

DATE: October 20, 2002
TO: Members of IEEE Transformers Committee
FROM: Tom Prevost, Standards Subcommittee Chair
SUBJECT: Standards Activities since the April, 2002 Meeting

TRANSFORMERS STANDARDS AND COORDINATION ACTIVITIES

The transformers standards status is given with two attachments:

Attachment 1 is a list of all the C57 standards, including ANSI C57 standards, sorted by Subcommittee names. It contains a listing of the projects for which a Subcommittee is responsible, and coordination activities with other PES Committees. The standards that are not assigned yet, or do not belong to the Transformers committee, are listed under the Standards Subcommittee. For the publication of the Transformers Committee minutes, this attachment will be sorted by Subcommittee names, and each section will accompany the corresponding Subcommittee report.

Attachment 2 is a report of coordination activity on standards belonging to other PES Committees. This attachment is sorted by PES Committee names.

DOCUMENTS SUBMITTED TO THE STANDARDS BOARD

**IEEE-SA Standards Board
New Standards Committee (NesCom)
Recommendations**

1 May 2002

NEW PARS

PC57.12.28 (PE/TR) Standard for Pad Mounted Equipment - Enclosure Integrity

Recommendation: Approve new PAR until December 2006.

PC57.12.29 (PE/TR) Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments

Recommendation: Approve new PAR until December 2006.

12 June 2002

TARGET EXTENSION REQUESTS

PC57.12.33 (PE/TR) Guide for Distribution Transformer Loss Evaluation

Recommendation: Approve target extension request until December 2004.

11 September 2002

TARGET EXTENSION REQUESTS

PC57.12.34 (PE/TR) 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

Recommendation: Approve target extension request until December 2004.

PARS FOR REVISIONS OF STANDARDS

PC57.98 (PE/TR) Guide for Transformer Impulse Tests

Recommendation: Approve PAR for the revision of a standard until December 2006 (9 approve, 0 disapprove, 2 abstain).

IEEE-SA STANDARDS BOARD REVIEW COMMITTEE (RevCom) RECOMMENDATIONS

12 June 2002

NEW

PC57.123/D1.8 (PE/TR) Guide for Transformer Loss Measurement

Recommendation: APPROVE [vote: yes=9; no=0; abstain=1]

REVISION

PC57.12.23/D4 (PE/TR) Standard for Underground Type, Self-Cooled, Single-Phase, Distribution Transformers with Separable Insulated High-Voltage Connectors; High Voltage 25000 V and Below; Low Voltage 600 V and Below; 167 kVA and Smaller

Recommendation: APPROVE

PC57.106/D7 (PE/TR) Guide for Acceptance and Maintenance of Insulating Oil in Equipment

Recommendation: APPROVE [vote: yes=8; no=0; abstain=2]

REAFFIRMATION

C57.12.58-1991 (R1996) (PE/TR) IEEE Guide for Conducting a Transient Voltage Analysis of a Dry-Type Transformer Coil

Recommendation: APPROVE

C57.124-1991 (R1996) (PE/TR) IEEE Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry-Type Transformers

Recommendation: APPROVE

11 September 2002

NEW

PC57.12.31/D1.4 (PE/TR) Standard for Pole Mounted Equipment - Enclosure Integrity

Recommendation: APPROVE [vote: yes=10; no=0; abstain=1 (Thompson)]

PC57.12.32/D4.3 (PE/TR) Standard for Submersible Equipment - Enclosure Integrity

Recommendation: APPROVE [vote: yes=10; no=1 (Thompson); abstain=0]

PARs to be Withdrawn

This is the final notice that you will receive regarding the expiration of the project(s) shown below. If the extension request for the project(s) is not received by 1 November 2002 or is not submitted to RevCom for final approval by the same date, the project(s) will be administratively withdrawn at the 11 December 2002 Standards Board meeting. For instructions on how to request an extension, please see the e-mail below.

Please feel free to contact me if you have any questions.

Best regards,

Jodi Haasz

Senior Administrator

IEEE-SA Governance and Electronic Processes

Standards Activities

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This letter is to advise you that the projects listed below will expire at the end of 2002 and action will be required.

- PC57.104 Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers

- PC57.113 Recommended Practice for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

- PC57.12.25 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

- PC57.12.80 Standard Terminology for Power and Distribution Transformers

- PC57.13 Standard Requirements for Instrument Transformers

- PC57.133 Guide for Short Circuit Testing of Distribution and Power Transformers

- PC57.19.00 Standard General Requirements and Test Procedure for Power Apparatus Bushings

If the projects will not be submitted to RevCom in time for the December 2002 meeting, you have the following options:

1. Request an extension for the projects. The Target Extension Request Form can be found at <http://standards.ieee.org/guides/par/extension.html>. Please note that this extension request can now be from one to four years.

2. Request withdrawal of the projects.

Please advise me in writing of the action that should be taken. This

information will be placed on the agenda of the next scheduled NesCom meeting (based upon the date I receive the request), and NesCom will make its recommendation based upon the information provided.

If there is no response to this letter by 1 November 2002, the projects will be recommended for administrative withdrawal at the 11 December 2002 IEEE-SA Standards Board meeting.

If you should have any further questions, please contact me at 732-562-6367 or by e-mail at j.haasz@ieee.org.

Standards to be Withdrawn

PE/TR has some standards that are due for their 5-year review by the end of 2002. {Standards have a five-year lifespan.} An action is required of the Sponsor. Available choices:

- a) reaffirm
- b) revise
- c) extend
- d) withdraw

I MUST RECEIVE A RESPONSE BY THE 1 NOVEMBER 2002 SUBMITTAL DEADLINE (FOR THE DECEMBER 2002 STANDARDS BOARD MEETING SERIES). IF NO RESPONSE IS RECEIVED, THE STANDARDS IN QUESTION WILL BE PLACED ON THE AGENDA FOR ADMINISTRATIVE WITHDRAWAL.

If the Sponsor chooses to revise or reaffirm and the action cannot be completed by the submittal deadline, please send me an email requesting an extension of the life of the current standard and notification of the actions that are being taken. {Please let me know approximately when the reaffirmation will be submitted; or when the PAR for revision will be submitted to NesCom and the estimated completion date for the revision project.}

If there is no further interest in a standard and the Sponsor wishes it to be withdrawn, you do not need to ballot. It will be administratively withdrawn in December 2002. {Please note that standards that are administratively withdrawn can no longer be reinstated via reaffirmation. The only method for reinstating an administratively withdrawn standard is to initiate a revision process, starting with a PAR.}

The standards in question are:

637-1985 IEEE Guide for the Reclamation of Insulating oil and Criteria for Its Use

1276-1997 IEEE Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers

C57.12.35-1996 IEEE Standard for Bar Coding for Distribution Transformers

C57.13-1993 IEEE Standard Requirements for Instrument Transformers

{Note: The PAR for PC57.13 is due to expire in December 2002. Please contact Jodi Haasz [j.haasz@ieee.org 1-732-562-6367], NesCom Administrator, for action on PARs.}

C57.19.00-1991 (R1997) IEEE Standard general Requirements and Test Procedure for Outdoor Power Apparatus Bushings

{Note: The PAR for PC57.19.00 is due to expire in December 2002. Please contact Jodi Haasz [j.haasz@ieee.org 1-732-562-6367], NesCom Administrator, for action on PARs.}

C57.19.03-1996 IEEE Standard Requirements, Terminology, and Test Code for Bushings for DC Applications

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

C57.21-1990 (R1995) IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

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

{Note: The PAR for PC57.91-1995/Cor 1 may be affected. Please contact Jodi Haasz [j.haasz@ieee.org 1-732-562-6367], NesCom Administrator, for action on PARs.}

C57.104-1991 IEEE Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers

{Note: The PAR for PC57.104 is due to expire in December 2002. Please contact Jodi Haasz [j.haasz@ieee.org 1-732-562-6367], NesCom Administrator, for action on PARs.}

C57.111-1989 (R1995) IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers

C57.113-1991 IEEE Guide for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

{Note: The PAR for PC57.113 is due to expire in December 2002. Please contact Jodi Haasz [j.haasz@ieee.org 1-732-562-6367], NesCom Administrator, for action on PARs.}

C57.124-1991 (R1996) IEEE Recommended Practice for the Detection of Partial Discharge and the Measurement of Apparent Charge in Dry Type Transformers

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

NEXT STANDARDS BOARD MEETINGS AND SUBMITTAL DEADLINES

Meeting date

Deadline for Submittal of PAR (1) or Draft Standard (2)

December 9, 2002

November 1, 2002

March 18, 2002

February 7, 2003

- (1) A PAR must be sent to the Standards Subcommittee Chair before the stated deadline.
- (2) Standards must be submitted directly to the IEEE Standards Department by the Working Group Chair before the stated deadline to be considered at the next Standards board Meeting.

Note:

The PAR form has been revised. To locate the current PAR form please go to <http://standards.ieee.org/guides/par/index.html>. Also, a new Target Extension Request form is to be used for all extension requests for PARs and is located at <http://standards.ieee.org/guides/par/extension.html>.

Current List of ALL Open Standards Project (from IEEE Web site October 17 ,2002)

Designation: 1524

Sponsor: Power Engineering Society/Transformers

Title: Guide for the definition of Thermal Duplicate Liquid-Immersed Distribution, Power, and Regulating Transformers

Status: Superseded **This project has been superseded by PC57.145.

Technical Contact: Barry L Beaster, Phone:314-679-4838, Email:barry.beaster@us.abb.com

History: PAR APP: Jun 25, 1998

Designation: PC57.12.00

Sponsor: Power Engineering Society/Transformers

Title: Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers

Status: Revision Project

Technical Contact: Subhash C Tuli, Phone:262-547-0121x1428,

Designation: PC57.12.01

Sponsor: Power Engineering Society/Transformers

Title: Standard General Requirements for Dry-Type Distribution and Power Transformers Including Those with Solid Cast and/or Resin Encapsulated Windings

Status: Revision Project

Technical Contact: Anthony J Jonnatti, Phone:727-785-2788, Email:premo2@aol.com

History: PAR APP: Mar 18, 1999

Designation: PC57.12.10

Sponsor: Power Engineering Society/Transformers

Title: Standard Requirements for Liquid-Immersed Power Transformers

Status: New Standard Project

Technical Contact: Javier Arteaga, Phone:414-547-0121

History: PAR APP: Jun 13, 2002

Designation: PC57.12.20

Sponsor: Power Engineering Society/Transformers

Title: Standard for Overhead Type Distribution Transformers, 500 kVA and Smaller: High Voltage, 34500 Volts and Below; Low Voltage, 7970/13800Y Volts and Below

Status: Revision Project

Technical Contact: Glenn W Andersen, Phone:704-382-4323, Email:gwanders@duke-energy.com

History: PAR APP: Dec 6, 2001

Designation: PC57.12.25

Sponsor: Power Engineering Society/Transformers

Title: 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

Status: Revision Project

Technical Contact: John P Lazar, Phone:612-493-1608, Email:john.p.lazar@xcelenergy.com

History: PAR APP: Dec 8, 1998

Designation: PC57.12.28

Sponsor: Power Engineering Society/Transformers

Title: Standard for Pad Mounted Equipment - Enclosure Integrity

Status: New Standard Project

Technical Contact: Robert C Olen, Phone:262-835-3362, Email:rolen@cooperpower.com

History: PAR APP: May 9, 2002

Designation: PC57.12.29

Sponsor: Power Engineering Society/Transformers

Title: Standard for Pad Mounted Equipment - Enclosure Integrity for Coastal Environments

Status: New Standard Project

Technical Contact: Robert C Olen, Phone:262-835-3362, Email:rolen@cooperpower.com

History: PAR APP: May 9, 2002

Designation: PC57.12.33

Sponsor: Power Engineering Society/Transformers

Title: Guide for Distribution Transformer Loss Evaluation

Status: New Standard Project

Technical Contact: Thomas J Pekarek, Phone:330-761-7800, Email:tjpekarek@firstenergycorp.com

History: PAR APP: Jun 25, 1998

Designation: PC57.12.36

Sponsor: Power Engineering Society/Transformers

Title: Standard Requirements for Liquid-Immersed Distribution Substation Transformers

Status: New Standard Project

Technical Contact: John R Rossetti, Phone:901-528-4743, Email:jrossetti@mlgw.org

History: PAR APP: Jun 13, 2002

Designation: PC57.12.37

Sponsor: Power Engineering Society/Transformers

Title: Standard for the Electronic Reporting of Distribution Transformer Test Data

Status: Revision Project

Technical Contact: Jerry W Smith, Phone:228-865-5849, Email:jwsmith@southernco.com

Designation: PC57.12.90

Sponsor: Power Engineering Society/Transformers

Title: Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers

Status: Revision Project

Technical Contact: Subhash C Tuli, Phone:262-547-0121x1428,
Email:subhash.tuli@waukeshaelectric.spx.com

History: PAR APP: Jun 14, 2001

Designation: PC57.13

Sponsor: Power Engineering Society/Transformers

Title: Standard Requirements for Instrument Transformers

Status: Revision Project

Technical Contact: Thomas L Nelson, Phone:301-975-2986, Email:thomas.nelson@nist.gov

History: PAR APP: Jun 14, 1994

Designation: PC57.13.1

Sponsor: Power Engineering Society/Power System Relaying

Title: Guide for Field Testing of Relaying Current Transformers

Status: Revision Project

Technical Contact: M Meisinger, Phone:773-338-1000, Email:mmeisinger@sandc.com

History: PAR APP: Jun 25, 1998

Designation: PC57.15

Sponsor: Power Engineering Society/Transformers

Title: Standard Requirements, Terminology, and Test Code for Step-Voltage Regulators

Status: Revision Project

Technical Contact: Thomas Diamantis, Phone:315-428-5688, Email:diamantist@nimo.com

History: PAR APP: Dec 7, 2000

Designation: PC57.19.00

Sponsor: Power Engineering Society/Transformers

Title: Standard General Requirements and Test Procedure for Power Apparatus Bushings

Status: Revision Project

Technical Contact: Fred E Elliott, Phone:360-418-2607, Email:feelliott@bpa.gov

History: PAR APP: Jun 20, 1996

Designation: PC57.91-1995/Cor 1

Sponsor: Power Engineering Society/Transformers

Title: Corrigenda for C57.91-1995, Guide for Loading Mineral-Oil-Immersed Trasnformers

Status: New Standard Project

Technical Contact: Linden W Pierce, Phone:706-235-1805, Email:piercelw@aol.com

History: PAR APP: Mar 30, 2000

Designation: PC57.93

Sponsor: Power Engineering Society/Transformers

Title: Guide for Installation of Liquid-Immersed Power Transformers

Status: Revision Project

Technical Contact: Michael Lau, Phone:604-528-3201, Email:mike.lau@bchydro.bc.ca

History: PAR APP: Jun 13, 2002

Designation: PC57.98

Sponsor: Power Engineering Society/Transformers

Title: Guide for Transformer Impulse Tests

Status: Revision Project

Technical Contact: Arthur Molden, Phone:845-225-0993, Email:ameesco@worldnet.att.net

History: PAR APP: Sep 12, 2002

Designation: PC57.104

Sponsor: Power Engineering Society/Transformers

Title: Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers

Status: Revision Project

Technical Contact: Frank W Heinrichs, Phone:724-941-6924, Email:frankus@usaor.net

History: PAR APP: Dec 10, 1996

Designation: PC57.113

Sponsor: Power Engineering Society/Transformers

Title: Recommended Practice for Partial Discharge Measurement in Liquid-Filled Power Transformers and Shunt Reactors

Status: Revision Project

Technical Contact: Bertrand Poulin, Phone:408-957-8326, Email:bertrand.f.poulin@ca.abb.com

History: PAR APP: Jun 20, 1996

Designation: PC57.130

Sponsor: Power Engineering Society/Transformers

Title: 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

Status: New Standard Project

Technical Contact: Frank J Gryzkiewicz, Phone:617-926-4900x213, Email:frankg@doble.com

Designation: PC57.133

Sponsor: Power Engineering Society/Transformers

Title: Guide for Short Circuit Testing of Distribution and Power Transformers

Status: Revision Project

Technical Contact: Nigel P McQuin, Phone:412-824-2165, Email:n.p.mcquin@ieee.org

History: PAR APP: Sep 21, 1995

Designation: PC57.139

Sponsor: Power Engineering Society/Transformers

Title: Guide for Dissolved Gas Analysis in Transformer Load Tap Changers

Status: New Standard Project

Technical Contact: Richard K Ladroga, Phone:978-630-8865, Email:rkl@proteuseng.com

History: PAR APP: Dec 9, 1997

Designation: PC57.140

Sponsor: Power Engineering Society/Transformers

Title: □ Life Extension of Power Transformers

Status: New Standard Project

Technical Contact: Rowland I James, Phone:504-576-6246, Email:rjames@entergy.com

History: PAR APP: Sep 16, 1999

Designation: PC57.141

Sponsor: Power Engineering Society/Transformers

Title: Guide for the Application of Load Tap Changers

Status: New Standard Project

Technical Contact: William R Henning, Phone:262-547-0121, Email:whenning@ieee.org

History: PAR APP: Jun 26, 1999

Designation: PC57.142

Sponsor: Power Engineering Society/Transformers

Title: A Guide To Describe The Occurrence And Mitigation Of Switching Transients Induced By Transformer-Breaker Interaction

Status: New Standard Project

Technical Contact: Robert C Degeneff, Phone:518-276-6367, Email:degenr@rpi.edu **History:** PAR APP: Dec 7, 2000

Designation: PC57.143

Sponsor: Power Engineering Society/Transformers

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

Status: New Standard Project

Technical Contact: Andre Lux, Phone:919-856-3888, Email:andre.e.lux@us.abb.com **History:** PAR APP: Mar 21, 2002

Designation: PC57.144

Sponsor: Power Engineering Society/Transformers

Title: Guide to Metric Conversion of Transformer Standards

Status: New Standard Project

Technical Contact: Dudley L Galloway, Phone:573-635-7587, Email:gallowaytt@aol.com

History: PAR APP: Mar 21, 2002

Designation: PC57.119

Sponsor: Power Engineering Society/Transformers

Title: Recommended Practice for Performing Temperature Rise Tests on Oil Immersed Power Transformers at Loads Beyond Nameplate Rating

Status: New Standard Project

Technical Contact: Subhash C Tuli, Phone:262-547-0121x1428,
Email:subhash.tuli@waukeshaelectric.spx.com

History: PAR APP: May 16, 2000