

May 24, 2007

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Dear Oleg:

**LIAISON REPORT FROM THE IEEE POWER SYSTEM RELAY
COMMITTEE TO THE ELECTRIC MACHINERY COMMITTEE**

The IEEE Power System Relay Committee (PSRC) convened three meetings in 2006 at locations away from the IEEE Annual Meeting. These meetings included Albany, NY (May 15-18, 2006) and Atlanta, GA (September 18-21, 2006). In accordance with my assignment as the liaison with the PSRC, I have prepared a report for presentation at the Electric Machinery Committee Meeting at the 2007 Annual Power Meeting in Tampa, Florida. A copy is attached.

Upcoming meetings of the PSRC are as follows:

<i><u>Date</u></i>	<i><u>Location</u></i>
May 14-18, 2007	Nashville, TN
September 17-20, 2007	Charlotte, NC
January 7-10, 2008	San Antonio, TX
May 12-14, 2008	Kansas City, MO

Should you have any questions, do not hesitate to call me at (330) 482-9781 or e-mail me at nilsson@cboss.com

cc: IKerszenbaum, EMC Chairman
CMozina (PSRC)

N. E. Nilsson
Liaison-Power System Relay Committee

2006 LIAISON REPORT FROM
THE POWER SYSTEM RELAYING COMMITTEE TO
THE ELECTRIC MACHINERY COMMITTEE

The IEEE Power System Relay Committee (PSRC) convened meetings in January, May and September of 2006. The following items of interest to the Electric Machinery Committee (EMC) were noted and will update the EMC members on the activities of the PSRC.

- The Power System Relaying Committee (PSRC) is chaired by C. Henville beginning this year. Subcommittee J, the Rotating Machinery Protection Subcommittee (RMPS) is chaired by W. G. Hartmann and vice-chaired by K. A. Stephan.
- J. Gardell is chairing Working Group J1 of the RMPS which is preparing a report to the main committee on protection issues related to motors connected to variable frequency drives. The January 2007 meeting was the twelfth meeting of this working group (WG). The major comments on draft 4 of the document were from drive suppliers. These included ASD applications with bypass contactors, applications without an isolation transformer, synchronous transfer with multiple motors and protection with current limiting fuses.
- Mike Reichard is chairing WG J2 of the RMPS on protection considerations for combustion gas turbine static starting. Categories will include high resistance grounding with resistors and neutral grounding transformers as well as ungrounded machines. Protection during starting and during normal operation will be considered.
- M. Yalla is chairing Working Group J4 of the RMPS which has revised C37.102, AC Generator Protection Guide. This document is awaiting publication.
- C. Mozina is chairing Working Group J5 of the RMPS which is preparing a paper on generator protection setting criteria. The completed paper will be presented at the Tampa meeting in June of 2007.
- D. Zinn is chairing the Generator Tutorial Revision WG J8. The original tutorial was published in 1995. There is enough new material that the tutorial will be revised before presentation. One thing that this WG decided to include is maintenance and operation material from the Electric Machinery Committee of the PES.
- J. Gardell is chairing WG J9 of the RMPS which is writing a paper that would apply to generating stations and industrial plants. The following items will be included; modeling and simulation techniques, the 1.33 per unit volts per hertz criteria and limitations of traditional synch-check relays.

Respectfully submitted:

N. E. Nilsson
Liaison from the Power System Relay Committee
May 24, 2007