



IEEE / PES / TRANSFORMERS COMMITTEE

Standards Report

To: Members of IEEE Transformers Committee

From: William H. Bartley, Standards Coordinator
Member of IEEE SA Standards Board

Date: April 10, 2011

Re: Transformer Standards Activity

Executive Summary

This report covers the Transformer Standards activity for the six-month period of Oct 1 2010 to April 1, 2011. The Transformer Committee is responsible for approximately 90 active standards, plus 43 projects for new standards and revisions.

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I. NESCOM \ PAR Activities

In December 2010, Standards Board approved the following PAR Modifications:

PC57.12.91 Standard Test Code for Dry-Type Distribution and Power Transformers
*modified PAR approved until **December 2011***

PC57.98 Guide for Transformer Impulse Tests
modified PAR approved until December 2010 (see extension below)

In December 2010, Standards Board approved the following PAR Extensions:

PC57.12.20 Standard for Overhead Type Distribution Transformers, ≤ 500 kVA
*Approved request for an extension until **December 2011***

PC57.16
Std Requirements, Terminology, & Test Code for Dry-Type Air-Core Series-Connected Reactors
*Approved request for an extension until **December 2011***

PC57.19.100
Guide for Application of Power Apparatus Bushings
*Approved request for an extension until **December 2011***

PC57.91
Guide for Loading Liquid Immersed Transformers and Voltage Regulators
*Approved request for an extension until **December 2011***

PC57.98
Guide for Transformer Impulse Tests
*Approved request for an extension until **December 2011***

PC57.100
Std Test Procedure for Thermal Evaluation of Insulation Systems for L-I Distribution and Power Transformers
*Approved request for an extension until **December 2011***

PAR Extensions continued

PC57.131

Standard Requirements for Tap Changers

*Approved request for an extension until **December 2011***

PC57.143

Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components

*Approved request for an extension until **December 2012***

PC57.149

Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers

*Approved request for an extension until **December 2012***

PC57.150

Guide for the Transportation of Transformers and Reactors Rated ≥ 10 MVA

*Approved request for an extension until **December 2011***

In December 2010, Standards Board approved the following PAR for a REVISION :

PC57.19.01 Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings *new PAR will expire **December 2014***

In February 2011, the Standards Board approved the following new PARs for Revisions

PC57.125

Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors

*new PAR will expire **December 2015***

PC57.138

Recommended Practice for Routine Impulse Test for Distribution Transformers

*new PAR will expire **December 2015***

In March 2011, the Standards Board approved the following new PARs for Revisions

PC57.12.34 Requirements for Pad-Mounted, Compartmental Type, Self Cooled, 3ph Dist Transformers, <10MVA *new PAR will expire **December 2015***

PC57.140 Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers *new PAR will expire **December 2015***

II. REVCOM \ Standards Activities

NEW Transformer Standards Approved

In December 2010, Standards Board approved the following new Standards :

C57.139 Guide for Dissolved Gas Analysis in Transformer Load Tap Changers

C57.142 Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformer, Switching Device, And System Interaction

*Their expiration date is **December 31, 2015**.*

Revisions Approved

none

Reaffirmations Approved

In December 2010, Standards Board approved the following Reaffirmation :

C57.19.00-2004 REAFFIRMATION Standard General Requirements and Test Procedures for Power Apparatus Bushings. *New expiration date is **December 31, 2015***

Other Standards Activity

The following Transformer standards were due to expire at the end of 2010. At our request, the IEEE-SA Standards Board granted the following extensions, at the Dec-2010 meeting:

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

Sponsor states that reaffirmation ballot has been initiated and requests a one-year extension. Recommendation: Extend until December 2011.

C57.12.20-2005 Std for Overhead Type Distribution Transformers, ≤ 500 kVA

Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2011)

C57.16-1996 (R2001) IEEE Standard Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors

Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (2011)

C57.19.01-2000 (R2005) IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings *Sponsor states that a revision PAR is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2014)*

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

Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2011)

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

[Also C57.91-1995/Cor 1-2002 (R2004)] *Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2011)*

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

Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2011)

C57.100-1999 IEEE Standard Test Procedure for Thermal Evaluation of Liquid-Immersed

Distribution and Power Transformers *Sponsor states that a PAR extension is on the December NesCom agenda. Recommendation: Extend for the duration of the PAR. (Dec 2011)*

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

Sponsor states that reaffirmation ballot has been initiated and requests a one-year extension. Recommendation: Extend until December 2011.

C57.117-1986 (R2005) IEEE Guide for Reporting Failure Data for Power Transformers and Shunt Reactors on Electric Utility Power Systems

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

Sponsor states that the WG has decided to merge C57.117 and C57.125 into one guide, with the number C57.125. The PAR has been submitted for the January 2011 NesCom agenda.

*Recommendation: Extend for the duration of the PAR- **Dec 2015.***

C57.131-1995 IEEE Standard Requirements for Load Tap Changers

Sponsor states that a PAR extension is on the December NesCom agenda.

Recommendation: Extend for the duration of the PAR. (Dec 2011)

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

*Sponsor states that a revision PAR has been submitted for the January 2011 NesCom agenda. Recommendation: Extend for the duration of the PAR - **Dec 2015**.*

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

*Sponsor states that reaffirmation ballot has been initiated and requests a one-year extension. Recommendation: Extend until **December 2011***

Note: This Ballot has closed with no negatives – it should be submitted to Revcom.

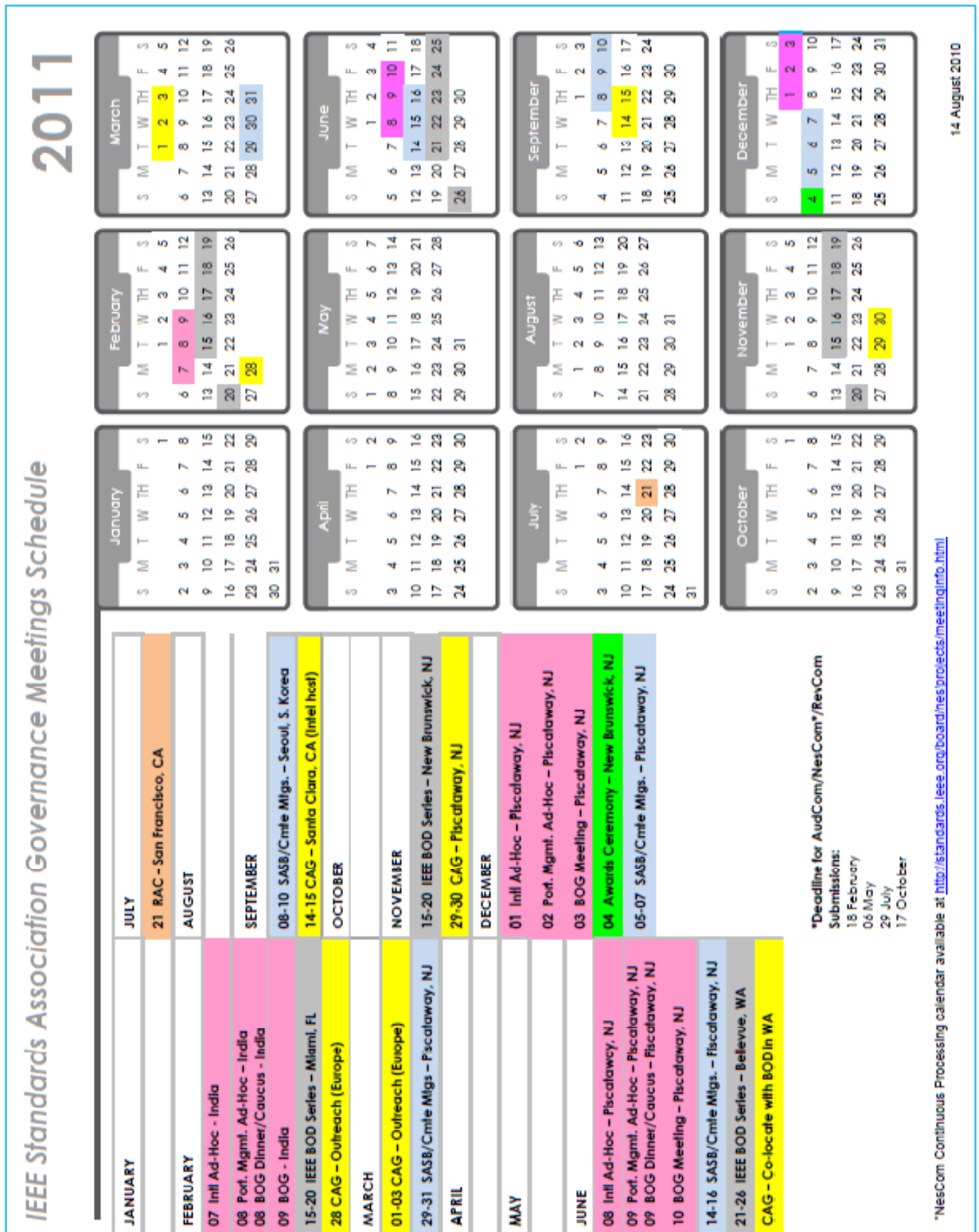
There were no standards submitted to Revcom for January Early Consideration, or March Standards meeting. Submission deadline for next Standards Bd Meeting: May 6 2011

III. 2011 IEEE Standards Board Meeting Schedule

DEADLINES for upcoming NESCOM and REVCOM Submissions:

June Meeting	May 6, 2011
September Meeting	July 29, 2011
December Meeting	October 17, 2011

III. 2011 IEEE Standards Board Meeting Schedule



VI. Transformers Committee Ballot Status					as of April 1, 2011
SubComm	PAR or Standard #	Title	Stage	# of Balloters	Ballot Close Date
Dielectric	PC57.98	Guide for Transformer Impulse Tests	Comment Resolution	140	11/06/2010
Distribution	PC57.12.20	Std for Overhead Transformers, 500 kVA and Smaller:	Comment Resolution 1	92	03/26/2011
Dry Type	PC57.12.91	Std Test Code for Dry-Type Distribution and Power Transformers	Comment Resolution	101	11/21/2010
Dry Type	PC57.16	Std Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Reactors	Comment Resolution	93	10/23/2010
Ins Fluids	PC57.130	Trial-Use Guide for Use of DGA Applied to Factory Temperature Rise Tests	Comment Resolution	116	07/26/2006 ?
Ins Fluids	C57.146-2005	DGA Guide for Silicone-Immersed Transformers	Comment Resolution	73	12/21/2010
Ins Life	1538-2000	Guide for Determination of Max Winding Temp Rise in L.F. Transformers	PreBallot	123	<i>never balloted</i> ?
Ins Life	PC57.100	Std Test Procedure for Thermal Evaluation of Insulation Systems for Liquid-Immersed	Comment Resolution	120	06/07/2010
Ins Life	PC57.91	Guide for Loading Liquid Immersed Transformers and Voltage Regulators	Comment Resolution	131	10/30/2010
Power Trans	C57.116-1989	Guide for Transformers Directly Connected to Generators	Comment Resolution	113	11/29/2010
Power Trans	C57.117-1986	Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors <i>(These two will be merged into one new doc.)</i>	Comment Resolution	104	12/20/2009
	C57.125-1991		Comment Resolution	118	12/20/2009
Power Trans	PC57.131	Std Requirements for Tap Changers	Comment Resolution	117	11/15/2009
Power Trans	PC57.135	Guide for the Application, Specification and Testing of Phase Shifting Transformers	Comment Resolution	78	02/16/2011
Power Trans	PC57.143	Guide for Monitoring Equipment to Liquid-Immersed Transformers and Components	Comment Resolution	143	01/04/2011
UG & NWP	PC57.12.40	Std for Network, 3ph Transformers, < 2500 kVA; Subway and Vault Types	Ballot	81	04/14/2011

V. Transformer Standards Expiring December 2011

Action is required for the following standards by the end of 2011. **NOTE:** The “end of 2011” is **October 17, 2011 ... not December!** The following are your options: a) Let it expire; b) Start a reaffirmation ballot; or c) Submit a PAR for a Revision; (*Any expiring standards will be automatically extended for the life of its PAR*).

32-1972 (R1997) Std Requirements, Terminology, and Test Procedures for Neutral Grounding Devices

638-1992 (R2006) Std for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

1276-1997 (R2006) Guide for the Application of High-Temp Insulation Materials in L-I Power Transformers

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

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

C57.12.37-2006 Standard for the Electronic Reporting of Distribution Transformer Test Data

C57.12.40-2006 Std for Requirements for Secondary Network Transformers, Subway and Vault Types

C57.12.59-2001 (R2006) Guide for Dry-Type Transformer Through-Fault Current Duration

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

C57.16 -1996 (R2001) Standard Requirements, Terminology, and Test Code for Dry-Type Reactors

C57.19.03-1996 (R2002) Standard Requirements, Terminology, and Test Code for Bushings for DC Applications [Also: **C57.19.03-1996/Cor 1-2005**]

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

C57.91-1995 (R2004) Guide for Loading Mineral-Oil-Immersed Transformers
[Also: C57.91-1995/Cor 1-2002 (R2004)]

C57.94-1982 (R2006) Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers

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

C57.100-1999 Standard Test Procedure for Thermal Evaluation of L-I Distribution and Power Transformers

C57.106-2006 Guide for Acceptance and Maintenance of Insulating Oil in Equipment

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

C57.120-1991 (R2006) Loss Evaluation Guide for Power Transformers and Reactors

C57.131-1995 Standard Requirements for Load Tap Changers

C57.134-2000 (R2006) Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers

C57.135-2001 Guide for the Application, Specification, and Testing of Phase-Shifting Transformers

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

Note to WG Chairs: many of the above standards already have ballots in progress. However, you **MUST** submit the Ballot to REVCOM by October 17th to prevent a withdrawal. If the ballot will not be ready, it is your responsibility to notify the Standards Coordinator, William Bartley prior to Oct 17th.

VI. Transformers Committee Active PARs			as of April 1, 2011
PAR Number	Title	Expiration	
P638	Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations	2011←	
P65700-19-03	Standard for Bushings for DC application	2011←	
PC57.12.01	Standard for General Requirements for Dry-Type Distribution and Power Transformers	2013	
PC57.12.20	Standard for Overhead Type Distribution Transformers, <500 kVA	2011←	
PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity	2014	
PC57.12.29	Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments	2014	
PC57.12.35	Standard for Bar Coding for Distribution Transformers and Step-Voltage Regulators	2014	
PC57.12.37a	IEEE Standard for the Electronic Reporting of Distribution Transformer Test Data - Amendment: Updating to Include Efficiency Fields	2013	
PC57.12.38	Standard for Pad-Mounted-Type, Self-Cooled, 1-Ph Dist Transformers; < 250 kVA	2014	
PC57.12.40	Standard for Network, 3-Phase Transformers, <2500 kVA; Subway and Vault Types	2011←	
PC57.12.44	Standard Requirements for Secondary Network Protectors	2014	
PC57.12.52	Standard for Sealed Dry-Type Power Transformers, 3 ph, >501 kVA - General Requirements	2011←	
PC57.12.70	Standard Terminal Markings and Connections for Distribution and Power Transformers	2011←	
PC57.12.91	Standard Test Code for Dry-Type Distribution and Power Transformers	2010	
PC57.13	Standard Requirements for Instrument Transformers	2014	
PC57.13-2008/Cor 1	Standard Requirements for Instrument Transformers - Corrigendum 1: Figure 3 Correction	2014	
PC57.13.7	Standard for Current Transformers with a Maximum mA Secondary Current of 250mA	2014	
PC57.16	Standard Requirements, Terminology, and Test Code for Dry-Type Air-Core Reactors	2011←	
PC57.17	Standard Requirements for Arc Furnace Transformers	2011←	
PC57.19.01	Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	2014	
PC57.19.100	Guide for Application of Power Apparatus Bushings	2011←	
PC57.32	Standard Requirements, Terminology and Test Procedures for Neutral Grounding Devices	2011←	
PC57.91	Guide for Loading Liquid Immersed Transformers and Voltage Regulators	2011←	
PC57.96	Guide for Loading Dry-Type Distribution and Power Transformers	2013	
PC57.98	Guide for Transformer Impulse Tests	2011←	
PC57.100	Standard Test Procedure for Thermal Evaluation of Insulation Systems	2011←	
PC57.104	Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers	2014	

PAR Number	Title	Expiration
PC57.120	Guide for Loss Evaluation of Distribution and Power Transformers and Reactors	2014
PC57.125	Guide for Failure Investigation, and Reporting for Power Transformers and Shunt Reactors	2015
PC57.130	Trial-Use Guide for the Use of DGA Applied to Factory Temperature Rise Tests	2014
PC57.131	Standard Requirements for Tap Changers	2011←
PC57.135	Guide for the Application, Specification and Testing of Phase Shifting Transformers	2011←
PC57.136	Guide for Sound Level Abatement and Determination	2014
PC57.138	Recommended Practice for Routine Impulse Test for Distribution Transformers	2015
PC57.143	Guide for Application for Monitoring Equipment to L-I Transformers & Components	2012
PC57.148	Standard for Control Cabinets for Power Transformers	2010
PC57.149	Guide for the Application and Interpretation of FRA for Oil Immersed Transformers	2012
PC57.150	Guide for the Transportation of Transformers and Reactors Rated 10,000 kVA or larger	2011←
PC57.152	Diagnostic Field Testing of Fluid Filled Power Transformers, Regulators, and Reactors	2012
PC57.153	Guide for Paralleling Power Transformers	2012
PC57.154	Standard for the Design, Testing and Application of Distribution, Power and Regulating Transformers Using High-Temperature Insulation Systems	2013
PC57.155	Guide for DGA in Natural Ester and Synthetic Ester Immersed Transformers	2014
PC57.637	Guide for the Reclamation of Insulating Oil and Criteria for Its Use	2012

“←” denotes PAR will Expire the end of 2011

Note to WG Chairs: many of the above PARs will expire Dec 31, 2011. If you will not be submitting a Ballot to REVCOM by October 17th , it is your responsibility to request a PAR Extension, by no later than October 17th.

Note #2: some of the above PARs have already been granted one or more Extensions. NesCom /Standards Board is very reluctant to grant another extension unless there are extenuating circumstances.

For assistance, contact your Standards Coordinator, William Bartley prior to October 17th.
(William_bartley@hsb.com)

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of PES/Transformers Committee

revised April 10, 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair					
NONE					
SubCommittee Chair	BUSHING <i>Zhao P.</i>	(417) 345-5926 peter.zhao@HydroOne.com			
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
C57.19.03-1996/ 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 Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DIELECTRIC TESTS <i>Wagenaar L. B.</i>	(614) 552-1759 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. PAR application in progress 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. Currently in Ballot /PAR mod and ext on Dec'10 Agenda Dec '10: PAR mod and extension approved by Nescom Revcom extended until December 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DISTRIBUTION TRANSFORMERS <i>Shull S.</i>	(417) 625-6110 sshull@empiredistrict.com			
PC57.12.33	Guide for Distribution Transformer Loss Evaluation	Pekarek T. J. (330) 761-7800 tpekarek@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	2005 12/31/2011	09/15/2006 12/31/2011	Approved - Active PAR for Revision New PAR requested and approved to 12/31/2010. PAR extension on Dec '10 NESCOM agenda Dec '10: Nescom and Revcom extended until December 2011
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	Rossetti J. R. (901) 528-4743 jrossetti@mlgw.org	2007 12/31/2012		Approved approved by SA Board on 9/27/2007

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DISTRIBUTION TRANSFORMERS <i>Shull S.</i>	(417) 625-6110 sshull@empiredistrict.com			
C57.12.37	IEEE Standard for the Electronic Reporting of Transformer Test Data	Hollingsworth R. (601) 422-1105 rhollin@howard-ind.com	2006 12/31/2011		Approved Formally C57.132, IEEE Std 1388-2000 D11d approved by SA Board on 3/30/2006. Published 7/21/2006
C57.12.38 PC57.12.38	Standard for Pad-Mounted, Compartmental-Type, Self-Cooled, Single-Phase Distribution Transformers with Separable Insulated High-Voltage Connectors; High Voltage, 34500 GrdY/19920 Volts and Below, Low Voltage, 240/120 Volts; 167 kVA and Smaller Requirements	Ghafourian A. A. (731) 285-9121 aghafourian@ermco-eci.com	2009 12/31/2014	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 Date PAR Expiration	Standard Status Remark
SubCommittee Chair	DRY TYPE TRANSFORMERS <i>Johnson, Jr. C. W.</i>	(276) 688-1512 charles.w.johnson@us.abb.com			
C57.12.01 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. P (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
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. P (202) 388-2335 papayne@ieee.org	2001 12/31/2011		Approved Reaffirmation approved in 12/5/2006.
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 Ballot Pool Invitation opened 9/ 12/2010 PAR Extension on Dec'10 agenda PAR Mod and Extension approved for 1 year till Dec 2011
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. P (202) 388-2335 papayne@ieee.org	2000 12/31/2011		Approved Reaffirmation approve by RevCom 3/30/2006

STANDARD PROJECT	TITLE	Working Group Chair Phone Email		Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee	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.	1996 12/31/2011	11/02/2006 12/31/2011	Approved PAR for revision approved 11/2/2006. PAR for Mod and Extension on Dec'10 agenda - Ballot in progress Dec '10: Nescom and Revcom extended until December 2011
		(416) 298-8108 richardd@ca.trenchgroup.com				
C57.94	IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers	Lewis	T. D.	1982 12/31/2011		Approved Reaffirmation approved by the SA Board on 12/6/2006
		(910) 738-4251 tlewis@acmepower.com				
C57.96 PC57.96	IEEE Guide for Loading Dry Type Distribution and Power Transformers	Marek	R. P.	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
		(804) 383-2376 Richard.P.Marek@usa.dupont.com				
IEEE 259	IEEE Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers	Stankes	S	1999 12/31/2015		Approved 9/22/04 - RevCom approved reaffirmation Reaffirmed March 2010
		(603) 545-3026				
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.	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
		(416) 298-8108 richardd@ca.trenchgroup.com				
IEEE 1277	IEEE General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors for DC Power Transmission	Dudley	R. F.	2000 12/31/2015		Approved. Active PAR for revision Active PAR for revision. Ballot approved March 2010
		(416) 298-8108 richardd@ca.trenchgroup.com				

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	INSTRUMENT TRANSFORMERS <i>McTaggart R.</i>	(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 12/31/2011	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

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SubCommittee Chair	INSULATING FLUIDS <i>McNelly S.J.</i>	(612) 330-6904 sjmcnelly@ieee.org			
PC57.130	IEEE Trial-Use Guide for the Use of Dissolved Gas Analysis During Factory Temperature Rise Tests for the Evaluation of Oil-Immersed Transformers and Reactors			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. (785)256-7161 paul_boman@hsb.com		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. (617) 393-3133 rladroga@doble.com	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	Thompson J. A. (605) 534-3571 writejt@trservice.com	2006 12/31/2011		Approved D6 pproved 12/6/2006 Previously version in 2002, 1991 (R1998), 1977
C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	Gryszkiewicz F. J. (617) 393-3161 frankjg@ieee.org	1983 12/31/2014		Approved
C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	Sundin 9035267577 sales@dsifluids.com	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	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Jakob F. 916-801-0800 fredi.jakob@gmail.com	2010 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 12/31/2010		Approved D3a - approved by RevCom on 9/21/05. Published 3/10/2006 Reaff Ballot invitation opened Oct 2010 Ballot closed Dec 21 '10 with No Negatives Revcom approved extension until Dec 2011 to complete Reaff ballot
C57.147	Guide for Acceptance and Maintenance of Natural Ester Fluids in Transformers	McShane C. P. (262) 524-4591 cpmcshane@cooperpower.com	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. (605) 534-3571 writejt@trservice.com	1985 12/31/2012	12/10/2008 12/31/2012	Approved - Reaffirmed Reaffirmation approved by SA Board 9/27/2007 PAR for Revision approved Dec 2008

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	INSULATION LIFE <i>Forsyth B. I.</i>	405-622-8816 bruce.forsyth@ieee.org			
P57.151	IEEE Guide for Sound Level Measurement for Liquid Immersed Transformers and Reactors	Puri J. (704) 821-6638 manopuri@worldnet.att.net		12/07/2005 12/31/2009	PAR Withdrawn 2010 IEC granted permission for use of IEC documents PAR Extension denied by NESCOM; PAR withdrawn
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 In Ballot Resolution PAR Ext on Dec'10 agenda Dec '10: Nescom and Revcom extended until December 2011
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 approved Dec09 until 12/31/2010 PAR Mod approved Sept 2010 PAR Ext on Dec'10 agenda Dec '10: Nescom and Revcom extended until December 2011
C57.91-1995/Cor	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
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 - 1 yr ext requested Dec '10: Revcom extended until December 2011

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	PERFORMANCE CHARACTERISTICS <i>Antosz S.</i>	(412) 498-3916 santosz@ieee.org			
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
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	TeNyenhuis E.G. (519) 837-4691 ed.g.tenyenhuis@ca.abb.com	2002 12/31/2015	02/20/2007 12/31/2011	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	Darwin A.W. 44 1785 274370 alan.darwin@areva-td.com	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

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	PERFORMANCE CHARACTERISTICS <i>Antosz S.</i>	(412) 498-3916 santosz@ieee.org			
C57.21 PC57.21	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA	Dudley R. F. (416) 298-8108 richardd@ca.trenchgroup.com	1990 12/31/2013	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	Schappell S. M. (919) 580-3240 schappell@ieee.org	1972 12/31/2009	12/11/2002 12/31/2011	Approved - Active PAR to revise std PAR to Revise IEEE Std 32-1972 Dec. 2002 - Sponsor changed from PES/SPD to PES/TR Being revised under PC57.32 PAR Modified and extended to Dec 2011

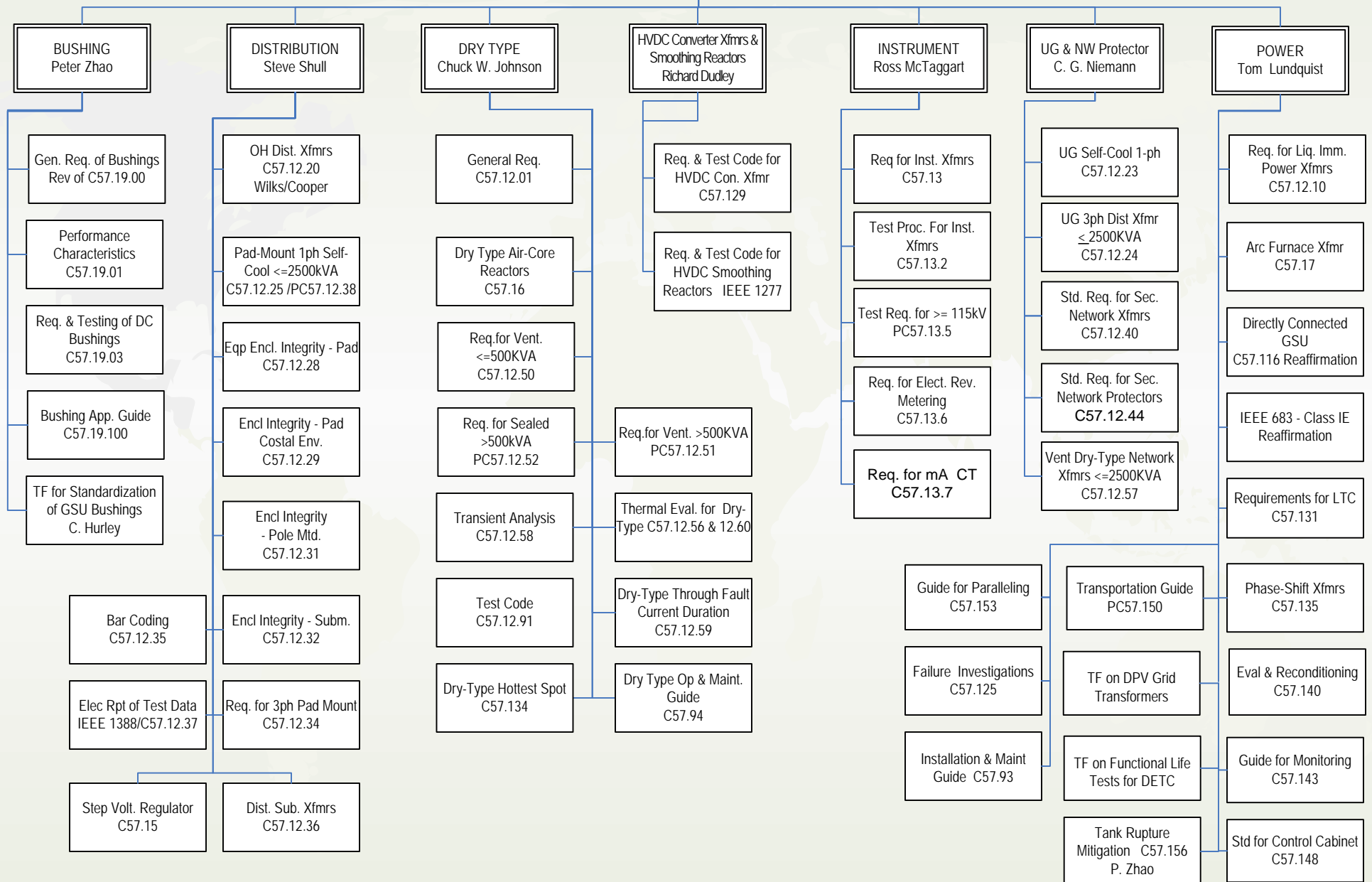
STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	POWER TRANSFORMERS <i>Lundquist T.</i>	(602) 236-8617 tom.lundquist@ieee.org			
PC57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed 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
PC57.148	Standard for Control Cabinets for Power Transformers	Watson J.D. (561) 691-2206 joe_watson@ieee.org		02/27/2004 12/31/2011	New Project - Active PAR Std under development PAR Mod and extension approved Sept 2010 until Dec 2011
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
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			PAR is being prepared
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
C57.116	IEEE Guide for Transformers Directly Connected to Generators	Raymond T. (518) 884-0297 tc.raymond@ieee.org	1989 12/31/2010		Approved Reaffirmation approved in Dec. 2005 Reaffirmation Invitation opened October 2010 Reaffirmation Ballot Closed Nov 29 '10 with many Negatives Dec '10: Revcom extended until December 2011
C57.117	IEEE Guide for Reporting Failure Data for Power Transformers and Shunt Reactors on Electric Utility Power Systems	Binder, Jr. W. B. (724) 654-3839 wbbinder@aol.com	1986 12/31/2006		Approved Previously IEEE 786-1986, original approval date 6/19/1986 Reaffirmation ballot in resoluiton. Will be merged 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 Std reaffirmed 5/10/2005 Oct'10: decision to merg with C57.117. PAR for Revision submitted Oct 13 2010 Dec'10: NESCOM approved new PAR for merger of 117 and 125 Revcom extended till Dec '15

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	POWER TRANSFORMERS <i>Lundquist T.</i>	(602) 236-8617 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 to Revise IEEE Std C57.131-1995 PAR Modified Dec 09 and extended to Dec 2010. In Ballot Resolution. PAR Extension on Dec'10 agenda Dec '10: Nescom & Revcom extend until Dec31 2011
C57.135 PC57.135	IEEE Guide for the Application, Specification and Testing of Phase- Shifting Transformers	Sim H. J. (919) 580-3234 jin.sim@ieee.org	2001 12/31/2011	02/20/2007 12/31/2011	Approved - Active PAR for Revision Approved for IEEE/IEC Dual Logo Dec. 2005 - IEC 62032 Ed. 1
C57.140 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
C57.93 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.me.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 Date PAR Expiration	Standard Status Remark
SubCommittee Chair	STANDARDS <i>Bartley W. H.</i>	(860) 722-5483 william_bartley@hsb.com			
C57.12.00	IEEE Standard for General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	Snyder S. L. (731) 288-4282 slnyde@ieee.org	2010 12/31/2015		Approved 2010 rev approved by SA Board in June, 2010. Published 9/10/2010.
C57.12.70 PC57.12.70	IEEE Standard Terminal Markings and Connections for Distribution and Power Transformers	Shull S. (417) 625-6110 sshull@empiredistrict.com	2000 12/31/2011	05/07/2007 12/31/2011	Approved - Active PAR for Revision Reaffirmation approved by RevCom 3/30/2006. Published 3/16/2001. New PAR for revision approved by SA Board 5/7/2007
C57.12.80	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@ieee.org	2006 12/31/2015	05/07/2007 12/31/2011	Approved Published Oct 2010 Approved
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 number assigned PC57.152

STANDARD PROJECT	TITLE	Working Group Chair Phone Email	Pub Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee Chair	UNDERGROUND TR & NW PROTECT <i>Niemann C. G.</i>	(847) 683-2145 carlpumco@sbcglobal.net			
C57.12.23 PC57.12.23	IEEE Standard for Underground Type, Self-Cooled, Single-Phase Distribution Transformers with Separable Insulated High-Voltage Connectors; High Voltage 25kV and Below; Low Voltage 600V and Below	Traut A. 706-548-3121 atraut@ieee.org	2009 12/31/2014		Approved Published 4/20/2009
C57.12.24	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 Existing standard withdrawn by IEEE on 1/15/2001. No longer endorsed by IEEE. New working group formed to address revision. Need an approved PAR from IEEE SA Board.
C57.12.40 PC57.12.40	Standard for Requirements for Secondary Network Transformers - Subway and Vault Types (Liquid Immersed)	Klaponski B. (204) 633-7220 brian.klaponski@carte.ca	2006 12/31/2011	03/27/2007 12/31/2011	Approved - New PAR for Revision Active D4 approved by RevCom 3/30/3006. Standard Published 9/15/2006. New PAR approved 3/27/2007
C57.12.44 PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	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 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 - Activity Organization Chart
 Chair: J. Ed Smith
 Vice Chair: Bill Chiu Secretary: Don Platts Treas: Greg Anderson
 Std. Coordinator: Bill Bartley



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