

Generator Subcommittee

**Minutes of Meeting
Monday June 25, 2007 4-6 PM
Location - Tampa, Florida**

1. Welcome and Introduction

The meeting was called to order at 4:00 PM by outgoing Chairman Oleg Wasynczuk. Meeting attendees briefly introduced themselves. (See list of meeting attendees at bottom.)

Copies of the proposed 2007 agenda were distributed. The agenda was approved by the subcommittee with no changes.

2. Approval of 2006 Minutes

Haran Karmaker moved that the 2006 meeting minutes be approved. This was seconded by Mike Brimsek, and the subcommittee approved the minutes by unanimous vote.

3. Officer's Reports

Oleg gave introductory remarks and a brief report.

4. Selection of GSC Officers Going Forward

Consistent with the practice of advancing the subcommittee officers every two years, Bill Bartley was recognized as the incoming Chairman, and John Ready as Vice Chairman. Volunteers for Secretary were requested. Mike Sedlak volunteered and was accepted as new Secretary.

The remainder of the meeting was chaired by Bill Bartley. The subcommittee expressed its gratitude to Oleg for his work as Chairman.

5. Working Group Reports

WG1 Awards

Rik Nilsson gave his report on Working Group 1 (full report is posted on the GSC website). Rick reported that the following awards will be presented at the EMC meeting:

Prize Paper: "Condition Monitoring and Fault Diagnosis of Electric Motors – A Review"

Service Award: Isidor Kerszenbaum for distinguished service as the Chairman of the Electric Machinery Committee of the IEEE PES

Prize Standard Working Group: IEEE Std. C50.13-2005, IEEE Standard for Cylindrical-Rotor 50 Hz and 60 Hz Synchronous Machines Rated 10 MVA and

Above

Rick asked that subcommittee members contact him for nominations for 2007 awards.

WG2 Advisory Group to IEC

WG2 Chairman John Amos was not at the meeting. A WG2 report was not submitted.

WG3 Generator Rewind Guide

Bill Bartley gave a report on WG3 for generator rewinds (full report is posted on the GSC website), and noted that the WG would be meeting the next day (June 26).

WG5 Revision of IEEE 492

Bill Bartley asked for volunteers to chair this WG. Arezki Merkuouf said that he is willing to participate in this WG, but could not take the chair position.

WG6 Application Guide for Superconducting Machines

WG Chairman Swarn Kalsi gave a report on the activities of WG6. The WG met earlier that day and decided that it is too early in the development of this emerging technology to issue an application guide, and that at this time it is more appropriate to develop a state-of-the-art paper. Swarn will notify the participants who indicated interest (during the WG6 meeting) via email.

WG7 Revision of IEEE 115

Haran Karmaker (Chairman) gave a report on WG7 (full report is posted on the GSC website). Haran noted that the WG met all day on Sunday, 6/24/07, and essentially finished the first draft of the revised standard. The final draft is expected to be completed in September 2007, with submission by the end of the year. The PAR is valid through 2009. The WG conducts a teleconference every quarter.

6. Liaison Reports

Materials Subcommittee. A Materials Subcommittee member was not present.

The liaison to the Excitation Subcommittee - Murray Coultes, was present at the meeting and gave a brief report. Murray advised that the subcommittee is now called the Excitation Systems and Controls subcommittee. Activities at the 2007 PES General Meeting included a tutorial on Power System Stabilizers.

Rik Nilsson reported on the PSRC activities (full report is posted on the GSC website). Of special interest to the GSC – the revision to C37.102 (AC Generator Protection Guide) is complete, a new working group chaired by Chuck Mozina has been started to develop a technical paper on generator relay settings, and the committee is planning to revise their generator protection tutorial, which is expected to include more maintenance and operations material. As such, some GSC members may be contacted by that WG for information.

It was noted that currently there is no identified liaison with the Hydro Power subcommittee. Arezki Merkuouf volunteered and was accepted for this position.

Motors Subcommittee (MSC) – The Chairman of this subcommittee was not present due to a schedule conflict. MSC member and secretary Nick Stranges reported that three paper sessions are being given this year, as well as one on session on Super Conducting Motors and Generators sponsored by the MSC, after three years of inactivity.

7. Standards Review and Status.

The EMC Standards Coordinator - Innocent Kamwa, reported. One standard coming up for reaffirmation is IEEE 1110 – Modeling of Generators for Stability Studies.

Lon Montgomery asked if anyone had any knowledge of a new PAR P1719. No definitive information was offered in response, although it was surmised that this may be sponsored by the Materials Subcommittee.

8. Old Business

Liaisons to other PES Committees. These are now filled with the addition of Arezki Merkuouf as liaison to the Hydro Power Subcommittee and continuation of Murray Coultres as the liaison to the Excitation Systems and Controls Subcommittee.

John Ready read the information pertaining to PES conferences coming up in the next two years, compiled by Bill Bartley.

The subcommittee was reminded to be mindful of recruiting new members.

The Chairman asked if there was any other old business. No other old business was identified.

8. New Business

New WGs: Bill Bartley mentioned new WG4 being formed to address Grid Induced Torsional Vibrations, adding that the first meeting was to occur on Wednesday 6/27/07. The WG chair is Tom Wait (not present at this meeting).

Bill also asked for suggestions for other new working groups. Lon Montgomery expressed interest on behalf of John Amos and John Yagielski (not present) to continue the IEC/IEEE Harmonization (of C50.12 and 13 with IEC 60034 standards) WG. Many of the present members agreed but also recommended that more effort needs to be made to bring the IEC into the effort, rather than the IEEE standards simply being made to harmonize with the IEC. It was agreed that a Task Force led by John Amos and John Yagielski will lead the harmonization efforts. Izzy Kerszenbaum and Geoff Klempner volunteered to participate. This will be Working Group 8, and no chairman has been named yet.

Izzy Kerszenbaum also reported that Mohamed A. El-Sharkawi wants to form a new WG

for "Electric Machines for Emerging Technologies". Professor El-Sharkawi could not be at our Gen SubComm meeting because of scheduling conflicts. This will be WG#9.

9. Adjournment

The meeting was adjourned at approximately 6:00 PM.

List of attendees: (also see Attachment)

1. John Ready
2. Dave Sharma
3. Kiruba Sivasubramaniam
4. Haran Karmaker
5. Manoj Shah
6. Lon Montgomery
7. Nick Stranges
8. Kay Chen
9. Geoff Klempner
10. Izzy Kerszenbaum
11. Mike Sedlak
12. Greg Snitchler
13. Om Malik
14. Bill McCown
15. Gunar Klaus
16. Paul Nippes
17. David McKinnon
18. Vaino Aare
19. N.E. Nilsson
20. Jim Michalec
21. Reinhard Joho
22. Swarn Kalsi
23. Gary Lanier
24. Arezki Merkuouf
25. Murray Coultres
26. Mike Brimsek
27. Joe Hurley
28. Michel Rioual
29. Oleg Wasynczuk
30. Bill Bartley

Generator Subcommittee Meeting
ATTENDEES

6-25-07

<u>NAME</u>	<u>CO.</u>	<u>E MAIL</u>
JOHN READY	BECHTEL	JREADY@BECHTEL.COM
DAVE SHARMA	FERC	edksharma@ieee.org
Kimba Sivasubramaniam	GE	sivasubr@crd.ge.com
HARAN KARMAKER	TECO	karmakar@connectinghose.com
MANOJ SHAH	GE	shahm2@research.ge.com
Lon Montgomery	Siemens	lon.montgomery@siemens.com
Nick Stanges	GE	nick.stanges@ge.com
KAY CHEN	ATCO	kay.chen@atcopower.com
Geoff Klempner	NSS	geoff.klempner@amec.com
ISIDOR KERSZENBAUM	SCE	ISIDOR.KERSZENBAUM@SCE.COM
MIKE SEDLAK	EME	msedlak@mugen.com
Greg Switchler	AMSC	gswitchler@amscl.com
Om Malik	Univ. of Calgary	maliko@ucalgary.ca
William (Bill) McCown	SIEMENS AG	william.mccown@siemens.com
Gunter Klaus	Siemens	gunter.klaus@siemens.com
PAUL NIJDES	MPS	p.n.l.p@gaussbust-ees.com
DAVID L. McKinnon	PIMA CORP.	DMCKINNON@PIMA.COM
Vaivo Aare	Consultant	Vaivo@ieee.org
N.E. NILSSON	CONSULTANT	nilsson@cboss.com
Jim Michalec	AEP	jmichalec@aep.com
Reinhard Joho	Alstom	reinhard.joho@power.alstom.com
SWARO KALSI	KALSI OPS	SKALSI@TOWNSHIP.COM
GARY LAWLER	LAWLER CONSULTING	GLAWLER@LAWLERCONSULT.COM
ARUJAI MERANOJ	GE	arujai.meranoj@ge.com
MURRAY COULTER	GUIDANCE POWER	mcc@hst@guidancepower.com
MICHAEL BRIMSEK	MINNESOTA POWER	mbrimsek@mpower.com
JOE HURLEY	SIEMENS POWER GEN.	joey.hurley@siemens.com
Nichol Rival	EDF France	michel.rival@edf.fr
Oleg Wasynczuk		wasynczu@compuserve.net

