

IEEE PES Transformers

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Chair: Tammy Behrens

Bushings
Chair: Eric Weatherbee
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Insulating Fluids
Chair: Scott Reed
Pg 5

Dielectric Tests
Chair: Dr. Poorvi Patel
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Insulation Life
Chair: Sam Sharpless
Pg 5

Distribution Transformers
Chair: Ed Smith
Pg 3

Performance Characteristics
Chair: Rogerio Verdolin
Pg 6

Dry Type Transformers
Chair: Casey Ballard
Pg 3

Power Transformers
Chair: Ryan Musgrove
Pg 7

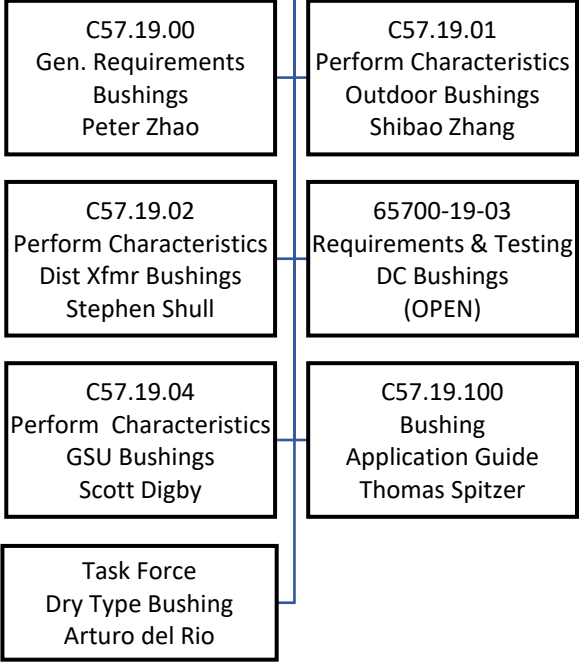
HVDC Converters & Smoothing Reactors
Chair: Ulf Radbrandt
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Standards
Chair: Dan Sauer
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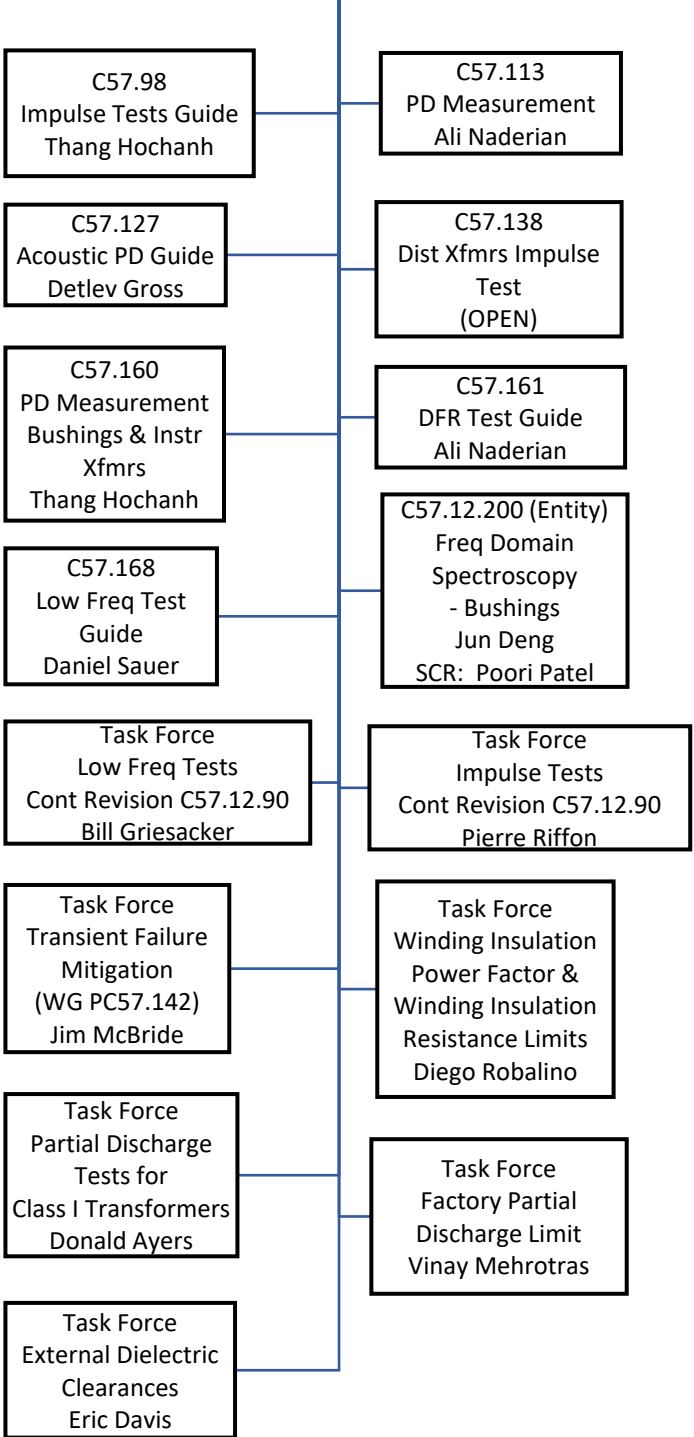
Instrument Transformers
Chair: Thomas Sizemore
Pg 4

Subsurface Transformers
& Network Protectors
Chair: George Payerle
Pg 4

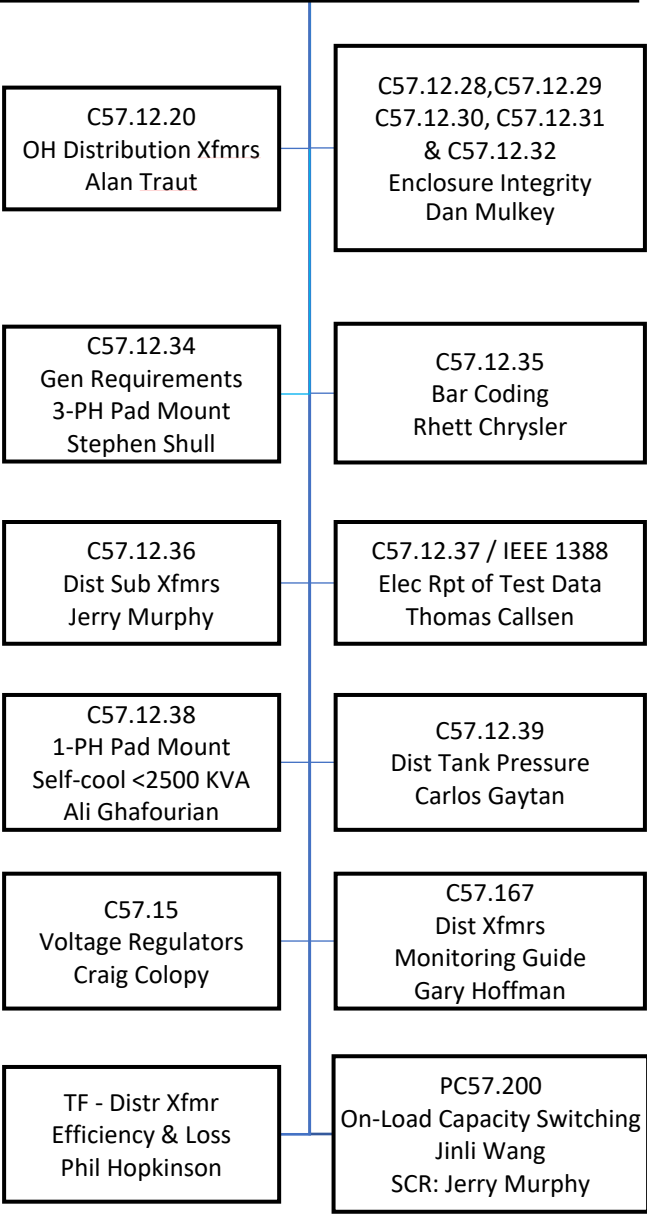
**Bushings
Chair - Eric Weatherbee**



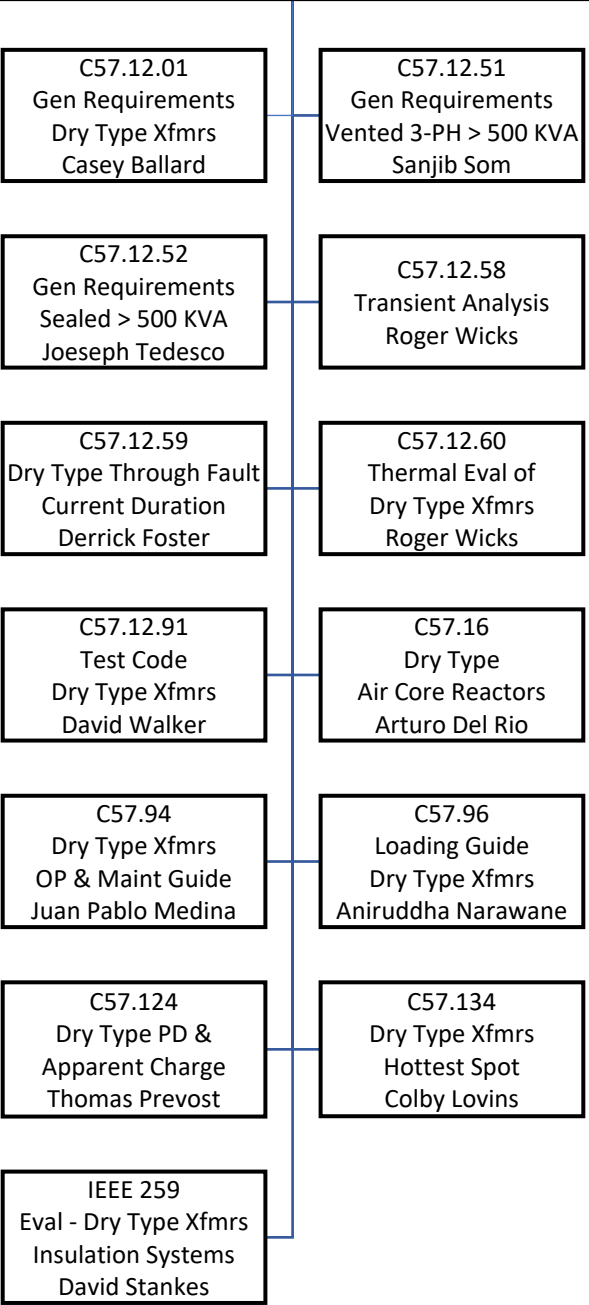
**Dielectric Tests
Chair - Dr. Poorvi Patel**



**Distribution Transformers
Chair - Ed Smith**



**Dry Type Transformers
Chair - Casey Ballard**



**HVDC Converter Transformers
& Smoothing Reactors
Chair - Ulf Radbrandt**

IEEE 1277
Requirements & Test
Code for Smoothing
Reactors
Klaus Pointner

IEC_IEEE 60076-57-12
Requirements
& Test Code for HVDC
Converter Xfmrs
Ulf Radbrandt

IEEE 638
IEEE Standard for
Qualification of Class 1E
Transformers for Nuclear
Power Generating
Stations
(OPEN)

**Subsurface Transformers
& Network Protectors
Chair - George Payerle**

C57.12.23
Cont. Revision
Submersible 1Ø Xfmrs
Allan Traut

C57.12.24
Cont Revision
Submersible 3Ø Xfmrs
>2500 KVA
Benjamin Garcia

C57.12.40
Cont Revision
Sec Network Xfmrs
David Blew

C57.12.44
Cont Revision
Sec Network
Protectors
Mark Faulkner

C57.12.57
Ventilated Dry-Type
Network Transformers
2500 kVA and Below
(OPEN)

C57.12.53
Corrosion effects on
Subsurface Transformers
Will Elliot

**Instrument Transformers
Chair - Thomas Sizemore**

C57.13
Requirements
Instrument Xfmrs
(OPEN)

C57.13.2
Test Procedures
Instrument Xfmrs
Thomas Sizemore

C57.13.5
Test Requirements
Instr Xfmrs ≥ 115 kV
Pierre Riffon

C57.13.6
Requirements
High Accuracy
Instr Xfmrs
(OPEN)

C57.13.7
Requirements mA CT
Henry Alton

IEC-IEEE 63245-5713-8
Requirements SSVTs
Dave Wallace

C57.13.9
Requirements CCVTs
Zoltan Roman

Task Force
Instrument
Transformers Accuracy
Igor Ziger

**Insulating Fluids
Chair - Scott Reed**

**Insulation Life
Chair - Sam Sharpless**

C57.104
DGA Guide
Mineral Oil
(OPEN)

C57.106
Mineral Oil Guide
(OPEN)

TF – Clause 5.11.4
C57.12.00
Toby Johnson

TF – Clause 11
C57.12.90
Dinesh Sankarakurup

C57.111
Silicone Oil Guide
(Allowed to Expire)

C57.121
LF Hydrocarbons Guide
(Allowed to Expire)

C57.91
Loading Guide
Dave Wallach

C57.100
Thermal Eval Insulation
Roger Wicks

C57.130
DGA Guide
Thermal Tests
John Foschia

C57.139
DGA Guide
LTCs
Rainer Frotscher

C57.119
Temp Test
Above NP Rating
Gael Kennedy

C57.154
Requirements
Hi Temp Insulation
Rick Marek

C57.146
DGA Guide
Silicone OIL
Jon Karas

C57.147
Ester Fluids Guide
(OPEN)

C57.162
Moisture in
Insulation
Thomas Prevost

C57.165
Temp Measument
Guide
Mark Tostrud

C57.155
DGA Guide
Ester Fluids
Alan Sbravati

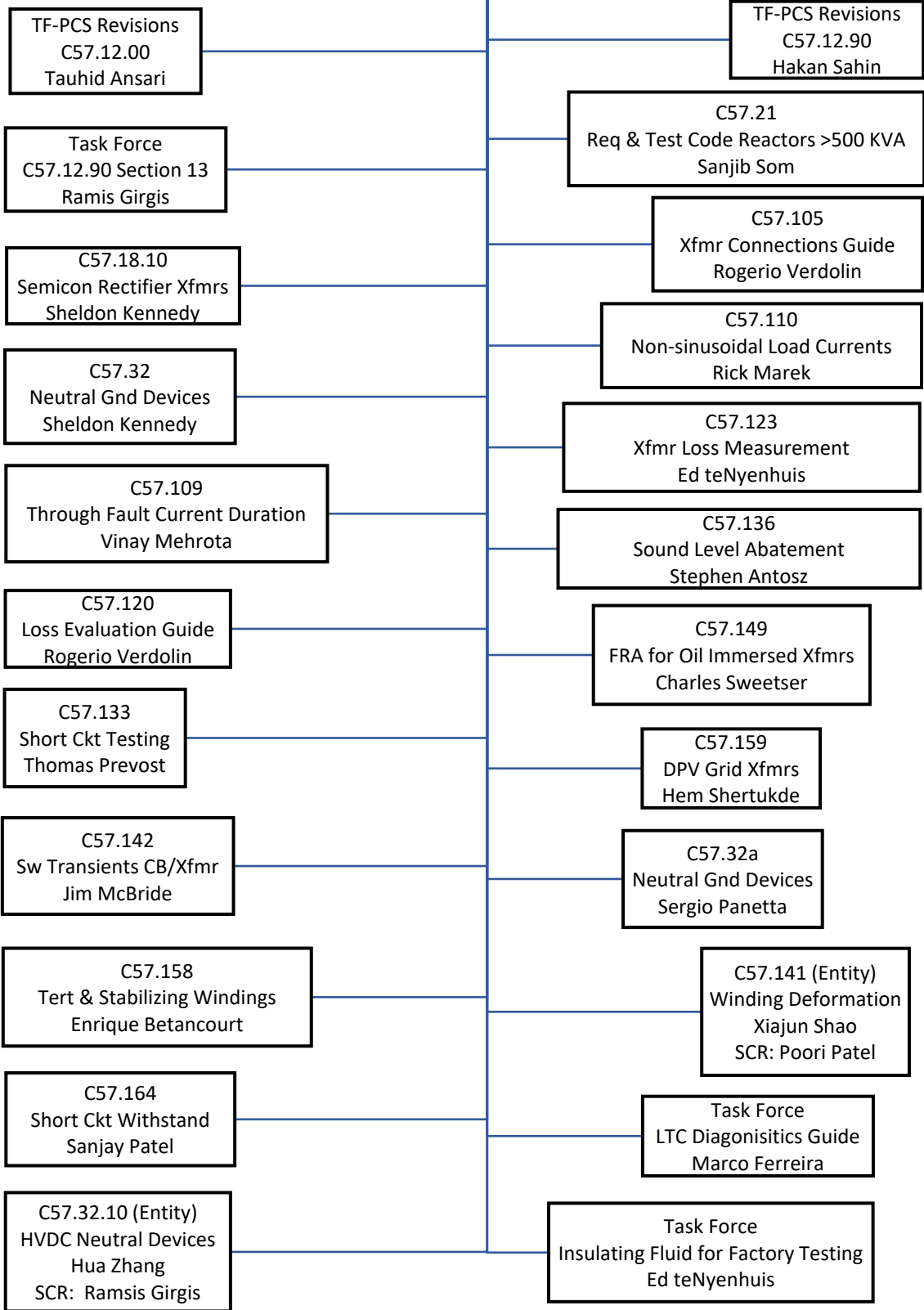
C57.166
Consolidated
Fluids Guide
Thomas Prevost

C57.169
Max Winding
Temperature Rise
Scott Digby

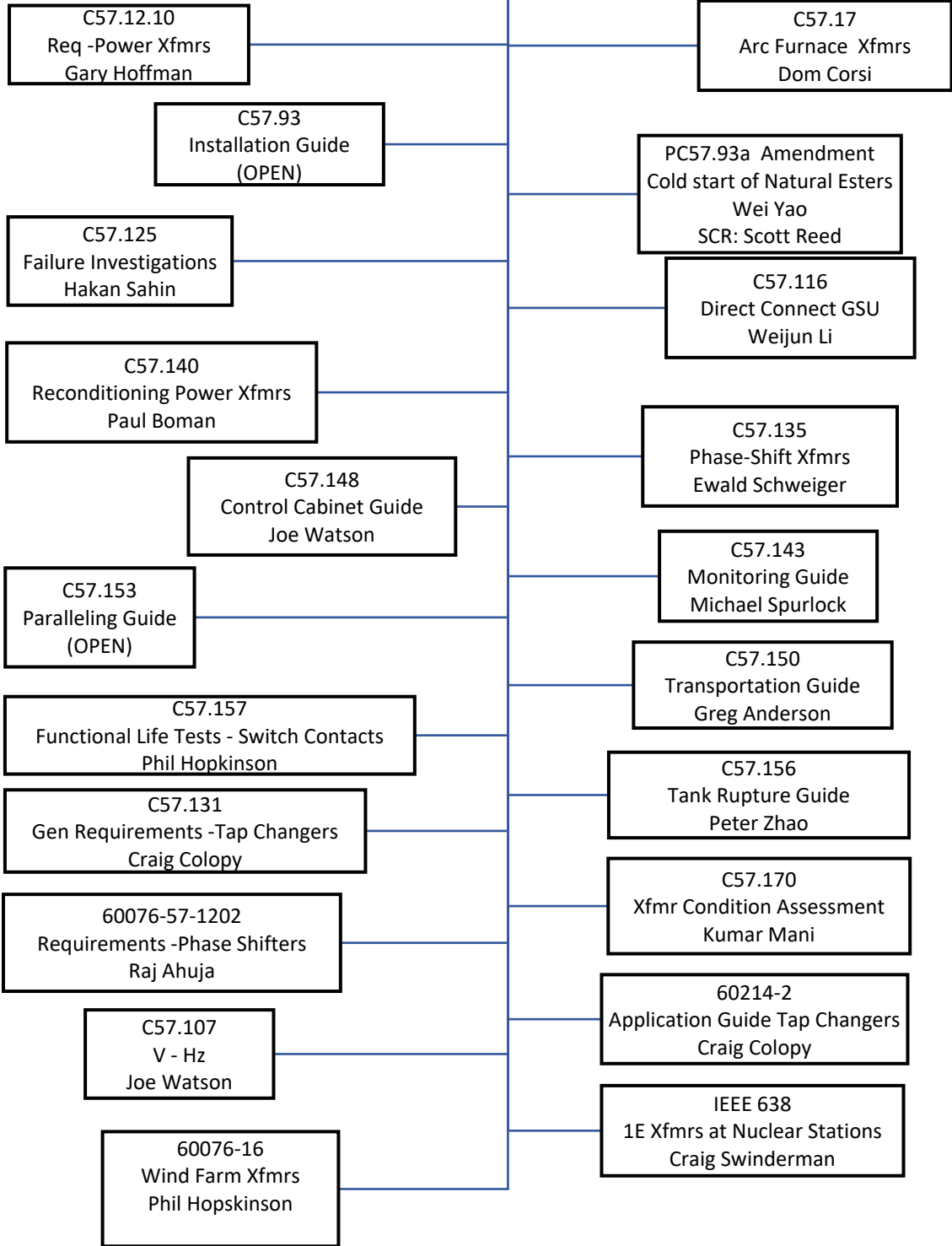
IEEE 1276
High Temp Insulation
Guide
Kevin Biggie

C57.637
Mineral Oil
Reclamation
Stephanie Denzer

**Performance Characteristics
Chair - Rogerio Verdolin**



**Power Transformers
Chair - Ryan Musgrove**



Standards
Chair - Dan Sauer

57.12.00
(Cont Revision)
Steve Snyder

C57.12.90
(Cont Revision)
Stephen Antosz

C57.12.70
Terminal Markings
& Connections
Jason Varnell

C57.12.80
Terminology
James Graham

C57.144
Metric Conversion
(OPEN)

C57.152
Field Testing Guide
Marcos Ferreira

C57.163
Xfmrs GMD Guide
Daniel Blaydon

Task Force
IEEE-IEC Cross-References
(Cont Revision)
Vinay Mehrota

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT		Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee BUSHINGS					
CHAIR: Eric Weatherbee		eweatherbee@hubbell.com		(585) 768 - 1272	
Individual PC57.19.02	Draft Standard for Design and Performance Requirements for Bushings Applied to Liquid Immersed Distribution Transformers	Stephen Shull (417) 206 - 4047 sshull@ckt.net		2/5/2016 12/31/2022	Active PAR + 1 PAR Extension In Ballot
Individual P65700-19-03	IEC/IEEE International Standard -- Bushings for DC application	Eric Weatherbee (585) 768 - 1272 eweatherbee@hubbell.com	2014 12/31/2024	9/23/2021 12/31/2025	ACTIVE + PAR for Revision
Individual PC57.19.00	Standard General Requirements and Test Procedure for Power Apparatus Bushings	Peter Zhao (416) 345 - 5926 peter.zhao@hydroone.com	2004 12/31/2020	2/15/2018 12/31/2022	INACTIVE-RESERVED + PAR for Revision
Individual C57.19.01	IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings			2017 12/31/2027	ACTIVE
Individual C57.19.04	IEEE Standard for Performance Characteristics and Dimensions for High Current Power Transformer Bushings with Rated Continuous Current in Excess of 5000 A in Bus Enclosures			2018 12/31/2028	ACTIVE
Individual PC57.19.100	IEEE Guide for Application of Power Apparatus Bushings	Thomas Spitzer (817) 584 - 6567 t.spitzer@sbcglobal.net	2012 12/31/2022	5/21/2019 12/31/2023	ACTIVE + PAR for Revision

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee DIELECTRIC TESTS				
CHAIR: Ajith Varghese	ajith.varghese@spx.com		(262) 442 - 7197	
Entity PC57.12.200	Guide for the Frequency Domain Spectroscopy Measurement of Transformer Bushings Jinli Wang wangjinli@epri.sgcc.com.cn		9/27/2018	Active PAR SCR: Poori Patel Ballot invitation to close on 3/31/2022 12/31/2022
Individual PC57.160	Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers Thang Hochanh (819) 821-3636 thanghochanh@surplec.com		6/15/2017	Active PAR SA BALLOT closed 1/9/2019 with 520 comments to resolve. Currently in comment resolution. 12/31/2022
Individual PC57.168	Guide for Low Frequency Dielectric Testing for Distribution, Power and Regulating Transformers Daniel Sauer (262) 896 - 2417 dmsauer@mtu.edu		6/14/2018	Active PAR 12/31/2022
C57.113 Individual PC57.113	IEEE Guide for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors Ali Naderian (647) 300 - 8836 ali.naderian@ieee.org	2010 12/31/2020	12/6/2017	INACTIVE-RESERVED + PAR Revision +1 PAR Extension 12/31/2023
C57.127 Individual	IEEE Guide for the Detection, Location and Interpretation of Sources of Acoustic Emissions from Electrical Discharges in Power Transformers and Power Reactors	2018 12/31/2028		ACTIVE
C57.138 Individual	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	2016 12/31/2026		ACTIVE
C57.161 Individual	IEEE Guide for Dielectric Frequency Response Test	2018 12/31/2028		ACTIVE
C57.98 Individual PC57.98	IEEE Guide for Transformer Impulse Tests Thang Hochanh (819) 821-3636 thanghochanh@surplec.com	2011 12/31/2021	10/27/2018	ACTIVE + PAR for Revision 12/31/2022

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee DISTRIBUTION TRANSFORMERS				
CHAIR: Edward Smith		edsmith@h-j.com		(636) 677 - 3421
Entity PC57.12.210	Recommended Practice for On-load Capacity Switching Distribution Transformers Jinli Wang wangjinli@epri.sgcc.com.cn		2/10/2021 12/31/2025	Active PAR SCR: Jerry Murphy
Individual PC57.167	Guide for Monitoring Distribution Transformers Gary Hoffman (973) 474 - 2171 grhoffman@advpowertech.co		6/14/2018 12/31/2022	Active PAR
Individual 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 Alan Traut (601) 422 - 1198 atraut@ieee.org	2017 12/31/2027	2/8/2019 12/31/2023	ACTIVE + PAR for Revision
Individual PC57.12.28	Standard for Pad Mounted Equipment - Enclosure Integrity Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2014 12/31/2024	3/5/2020 12/31/2024	ACTIVE + PAR for Revision
Individual PC57.12.29	Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2014 12/31/2024	3/5/2020 12/31/2024	ACTIVE + PAR for Revision
Individual PC57.12.30	Std for Pole-Mounted Eqpt - Enclosures for Coastal Environment Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2020 12/31/2030		ACTIVE
Individual PC57.12.31	IEEE Standard for Pole Mounted Equipment - Enclosure Integrity Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2020 12/31/2030		ACTIVE
Individual PC57.12.32	Standard for Submersible Equipment - Enclosure Integrity Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2019 12/31/2029		ACTIVE

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee DISTRIBUTION TRANSFORMERS				
CHAIR: Edward Smith		edsmith@h-j.com	(636) 677 - 3421	
C57.12.34 Individual PC57.12.34	IEEE Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below Stephen Shull (417) 206 - 4047 sshull@ckt.net	2015 12/31/2025	9/22/2016 12/31/2022	ACTIVE + PAR for Revision + 1 PAR extension Currently in Ballot - Close 3/24/2022
C57.12.35 Individual PC57.12.35	IEEE Standard Bar Coding for Distribution Transformers and Step-Voltage Regulators Rhett Chrysler (731) 288 - 2831 rhettchrysler@ieee.org	2013 12/31/2023	6/13/2019 12/31/2023	ACTIVE + PAR for Revision
C57.12.36 Individual	Standard Requirements for Liquid-Immersed Distribution Substation Transformers	2017 12/31/2027		ACTIVE
C57.12.37 Individual	IEEE Standard for the Electronic Reporting of Transformer Test Data	2015 12/31/2025		ACTIVE
C57.12.38 Individual PC57.12.38	IEEE Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution Transformers 250 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 V and Below; Low Voltage, 480/240 V and Below Ali Ghafourian (706) 202 - 7212 asghar.ghafourian@gmail.com	2014 12/31/2024	10/28/2017 12/31/2023	ACTIVE + PAR for Revision + 1 PAR Extension Corrigenda PAR is currently active until 2024. Corrigenda PAR will be allowed to expire.
C57.12.39 Individual	IEEE Standard for Requirements for Distribution Transformer Tank Pressure Coordination	2017 12/31/2027		ACTIVE
C57.15 Individual	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	2017 12/31/2027		ACTIVE

IEEE/PES TRANSFORMERS COMMITTEE

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STANDARD		Working Group Chair	Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE		Phone			
PROJECT		Email	Rev Due Date	PAR Expiration	Remark
SubCommittee DRY TYPE TRANSFORMERS					
CHAIR: Case Ballard		robert.c.ballard@ieee.org	(804) 292 - 5207		
259	IEEE Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers	Juan-Pablo Andrade Medina (815) 678-2421 jmedina@olsun.com	1999 12/31/2020	12/3/2020 12/31/2024	INACTIVE-RESERVED+ PAR for Revision Standard was allowed to expire by the SC. However, when revising IEEE C57.12.60, the need for this standard was recognized.
Individual					
P259					
C57.12.01	IEEE Standard for General Requirements for Dry-Type Distribution and Power Transformers	Casey Ballard (804) 292 - 5207 robert.c.ballard@ieee.org	2020 12/31/2030	2/23/2022 12/31/2026	ACTIVE + PAR for Revision This standard is under continuous revision.
Individual					
PC57.12.01					
C57.12.51	IEEE Guide for Mechanical Interchangeability of Ventilated Dry-Type Transformers		2019 12/31/2029		ACTIVE
Individual					
C57.12.52	IEEE Standard for Sealed Dry-Type Power Transformers, 501 kVA and Higher, Three-Phase, with High-Voltage 601 to 34500 Volts, Low-Voltage 208Y/120 to 4160 Volts--General Requirements	Joseph Tedesco (276) 688-1675 joseph.l.tedesco@hitachi-powe	2012 12/31/2022	3/5/2020 12/31/2024	ACTIVE + PAR for Revision Scope Changed and Approved 2/23/2022
Individual					
PC57.12.52					
C57.12.58	IEEE Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil		2017 12/31/2027		ACTIVE
Individual					
C57.12.59	IEEE Guide for Dry-Type Transformer Through-Fault Current Duration		2015 12/31/2025		ACTIVE Dereck Foster has been appointed to TF Chair to study the need for revision.
Individual					
C57.12.60	IEEE Standard for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers		2020 12/31/2030		ACTIVE
Individual					
C57.12.91	IEEE Standard Test Code for Dry-Type Distribution and Power Transformers	David Walker (520) 484 - 5338 djwalker1260@gmail.com	2020 12/31/2030	2/23/2022 12/31/2026	ACTIVE + PAR for Revision This standard is under continuous revision.
Individual					
PC57.12.91					

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT		Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee DRY TYPE TRANSFORMERS					
CHAIR: Casey Ballard		robert.c.ballard@ieee.org	(804) 292 - 5207		
C57.124 Individual PC57.124	IEEE Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers	Thomas Prevost (802) 751 - 3458 tprevost@ieee.org	1991 12/31/2019	6/15/2017 12/31/2023	INACTIVE-RESERVED +PAR for Revision+1PAR extension This is late due to an earlier decision to wait on the development of IEEE C57.113 to keep the testing processes in sync between liquid filled and dry type. For the next revision it has been proposed that these two documents be combined to reduce the effort.
C57.134 Individual PC57.134	IEEE Guide for Determination of Hottest Spot Temperature in Dry Type Transformers	Colby Lovins colby.lovins@ieee.org	2013 12/31/2023	5/21/2021 12/31/2025	ACTIVE + PAR for Revision
C57.16 Individual PC57.16	IEEE Standard Requirements, Terminology, and Test Code for Dry-Type Air- Core Series- Connected Reactors	J. Arturo Del Rio (919) 449 - 5675 a.delrio@ieee.org	2011 12/31/2021	2/5/2016 12/31/2022	ACTIVE + PAR for Revision + 1 PAR Extension
C57.94 Individual PC57.94	IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers	Juan-Pablo Andrade Medina (815) 678-2421 jmedina@olsun.com	2015 12/31/2025	2/23/2022 12/31/2026	ACTIVE + PAR for Revision
C57.96 Individual PC57.96	IEEE Guide for Loading Dry-Type Distribution and Power Transformers	Aniruddha Narawane (804) 229 - 5956 aniraj200@yahoo.com	2013 12/31/2023	2/10/2021 12/31/2025	ACTIVE + PAR for Revision

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD	Working Group Chair	Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE	Phone	Rev Due Date	PAR Expiration	Remark
PROJECT	Email			
SubCommittee HVDC TRANSFORMERS				
CHAIR:	Uif Radbrandt			
	ulf.radbrandt@ieee.org		4 (624) 078 - 3357	
1277	IEEE Standard General Requirements and Test Code for Dry-Type and Oil-Immersed Smoothing Reactors and for Dry-Type Converter Reactors for DC Power Transmission	2020		ACTIVE
Individual		12/31/2030		
60076-57-129	IEC/IEEE International Standard - Power transformers--Part 57-129: Transformers for HVDC applications	2017		ACTIVE
Individual		12/31/2027		

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee INSTRUMENT TRANSFORMERS				
CHAIR: Thomas Sizemore				
thomas.sizemore.us@ieee.org		(252) 827 - 3235		
Individual P63253-5713-8	Standard Requirements for Station Service Voltage Transformers David Wallace (662) 325 - 2009 daweleceng@aol.com	2016 12/31/2021	12/11/2013 12/31/2023	Active PAR The original PAR was approved on 12/11/2013. The original Project was called PC57.13.8. It was extended on 6/15/2017, modified to a dual logo on 3/21/2019.
Individual PC57.13.9	Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers Zoltan Roman (706) 360 - 4964 zoltan.roman@ge.com	2016 12/31/2023	3/23/2017	Active PAR + 1 PAR Extension
Individual C57.13 PC57.13-2016CO	IEEE Standard Requirements for Instrument Transformers David Wallace (662) 325 - 2009 daweleceng@aol.com	2016 12/31/2026	3/21/2019	ACTIVE + PAR for Corrigenda
Individual C57.13.2 PC13.2	Conformance Test Procedure for Instrument Transformers Shibao Zhang (585) 768-1273 szhang@hubbell.com	2005 12/31/2020	12/6/2017	INACTIVE-RESERVED+PAR for Revision+1 PAR extension Ballot closed on 11/13/2021. Currently in comment resolution.
Individual C57.13.5	Standard of Performance and Test Requirements for Instrument Transformers of a Nominal System Voltage of 115 kV and Above	2019 12/31/2029		ACTIVE
Individual C57.13.6	Standard for High Accuracy Instrument Transformers	2005 12/31/2020		INACTIVE-RESERVED
Individual C57.13.7	IEEE Standard for Current Transformers with Maximum Milliampere Secondary Current of 250 mA	2018 12/31/2028		ACTIVE

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee INSULATING FLUIDS				
CHAIR: Scott Reed	sreed@mvdiagnostics.com		(330) 498 - 6259	
Individual PC57.166	Guide for Acceptance and Maintenance of Insulating Liquids in Transformers and Related Equipment Thomas Prevost (802) 751 - 3458 tprevost@ieee.org		3/8/2018 12/31/2022	Active PAR + PAR for Revision
Individual C57.104	IEEE Guide for the Interpretation of Gases Generated in Mineral Oil-Immersed Transformers	2019 12/31/2029		ACTIVE
Individual C57.106	IEEE Guide for Acceptance and Maintenance of Mineral Insulating Oil in Electrical Equipment	2015 12/31/2025		ACTIVE
Individual C57.111	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers	1989 3/19/2019		INACTIVE-RESERVED
Individual C57.121	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers	1998 12/9/2019		INACTIVE-RESERVED
Individual C57.130	IEEE Guide for the Use of Dissolved Gas Analysis Applied to Factory Temperature Rise Tests for the Evaluation of Mineral Oil-Immersed Transformers and Reactors	2015 12/31/2025		ACTIVE
Individual C57.139	Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	2015 12/31/2025		ACTIVE
Individual PC57.146	Guide for Interpretation of Gasses Generated in Silicone-Immersed Transformers Jon Karas (216) 213-0987 jon.karas@sdmyers.com	2005 12/31/2021	3/5/2020 12/31/2024	ACTIVE + PAR for Revision
Individual C57.147	Guide for Acceptance and Maintenance of Natural Insulating Liquid in Transformers	2018 12/31/2028		ACTIVE

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD		Working Group Chair	Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE		Phone			
PROJECT		Email	Rev Due Date	PAR Expiration	Remark
SubCommittee INSULATING FLUIDS					
CHAIR: Scott Reed		sreed@mvadiagnostics.com		(330) 498 - 6259	
C57.155	IEEE Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester-Immersed Transformers	Alan Sbravati (612) 413 - 4599 alan_sbravati@cargill.com	2014 12/31/2024	9/23/2021	ACTIVE + PAR for Revision
Individual				12/31/2025	
PC57.155					
C57.637	IEEE Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use	Stephanie Denzer (330) 581 - 4103 stephaniedenzer@alliantenerg	2015 12/31/2025	9/23/2021	ACTIVE + PAR for Revision
Individual				12/31/2025	
PC57.637					

IEEE/PES TRANSFORMERS COMMITTEE

Status Report of Transformers Standards

STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee INSULATION LIFE				
CHAIR: Samuel Sharpless		slsharpless@rimkus.com (407) 661 - 1245		
Individual PC57.162	Guide for the Interpretation of Moisture Related Parameters in Liquid Immersed Transformers and Reactors Thomas Prevost (802) 751 - 3458 tprevost@ieee.org		8/23/2013 12/31/2022	Active PAR + 2 PAR Extensions This will not get another extension without significant extenuating circumstances.
Individual PC57.165	Guide for Temperature Measurements for Liquid Immersed Transformers and Reactors Mark Tostrud (262) 746 - 1230 mark.tostrud@dynamicroatings.		2/17/2017 12/31/2023	Active PAR + 1 PAR Extension
Individual PC57.169	Guide for Determination of Maximum Winding Temperature Rise in Liquid-Immersed Transformers Scott Digby (919) 546 - 5798 scott.digby@duke-energy.com		3/21/2019 12/31/2023	Active PAR
1276 Individual P1276a	IEEE Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Distribution, Power, and Regulating Transformers Kevin Biggie kevin.biggie@weidmann-group	2020 12/31/2030	3/23/2022 12/31/2026	ACTIVE + PAR for Amendment
1538 Individual	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer	2000 12/31/2021		ACTIVE Please note that this document will be allowed to go inactive as it is being replaced by C57.169.
1538a Individual	IEEE Guide for Determination of Maximum Winding-Temperature Rise in Liquid Immersed Transformers -- Amendment 1	2015 12/31/2021		ACTIVE Please note that this document will be allowed to go inactive as it is being replaced by C57.169.
C57.100 Individual PC57.100	IEEE Standard Test Procedure for Thermal Evaluation of Liquid-Immersed Distribution and Power Transformers Roger Wicks (804) 383 - 3300 roger.c.wicks@dupont.com	2011 12/31/2021	10/30/2018 12/31/2022	ACTIVE + PAR for Revision
C57.119 Individual	IEEE Recommended Practice for Performing Temperature Rise Tests on Liquid Immersed Power Transformers at Loads Beyond Nameplate Ratings	2018 12/31/2028		ACTIVE
C57.154 Individual PC57.154	IEEE Guide for Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid-Immersed Transformers Richard Marek (804) 768 - 0748 rick.marek@gmail.com	2012 12/31/2022	9/27/2018 12/31/2022	ACTIVE + PAR for Revision Ballot closed on 11/18/2021. Currently in Comment Resolution

IEEE/PES TRANSFORMERS COMMITTEE Status Report of Transformers Standards

STANDARD		Working Group Chair		Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE		Phone				Remark
PROJECT		Email		Rev Due Date	PAR Expiration	
SubCommittee INSULATION LIFE						
CHAIR: Samuel Sharpless		slsharpless@rimkus.com		(407) 661 - 1245		
C57.91	IEEE Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators	David Wallach		2011	9/28/2017	ACTIVE + PAR for Revision
Individual		(980) 373 - 4167		12/31/2021		
PC57.91		david.wallach@duke-energy.c			12/31/2023	

IEEE/PES TRANSFORMERS COMMITTEE

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STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee PERFORMANCE CHARACTERISTICS				
CHAIR: Rogerio Verdolin				
		roger.verdolin@ieee.org	(403) 850 - 4304	
Entity C57.32.10	Guide for the Selection of Neutral-Grounding Devices for High Voltage Direct Current (HVDC) Converter Transformers Zhang Hua zhanghua002@163.com		10/30/2018 12/31/2022	Active PAR SCR: Ramsis Girgis
Entity PC57.141	Guide for Detection, Monitoring, and Evaluation of Winding Deformation in Liquid-Immersed Power Transformers Xianjun Shao shaoxianjun0575@163.com		9/23/2021 12/31/2025	Active PAR SCR: Poori Patel
Individual C57.105 PC57.105/Cor 1	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems Rogerio Verdolin (403) 850 - 4304 roger.verdolin@ieee.org	2019 12/31/2029	12/3/2020 12/31/2024	ACTIVE + PAR for Corrigenda
Individual C57.109	IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration	2018 12/31/2028		ACTIVE
Individual C57.110	IEEE Recommended Practice for Establishing Liquid Immersed and Dry-Type Power and Distribution Transformer Capability when Supplying Nonsinusoidal Load Currents	2018 12/31/2028		ACTIVE
Individual C57.120	IEEE Guide for Loss Evaluation of Distribution and Power Transformers and Reactors	2017 12/31/2027		ACTIVE
Individual C57.123	IEEE Guide for Transformer Loss Measurement	2019 12/31/2029		ACTIVE
Individual C57.136 PC57.136	IEEE Guide for Sound Level Abatement and Determination for Liquid- Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA Stephen Antosz (412) 498 - 3916 santosz@ieee.org	2000 12/31/2018	2/10/2021 12/31/2025	INACTIVE-RESERVED + PAR for Revision
Individual C57.142 PC57.142	A Guide To Describe The Occurrence And Mitigation Of Switching Transients Induced By Transformer-Breaker Interaction Jim McBride (770) 460-6626 jim@jmxhv.com	2010 12/31/2020	3/23/2017 12/31/2023	INACTIVE-RESERVED+PAR Revision+1 PAR Extension Ballot Invitation Complete - No Ballot yet initiated

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STANDARD		Working Group Chair	Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE		Phone	Rev Due Date	PAR Expiration	Remark
PROJECT		Email			
SubCommittee PERFORMANCE CHARACTERISTICS					
CHAIR: Rogerio Verdolin		roger.verdolin@ieee.org	(403) 850 - 4304		
C57.149	Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers	Charles Sweetser (617) 901 - 6180 charles.sweetser@omiconene	2012 12/31/2022	6/14/2018	ACTIVE + PAR for Revision
Individual				12/31/2022	
PC57.149					
C57.158	IEEE Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers		2017 12/31/2027		ACTIVE
Individual					
C57.159	IEEE Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Generation Systems		2016 12/31/2026		ACTIVE
Individual					
C57.164	Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors		2021 12/31/2031		Active
Individual					
C57.18.10	IEEE Standard Practices and Requirements for Semiconductor Power Rectifier Transformers		2021 12/31/2031		ACTIVE
Individual					
C57.21	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA		2021 12/31/2031		ACTIVE
Individual					
C57.32	IEEE Standard Requirements, Terminology, and Testing Procedures for Neutral Grounding Devices		2015 12/31/2025		ACTIVE
Individual					
C57.32a	IEEE Standard for Requirements, Terminology, and Test Procedure for Neutral Grounding Devices--Amendment 1: Neutral Grounding Resistors Clause (AM)		2020 12/31/2025		ACTIVE
Individual					

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STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee POWER TRANSFORMERS				
CHAIR: Ryan Musgrove				
ryan.musgrove@ieee.org		(405) 747 - 7960		
Individual PC57.107	Recommended Practice for Developing Design-Specific Operational Limits for Transformers Connected to Generators or Power Systems Subject to Significant Short-Term Changes in Voltage or Frequency Joe Watson (561) 371 - 9138 joe_watson@ieee.org		9/23/2021 12/31/2025	Active PAR
Individual PC57.170	Guide for the Condition Assessment of Liquid Immersed Transformers, Reactors and Their Components Kumar Mani (919) 546 - 2791 kumar.mani@duke-energy.co		9/5/2019 12/31/2023	Active PAR
Entity PC57.93a	IEEE Approved Draft Guide for Installation and Maintenance of Liquid-Immersed Power Transformers Amendment: Cold Start of Power Transformers filled with Natural Ester Fluids Wei Yao yaoweidky@163.com		3/5/2020 12/31/2024	Active PAR for Amendment SCR: Scott Reed
60076-16 Individual	IEC/IEEE International Standard - Power transformers - Part 16: Transformers for wind turbine applications	2018 12/31/2028		ACTIVE
60076-57-1202 Individual	IEC/IEEE International Standard Power transformers --Part 57-1202: Liquid immersed phase-shifting transformers	2016 12/31/2026		ACTIVE
60214-2 Individual	IEEE Draft Standard for Tap-Changers - Part 2: Application Guide	2019 12/31/2029		ACTIVE
638 Individual	IEEE Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations	2013 12/31/2023		ACTIVE
C57.116 Individual PC57.116	IEEE Guide for Transformers Directly Connected to Generators Weijun Li (781) 348 - 1076 wli@beld.com	2014 12/31/2024	11/7/2019 12/31/2023	ACTIVE + PAR for Revision

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STANDARD	Working Group Chair	Approved Year	PAR Issue Date	Standard Status	
BALLOT TYPE	Phone	Rev Due Date	PAR Expiration	Remark	
PROJECT	Email				
SubCommittee POWER TRANSFORMERS					
CHAIR: Ryan Musgrove					
	ryan.musgrove@ieee.org		(405) 747 - 7960		
C57.117	IEEE Guide for Reporting Failure Data for Power Transformers and Shunt Reactors on Electric Utility Power Systems		1987	INACTIVE-RESERVED	
Individual		12/31/2018			
C57.12.10	Standard Requirements for Liquid-Immersed Power Transformers		2017	ACTIVE	
Individual		12/31/2027			
C57.125	IEEE Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors	Hakan Sahin	2015	5/21/2021	ACTIVE + PAR for Revision
Individual	(208) 220-6963		12/31/2025		
PC57.125	hakanshaun@gmail.com			12/31/2025	
C57.131	IEEE Standard Requirements for Tap Changers	Craig Colopy	2012	12/3/2020	ACTIVE + PAR for Revision
Individual	(262) 896 - 2342		12/31/2022		
PC57.131	craigacolopy@eaton.com			12/31/2024	
C57.135	IEEE Guide for the Application, Specification and Testing of Phase- Shifting Transformers		2011		ACTIVE
Individual			12/31/2021		
C57.140	IEEE Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers		2017		ACTIVE
Individual			12/31/2027		
C57.143	Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Mike Spurlock	2012	2/17/2017	ACTIVE + PAR for Revision
Individual	(614) 933 - 2284		12/31/2022		
PC57.143	mspurlock@ieee.org			12/31/2023	
C57.148	Standard for Control Cabinets for Power Transformers		2020		ACTIVE
Individual			12/31/2030		
C57.150	IEEE Guide for the Transportation of Transformers and Reactors Rated 10 000 kVA or Higher	Gregory Anderson	2012	3/23/2017	ACTIVE + PAR for Revision + !PAR Extension
Individual	(402) 680 - 1111		12/31/2022		
PC57.150	gwanderson@ieee.org			12/31/2023	

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STANDARD	Working Group Chair	Approved Year	PAR Issue Date	Standard Status
BALLOT TYPE	Phone	Rev Due Date	PAR Expiration	Remark
PROJECT	Email			
SubCommittee POWER TRANSFORMERS				
CHAIR: Ryan Musgrove				
	ryan.musgrove@ieee.org		(405) 747 - 7960	
C57.153	Guide for Paralleling Power Transformers	2015		ACTIVE
Individual		12/31/2025		
C57.156	IEEE Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors	2016		ACTIVE
Individual		12/31/2026		
C57.157	IEEE Guide for Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid-Immersed Transformers	2015		ACTIVE
Individual		12/31/2025		
C57.17	Standard Requirements for Arc Furnace Transformers	2012		ACTIVE
Individual		12/31/2022		
C57.93	IEEE Approved Draft Guide for Installation and Maintenance of Liquid-Immersed Power Transformers	2019		ACTIVE
Individual		12/31/2029		

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STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee STANDARDS				
CHAIR: Daniel Sauer		dmsauer@mtu.edu		(262) 896 - 2417
C57.12.00 Individual	IEEE Standard for General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	2021 12/31/2031		ACTIVE This standard is under continuous revision.
C57.12.70 Individual	IEEE Standard For Standard Terminal Markings and Connections for Distribution and Power Transformers	2020 12/31/2030		ACTIVE
C57.12.80 Individual	IEEE Standard Terminology for Power and Distribution Transformers	James Graham (412) 478 - 4450 jimgraham@ieee.org	2010 12/31/2020	3/23/2017 INACTIVE-RESERVED+PAR for Revision+1 PAR Extension
PC57.12.80			12/31/2023	
C57.12.90 Individual	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	2021 12/31/2031		ACTIVE This standard is under continuous revision
C57.144 Individual	Guide for Metric Conversion of Transformer Standards	2004 12/31/2020		INACTIVE-RESERVED This was to be incorporated into P947 but this project has been withdrawn. This needs to be reviewed in light of SCC 14 documents.
C57.152 Individual	IEEE Guide for Diagnostic Field Testing of Fluid-Filled Power Transformers, Regulators, and Reactors	Marcos Ferreira (971) 703 - 0777 mdferreira@comcast.net	2013 12/31/2023	6/13/2019 ACTIVE + PAR for Revision
PC57.152			12/31/2023	
C57.163 Individual	IEEE Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances	Daniel Blaydon (410) 470 - 8827 dblaydon@ieee.org	2015 12/31/2025	3/5/2020 ACTIVE + PAR for Revision Corrigenda 1 will be included with this Revision. C57.163-2015-Corrigenda 1 will be allowed to expire.
PC57.163			12/31/2024	

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STANDARD BALLOT TYPE PROJECT	Working Group Chair Phone Email	Approved Year Rev Due Date	PAR Issue Date PAR Expiration	Standard Status Remark
SubCommittee SUBSURFACE TRANSFORMERS & NETWORK PROTECTORS				
CHAIR: George Payerle gpayerle@roadrunner.com (330) 908 - 0418				
Individual PC57.12.53	IEEE Guide for Mitigating Corrosion on Subsurface Transformers and Network Protectors William Elliot (318) 286-2868 will.elliott@alumni.lsu.edu		2/23/2022 12/31/2026	Active PAR
Individual C57.12.23	IEEE Standard for Submersible Single-Phase Transformers:250 kVA and Smaller; High Voltage 34 500 GrdY/19 920 V and Below; Low Voltage 600 V and Below	2018	12/31/2028	ACTIVE
Individual PC57.12.24	IEEE Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below Benjamin Garcia (714) 895-0787 benjamin.garcia@sce.com	2016	2/8/2019 12/31/2026 12/31/2023	ACTIVE + PAR for Revision
Individual PC57.12.40	IEEE Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed) David Blew (973) 430-7743 david.blewiv@pseg.com	2017	5/21/2019 12/31/2027 12/31/2023	ACTIVE + PAR for Revision
Individual PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors Mark Faulkner (864) 993-0509 markafaulkner@eaton.com	2014	3/26/2015 12/31/2024 12/31/2022	ACTIVE + PAR for Revision + 1 PAR Extension Ballot closed on 10/13/2021. Currently in Comment Resolution.
Individual C57.12.57	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	1992	12/31/2000	INACTIVE-RESERVED