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		
65700-19-03 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 SA BALLOT RECIRCULATION: Closed 6/15/2024 with no comments.
C57.19.00 Individual	IEEE Standard General Requirements and Test Procedure for Power Apparatus Bushings		2023 **12/31/2033**		ACTIVE
C57.19.01 Individual PC57.19.01	IEEE Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings	Shibao Zhang (585) 768-1273 szhang@hubbell.com	2017 **12/31/2027**	5/22/2024 **12/31/208**	ACTIVE + PAR for Revision
C57.19.02 Individual	Standard for Design and Performance Requirements for Bushings Applied to Liquid Immersed Distribution Transformers		2023 **12/31/2033**		ACTIVE
C57.19.04 Individual PC57.19.04	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	Scott Digby (919) 546 - 5798 scott.digby@duke-energy.com	2018 **12/31/2028**	9/16/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.19.100 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 **12/31/2025**	INACTIVE-RESERVED PAR for Revision+1 PAR Extension

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:	**Dr. Poorvi Patel**	ppatel@epri.com	(704) 232 - 4551		
C57.113 Individual	IEEE Guide for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors		2023 **12/31/2033**		ACTIVE
C57.12.200 Entity	IEEE Guide for the Frequency Domain Spectroscopy Measurement of Transformer Bushings		2022 **12/31/2032**		ACTIVE
C57.127 Individual PC57.127	IEEE Guide for the Detection, Location and Interpretation of Sources of Acoustic Emissions from Electrical Discharges in Power Transformers and Power Reactors	Dellev Gross +49 (241) 98091740 gross@ieee.org	2018 **12/31/2028**	2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.138 Individual PC57.138	IEEE Recommended Practice for Routine Impulse Test for Distribution Transformers	Hakan Sahin (208) 220-6963 hakanshaun@gmail.com	2016 **12/31/2026**	6/16/2022 **12/31/2026**	ACTIVE + PAR for Revision
C57.160 Individual	Draft Guide for the Electrical Measurement of Partial Discharges in High Voltage Bushings and Instrument Transformers		2023 **12/31/2033**		ACTIVE
C57.161 Individual PC57.161	IEEE Guide for Dielectric Frequency Response Test	Evgenii Ermakav evgenii@ieee.org	2018 **12/31/2028**	5/22/2024 **12/31/2026**	ACTIVE + PAR for Revision
C57.168 Individual	IEEE Guide for Low Frequency Dielectric Testing for Distribution, Power and Regulating Transformers		2023 **12/31/2033**		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 **12/31/2024**	INACTIVE-RESERVED + PAR Revision+ 1PAR Extension SA PREBALLOT: Invitation to close on 10/27/2024. Chair has requested 2 year PAR extension and this is on REVCOM agenda

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:	**Jerry Murphy**	jerry.murphy@ieee.org (407) 824 - 4194			
C57.12.20 Individual	IEEE 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		2023 **12/31/2033**		ACTIVE
C57.12.28 Individual	IEEE Standard for Pad Mounted Equipment - Enclosure Integrity		2023 **12/31/2033**		ACTIVE
C57.12.29 Individual	IEEE Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments		2023 **12/31/2033**		ACTIVE CO-STD-COM – Switchgear
C57.12.30 Individual	IEEE Standard for Pole-Mounted Equipment - Enclosures for Coastal Environment		2020 **12/31/2030**		ACTIVE CO-STD-COM – Switchgear
C57.12.31 Individual	IEEE Standard for Pole Mounted Equipment - Enclosure Integrity		2020 **12/31/2030**		ACTIVE CO-STD-COM – Switchgear
C57.12.32 Individual PC57.12.32	IEEE Standard for Submersible Equipment - Enclosure Integrity	Daniel Mulkey (707) 776 - 7346 dhmulkey@ieee.org	2019 **12/31/2029**	12/6/2023 **12/31/2027**	ACTIVE + PAR for Revision
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 sdshull@ieee.org	2022 **12/31/2032**	2/15/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.12.35 Individual	IEEE Standard Bar Coding for Distribution Transformers and Step-Voltage Regulators		2024 **12/31/2034**		ACTIVE

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SubCommittee **DISTRIBUTION TRANSFORMERS**					
CHAIR:	**Jerry Murphy**	jerry.murphy@ieee.org	(407) 824 - 4194		
C57.12.36 **Individual** PC57.12.36	IEEE Standard Requirements for Liquid-Immersed Distribution Substation Transformers	Jerry Murphy (407) 824 - 4194 jerry.murphy@ieee.org	2017 **12/31/2027**	6/29/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.12.37 **Individual** PC57.12.37	IEEE Standard for the Electronic Reporting of Transformer Test Data	Alan Traut (601) 422 - 1198 atraut@ieee.org	2015 **12/31/2025**	2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision
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 **12/31/2025**	ACTIVE + PAR for Revision + 2 PAR Extension Main Document PAR shown. Corrigenda PAR is currently active until 2024 but will be allowed to expire. SA BALLOT: Closed 3/8/2023 with 96 comments to resolve. Currently in comment resolution.
C57.12.39 **Individual** PC57.12.39	IEEE Standard for Requirements for Distribution Transformer Tank Pressure Coordination	Carlos Gaytan 52 818 030 - 2162 gaytan@ieee.org	2017 **12/31/2027**	2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.15 **Individual** PC57.12.39	IEEE Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators	Daniel Sauer (262) 896 - 2417 dmsauer@mtu.edu	2017 **12/31/2027**	2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.167 **Individual**	IEEE Guide for Monitoring Distribution Transformers		2023 **12/31/2033**		ACTIVE
C57.210 **Entity**	IEEE Recommended Practice for On-load Capacity Switching Distribution Transformers		2024 **12/31/2033**		ACTIVE ORGINALLY AN ENTITY STD. THIS NOW HAS THE OPORTUNITY TO BE CHANGED TO INDIVIDUAL STD ORGINAL TCR: Jerry Murphy

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		
259 Individual P259	IEEE Standard Test Procedure for Evaluation of Systems of Insulation for Dry-Type Specialty and General-Purpose Transformers	David Stankes (512) 984 - 5026 dsstankes@mmm.com	1999 **12/31/2020**	12/3/2020 **12/31/2026**	INACTIVE-RESERVED+ PAR for Revision+1PAR extension. Standard was allowed to expire by the SC. However, when revising IEEE C57.12.60, the need for this standard was recognized.
C57.12.01 Individual PC57.12.01	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.
C57.12.51 Individual	IEEE Guide for Mechanical Interchangeability of Ventilated Dry-Type Transformers		2019 **12/31/2029**		ACTIVE
C57.12.52 Individual	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		2024 **12/31/2034**		ACTIVE
C57.12.58 Individual PC57.12.58	IEEE Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil	Ken Kline ken.klein@kearsargepower.com	2017 **12/31/2027**	5/22/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.12.59 Individual PC59.12.59	IEEE Guide for Dry-Type Transformer Through-Fault Current Duration	Paul Weyandt paul.weyanandt@se.com	2015 **12/31/2025**	6/16/2022 **12/31/2026**	ACTIVE + PAR for Revision
C57.12.60 Individual	IEEE Standard for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers		2020 **12/31/2030**		ACTIVE
C57.12.91 Individual PC57.12.91	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.

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 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 **12/31/2025**	INACTIVE-RESERVED +PAR for Revision+2PAR Extension — SA PREBALLOT: Invitation Complete 11/30/2023. For the next revision it has been proposed that C57.113 and this document be combined to reduce the effort.
C57.134 Individual — IEEE Guide for Determination of Hottest Spot Temperature in Dry Type Transformers		2024 **12/31/2034**		ACTIVE
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 **12/31/2024**	INACTIVE-RESERVED +PAR for Revision+2PAR Extension — SA BALLOT: Closes on 10/17/2024 Chair to submit a PAR extension as per email 10/11/2024
C57.94 Individual PC57.94 — IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers	Ken Kline ken.klein@kearsargepower.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 — SA PREBALLOT: Invitation to close 10/16/2024

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	
Entity PC57.13.10	Draft Guide for Calibration of Energized Current Transformers for 34.5 kV and Below	Yunguo Yang …. 77766711@qq.com		3/22/2022 **12/31/2026**	Active PAR TCR: Thomas Sizemore
Individual PC57.13.9	Draft Standard for Power-Line Carrier Coupling Capacitors and Coupling Capacitor Voltage Transformers	Zoltan Roman (706) 360 - 4964 zoltan.roman@ge.com		3/23/2017 **12/31/2024**	Active PAR + 2 PAR Extension SA BALLOT: Closed 10/21/2022 with 662 comments to resolve. Currently in Comment Resolution. Chair to submit a PAR extension as per email 10/11/2024. CO-STD-COM – PSCC
C57.13 **Individual** PC57.13	IEEE Standard Requirements for Instrument Transformers	David Wallace (662) 325 - 2009 daweleceng@aol.com	2016 **12/31/2026**	3/24/2022 **12/31/2026**	ACTIVE + PAR for Revision
C57.13.2 **Individual**	IEEE Conformance Test Procedure for Instrument Transformers		2005 **12/31/2020**		INACTIVE-RESERVED
C57.13.5 **Individual**	IEEE Standard of Performance and Test Requirements for Instrument Transformers of a Nominal System Voltage of 115 kV and Above		2019 **12/31/2029**		ACTIVE
C57.13.6 **Individual**	IEEE Standard for High Accuracy Instrument Transformers		2005 **12/31/2020**		INACTIVE-RESERVED To be combined into C57.13 and no longer maintained.
C57.13.7 **Individual**	IEEE Standard for Current Transformers with Maximum Milliampere Secondary Current of 250 mA		2018 **12/31/2028**		ACTIVE
P63253-5713-8 **Individual**	IEC/IEEE Standard Requirements for Station Service Voltage Transformers		2024 **12/31/2034**		ACTIVE

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:	**Stephaney Mabrey**	stephanie.mabrey@avodiagnostics.com (214) 502 - 2969			
Individual PC57.166	Draft Guide for Acceptance and Maintenance of Insulating Liquids in Transformers and Related Equipment	Thomas Prevost (802) 751 - 3458 tprevost@ieee.org		3/8/2018 **12/31/2024**	Active PAR + 1 PAR Extension This Standard will combine C57.106, C57.111, C57.121 and C57.147 plus added content. SA BALLOT: Closed 3/16/2024 with 352 comments to resolve. Chair plans to submit PAR extension as per email 10/11/2024.
C57.104 Individual PC57.104	IEEE Guide for the Interpretation of Gases Generated in Mineral Oil-Immersed Transformers	Ed teNyenhuis (416) 270 - 9026 edt@ieee.org	2019 **12/31/2029**	5/22/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.106 Individual	IEEE Guide for Acceptance and Maintenance of Mineral Insulating Oil in Electrical Equipment		2015 **12/31/2025**		ACTIVE This will be contained in the new C57.166 standard.
C57.111 Individual	IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers		1989 **3/19/2019**		INACTIVE-RESERVED This will be contained in the new C57.166 standard.
C57.121 Individual	IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers		1998 **12/9/2019**		INACTIVE-RESERVED This will be contained in the new C57.166 standard.
C57.130 Individual PC57.130	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	Bruce Forsyth (405) 473 - 8300 bruce.forsyth@ieee.org	2015 **12/31/2025**	3/24/2022 **12/31/2026**	ACTIVE - PAR for Revision
C57.139 Individual PC57.139	IEEE Guide for Dissolved Gas Analysis in Transformer Load Tap Changers	Rainer Frotscher r.frotscher@reinhausen.com	2015 **12/31/2025**	3/24/2022 **12/31/2026**	ACTIVE - PAR for Revision
C57.146 Individual PC57.146	IEEE Guide for Interpretation of Gasses Generated in Silicone-Immersed Transformers	Paul Boman (785) 256 - 7161 paul_boman@hsb.com	2005 **12/31/2021**	3/5/2020 **12/31/2026**	INACTIVE-RESERVED +PAR for Revision+1PAR extension

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: Stephaney Mabrey	stephanie.mabrey@avodiagnostics.com (214) 502 - 2969			
C57.147 Individual	IEEE Guide for Acceptance and Maintenance of Natural Insulating Liquid in Transformers	2018 **12/31/2028**		ACTIVE This will be contained in the new C57.166 standard.
C57.155 Individual PC57.155	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 **12/31/2025**	ACTIVE + PAR for Revision
C57.637 Individual PC57.637	IEEE Guide for the Reclamation of Mineral Insulating Oil and Criteria for Its Use	Stephanie Mabrey (214) 502 - 2969 stephaniemabrey@avodiagnostics.com 2015 **12/31/2025**	9/23/2021 **12/31/2025**	ACTIVE + PAR for Revision

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	Draft 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 **12/31/2024**	Active PAR + 4 PAR Extensions SA BALLOT: Closed 10/21/22 with 808 comments to resolve. Currently in Comment Resolution. Chair to submit a PAR extension as per email 10/11/2024
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.com	2020 **12/31/2030**	3/23/2022 **12/31/2026**	ACTIVE + PAR for Amendment Amendment: Update to Annex B and corresponding reference in Annex D.
1538 Individual	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid Filled Transformer		2000 **12/31/2021**		INACTIVE-RESERVED 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**		INACTIVE-RESERVED Please note that this document will be allowed to go inactive as it is being replaced by C57.169.
C57.100 Individual	IEEE Standard Test Procedure for Thermal Evaluation of Liquid-Immersed Distribution and Power Transformers		2022 **12/31/2032**		ACTIVE
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	IEEE Standard for Liquid-Immersed Transformers Designed to Operate at Temperatures Above Conventional Limits Using High-Temperature Insulation Systems		2022 **12/31/2032**		ACTIVE
C57.165 Individual	IEEE Guide for Temperature Measurements for Liquid Immersed Transformers and Reactors		2024 **12/31/2034**		ACTIVE

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SubCommittee **INSULATION LIFE**

CHAIR: **Samuel Sharpless** slsharpless@rimkus.com (407) 661 - 1245

C57.169 **Individual**	IEEE Guide for Determination of Maximum Winding Temperature Rise in Liquid-Immersed Transformers		2023 **12/31/2033**		ACTIVE
C57.91 **Individual** **PC57.91**	IEEE Guide for Loading Mineral-Oil-Immersed Transformers and Step-Voltage Regulators	David Wallach (980) 373 - 4167 david.wallach@duke-energy.com	2011 **12/31/2021**	9/28/2017 **12/31/2025**	INACTIVE-RESERVED+PAR for Revision+1 PAR Extension SA BALLOT: Closed 2/14/2024 with 448 comments to resolve. Currently in Comment Resolution

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SubCommittee **PERFORMANCE CHARACTERISTICS**

CHAIR: Rogerio Verdolin roger.verdolin@ieee.org (403) 850 - 4304

Entity C57.32.10	Draft Guide for the Selection of Neutral-Grounding Devices for High Voltage Direct Current (HVDC) Converter Transformers	Zhang Hua zhanghua002@163.com	10/30/2018 **12/31/2024**	Active PAR SA BALLOT: Second Recirculation to close 10/13/2024 TCR: Rogerio Verdolin	
Entity PC57.141	Draft 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 TCR: Poori Patel	
Individual PC57.151	Draft Guide for the Evaluation of the Environmental Impact and Life Cycle Assessment of Transformers and Shunt Reactors	Jerzy Kazmierczak jerzy.kazmierczak@hitachienergy.com	9/26/2024 **12/31/2028**	Active PAR	
60076-16 **Individual**	IEC/IEEE International Standard - Power transformers - Part 16: Transformers for wind turbine applications		2018 **12/31/2028**	ACTIVE	
C57.105 **Individual**	IEEE Guide for Application of Transformer Connections in Three-Phase Distribution Systems		2019 **12/31/2029**	ACTIVE	
C57.105/COR 1 **Individual**	IEEE Guide for Application of Transformer Connections in Three-Phase Electrical Systems - 2019 STD Corrigendum 1 Update Table 1—Application characteristics of connections		2023 **12/31/2033**	ACTIVE	
C57.109 **Individual**	IEEE Guide for Liquid-Immersed Transformers Through-Fault-Current Duration		2018 **12/31/2028**	ACTIVE	
C57.110 **Individual**	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	
C57.120 **Individual**	IEEE Guide for Loss Evaluation of Distribution and Power Transformers and Reactors		2017 **12/31/2027**	ACTIVE	

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SubCommittee **PERFORMANCE CHARACTERISTICS**					
CHAIR:	**Rogerio Verdolin**	roger.verdolin@ieee.org	(403) 850 - 4304		
C57.123 Individual	IEEE Guide for Transformer Loss Measurement		2019 **12/31/2029**		ACTIVE
C57.136 Individual	IEEE Guide for Sound Level Abatement and Determination for Liquid- Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA		2023 **12/31/2033**		ACTIVE
C57.142 Individual PC57.142	IEEE 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 **12/31/2025**	INACTIVE-RESERVED+PAR Revision+2 PAR Extensions SA BALLOT: Closed on 4/27/22 with 305 comments to resolve. Currently in Comment Resolution. CO-STD-COM – Switchgear
C57.149 Individual	IEEE Guide for the Application and Interpretation of Frequency Response Analysis for Oil Immersed Transformers		2024 **12/31/2034**		ACTIVE
C57.158 Individual PC57.158	IEEE Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers	Enrique Betancourt 52 818 030 - 2135 ebetanco@ieee.org	2017 **12/31/2027**	6/29/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.159 Individual PC57.159	IEEE Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Generation Systems	Hemchandra Shertukde (860) 768 - 4847 shertukde@hartford.edu	2016 **12/31/2026**	2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.164 Individual	IEEE Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors		2021 **12/31/2031**		Active
C57.18.10 Individual	IEEE Standard Practices and Requirements for Semiconductor Power Rectifier Transformers		2021 **12/31/2031**		ACTIVE

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SubCommittee **PERFORMANCE CHARACTERISTICS**					
CHAIR:	**Rogerio Verdolin**	roger.verdolin@ieee.org	(403) 850 - 4304		
C57.21 Individual	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA		2021 **12/31/2031**		ACTIVE
C57.32 Individual PC57.32	IEEE Standard Requirements, Terminology, and Testing Procedures for Neutral Grounding Devices	Sheldon Kennedy (716) 896 - 6500 skennedy@niagaratransformer.com	2015 **12/31/2025**	2/15/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.32a Individual	IEEE Standard for Requirements, Terminology, and Test Procedure for Neutral Grounding Devices--Amendment 1: Neutral Grounding Resistors Clause (AM)		2020 **12/31/2025**		ACTIVE TO BE INCLUDED IN THE NEW REVISION OF C57.32.

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SubCommittee **POWER TRANSFORMERS**

CHAIR: Ryan Musgrove ryan.musgrove@ieee.org (405) 747 - 7960

Entity PC57.145	Draft Guide for Digital Twin Modeling and Analysis of Power Transformers with High Voltages 69 kV up to 161 kV	Jiayu Wang wjy911106@163.com		6/5/2023 **12/31/2027**	ACTIVE PAR TCR: Brian Sparlin
Individual PC57.170	Draft Guide for the Condition Assessment of Liquid Immersed Transformers, Reactors and Their Components	Kumar Mani (919) 546 - 2791 kumar.mani@duke-energy.com		9/5/2019 **12/31/2025**	ACTIVE + PAR Revision + 1 PAR Extension SA BALLOT: Closed on 10/02/2024 with 171 coment to resolve. Currently in comment resolution.
Entity PC57.20	Draft Guide for Power Transformers for Low-frequency (10 Hz to 30 Hz) Power Transmission	Haojun Liu liu_haojun@zj.sgcc.com.cn		2/15/2024 **12/31/2028**	Active PAR TCR: Sheldon Kennedy
Entity PC57.93a	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 SA BALLOT: CLOSES ON 10/17/2024 Chair states that if there are no comments, it will be submitted to REVCOM. If comments are present, will submit PAR extension request. All as per email 10/11/2024. TCR: Scott Reed
60076-16 **Individual** NONE	Power Transformers - Part 16: Transformers for Wind Turbine Application		2018 **12/31/2028**		ACTIVE
60076-57-1202 **Individual** PC60076-57-120	IEC/IEEE International Standard Power transformers --Part 57-1202: Liquid immersed phase-shifting transformers	Ewald Schweiger	2024 **12/31/2028**	9/26/2024 **12/31/2028**	ACTIVE + PAR for Revision
60214-2 **Individual**	IEEE Draft Standard for Tap-Changers - Part 2: Application Guide		2019 **12/31/2029**		ACTIVE
638 **Individual** P638	IEEE Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations	Craig Swinderman (724) 816 - 4476 craig.swinderman@meppi.com	2013 **12/31/2023**	12/6/2023 **12/31/2027**	ACTIVE + PAR for Revision

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		
C57.107 Individual	IEEE 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		2024 **12/31/2034**		ACTIVE
C57.116 Individual	IEEE Guide for Transformers Directly Connected to Generators		2022 **12/31/2032**		ACTIVE
C57.12.10 Individual PC57.12.10	IEEE Standard Requirements for Liquid-Immersed Power Transformers		2017 **12/31/2027**	9/26/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.125 Individual PC57.125	IEEE Guide for Failure Investigation, Documentation, Analysis, and Reporting for Power Transformers and Shunt Reactors	Hakan Sahin (208) 220-6963 hakanshaun@gmail.com	2015 **12/31/2025**	5/21/2021 **12/31/2025**	ACTIVE+ PAR for Revision
C57.131 Individual	IEEE Standard Requirements for Tap Changers		2024 **12/31/2034**		ACTIVE
C57.135 Individual PC57.135	IEEE Guide for the Application, Specification and Testing of Phase- Shifting Transformers	Ewald Schweiger	2011 **12/31/2021**	6/16/2022 **12/31/2026**	INACTIVE-RESERVED + PAR for Revision
C57.140 Individual	IEEE Guide for Evaluation and Reconditioning of Liquid Immersed Power Transformers		2017 **12/31/2027**		ACTIVE
C57.143 Individual PC57.143	IEEE Guide for Application for Monitoring Equipment to Liquid-Immersed Transformers and Components	Mike Spurlock (614) 933 - 2284 mspurlock@ieee.org	2012 **12/31/2022**	2/17/2017 **12/31/2025**	INACTIVE-RESERVED + PAR Revision+ 1 PAR extension SA BALLOT: Closed 6/11/23 with 572 comments to resolve. Currently in Comment Resolution.

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SubCommittee **POWER TRANSFORMERS**					
CHAIR:	**Ryan Musgrove**	ryan.musgrove@ieee.org	(405) 747 - 7960		
C57.148 Individual	IEEE Standard for Control Cabinets for Power Transformers		2020 **12/31/2030**		ACTIVE
C57.150 Individual	IEEE Guide for the Transportation of Transformers and Reactors Rated 10 000 kVA or Higher		2023 **12/31/2033**		ACTIVE
C57.153 Individual PC57.153	IEEE Guide for Paralleling Power Transformers	Mark Tostrud (262) 746 - 1230 mark.tostrud@dynamicratings.com	2015 **12/31/2025**	11/8/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.156 Individual PC57.156	IEEE Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors	Peter Zhao (416) 345 - 5926 peter.zhao@hydroone.com	2016 **12/31/2026**	6/5/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.157 Individual PC57.157	IEEE Guide for Conducting Functional Life Tests on Switch Contacts Used in Insulating Liquid--Immersed Transformers	Adam Sewell (330) 872 - 5707 adamsewell@qualityswitch.com	2015 **12/31/2025**	6/5/2023 **12/31/2027**	ACTIVE + PAR for Revision
C57.17 Individual PC57.17	IEEE Standard Requirements for Arc Furnace Transformers	Domenico Corsi transkraft@neo.rr.com	2012 **12/31/2022**	6/5/2023 **12/31/2027**	INACTIVE-RESERVED + PAR for Revision
C57.93 Individual PC57.93	IEEE Approved Draft Guide for Installation and Maintenance of Liquid-Immersed Power Transformers	Scott Reed (330) 498 - 6259 sreed@mvadiagnostics.com	2019 **12/31/2029**	5/22/2024 **12/31/2028**	ACTIVE +PAR for Revision

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		
Individual PC57.133	Draft Guide for Evaluating Transformer Performance under Reverse Power Flow	Ryan Hogg rhogg@ieee.org		5/22/2024 **12/31/2028**	Active PAR
Individual PC57.151	Draft Guide for the Evaluation of the Environmental Impact and Life Cycle Assessment of Transformers and Shunt Reactors			9/26/2024 **12/31/2028**	Active PAR
C57.12.00 Individual PC57.12.00	IEEE Standard for General Requirements For Liquid-Immersed Distribution, Power, and Regulating Transformers	Eric Davis (816) 760 - 2627 edavis@burnsmcd.com	2021 **12/31/2031**	5/13/2022 **12/31/2026**	ACTIVE - PAR for Revision 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 PC57.12.80	IEEE Standard Terminology for Power and Distribution Transformers	Daniel Sauer (262) 896 - 2417 dmsauer@mtu.edu	2010 **12/31/2020**	3/23/2017 **12/31/2025**	INACTIVE-RESERVED+PAR for Revision+2 PAR Extension ON REVCOM AGENDA (12/10/2024)
C57.12.90 Individual PC57.12.90	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	Stephen Antosz (412) 498 - 3916 santosz@ieee.org	2021 **12/31/2031**	5/13/2022 **12/31/2026**	ACTIVE - PAR for Revision This standard is under continuous revision
C57.144 Individual	IEEE 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 QUSCOM (formerly SCC14) documents.
C57.152 Individual PC57.152	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 **12/31/2025**	ACTIVE + PAR Revision + 1 PAR Extension SA BALLOT:Closed on 10/4/2024 with 122 comments to resolve. Currently in Comment Resolution.

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

C57.163 **Individual**	IEEE Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances	2023 **12/31/2033**	ACTIVE

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SubCommittee **SUBSURFACE TRANSFORMERS & NETWORK PROTECTORS**

CHAIR: **George Payerle** georgepayerle@gmail.com (330) 908 - 0418

Individual PC57.12.53	Draft Guide for Mitigating Corrosion on Subsurface Transformers and Network Protectors	William Elliott (318) 286-2868 will.elliott@alumni.lsu.edu		2/23/2022 **12/31/2026**	Active PAR
C57.12.23 Individual PC57.12.23	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	Alan Traut (601) 422 - 1198 atraut@ieee.org	2018 **12/31/2028**	2/5/2024 **12/31/2028**	ACTIVE + PAR for Revision
C57.12.24 Individual	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		2023 **12/31/2033**		ACTIVE
C57.12.40 Individual	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)		2024 **12/31/2034**		ACTIVE
C57.12.44 Individual PC57.12.44	IEEE Standard Requirements for Secondary Network Protectors	Mark Faulkner (864) 993-0509 markafaulkner@eaton.com	2014 **12/31/2024**	3/26/2015 **12/31/2024**	ACTIVE + PAR for Revision + 3 PAR Extension SA BALLOT: Second Recirculation to close on 10/14/24
C57.12.57 Individual	IEEE 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 THIS STANDARD WILL STAY IN THE "INACTIVE-RESERVED" STATUS AND WILLL NOT BE REVISED DUE TO LOW USE OF THIS PRODUCT.

STANDARD / BALLOT TYPE / PROJECT		Working Group Chair / Phone / Email	Approved Year / Rev Due Date	PAR Issue Date / PAR Expiration	Standard Status / Remark

SubCommittee **TRANSFORMERS AND REACTORS FOR HVDC APPLICATIONS**

CHAIR: **Ulf** **Radbrandt** ulf.radbrandt@ieee.org 4 (624) 078 - 3357

Entity PC57.132	Draft Guide for Vibration Testing of Oil-immersed High-voltage Direct Current (HVDC) Converter Transformer (±160 kV dc to ±1100 kV dc)	Dr Jun Deng 13822116195@139.com	3/30/2023 **12/31/2027**	Active PAR TCR: Ulf Radbrandt
1277 **Individual**	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 **12/31/2030**		ACTIVE
60076-57-129 **Individual** PC60076-57-129	IEC/IEEE International Standard - Power transformers--Part 57-129: Transformers for HVDC applications	Waldemar Ziomek (204) 474 - 5739 wziomek@ptitransformers.com	2017 **12/31/2027** 2/15/2024 **12/31/2028**	ACTIVE + PAR for Revision