

EMC - Standard Coordinator Report August 15, 2013

I reviewed the status of PARs, Standards and Guides under EMC responsibility. The status of the PARs is summarized below. We have **25** active standards and guides (one more than the year before), **17** lapsed standards and guides (one more than the year before) and **11** on-going PARs (the same number as the year before). The actions to be taken for keeping up-to-date the approval of the PARs and for keeping live the Standards and Guides are identified. A summary of the specific approvals received since the July 2012 meeting of the EMC in San Diego are identified as well.

Information concerning the Standards Association (SA), Board of Governors, Committees of SA, the Development of standards, Recommended Practices and Guides and related issues is available on the following web site.

<http://standards.ieee.org/>

Some of the other web sites for obtaining useful information are as follows.

Information on	Web site address
Update your information with SA	http://standards.ieee.org/resources/development/
myBallot Voter presentation	http://standards.ieee.org/db/balloting/myballotdemo.ppt
myBallot Chair presentation	http://standards.ieee.org/db/balloting/myballotchairdemo.ppt
PAR application, extension and other forms	http://www.standards.ieee.org/guides/par/
Submitting a PAR	https://development.standards.ieee.org/kamwa/select-par-type

PAR Extension	http://standards.ieee.org/guides/par/extension.rtf
Style manual	http://www.standards.ieee.org/guides/style/2000Style.pdf
Template	http://www.standards.ieee.org/resources/spasystem/index.html
Up-load drafts for balloting	http://standards.ieee.org/eprocess/upload_balloting_file/
Request for invitation to ballot	http://standards.ieee.org/resources/development/ Follow: Balloting the Draft → Ballot Invitation → Requesting a Ballot Invitation
Submit request for initiating balloting	http://standards.ieee.org/resources/development/ Follow: Balloting the Draft → Sponsor Ballot → Requesting Initiation of a Ballot
Submit request for recirculation ballot	http://standards.ieee.org/resources/development/ Follow: Balloting the Draft → Sponsor Ballot → Requesting Initiation of a Ballot → Recirculation ballot
Status of standards etc	http://standards.ieee.org/db/status/index.shtml
NesCom activities	http://www.standards.ieee.org/board/nes/
RevCom activities	http://standards.ieee.org/board/rev/
SA Operations Manual	http://standards.ieee.org/sa/sa-om-toc.htm
SA Bylaws	http://standards.ieee.org/guides/bylaws/index.htm
SB Operations Manual	http://standards.ieee.org/guides/opman/index.html
SB Bylaws	http://standards.ieee.org/guides/bylaws/index.html

Some important Information

The IEEE-SA Standards Board approved on 14-Jun-2013 the Sponsor Policies & Procedures submitted on 5-March-2013 for PE/EM Electric Machinery. These P&Ps are valid until 31-Dec-2018. The P&Ps have been labeled "Accepted" in myProject and are now posted at http://standards.ieee.org/about/sasb/audcom/pnp/PE_EM.pdf. Each standard development working group should abide by these P&Ps. A Working group can be selected at random at any time for audit by the SA AudCom.

The IEEE Standards Association (IEEE-SA) Standards Board has launched a new online Project Authorization Request (PAR) Form. The upgraded online PAR Form (<http://standards.ieee.org/guides/par/>) leads you step-by-step through the PAR process.

Standards Coordination Effort

PARs applied for by all Committees of the Power Engineering Society (PES) are circulated among the Standards Coordinators of the PES Committees. Every PAR approved by the Standards Board is posted on the SA Web site at the following address.

<http://standards.ieee.org/board/nes/approved.html>

If you are interested in the development work planned in a PAR, contact the Chair of the Working Group that is developing the document and sign up for participating in the activity of that Working Group.

Standards Activities Since The July 2012 EMC Meeting

The status of the standards activities, which have taken place since the July, 2012, meeting of the EMC, are as follows.

➤ **Standards Published**

None

➤ **Standards reaffirmed**

None

➤ **Standards withdrawn**

None

➤ **Standards approved**

None

➤ **Standards submitted for Balloting/ Recirculation by July 2012**

None

➤ **Standards due for 10 year review in 2013 (this year)**

None

➤ **New PARs applied for**

P1129 IEEE Guide for Online Monitoring of Large Synchronous Generators(10 MVA and above)

P56 IEEE Guide for Insulation Maintenance of Electric Machines

➤ **New PARs approved/modified**

P1129 IEEE Guide for Online Monitoring of Large Synchronous Generators(10 MVA and above)

P56 IEEE Guide for Insulation Maintenance of Electric Machines

➤ **PAR Extensions applied for**

None

➤ **PAR Extensions approved**

None

➤ **PARs Withdrawn**

None

➤ **PARs expiring at the end of 2013 (this year)**

P43	Recommended Practice for Testing Insulation Resistance of Rotating Machinery
P117	Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery
P1812	Guide for Testing Permanent Magnet Machines
P1798	Recommended Practice for Thermal Evaluation of Unsealed or Sealed Insulation Systems for AC Electric Machinery Employing Form-Wound Pre-insulated Stator Coils for Machines Rated 15000 V and Below

➤ **PARs expiring at the end of 2014 (next year)**

P112	Revision to an existing IEEE Standard 112-2004
P1434	Revision to an existing IEEE Standard 1434-2000

SUBMITTAL DEADLINES & STANDARDS BOARD MEETING SCHEDULE

<http://standards.ieee.org/board/index.html>

PAR/Standard Submittal Deadline

24 January 2013
03 May 2013
12 July 2013
21 October, 2013
14 February 2014
02 May 2014
11 July 2014
20 October 2014

Standards Board Meeting

4 March 2013
12 June 2013
21 August 2013
9 December 2013
25 March 2014
10 June 2014
19 August 2014
8 December 2014

Note: to be designated as WG chair, send a request to the EMC Standards Coordinator with copy to the staff Liaison and the chair of the subcommittee.

IEEE STANDARDS ASSOCIATION

Name	Designator	Contact	Staff Liaison	Roster	Actions
Electric Machinery	PE/EM	Innocent Kamwa	Malia Zaman	212	manage
EMC WG LISTING: 32 working groups; 8 under Generators, 16 under Materials and 7 under Motors.					
Generator Subcommittee					
	PE/EM/GEN-SC	John Ready	Malia Zaman	24	manage
Generator SC - Test Procedure for Synchronous Machines - WG#7	PE/EM/GEN - WG115	Haran Karmaker	Malia Zaman	22	manage
Generator SC - Generator Rewinds - WG#3	PE/EM/GEN - WG1665	William Bartley	Malia Zaman	22	manage
Generator SC - Grid Induced Torsional Vibrations in Large Turbine Generators - WG#4	PE/EM/GEN - WG4	Innocent Kamwa	Malia Zaman	6	manage
Generator SC - Operation and Maintenance of Hydro-Generators - WG#5	PE/EM/GEN - WG492	Innocent Kamwa	Malia Zaman	11	manage
Generator SC - Application of Superconductor Machines - WG#6	PE/EM/GEN - WG6	Innocent Kamwa	Malia Zaman	4	manage
Generator SC - Operation and Maintenance of Turbine Generators	PE/EM/GEN - WG67	Innocent Kamwa	Malia Zaman	15	manage
Generator SC - Coordination of C50s and IEC - WG#8	PE/EM/GEN - WG8	Kay Chen	Malia Zaman	10	manage
Generator SC - Renewable Energy Machines and Systems - WG#9	PE/EM/GEN - WG9	Innocent Kamwa	Malia Zaman	9	manage
Materials Subcommittee					
Materials SC - Standard Test Procedure for Evaluation of Systems of Insulating Materials for Random-Wound AC Rotating Electrical Machinery	PE/EM/Matl - WG117	Nancy Frost	Malia Zaman	10	manage
Materials SC - Thermal Cycle Testing of Form-Wound Stator Bars and Coils for Large	PE/EM/Matl -	Gregory Stone	Malia	12	manage

Generators	WG1310		Zaman		
Materials SC - Measurement of Partial Discharges in AC Electric Machinery	PE/EM/Matl - WG1434	William McDermid	Malia Zaman	13	manage
Materials SC - Voltage Endurance Testing of Form-Wound Coils and Bars for Hydrogenerators	PE/EM/Matl - WG1553	Innocent Kamwa	Malia Zaman	9	manage
Materials SC - Stator Core Evaluation of Synchronous Machines	PE/EM/Matl - WG1719	Glenn Mottershead	Malia Zaman	12	manage
Materials SC - Thermal Evaluation of Insulation Systems	PE/EM/Matl - WG1776	Chuck Wilson	Malia Zaman	21	manage
Materials SC - Qualification and Type Tests for Partial Discharge (PD)-Free Electrical Insulation Systems Used in Rotating Electrical Machines Fed from Voltage Converters	PE/EM/Matl - WG1798	Meredith Stranges	Malia Zaman	9	manage
Materials SC - Quality Control Testing of External Discharges on Form-Wound Coils, Roëbel Bars, Vacuum Pressure Impregnated Stator Insulation and Fully Assembled Stator Windings.	PE/EM/Matl - WG1799	Remi Tremblay	Malia Zaman	8	manage
Materials SC - Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation	PE/EM/Matl - WG286	Gary Heuston	Malia Zaman	11	manage
Materials SC - Testing Insulation Resistance of Rotating Machinery	PE/EM/Matl - WG43	Ian Culbert	Malia Zaman	14	manage
Materials SC - Insulation Testing of AC Electric Machinery with High Voltage at Very Low Frequency	PE/EM/Matl - WG433	Howard Sedding	Malia Zaman	17	manage
Materials SC - Functional Evaluation of Insulation Systems for AC Electric Machines	PE/EM/Matl - WG434	Stefano Bomben	Malia Zaman	21	manage
Materials SC - Turn Insulation of Form-Wound Stator Coils	PE/EM/Matl - WG522	Chuck Wilson	Malia Zaman	19	manage
Materials SC - Insulation Maintenance of Electric Machines	PE/EM/Matl - WG56	DOUGLAS CONLEY	Malia Zaman	18	manage
Materials SC - Diagnostic Field Testing of Electric Power Apparatus - Electrical Machinery	PE/EM/Matl - WG62.2	Innocent Kamwa	Malia Zaman	9	manage
Materials SC - Insulation Testing of AC Electric Machinery with High Direct Voltage	PE/EM/Matl - WG95	David Mckinnon	Malia Zaman	19	manage
Motor Subcommittee	PE/EM/Motor - SC	Innocent Kamwa	Malia Zaman	7	manage
Motor SC - Rotating Electric Machinery for Rail and Road Vehicles	PE/EM/Motor -	Innocent Kamwa	Malia Zaman	3	manage

Motor SC - Test Procedure for Polyphase Induction Motors and Generators	WG11	Zaman		
	PE/EM/Motor - WG112	Nick Stranges	Malia Zaman	9 manage
Motor SC - Evaluation of Torque Pulsations During Starting of Synchronous Motors	PE/EM/Motor - WG1255	Nick Stranges	Malia Zaman	7 manage
Motor SC - Induction Machinery Maintenance Testing and Failure Analysis	PE/EM/Motor - WG1415	John Ready	Malia Zaman	16 manage
Motor SC - Testing Permanent Magnet Machines	PE/EM/Motor - WG1812	Haran Karmaker	Malia Zaman	5 manage
Motor SC - Test Procedure for Polyphase Induction Motors	PE/EM/Motor - WG252	Innocent Kamwa	Malia Zaman	16 manage
Motor SC - Presentation of Thermal Limit Curves for Squirrel Cage	PE/EM/Motor - WG620	Innocent Kamwa	Malia Zaman	54 manage
Working Group 10 for Online Monitoring of Large Synchronous Generators	PE/EM/WG10/1129	Isidoro Kerszenbaum	Malia Zaman	3 manage

EMC PARs LISTING :11 PARs; 2 under Generators, 6 under Materials and 2 under Motors

Sponsor ▲	PAR Number	Title	URL	PAR Approval
PE/EM	P43	Recommended Practice for Testing Insulation Resistance of Electric Machinery	https://development.standards.ieee.org/get-file/P43.pdf?t=63333600003	05-Feb-2010
PE/EM	P56	Guide for Insulation Maintenance of Electric Machines	https://development.standards.ieee.org/get-file/P56.pdf?t=76673300003	30-Aug-2012
PE/EM	P112	Standard Test Procedure for Polyphase Induction Motors and Generators	https://development.standards.ieee.org/get-file/P112.pdf?t=63340900003	05-Feb-2010

PE/EM	P117	Standard Test Procedure for Thermal Evaluation of Systems of Insulating Materials for Random-Wound AC Electric Machinery	https://development.standards.ieee.org/get-file/P117.pdf?t=77394900003	05-Dec-2012
PE/EM	P1129	Guide for Online Monitoring of Large Synchronous Generators (10 MVA and above)	https://development.standards.ieee.org/get-file/P1129.pdf?t=77174300003	02-Nov-2012
PE/EM	P1415	Guide for Induction Machinery Maintenance Testing and Failure Analysis	https://development.standards.ieee.org/get-file/P1415.pdf?t=70288700003	16-Jun-2011
PE/EM	P1434	Guide for the Measurement of Partial Discharges in AC Electric Machinery	https://development.standards.ieee.org/get-file/P1434.pdf?t=8491000003	08-Dec-2010
PE/EM	P1719	Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher	https://development.standards.ieee.org/get-file/P1719.pdf?t=76673600003	30-Aug-2012
PE/EM	P1798	Guide for Qualification and Type Tests for Partial Discharge (PD)-Free Electrical Insulation Systems Used in Rotating Electrical Machines Fed from Voltage Converters	https://development.standards.ieee.org/get-file/P1798.pdf?t=65588400003	30-Jan-2009
PE/EM	P1812	Guide for Testing Permanent Magnet Machines	https://development.standards.ieee.org/get-file/P1812.pdf?t=22542400003	09-Dec-2009
PE/EM	PC50.13	Standard for Cylindrical-Rotor 50 Hz and 60 Hz Synchronous Generators Rated 10 MVA and Above	https://development.standards.ieee.org/get-file/PC50.13.pdf?t=70289100003	16-Jun-2011