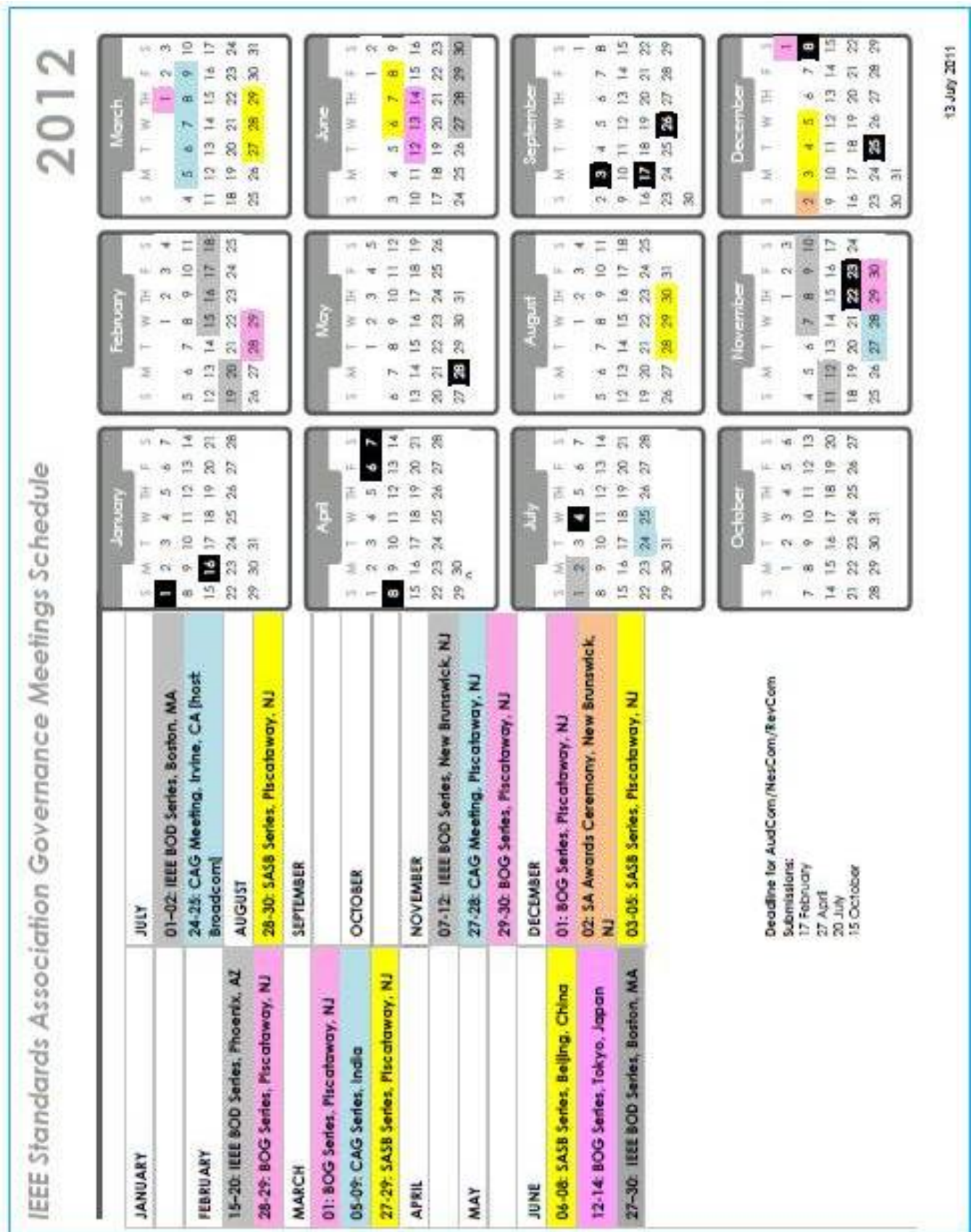
2012 DEADLINES for NesCom and RevCom Submissions:

March Meeting	February 17, 2012
June Meeting	April 27, 2012
September Meeting	July 20, 2012
December Meeting	October 15, 2012

**If you want anything considered by the Standards Board at their
December meeting, you must submit it to NESCOM or REVCOM by**

October 15, 2012

III. 2012 Standards Board Meeting Schedule



IV. Transformer Committee Ballot Status

(as of Oct 23, 2011)

SubCom	Number	Title	Status	Ballot Closing
InsLife	1276	Guide for the Application of High Temp Insulation Materials in L P Transformers	PreBallot	
PwrTrans	C57.17	Std Requirements for Arc Furnace Transformers	PreBallot	
PwrTrans	C57.150	Transportation Guide for Transformers & Reactors >10MVA	Ballot	23-Oct-2011
DryType	C57.12.59	Guide for Dry-Type Transformer Through-Fault Current Duration (Reaff Ballot)	Comment Resolution	22-Oct-2011
DryType	C57.134	Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers (Reaff Ballot)	Comment Resolution	22-Oct-2011
PwrTrans	C57.131	Std Requirements for Tap Changers	Comment Resolution 2	21-Oct-2011
Bushing	C57.19.100	Guide for Application of Power Apparatus Bushings	Comment Resolution	9-Oct-2011
Bushing	65700-19-03	Requirements, Terminology, & Test Code for Bushings DC Applications	Comment Resolution	30-Sep-2011
Dry Type	C57.12.52	Std for Sealed Dry-Type > 501 kVA 3ph,	Comment Resolution	18-Sep-2011
PerfCharac	C57.149	Frequency Response Analysis for Oil Immersed transformers	Comment Resolution	10-Sep-2011
DryType	C57.94	Installation, Application, Op & Maint of Dry-Type General Purpose Distribution & Power Transformers (Reaff Ballot)	Comment Resolution	23-Jul-2011
PwrTrans	C57.143	Guide for Application for Monitoring Equipment to L-I Transformers & Components	Comment Resolution	4-Jan-2011

The following standards have completed their ballots, and are on Standards Bd December Agenda

C57.12.40	Requirements for Sec Network Transformers, Subway & Vault Types <2500 kVA
C57.12.70	Standard Terminal Markings & Connections for Dist & Pwr Transf
C57.12.91	Standard Test Code for Dry type Transformers
C57.91	Guide for Loading L.I. Transformers and Voltage Regulators
C57.98	Guide for Transformer Impulse Tests
C57.100	Standard Test Proc for Thermal Evaluation of Insulation Systems
1538 (R2005)	Guide for Determination of Max Winding Temp Rise in Liquid-Filled Transformers

NOTE : the above have been submitted to Standards Board /REVCOM but are NOT approved yet.

V. Transformer Committee - Active PARsas of Oct 24, 2011

Standard	Name	PAR Approval date	EXPIRES	Comments
P638	Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations	7-Jun-2007	31-Dec-2011	PAR Extension Requested
P65700-19-03	Standard for Bushings for DC application	5-Dec-2007	31-Dec-2011	PAR Extension Requested
PC57.12.00	Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers	16-Jun-2011	31-Dec-2015	
PC57.12.01	Standard for General Requirements for Dry-Type Distribution and Power Transformers	9-Dec-2009	31-Dec-2013	
PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	30-Sep-2010	31-Dec-2014	
PC57.12.29	Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments	30-Sep-2010	31-Dec-2014	
PC57.12.34	Standard for Requirements for Pad-Mounted, Compartmental Type, Self Cooled, 3 Φ Distribution Transformers, <10 MVA	31-Mar-2011	31-Dec-2015	
PC57.12.35	Standard for Bar Coding for Distribution Transformers and Step-Voltage Regulators	17-Jun-2010	31-Dec-2014	
PC57.12.37a	IEEE Standard for the Electronic Reporting of Distribution Transformer Test Data - Amendment: Updating to Include Efficiency Fields	19-Mar-2009		New PAR for Revision of C57.12.37 submitted by J.Crotty
PC57.12.38	Standard for Pad-Mounted, Self-Cooled, Single-Phase Distribution Transformers; < 250 kVA	25-Mar-2010	31-Dec-2014	
PC57.12.40	Standard for Network, 3- Φ Transformers, <2500 kVA Subway and Vault Types (Liquid Immersed)	22-Mar-2007		Submitted to REVCOM !!
PC57.12.44	Standard Requirements for Secondary Network Protectors	17-Jun-2010	31-Dec-2014	
PC57.12.52	Standard for Sealed Dry-Type Power Transformers, > 501 kVA, Three-Phase, - General Requirements	7-May-2007	31-Dec-2011	PAR Extension Requested
PC57.12.70	Standard Terminal Markings and Connections for Distribution and Power Transformers	7-May-2007		Submitted to REVCOM !!
PC57.12.90	Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	16-Jun-2011	31-Dec-2015	
PC57.12.91	Standard Test Code for Dry-Type Distribution and Power Transformers	8-Dec-2010		Submitted to REVCOM !!
PC57.13	Standard Requirements for Instrument Transformers	25-Mar-2010	31-Dec-2014	
PC57.13-2008 /Cor 1	Standard Requirements for Instrument Transformers - Corrigendum 1: Figure 3 Correction	30-Sep-2010	31-Dec-2014	
PC57.13.7	Standard for Current Transformers with a Maximum mA Secondary Current of 250mA	30-Sep-2010	31-Dec-2014	
PC57.16	Standard Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors	8-Nov-2010		Submitted to REVCOM !!

Standard	Name	PAR Approval date	EXPIRES	Comments
PC57.17	Standard Requirements for Arc Furnace Transformers	7-May-2007	31-Dec-2011	PAR Extension Requested /Ballot is ready
PC57.19.01	Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	8-Dec-2010	31-Dec-2014	
PC57.19.04	Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings with Rated Continuous Current in Excess of 5000 A in Bus Enclosures	16-Jun-2011	31-Dec-2015	
PC57.19.100	Guide for Application of Power Apparatus Bushings	30-Mar-2006	31-Dec-2011	PAR Extension Requested
PC57.32	Standard Requirements, Terminology and Test Procedures for Neutral Grounding Devices	9-Dec-2009		PAR withdrawn & New PAR submitted
PC57.91	Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators	10-Sep-2011		Submitted to REVCOM !!
PC57.96	Guide for Loading Dry-Type Distribution and Power Transformers	9-Dec-2009	31-Dec-2013	
PC57.98	Guide for Transformer Impulse Tests	8-Dec-2010		Submitted to REVCOM !!
PC57.100	Standard Test Procedure for Thermal Evaluation of Insulation Systems for L-I Distribution and Power Transformers	17-Jun-2010		Submitted to REVCOM !!
PC57.104	Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers	5-Feb-2010	31-Dec-2014	
PC57.116	Guide for Transformers Directly Connected to Generators	10-Sep-2011	31-Dec-2015	
PC57.120	Guide for Loss Evaluation of Distribution and Power Transformers and Reactors	25-Mar-2010	31-Dec-2014	
PC57.125	Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors	2-Feb-2011	31-Dec-2015	
PC57.130	Trial-Use Guide for the Use of DGA in Factory Temp Rise Tests for the Eval of Oil-Immersed Transformers & Reactors	17-Jun-2010	31-Dec-2014	
PC57.131	Standard Requirements for Tap Changers	9-Dec-2009	31-Dec-2011	PAR Extension Requested
PC57.136	Guide for Sound Level Abatement and Determination for L-I Power Transformers & Shunt Reactors >500 kVA	30-Sep-2010	31-Dec-2014	
PC57.138	Recommended Practice for Routine Impulse Test for Distribution Transformers	2-Feb-2011	31-Dec-2015	
PC57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	16-Jun-2011	31-Dec-2015	
PC57.140	Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers	31-Mar-2011	31-Dec-2015	
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	21-Mar-2002	31-Dec-2012	
PC57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	24-Jun-2004	31-Dec-2012	
PC57.150	Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or larger	18-Nov-2004	31-Dec-2011	PAR Extension Requested

PC57.152	Guide for Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators, and Reactors	19-May-2008	31-Dec-2012	
PC57.153	Guide for Paralleling Power Transformers	27-Mar-2008	31-Dec-2012	
PC57.154	Standard for the Design, Testing etc of Distribution, Power Transformers Using High-Temp Insulation	19-Mar-2009	31-Dec-2013	PAR mod request on Oct 28 agenda
PC57.155	Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester Immersed Transformers	25-Mar-2010	31-Dec-2014	
PC57.156	Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors	16-Jun-2011	31-Dec-2015	
PC57.637	Guide for Reclamation of Insulating Oil & Criteria for Its Use	10-Dec-2008	31-Dec-2012	
NEW PAR Requests				
On Oct 28 2011 NESCOM agenda				
PC57.94	Installation and Operation Guide for Dry-Type General Purpose Dist and Power Transformers	Revision PAR Request		David Stankes
PC57.12.24	Standard for Submersible, Three-Phase Transformers, <3750 kVA	Revision PAR Request		Giuseppe Termini
PC57.106	Guide for Acceptance and Maintenance of Insulating Oil in Equipment	Revision PAR Request		William Bartley on behalf of Sue McNelly
On Dec 2011 NESCOM agenda				
PC57.12.36	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Revision PAR Request		Jerry Murphy
PC57.157	Guide for Conducting Functional Life Tests for De-energized Tap-changer Contacts	New PAR Request		Philip Hopkinson
P1276	Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers	Revision PAR Request		Michael Franchek
PC57.134	Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers	Revision PAR Request		Paulette Payne Powell
PC57.12.16	Standard Requirements for Wind Turbine Generator Transformers	New PAR Request		William Bartley on behalf of David Buckmaster
PC57.12.59	Guide for Dry-Type Transformer Through-Fault Current Duration	Revision PAR Request		Paulette Payne Powell

VI. Recent Standards Activity

(as of Oct 26, 2010)

In the last Sixty days, some of the Transformer WG Chairs have been very busy submitting PAR Requests to NESCOM, launching Ballots and submitting standards to REVCOM. On the following pages is a list of those recent Transformer Standards activities. Note that these PAR requests and/or Standards have been submitted, but are not yet approved by the Standards Board

PARS - The following PARs were going to EXPIRE on Dec 31, 2011:

Project	Title	Status
P638	Qualification of Class 1E Transformers for Nuclear Power Gen Sta	Swinderman submitted PAR Ext request and will start ballot
P65700-19-03	Standard for Bushings for DC application	Ballot closed 9/30/2011 3 Negs 70+ Comments (Les Reckseidler) PAR Ext Req submitted 10/6
PC57.12.40	Requirements for Sec Network Transformers, Subway & Vault Types <2500 kVA	Recirc Ballot closed 10/10/11 – Brian Kaplonski Submitted to REVCOM
PC57.12.52	Standard for Sealed Dry-Type Pwr Transformers,	Ballot closed 18-Sept-11 with 3 Negatives– Sheldon Kennedy submitted PAR extension
PC57.12.70	Standard Terminal Markings & Connections for Dist & Pwr Transf	Recirc-1 closed 13-Sept ; Recirc-2 closed 20-Oct -11 Steve Shull Submitted to REVCOM
PC57.12.91	Standard Test Code for Dry type Transformers	Ballot closed Nov 2010 D.Foster Submitted to REVCOM
PC57.16	Std Req's, Terminology, & Test Code for Dry Air Reactors	Ballot closed - Submitted to REVCOM by Richard Dudley
PC57.17	Standard Requirements for Arc Furnace Transformers	Ballot Invite closed 15-Sept-11. Ganser had to wait for copyright release before launching Ballot PAR ext request submitted
PC57.19.100	Guide for Application of Power Apparatus Bushings	Ballot closed 9-Oct -11 – several negatives PAR Ext Req submitted by T.Spitzer
PC57.32	Req's, Terminology, & Test Proc for Neutral Grounding Devices	PAR withdrawn. Antosz to appoint new WG Chair. New PAR submitted 7-Oct-11
PC57.91	Guide for Loading L.I. Transformers and Voltage Regulators	Recirculation Ballot closed 22-Sept -11 D. Duckett - Submitted to REVCOM
PC57.98	Guide for Transformer Impulse Tests	1 st Ballot closed 11/6/10; Recirc ballot closed 23-Oct -11 A. Molden Submitted to REVCOM
PC57.100	Std Test Proc for Thermal Evaluation of Insulation Systems	1 st Recirculation Ballot closed 27-Sept Recirc ballot #2 closed 20-Oct-11. R.Wickes Submitted to REVCOM
PC57.131	Standard Requirements for Tap Changers	1 st Ballot closed 8-May-11 1 st Recirc closed 21-Oct, 2 negatives /B.Henning may have to Recirc again. PAR Ext request submitted
PC57.150	Guide for the Transportation of Transformers and Reactors	PAR Mod approved; Ballot closed 10/23; PAR Ext Req submitted by G.Anderson

NOTE : the above have been submitted to NESCOM or REVCOM but are NOT yet approved.

The following standards were going to EXPIRE on Dec 31, 2011.

Here is the latest status:

Number	Title	Status (and comments)
32	Req's, Terminology, & Test Proc for Neutral Grnding Devices	PAR withdrawn. Antosz to appoint new WG Chair. New PAR submitted 7-Oct-11
638	Qualification of Class 1E Transformers for Nuclear Power Gen Stations	Swinderman submitted PAR Ext request and will start ballot
1276	Guide for the Application of High Temp Insulation Materials in L.I. P Trfmers	PAR for REVISION submitted 7-Oct M. Franchek
1538	Guide for Determination of Max Winding Temp Rise in L.F. Trfmers	Reaff Ballot closed Oct 19 Submitted to REVCOM..
C57.12.37	Std for the Electronic Reporting of Distribution Transformer Test Data	PAR for REVISION submitted 9/23 J. Crotty
C57.12.40	Req'ts for Sec Network Transformers Subway & Vault Types	Recirc closed 10-Oct Brian Kaplonski submitted to REVCOM
C57.12.59	Guide for Dry Type Transformer Through Fault Current Duration	PAR for REVISION submitted 9/23 P.Payne
C57.12.91	Std Test Code for Dry Distribution and Power Transformers	10/3 - Submitted to REVCOM !!! D.Foster
C57.16	Std Requirements, Term & Test Code for Dry Air Core Reactors	Submitted to REVCOM by R. Dudley
C57.19.03	Req's, Terminology, & Test Code for Bushings DC Applications	<i>Ballot for P65700-19-03 closes 9/30/11</i> Les Reckseidler PAR Ext Req submitted 6-Oct
C57.19.100	Guide for Application of Power Apparatus Bushings	Ballot closed 10/9/2011 PAR Ext req submitted 9/26 by T.Spitzer
C57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers	Recirculation ballot closed 9/22/11. D. Duckett -Submitted to REVCOM
C57.94	Rec Prac for Installation, App, O& M of Dry-Type General Purpose Dist & Pwr Transf	PAR for Revision submitted 9/9/11 by D.Stankes
C57.98	IEEE Guide for Transformer Impulse Tests	Recirc ballot closed 23-Oct -11 A. Molden submitted to REVCOM
C57.100	Std Test Procedure for Thermal Eval of L-I Dist and Power Transformers	1 st Recirculation Ballot closed 27-Sept 2 nd Recirc ballot closed 20-Oct-11. R.Wickes submitted to REVCOM
C57.106	Guide for Acceptance and Maintenance of Insulating Oil in Equipment	PAR for Revision submitted 9/9/11
C57.116	IEEE Guide for Transformers Directly Connected to Generators	PAR for Revision approved by Stds Bd 9/10/11
C57.131	IEEE Standard Requirements for Load Tap Changers	1 st Recirc closed 8-May-11 2 nd Recirc closed 21-Oct, 2 negatives /B.Henning will Recirc again. PAR Ext request submitted
C57.134	Guide for Determination of Hottest-Spot Temp in Dry-Type Transformers	PAR for REVISION submitted 9/23 P.Payne

NOTE : the above Standards have been submitted to REVCOM or NESCOM but are NOT approved yet. Next Standards Board meeting is December 7, 2011.

All the WG Chairs should be congratulated for the persistence and perseverance!- WHTB

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

revised Oct 30, 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee Chair					
NONE					
SubCommittee Chair	BUSHING	(417) 345-5926 peter.zhao@HydroOne.com			
	Zhao P.				
PC57.19.04	Standard Performance Characteristics and Dimensions for High Current Power Transformer Bushings	Hurley 614-716-1891 cahurley@aep.com		06/16/2011 12/31/2015	Approved PAR
C57.19.00	Standard General Requirements and Test Procedure for Power Apparatus Bushings	Ellis K. P. (615) 847-2157 keithcota@aol.com	2004 12/31/2015		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 12/31/2014	12/08/2010 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	12/31/2007	03/25/2007 12/31/2011	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 12/31/2011	03/30/2006 12/31/2011	Approved - Active PAR for Revision Revision for C57.19.101-1992 New PAR requested and approved to 12/31/2010. PAR ext on Dec'10 Agenda Dec '10: Nescom and Revcom extended until December 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	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 12/31/2015		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 12/31/2012		Approved
C57.138 PC57.138	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	Crotty 573 659 6265 john.w.crotty@us.abb.com	1998 12/31/2015	02/02/2010 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 PC57.98	IEEE Guide for Transformer Impulse Tests	Molden A. (845) 225-0993 a.molden@ieee.org	1994 12/31/2011	09/12/2002 12/31/2011	Approved - Active PAR for Revision 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 Date	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		06/25/1998 12/31/2004	PAR Withdrawn - Inactive WG Decision made at Las Vegas Meeting to discontinue this activity.
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 12/31/2016	09/15/2006 12/31/2011	Approved -
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	09/30/2010 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 12/31/2010	09/30/2010 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	12/31/2015		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 12/31/2015		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 12/31/2013		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	12/31/2014	03/31/2011 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 12/31/2012	06/17/2010 12/31/2014	Approved Formally P1265. PAR for Revision approved June 2010
C57.12.36	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Murphy J.R. (407) 824-4194 jerry.murphy@ieee.org	2007 12/31/2012		Approved approved by SA Board on 9/27/2007 PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat 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 New PAR for Revision submitted Sept'11 - on NESCOM Oct agenda
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 12/31/2014	03/24/2010 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 PC57.15	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	Colopy C. A. (262) 896-2342 ccolopy@cooperpower.com	1999 12/31/2014	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 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 12/31/2010	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
C57.12.51	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	12/31/2013		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 12/31/2011	05/07/2007 12/31/2011	Active PAR for revision Previously ANSI C57.12.52-1981 PAR Expires Dec 2011 1st Ballot Sept '11. PAR Ext submitted to NESCOM - on Dec'11 agenda
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 12/31/2013		Approved - Active Reaffirmed Sept 2008
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. PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda
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 12/31/2014		Approved IEEE Std C57.12.56-1986 and IEEE Std C57.12.60-1998 merged together in 2009
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 12/31/2011	12/05/2006 12/31/2011	Approved - Active PAR for Revision New PAR for Revision approved 12/5/2006 PAR Mod and Extension approved for 1 year till Dec 2011 Submitted to REVCOM Oct'11 - on Dec-11 Agenda
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 12/31/2014		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 PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	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 12/31/2016	11/02/2006 12/31/2011	Approved
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 12/31/2011		Approved Reaffirmation approved by the SA Board on 12/6/2006 REVISION PAR submitted; on Oct'11 Nescom agenda
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	Stankes S (603) 545-3026	1999 12/31/2015		Approved 9/22/04 - RevCom approved reaffirmation Reaffirmed March 2010
SubCommittee	HVDC CON TX & SMRs	(416) 298-8108			
Chair	Dudley R. F.	richardd@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 12/31/2012		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 12/31/2015		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 Date	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		09/30/2010 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 12/31/2013	03/24/2010 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 12/31/2015		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 12/31/2014	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	Smith J. E. (601) 346-9104 jes1@ieee.org	12/31/2015		Approved Document published in 12/9/2005 Reaffirmed 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email		Pub Year Rev Due Date	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.		06/16/2010 12/31/2014	New Project - Std under development 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.		03/24/2010 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.	1991 12/31/2013	01/09/2010 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	IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment	McNelly	S.J.	2006 12/31/2011		Approved D6 approved 12/6/2006 Previously version in 2002, 1991 (R1998), 1977 PAR for Revision submitted Sept 2011 - on Oct'11 agenda
C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	Gryszkiewicz	F. J.	1983 12/31/2014		Approved
C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	Sundin		1998 12/31/2014		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.	2010 12/31/2015	06/16/2011 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.	2005 12/31/2016		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	Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers	McShane	C. P.	12/31/2013		Active 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.	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 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
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 12/31/2011	12/08/2004 12/31/2011	Approved - Active PAR for Revision Requested PAR for revision on 10/18/2004. PAR approved 12/8/2004 PAR Mod approved Mar 2010; 1st Ballot -2010 1st Recirc closed Sept 2011; 2nd Recirc closed 20-Oct'2011 Submitted to REVCOM and on Dec-11 Agenda
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 12/31/2013		Approved Previously IEEE 838. Published 3/12/2002. Reaffirmed Mar 2008
C57.91 PC57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers	Duckett D. A. (407) 942-9401 don.duckett@pgnmail.com	1995 12/31/2011	12/09/2009 12/31/2011	Approved - Active PAR for revision Combined from C57.91-1981 & C57.92-1981 & C57.115-1991 New PAR for revision approved 5/2/2005. PAR Extension Request granted until 12/31/2010 PAR Mod approved Sept 2010 Nescom granted another ext until December 2011 Recirc completed Sept'11; submitted to REVCOM, and on Dec-11 Agenda
C57.91-1995/	IEEE Guide for Loading Mineral-Oil-Immersed Transformers--Corrigendum 1	Duckett D. A. (407) 942-9401 don.duckett@pgnmail.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 PAR for Revision submitted Oct'11 and on NESCOM Dec'11 Agenda
IEEE 1538	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer		2000 12/31/2011		Approved Original approval in 2000. Reaffirmed in 2005. Reaffirmation Ballot Invitation opened Oct 2010 - extended 1 yr, until Dec'11; Reaff Ballot closed 19-Oct; Submitted to Revcom -on Dec'11 Agenda

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(412) 498-3916			
Chair	Antosz S.	santosz@comcast.net			
PC57.12.16	Standard Requirements for Wind Turbine Generator Transformers	Buckmaster D.E. 980-321-8381 david.buckmaster@shawgrp.com			unapproved PAR PAR for new Standard submitted Sept 23 '11 on NESCOM Dec-11 Agenda
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	PAR Withdrawn New PAR for revision approved on 2/22/05.
PC57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	Sweetser C.L. (781) 672-6214 <charles.sweetser@omicronusa.com>		06/24/2004 12/31/2012	New Project - Active PAR 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 1st ballot closed 10-Sept '11
PC57.157	Guide for Conducting Functional Life Tests for De-energized Tap-changer Contacts	Hopkinson P. J. (704) 846-3290 phopkinson@ieee.org			unapproved PAR PAR for New standard submitted Oct'11 and on NESCOM Dec'11 Agenda
C57.105	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems	Reitter G. J. (650) 508-2850 greitter@deltastar.com	1978 12/31/2013		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 12/31/2013		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 12/31/2013	11/18/2004 12/31/2008	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 12/31/2011	03/24/2010 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 PC57.123	IEEE Guide for Transformer Loss Measurement	TenNenhuys E.G. (519) 837-4691 ed.g.tenynhuis@ca.abb.com	2002 12/31/2015	02/20/2007 12/31/2011	Approved std Ref Std. IEEE 1098 Revision approved June 2010

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	PERFORMANCE CHARACTERISTICS	(412) 498-3916			
Chair	Antosz S.	santosz@comcast.net			
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 12/31/2010	09/30/2010 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 12/31/2015	05/07/2007 12/31/2011	Approved PC57.142 was approved as a new standard by the IEEE-SA 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 12/31/2008		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 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 12/31/2013	09/11/2003 12/31/2007	Approved - Active PAR for Revision 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	Antosz S. (412) 498-3916 santosz@comcast.net	1972 12/31/2009	12/11/2002 12/31/2011	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, now on NESCOM Dec'11 Agenda

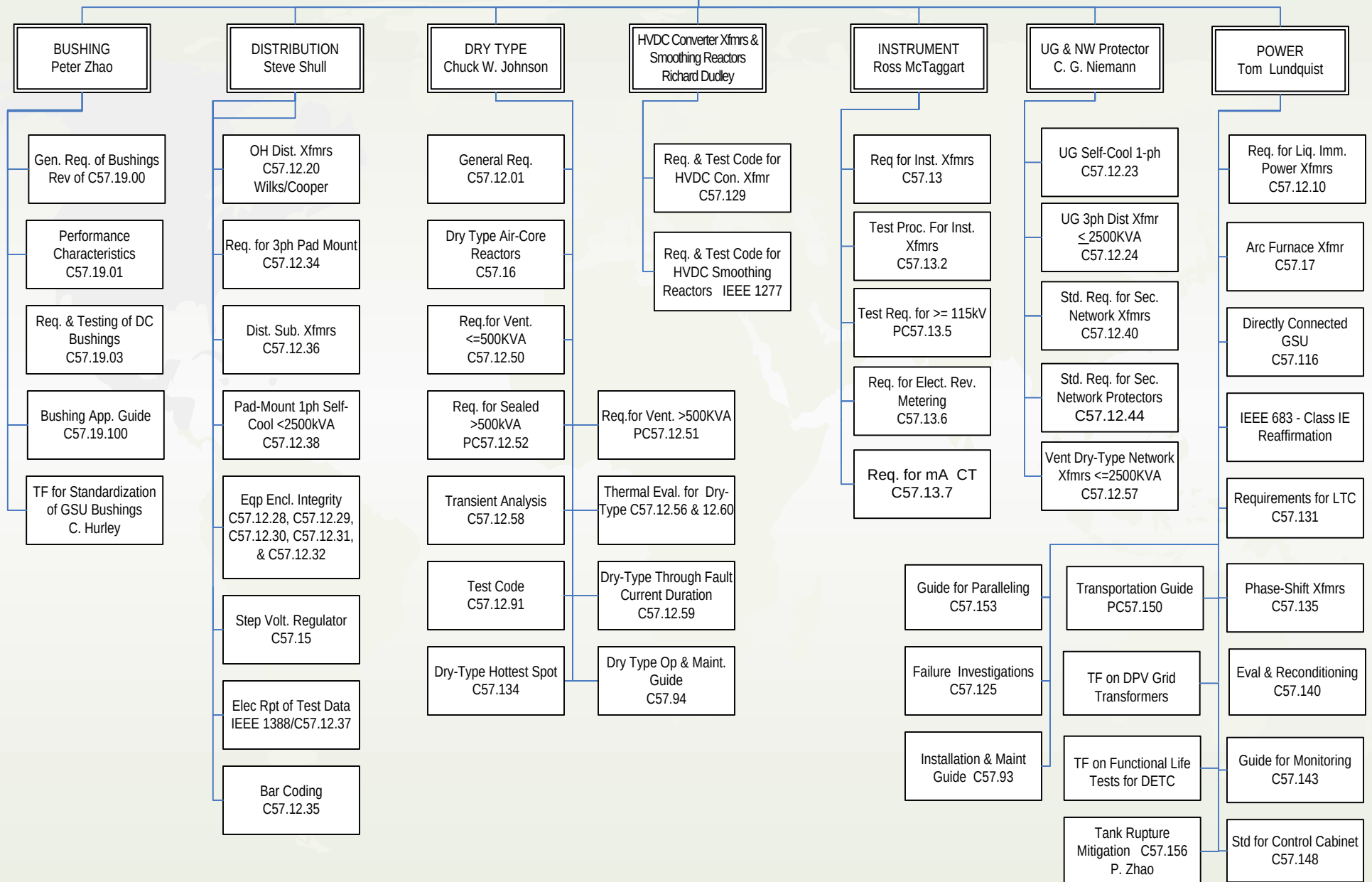
STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Chu D. (212) 460-3456 chud@coned.com		03/21/2002 12/31/2012	New Project - Active PAR Std under developemnt 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
PC57.150	Guide for the Transportation of Large Power Transformers and Reactors	Anderson G. W. (402) 680-1111 gwanderson@ieee.org		11/18/2004 12/31/2011	New Project - PAR approved in Nov. 2004 PAR approved by NesCom in 11/18/2004 PAR Extension on Dec'10 agenda Dec'10: NESCOM approved 1 yr extension 1st Ballot closed 23-Oct'11; Another PAR extension on Dec'11 agenda
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
PC57.156	Guide to Tank Rupture Mitigation	Zhao P. (417) 345-5926 peter.zhao@HydroOne.com		06/16/2011 12/31/2015	Approved PAR
PC57.17	Standard Requirements for Arc Furnace Transformers	Ganser R. (330) 492-8433 rganser@aol.com		03/22/2007 12/31/2011	NEW PAR for revision of PAR for revision of old ANSI Std. requested. MEC Completed /Ready for ballot /Waiting for Copyright Release
C57.116	IEEE Guide for Transformers Directly Connected to Generators	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1989 12/31/2015		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	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 Oct 2010 decision to merge with C57.125
C57.12.10	Standard Requirements for Liquid-Immersed Power Transformers	Hoffman G. (973) 621-6600 grhoffman@advpowertech.com	1997 12/31/2015		Approved standard Formally NEMA/ANSI document.
C57.125 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 12/31/2015	02/01/2011 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.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Dat PAR Expiration	Standard Status Remark
SubCommittee	POWER TRANSFORMERS	(602) 236-8617			
Chair	Lundquist T.	tom.lundquist@ieee.org			
C57.131 PC57.131	IEEE Standard Requirements for Load Tap Changers	Henning W. R. (262) 547-0121 whenning@ieee.org	1995 12/31/2011	05/15/2003 12/31/2011	Approved - Active PAR for Revision 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; Must Recirc again.
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 12/31/2016	02/20/2007 12/31/2011	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 12/31/2011	03/31/2011 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 12/31/2016	02/27/2004 12/31/2011	New Standard
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 12/31/2012	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 Approved by RevCom 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.

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	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 slnsnyder@ieee.org	2010 12/31/2015	06/16/2011 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 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 1st Recirc closed 13-Sept; 2nd Recirc closed 20-Oct Submitted to REVCOM; on Dec'11 Agenda
C57.12.80	IEEE Standard Terminology for Power and Distribution Transformers	Chiu B. (626) 308-6086 bill.chiu@sce.com	2002 12/31/2015		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 12/31/2015	06/16/2011 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 12/31/2015		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 12/31/2010	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 mod approved 16-June-11

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	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 12/31/2014		Approved Published 4/20/2009
C57.12.24	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 12/31/2014		Approved standard New working group formed to address revision.
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. Balloted in April'11. Recirc Ballot Oct'11 - Submitted to REVCOM, and on Dec'11 Agenda
C57.12.44 PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	Wimmer W. G. (804) 771-4225 bill_wimmer@dom.com	2005 12/31/2010	06/17/2010 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 Voltas 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 - Activity Organization Chart
 Chair: J. Ed Smith
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 Std. Coordinator: Bill Bartley



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