

THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS,  
INC.



INDUSTRY APPLICATION SOCIETY  
Industrial and Commercial Power Systems Department  
TBCC – P3006 Reliability Working Group and  
PSEC – Reliability Subcommittee

CHAIR	VICE CHAIR	SECRETARY
<b>Robert Arno</b> Principal Excelis Advanced Information Systems 474 Phoenix Drive Rome, NY 13441 315-838-7011  Email: <a href="mailto:robert.arno@exelisinc.com">robert.arno@exelisinc.com</a>	<b>Neal Dowling</b> Senior Engineer MTechnology 2 Central St. Framingham, MA 01701-4163 508-788-6260  Email: <a href="mailto:dowling@mtechnology.net">dowling@mtechnology.net</a>	<b>Neal Dowling</b> Senior Engineer MTechnology 2 Central St. Framingham, MA 01701-4163 508-788-6260  Email: <a href="mailto:dowling@mtechnology.net">dowling@mtechnology.net</a>

- 1) The P3006 Reliability Subcommittee met on Wednesday, May 21, 2014, at 10:30 AM at the Renaissance Worthington Hotel in Fort Worth, TX. The meeting was chaired by Bob Arno.
- 2) Bob Arno announced that Bill Braun is retiring and will not return as chair of P3006. Bob will assume that role and Neal Dowling will become the Vice Chair. Bob will inform Massimo Mitolo of the changes.
- 3) Bob announced that the P3006.5 ballot closes on Friday, May 31, 2014. 75% response has not been received yet. He requested that you should please vote if you have not already.
- 4) Two DOT standards have been PAR'd.
  - a. 3006.2 will be led by Tim Coyle. Bob will send the reformatted chapter to Tim.
  - b. 3006.3 will be led by Bob Schuerger. This will cover Reliability Based Maintenance and Reliability Centered Maintenance, and it will be harmonized with 3007.2
- 5) Two papers are planned.
  - a. There will be a paper by Bob Schuerger on Reliability Centered Maintenance at IAS 2014 in October.
  - b. Bob Arno plans to submit a paper on maintenance optimization for I&CPS 2015 next May.
- 6) Masoud Pourali will be giving a tutorial on 3006.5 at IAS in October. This standard explains the mathematics of reliability. It includes the concept of common cause failure.
- 7) Bob Arno expects that the work on 3006.3 should also produce some papers.
- 8) Bob explained that we plan to use Mentor for project management going forward. Bob will put the reformatted copy of 3006.2 up there.
- 9) Neal Dowling suggested that we should reach out to PCIC to offer to do a tutorial on the Gold Book and its successor DOT standards. Bob Arno asked how to find out who to talk to at PCIC. Jim Harvey suggested going to the Departmental Meeting and asking who the right contact is.

- 10) Bob Arno has a draft of 3006.8 and is working on getting government permission to release the data it contains. He plans to send the draft around to to the committee for review.
- 11) Bob announced that the Gold Book Annexes from the 2007 Gold Book have been published by IEEE as an archival standard.
- 12) Neal Dowling encouraged everyone to use the IEEE Member Digital Library and the free e-books that have been made available there.
- 13) Jim Harvey asked about preventive maintenance on double-ended substations. It is necessary to shut down both busses to do maintenance on the tie breaker. What is there on a tie breaker that needs maintenance, and how can the work be arranged to produce the least disruption to operations? Tim Coyle suggested considering single ending the substation and thermal imaging the tie breaker under load. He also said that in new designs consider using a tie-tie arrangement.
- 14) The meeting adjourned at 11 AM.